

**PLEASE NOTE:** This document is over 100 pages long. Please consider the environment before printing this document. Please do not let 100 pages put you off ... there is a contents page to help you select and easily navigate towards areas of most interest.

| BUILDING | CONSTRUCTION | DEVELOPMENT | SUPPORTED ONLINE LEARNING | EDUCATION | FINANCE | LAW  
| MANAGEMENT | PLANNING | PROPERTY | RESIDENTIAL | RURAL | SUSTAINABILITY | VALUATION |



*Delivering excellence and  
continued support with  
integrity and passion!*

e-bulletin

**June 2017**

**Welcome to UCEM's monthly e-bulletin for professionals working and aspiring to work in the Property & Construction industries.**

UCEM aims to disseminate information, promote current awareness and share good practice, to assist in the continual professional development of all those working and aspiring to work within the Property & Construction industries.

We welcome news and information from readers to include in future editions - please [email us](#)

## Contents



### Latest UCEM news

[University College of Estate Management \(UCEM\) and Chartered Surveyors Training Trust \(CSTT\) are set to deliver a single, unified set of Apprenticeship Services](#) – 11 May 2017

[UCEM Shortlisted for Sustainable Project of the Year](#) – 2 May 2017

[Growing from strength to strength – UCEM joins the Register of Apprenticeship Training Providers](#) – 2 May 2017

[UCEM's first QAA Higher Education Review a Success!](#)

[University College of Estate Management features in 'Masterminds of Construction' in association with ITN productions and the CIOB](#)



## Other news

**Things you need to know this week:** Conservatives set out housing pledges - The biggest *Placemaking Resource* (incorporating *Regeneration + Renewal*) hitting the news are shared. This week sees The Conservative Party manifesto continuing the themes of the housing white paper with its commitment to fixing the broken housing market.

[Building homes, creating communities: Ensuring councils provide innovative solutions to meeting housing need](#) – Latest research from the Association for Public Service Excellence (APSE), and the Town and Country Planning Association (TCPA)

**Analysis:** [Coworking comes of age](#)

**Case Study:** [Building neighbourhood through a maker movement](#)

**‘News from the nationals’** – [gain access to Estates Gazette’s daily round-up of the top property stories with quick links provided](#)

Building Research Establishment (BRE) – [The six personas of offsite construction](#)

[Top 10 tips for Higher Education to engage better with industry](#) – Constructing Excellence (delivered with BRE)

[Mind matters: Protect the wellbeing of your workforce by raising awareness of mental health](#)

CBRE: [Global investor intentions survey 2017](#) – Positive investor outlook expected to drive global capital flows in 2017

[Increase in housebuilding and civil engineering in April helps construction record its sharpest output rise of 2017](#)

[Housebuilding is up – but what type of homes are being built?](#)

[Why aren’t there enough homes to go around?](#)

[Remove landowners’ right to sit on land indefinitely, says think tank](#)

[Shaping the Future of Construction: Insights to redesign industry](#) – World Economic Forum White Paper

[Construction industry beats post-Brexit expectations but growth reliant on infrastructure delivery, say Construction Products Association \(CPA\)](#)

[House prices on the rise despite Brexit fears](#)

[Homegrown talent vital to post-Brexit Britain’s construction sector, says National Federation of Builders \(NFB\)](#)

[Digital Learning Compass: Distance Education Enrolment Report 2017](#)

[Home Builders Federation \(HBF\) Reports and Housing Calculator](#)

### The Joseph Rowntree Foundation

- [Access to the Joseph Rowntree Foundation’s latest research reports and comments relating to policy and practice](#)
- [New research centre to inform UK housing policy](#) - Joseph Rowntree Foundation (JRF), the Economics and Social Research Council and the Arts and Humanities Research Council announce the launch of the new UK Collaborative Centre for Housing Evidence (CaCHE), and
- Related Link - [Housing policy needs to be based on evidence, not politicians’ whims](#)

**UK Property Research** – Latest research from Savills UK incl.

- Residential research - [Market in minutes: UK Residential Development Land \(May 2017\)](#)
- Commercial research - [UK Shopping Centre and High Street spotlight \(Q1 2017\)](#)
- [Key Themes in UK Real Estate 2016/17](#)

**Access to the House of Commons Library**, Research briefings that impact on our industries incl.

- [The Construction Industry: statistics and policy](#), and
- [Latest research briefing papers from the House of Commons Library](#)

**CIOB (Chartered Institute of Building) portal on government policy**

- [CIOB Policy latest](#)
- CIOB Manifesto – [Building the Case for Construction](#)
- CIOB response: [BEIS Green Paper on Building our Industrial Strategy](#)
- Press release: [CIOB and Stronger Together launch toolkit to help construction industry tackle modern slavery](#)

**Latest information on Apprenticeships** incl.

- [Launch of Apprenticeship Levy and focus on training will ‘safeguard’ construction, says developer Crest Nicholson](#)
- [Apprenticeship levy: making the most of it](#)
- [Need to know: Apprenticeship levy FAQ](#)
- [UCEM Trailblazer Apprenticeship programme for the surveying sector](#)
- [UCEM Accreditation and recognition](#)

**Access the ‘Designing Buildings Wiki’** – the construction industry knowledge base incl. Featured articles, and news.

- [Further information on ‘Designing Buildings Wiki’](#)
- [Housing crisis: more than 200,000 homes in England lie empty](#)
- [State of the nation: Digital transformation](#)

**The Construction Information Service - CIS Briefing April – May 2017 Edition –**

- [April - May’s CIS Briefing \(04/2017 Edition\)](#) – As this briefing explains, more and more, the UK construction industry is turning away from the traditional design-build and design-build-bid models and applying integrated project delivery (IPD) and lean construction methodologies to their projects,

as well as the latest current awareness, industry news, publications news and recent documents added to The Construction Information Service for the past month.

**The Smith Institute** - a leading independent ‘think tank’ which promotes progressive policies for a fairer society.

- [Information on The Smith Institute \(SI\)](#).

Gain access to the latest SI research reports incl.

- [Halfway house: the opportunities and limits of devo-housing in England](#),
- [#notjustforboys / women in construction](#),
- [Towards a suburban renaissance: an agenda for our city suburbs](#), and
- [Britain for sale? Perspectives on the costs and benefits of foreign ownership](#).

**The National Trust (NT)**

- [National Trust - Big Issues](#) (incl. ‘Transport & Tourism’ and ‘Land-use & planning’) and their views
- [Why the National Trust care about planning](#)
- NT – [“Our Planning Principles”](#),
- NT – [“How we engage in planning: our role as a developer”](#),
- [Planning at a national level](#), and
- [Planning at a local level](#).

**Upcoming Revo Research:** Revo - Property. Community. (formerly the British Council of Shopping Centres)

**Foster + Partners Projects** - Further information available and access to the following:

- Image gallery,
- Sketches and drawings,
- Construction,
- Facts & Figures, and
- Project downloads.

#### [Access the latest information on Building Information Modelling \(BIM\)](#)

- What is Building Information Modelling?
- Gain access to **theNBS.com** website
- NBS TV – the online video resource servicing built environment professionals

[The National BIM \(Building Information Modelling\) Library](#) - Latest information freely available to access and download incl.

- The NBS BIM Toolkit,
- Free access to the 'NBS National Building Information Modelling (BIM) Report 2016', and 'NBS International BIM Report 2016' in full, and
- Blogging about BIM, Construction and NBS.

[Latest news on BIM](#) – BIM's legal stumbling blocks: what you need to know.

#### [Latest library resources incl. book titles, journal articles and research](#)

- Take a look at Taylor and Francis Online, FREE planning and urban design series e-books and blog
- Read a free collection of research in Higher Education – from Wiley Education
- Read the most talked about articles in Education!
- [RICS Library services and e-Resources](#), and
- [UCEM Library services and e-Resources](#) incl. Emerald Insight – access provided to the entire 'Property Management and the Built Environment' collection

...and finally

[Could this house be the answer to building on flood plains?](#)



## Property and Construction Statistics

Latest **RICS Economic Research / Market Surveys** incl.

- [UK Commercial Market Survey \(2017\)](#)
- [UK Residential Market Survey \(2017\)](#)

Barbour API's '[Economic and Construction Market Review](#)' – Report

Latest Statistics and updates from the **Office for National Statistics (ONS)** incl.

- [ONS Release calendar](#)
- [Construction Industry update](#)
- Construction Industry highlights incl. [Construction Output in Great Britain: Mar 2017 and Jan to Mar 2017](#)
- [Datasets related to the Construction Industry](#)
- [Output in the Construction Industry](#) (incl. *Construction Output Price Indices (OPIs): Interim Solution, Quarter 4 (Oct to Dec) 2015*), and Construction Statistics Development Programme – Work plan
- [Construction Statistics, No. 17, 2016 Edition \(Latest release\)](#) - Latest Construction Statistics release from ONS

Glenigan (provider of UK construction project sales leads, market analysis, forecasting, and company intelligence) - [Construction Market Analysis](#)

Health and Safety Executive (HSE) Statistics – [Construction industry](#)

GOV.UK (incl. House of Commons Library, Briefing Papers) – [Construction Statistics](#)



### e-Journal review

- RICS [Modus](#) Digital Magazine – May 2017: The Responsible issue
- Latest issue of [Contractors World](#) (Vol 6, No 2) incl. Cover Story – On the road to recovery in Yorkshire, and Steel or Timber – How will the housing market react?
- British Institute of Facilities Management (BIFM) Digital Magazine – [FM World](#) May 2017: the latest issue
- The Heritage Alliance's latest '[Heritage Update](#)' e-Bulletin (May 2017) – The e-Bulletin provides current awareness and industry news over a number of built environment-related fields incl. [Share the Heritage Manifesto 2017](#); [Heritage Alliance Housing White Paper response](#); [Guidance: Brownfield registers and permission in principles](#); [New website for the museum an heritage sector](#); [Heritage statistics: diversity and museum and galleries](#); [S.215 notice not correct way to require repainting of house](#); [Nominations open for The Victorian Society's Top 10 Endangered Buildings](#); and [New National Trust Arts and Crafts attractions](#).
- [Open Praxis](#) (published by the International Council for Open and Distance Education – ICDE) is a peer-reviewed open access scholarly journal focusing on research and innovation in open, distance and flexible education.
- Online Learning Consortium (OLC) [Online Learning Journal](#) – Latest issue published. NOTE: The MERLOT community has joined forces with the OLC (formerly Sloan-C) to expand scholarly research in the field of online education, with a merger of the Journal *Online Learning* (formerly JALN) and the *Journal of Online Learning and Teaching* (JOLT) that was previously reviewed within this e-Bulletin.

The [Open Education Research Hub](#) (OER Hub) research the impact of open educational resources (OER) in teaching and learning practices.

The [Directory of Open Access Journals](#) (DOAJ)

UCEM Students and Staff have full access to the Current and Archive copies of the following key academic journals:

- [Construction Management and Economics](#), Taylor and Francis online,
- [Building Research and Information](#), Taylor and Francis online, and
- [Journal of Property Research](#), Taylor and Francis online.
- [Corporate Real Estate](#), Henry Stewart Publications (available via IngentaConnect online)

[e-Journal review archive](#)



### e-Book review

**(Note:** Books are also reviewed within the e-Journals listed above)

- The Battle for Open: How openness won and why it doesn't feel like victory
- The new landscape of mobile learning: Redesigning education in an app-based world
- Handbook of Research on Innovative Pedagogies and Technologies for Online Learning in Higher Education
- Studying at a Distance

- Rethinking Pedagogy for a Digital Age, 2<sup>nd</sup> edition
- ADDING SOME TEC-VARIETY: 100+ Activities for Motivating and Retaining Learners Online

[The Directory of Open Access Books \(DOAB\)](#)

[Latest Published Books and Journal Titles](#)

---



## © Guidance

[The Copyright Licensing Agency Ltd \(CLA\)](#)

Copyright Licensing Agency - [Title search tool](#)

Further guidance on Copyright and Digital Copyright

[5 Ways to find images for your website](#)

[Know your copyrights from wrongs \(within Construction and Development Projects\)](#)

---



## Useful online resources

Incl. Open Educational Resources (OERs)

1. [Health and Safety Executive \(HSE\)](#) - Construction related information and health and safety guidance available
2. [REVO](#) – Retail. Property. Community (formerly the British Council of Shopping Centres (BCSC)). Access to further online resources incl. Research and Education
3. [The National BIM Library](#)
4. [Sustainability in Facilities Management \(FM\)](#) – A useful online tool and resource pool
5. [Royal Institution of Chartered Surveyors \(RICS\)](#) – is an independent body committed to setting and upholding the highest standards of excellence and integrity in land, property and construction.

**Explore RICS** is a 'keyword' section of the RICS website and provides direct links through to information relating to the following topic areas/keywords incl. ▪ Environment, ▪ Geomatics, ▪ Minerals & waste, ▪ Planning & development, ▪ Rural, ▪ Arts & antiques, ▪ Commercial property, ▪ Dispute resolution, ▪ Facilities management, ▪ Machinery & assets, ▪ Management consultancy, ▪ Residential property, ▪ Valuation, ▪ Building control, ▪ Quantity surveying & construction, ▪ Project management, ▪ Building surveying, ▪ BIM, ▪ Infrastructure, ▪ Measurements, and ▪ Party walls.

**RICS Library Online catalogue & Glossary of terms**

6. [Chartered Institute of Building \(CIOB\) Archive](#) incl. research on Innovation in construction & Sustainability
7. [Inclusive Design Hub for the Built Environment](#)
8. [Building Research Establishment \(BRE\)](#)
9. [Global Research Gateway](#): CBRE's online resource for Real Estate Research
10. [COPAC\\*](#) - COPAC exposes rare and unique research material by bringing together the catalogues of c.90 major UK and Irish Libraries. In a single search, you can discover the holdings of the UK's national

libraries (including the British Library), many University libraries, and specialist libraries. N.B. COPAC has loaded the catalogue of the Institution of Civil Engineers (ICE) Library onto COPAC.



### [UCEM e-Library portrait incl. enquiry service](#)



### [Student career service](#)

GoConstruct.org – Careers website

A career in construction gives you the chance to be part of something BIG! [goconstruct.org](http://goconstruct.org) & [#ElizabethLine](https://twitter.com/ElizabethLine)

Access to:

- [RICS Careers guide – Schools](#): Where will the world of surveying take you? **[Updated for 2017]**
- [Surveying 2017, RICS Surveying careers guide - Universities](#): Become a leading professional in land, property, construction and infrastructure

### [UCEM's Sustainability Hub](#)



### [Useful web links](#)

[Back to top](#)



## **Latest UCEM news**

### **University College of Estate Management (UCEM) and Chartered Surveyors Training Trust (CSTT) are set to deliver a single, unified set of apprenticeship services – 11 May 2017**

- New seamless service introduced for apprenticeships in the Built Environment  
UCEM, (leading provider of supported online learning for the Built Environment) and CSTT (an educational charity providing life-changing opportunities for people to enter the surveying profession) on 11 May 2017 unveiled their plans to expand their apprenticeship services to meet the growing demands from employers in response to the arrival of the Apprenticeship Levy. The two organisations, which already have a strong working relationship, will come together in a formal partnership to deliver a best in class single point of delivery apprenticeship package for learners at both level 3 and level 6 (degree level).

With the Government aiming to fulfil three million apprenticeship starts by 2020, demand for apprenticeship training opportunities is high. The partnership announced on 11 May will offer employers a seamless experience from apprenticeship selection through to final assessment, while meeting the growing global demand from employers and students for high-quality, affordable and flexible learning.

Moving forward, the UCEM and CSTT partnership will help streamline all processes across the apprenticeship learner journey. The increased capacity across the team will meet the growing demand from employers, arising

from the introduction of the Apprenticeship Levy. The unified team will also be in a position to respond to the launch of new Apprenticeship Standards up to Level 7 (Master's level) within the Built Environment sector, to offer employers and Apprentices a wide-ranging provision with progression opportunities from level 3 to level 7.

William Hill, Chairman of CSTT comments, "A formal partnership with UCEM, the principal provider of our training programmes, is an obvious way to meet the anticipated growth in the sector. They have substantial resources and are the market leader in delivery of the learning in this area. CSTT brings 33 years of experience in arranging and managing apprenticeships. I am therefore delighted to welcome Ashley Wheaton and Wendy Finlay of UCEM to our Board and look forward to working with them."

Ashley Wheaton, CEO and Principal of UCEM comments, "We're delighted to formalise a partnership with the CSTT. Together we'll provide best in class apprenticeship support for the Built Environment."

Commenting on the partnership with UCEM, Katherine Parker, Chief Executive of the CSTT said, "This is a massive step forward in our ambitions to expand our offer to the market. Our skills between the two organisations are complementary and bringing the resources together is very exciting."

UCEM Website, News & Events, News (2017) – *University College of Estate Management (UCEM) and Chartered Surveyors Training Trust (CSTT) are set to deliver a single, unified set of apprenticeship services – 11 May 2017* [online]. Available at <https://www.ucem.ac.uk/news-events/news/university-college-estate-management-ucem-chartered-surveyors-training-trust-cstt-set-deliver-single-unified-set-apprenticeship-services/> [accessed 25 May 2017]

[Back to top](#)

## **UCEM shortlisted for Sustainable Project of the Year – 2 May 2017**

UCEM has been announced as a finalist in the Construction News Awards, 2017

The judging panel – made up of the UK's leading construction clients and industry experts – has awarded UCEM with this shortlisting for its efforts in sustainability in the refurbishment and development of its office building, Horizons.

Horizons demonstrates the possibility to transform a previously inefficient and unsustainable building, built in the 1980s, into a modern-day office – one that can compete with the sustainable capabilities of a brand-new building. The office went on to achieve an "Excellent" rating from BREEAM UK under the dedicated "Refurbishment and Fit Out" scheme, introduced in 2014.

The awards submission shared all the key aspects of the project and the environmental plans considered, alongside the additional enhancements the UCEM refurbishment entailed.

UCEM Principal, Ashley Wheaton comments, "We teach professionals all over the world via supported online learning how to construct and manage the Built Environment – it's fantastic to be able to put our theory into practice, and exemplify the endless possibilities to enhance our infrastructure and support the wider environment."

The awards will be announced on the 13 July. To find out more visit

Visit

Construction News Awards, CN Awards 2017 [online]. Further information is available at <https://awards.constructionnews.co.uk/> [accessed 25 May 2017] or to find out more about the refurbishment of Horizons, take a look at via our Online Academy [online] and available at <https://onlineacademy.ucem.ac.uk/courses/cpd1brm> [accessed 25 May 2017]

UCEM Website, News & Events, News (2017) – *UCEM shortlisted for Sustainable Project of the Year – 2 May 2017* [online]. Available at <https://www.ucem.ac.uk/news-events/news/introducing-online-academy/> [accessed 25 May 2017]

UCEM website @ [www.ucem.ac.uk](http://www.ucem.ac.uk)

& why not follow us on our newly updated Social Media sites also incl.



<https://twitter.com/StudyUCEM> [accessed 25 May 2017],



<https://www.facebook.com/StudyUCEM> [accessed 25 May 2017],



<https://www.linkedin.com/company/university-college-of-estate-management> [accessed 25 May 2017]



<https://www.youtube.com/user/cembuildingfutures/videos> [accessed 25 May 2017].

[Back to top](#)

## Growing from strength to strength – UCEM joins the Register of Apprenticeship Training Providers – 2 May 2017

UCEM has been approved by the Skills Funding Agency to join the Register of Apprenticeship Training Providers.

The register will ensure employers have the reassurance of selecting high-quality providers, whilst boosting employer confidence in the delivery and efficacy of apprenticeship training.

From the 1<sup>st</sup> May, 2017, UCEM will be operating as a main provider of apprenticeships with full responsibility for the end-to-end management and delivery of apprenticeship programmes within the Built Environment.

As a result, UCEM will receive funding directly to deliver training rather than through partner organisations, allowing UCEM to participate directly in the provision of Apprenticeship Levy funded activities.

The announcement further strengthens UCEM's leading position in the provision of apprenticeship programmes for the Built Environment.

UCEM Website, News & Events, News (2017) – *Introducing our Online Academy* [online]. Available at <https://www.ucem.ac.uk/news-events/news/introducing-online-academy/> [accessed 25 May 2017]

### Related Links:

For more information on the **Register of apprenticeship training providers** visit

GOV.UK, Skills Funding Agency and Education and Skills Funding Agency, published 14 March 2017, Last updated 21 March 2017, *Guidance: Register of apprenticeship training providers* [online]. Available at <https://www.gov.uk/guidance/register-of-apprenticeship-training-providers> [accessed 25 May 2017], and

Further information on **UCEM's apprenticeship offering** visit

UCEM Website, Develop talent for your business, Apprenticeships [online]. Available at <https://www.ucem.ac.uk/develop-talent-for-your-business/apprenticeships/> [accessed 25 May 2017]

[Back to top](#)

## University College of Estate Management's First QAA Higher Education Review a Success!

University College of Estate Management (UCEM) underwent QAA Higher Education Review (Alternative Providers) between 20 – 22 September 2016. The QAA Review team judged we met UK expectations in our education provision. The areas we were judged on were:

- The setting and maintenance of the academic standards of the awards offered by the provider and the maintenance of the academic standards of the awards offered on behalf of degree-awarding bodies

- The quality of student learning opportunities
- The quality of the information about learning opportunities meets UK expectations
- The enhancement of student learning opportunities meets UK expectations

As well as meeting UK expectations, UCEM was judged to be low risk in all areas, which is an excellent outcome

The QAA review team also identified the following features of good practice at UCEM:

- The robust assessment design and approval procedures that utilize the expertise of both academic and professional staff
- The use of integrated academic and support teams to take a strategic and collegiate approach to the design, delivery and support of student learning opportunities

**Further information** and access to the UCEM's QAA Higher Education Review and availability to read the full report can be found within the UCEM Website [online] and at <https://www.ucem.ac.uk/about-ucem/qaa-her-review/> [accessed 25 May 2017]

- The Quality Assurance Agency for Higher Education (QAA) is an independent body which was established to safeguard standards and improve the quality of UK higher education. To do this, they carry out Higher Education Reviews (HER) of all providers delivering higher education on a four-six-year cycle.

UCEM Website, News & Events, News (2017) – *University College of Estate Management's First QAA Higher Education Review a Success!* [online]. Available at <https://www.ucem.ac.uk/news-events/news/ucems-first-qa-higher-education-review-success/> [accessed 25 May 2017]

[Back to top](#)

## University College of Estate Management features in 'Masterminds of Construction' in association with ITN productions and the CIOB

We are delighted to announce and share with you the news that UCEM features in 'Masterminds of Construction'. A programme created in partnership with ITN Productions and Chartered Institute of Building (CIOB).

'Masterminds of Construction' has been created to promote the role of the construction industry and to address the challenges it faces. As an organisation playing a leading role in tackling some of these challenges, UCEM was invited to contribute.

The construction industry is currently facing a large skills and diversity deficit with numerous initiatives in place to try and widen both participation and accessibility. With the role of apprenticeships set to change in April 2017, organisations will soon be in a stronger position to fund their future workshop. The additional investment in apprenticeships will offer a way of closing the skills gap, offering more people the accessibility to higher education. At UCEM, our range of online programmes enables apprentices to gain a professionally recognised qualification whilst gaining experience in the working world; we're proud to be able to support students in the next step of their career.

Featuring our own Ashley Wheaton and Lynne Downey, alongside Arup and some of our talented students working at RG Carter, the programme brings to life the exciting and diverse range of careers available within the Construction industry.

Watch the clip here and let us know what you think – join the conversation online with #CIOBMasterminds or find us on our Twitter, Facebook and LinkedIn Pages links provided below).

opportunities to apply learning and to engage creatively in the subject matter. Assessment is through computer marked assignments and portfolios of evidence.

Level 6 Chartered Surveyor apprentices complete one of the following UCEM degrees as part of their apprenticeship: BSc (Hons) Building Surveying, BSc (Hons) Quantity Surveying or BSc (Hons) Real Estate Management – all of which are accredited by The Royal Institution of Chartered Surveyors (RICS). The four-year apprenticeship includes the RICS Assessment of Professional Competence (APC), which enables apprentices who

successfully complete their apprenticeship to achieve chartered membership of RICS – enabling them to use the MRICS designation.

UCEM Website, News & Events, News (2017) – *University College of Estate Management features in ‘Masterminds of Construction’ in association with ITN productions and the CIOB* [online]. Available at <https://www.ucem.ac.uk/news-events/news/ucem-features-masterminds-construction-association-itn-productions-ciob/> [accessed 25 May 2017]

**See also:**

CIOB – Chartered Institute of Building website [online]. Available at <http://www.ciob.org/masterminds-construction> [accessed 25 May 2017]

**N.B. Please refer to additional information provided later within this e-Bulletin.**

UCEM website @ [www.ucem.ac.uk](http://www.ucem.ac.uk)

**& why not follow us on our newly updated Social Media sites also incl.**



<https://twitter.com/StudyUCEM> [accessed 25 May 2017],



<https://www.facebook.com/StudyUCEM> [accessed 25 May 2017],



<https://www.linkedin.com/company/university-college-of-estate-management> [accessed 25 May 2017]



<https://www.youtube.com/user/cembuildingfutures/videos> [accessed 25 May 2017].

[Back to top](#)

---

[Back to top](#)



## Other news

### [Things you need to know this week: Conservatives set out housing pledges](#)

‘*Things you need to know this week*’ is a weekly article produced by Placemaking Resource and incorporating *Regeneration + Renewal* magazine and highlights the biggest placemaking stories from the past seven days (see below mentioned publication date). This week sees The Conservative Party manifesto continuing the themes of the housing white paper with its commitment to fixing the broken housing market. This and other stories incl.

- **The Conservative Party has set out a pledge in its election manifesto to build 500,000 homes between 2020 and 2022, following on from the current target to deliver a million homes by 2020.** It has also committed to helping councils to build homes, with the option being offered to councils that will build “high quality, sustainable and integrated” communities. The Conservative manifesto also sets out plans to produce ‘fixed term’ social homes, which would be sold after up to 15 years, with automatic right to buy going to tenants. The intention is that proceeds from sales would go into building further homes.
- **Surrey Heath Borough Council has chosen Holder Mathias Architects to design a residential-led scheme to help regenerate Camberley’s town centre.** The planned redevelopment of Ashwood House and Pembroke House, which is being led by the council’s development partner Berkeley Homes, is expected to provide 141 homes as well as retail space. It is planned that Ashwood House will be refurbished and converted to 116

homes, while Pembroke House will be replaced with a four-storey building containing 25 affordable homes plus ground floor retail space.

- **The government's Homes and Communities Agency has bought a former industrial site in Halesowen with a view to bringing it forward for around 70 homes.** The 3-hectare site in Cradley Heath, in the west Midlands, formerly housed commercial premises, which have been demolished. Property consultant Bruton Knowles acted on behalf of the site's owner.
- **Affordable housing providers AmicusHorizon and Viridian have launched their merged organisation under the new name of Optivo.** The amalgamated organisation plans to have capacity to build 1,500 homes a year from 2021 across London, the Midlands and south east England. It is raising £1.5 billion in new finance to support its growth programme.
- **Councils across Britain are warning of a need for affordable homes, according to a new report.** The report, which is based on a survey of 166 local authorities, states that 98 per cent of councils surveyed said their need for affordable homes is either 'severe' or 'moderate'. Just over two thirds of councils surveyed said they had or were thinking about setting up a housing company alone or in partnership. The report, ***Building homes, creating communities: Ensuring councils provide innovative solutions to meeting housing need***, is published by local authority body the Association for Public Service Excellence (APSE) and written and research by the Town and Country Planning Association (TCPA). **Note:** Please see further information below.

Source: **Placemaking Resource** (incorporating *Regeneration + Renewal*), Smit, J., 23 May 2017, *Need to know: Conservatives set out housing pledges* [online]. Further information available at <http://www.placemakingresource.com/article/1434483/need-know-conservatives-set-housing-pledges> [accessed 25 May 2017]

[Back to top](#)

#### **Related Link:**

### **Building homes, creating communities: Ensuring councils provide innovative solutions to meeting housing need**

Published by the Association for Public Service Excellence (APSE) and written and researched by the Town and Council Planning Association (TCPA), this report finds that UK councils are becoming increasingly unable to meet demands for affordable housing and 98% now describe their need as either 'severe' or 'moderate', with only 1% claiming that their need is not substantial.

The survey of 166 local authorities in Britain highlights the pressure on councils to meet the growing demand for affordable housing due to a lack of new homes being built and that many of those that are being built are not affordable to those in need.

The research highlights the cumulative impact of existing housing and planning policies in England – such as the 1 per cent annual rent reductions in the social rented sector and the continued deregulation and reform of the planning system – have reduced the ability of councils to secure genuinely affordable homes available for social rent.

The exploring a range of issues faced by councils, this study has identified how local authorities are already taking a more active role in housing delivery through entrepreneurial approaches, such as setting up local housing companies and innovative approaches to partnership working. Over two thirds (69%) of councils surveyed said that they already had or were thinking about setting up a local authority housing company either on their own or in partnership.

The report has been released to coincide with the upcoming election and makes 15 recommendations to the incoming government, including a call for investment in building new homes available for social rent to house Britain's 'essential' low-paid workers.

The full report is available to download for free via the following link

Source: APSE (2017) *Building homes, creating communities: Ensuring councils provide innovative solutions to meeting housing need* [online], Oxford: APSE. Available at <http://apse.org.uk/apse/index.cfm/research/current-research-programme/building-homes-creating-communities-ensuring-councils-provide-innovative-solutions-to-meeting-housing-need/#> [accessed 25 May 2017]

[Back to top](#)

## Analysis: Coworking comes of age

- The coworking sector is generating almost as much excitement as its tech tenants with its sophisticated new schemes, as the author of this article finds out.

It is being billed as the world's largest coworking development to date. Station F in Paris, which is due to open in June 2017, has been created in a 34,000-square metre listed station with space for some 3,000 desks as well as a makerspace, restaurant, café, bar and eight event spaces. It is organising mentoring and events for its tenants and could in time provide them with homes, as there are plans to follow the workspace project with an accompanying co-living development of three towers containing 100 shared apartment housing 600 entrepreneur residents.

This is the new face of the office and it is attracting some high profile tenants, with Station F set to be home to former president of France, Francois Hollande's innovation non-profit, La France s'engage. Flexible space for creative and tech businesses and start-ups is becoming part of the development mix in towns and cities across the UK. Such space is being included in schemes as diverse as the major regeneration planned for India Quay, the McEwan's brewery site in Edinburgh, to Truro's QuayWorks, a creative business hub planned by theatre venue Hall for Cornwall.

As the British Council for Offices (BCO) report, Space on demand, notes, coworking space can be provided anywhere from grade A offices to 'meanwhile' spaces, and are created by business models ranging from commercial ventures to not-for-profit community players. Providers now include multi-national serviced office companies, such as Regus and specialist operators, such as The Office Group. Others in the sector include universities, research organisations and charities, often providing space for their local markets.

But, as Station F shows, the flexible office sector is becoming more sophisticated and competitive, demanding providers do more than fit an industrial-style, stripped back office with desks, bean bags and table tennis tables. "We're in the hospitality industry," Charlie Green, co-chief executive of The Office Group told the audience at the BCO Annual Conference in London earlier in May 2017. "Food and beverages are massively important, as are gyms and libraries. We've even launched an events team because we have space that is empty come six o'clock in the evening, which could be used for things like fashion shows."

### **Supply and demand**

According to business body the Centre for Entrepreneurs almost 250,000 businesses have launched in 2017 to date, but is that enough to keep the UK's pipeline of flexible office space filled? London is home to the UK's most advanced flexible office sector and here property consultant Cushman & Wakefield says flexible office space has accounted for more than 4.5 million square feet to take up over the past five years. Its research found that the appeal of such space is in fact moving beyond the tech or creative start up to larger corporates, including the likes of HSBC and Microsoft, which see coworking spaces as routes to collaboration and access to talent.

Certainly developer British Land sees business potential in flexible space, as this month news came that it would be launching a flexible workspace brand. "The nature of work is becoming quite informal, requiring new locations," said Juliette Morgan, the developer's head of campus.

But Morgan sounds one note of caution in a sector that seems to be generating almost as much excitement as its tech tenants. Digital nomads are exactly that and may move to locations with more to offer, meaning flexible space can face a global competition to win tenants. "People can work anywhere in the world," she said. "Workplace Utopia in Bali is a competitor to London."

Source: **Placemaking Resource** (incorporating *Regeneration + Renewal*), Smit, J., 22 May 2017, *Analysis: Coworking comes of age* [online]. Further information available at

<http://www.placemakingresource.com/article/1434290/analysis-coworking-comes-age> [accessed 22 May 2017]

[Back to top](#)

## Case study: Building neighbourhood through a maker movement

- Researchers are looking at the regeneration of a west London council estate to assess impact of its transformation, reports Josephine Smith in this article

West London's South Acton Estate is going through a process of transformation that promises to bring new homes and residents to an established council estate of more than 1,800 homes. The estate is in fact made up of a string of loosely connected developments, built in the 1960s and 1970s, extending from South Acton station to Acton Town station and Acton town centre. All of the existing housing, which includes tower blocks of 17 storeys, is being redeveloped, with construction divided into 21 phases. The regeneration work is expected to continue through to 2024.

Under the regeneration plans, the new Acto Gardens will have a more equal balance between affordable and private housing. The number of homes across the estate will be increased from 1,800 units to 2,500.

### **Challenges**

Many estates are going through the kind of transformation now well under way at South Acton, with more now embarking on the process. Such regeneration projects post numerous challenges in introducing new homes, tenures and residents that are often key to the viability of development and the regeneration of a broader area. This significant change can bring benefits for existing residents in new homes and improved neighbourhoods, but it can also put the social coherence of the established community at risk. For this regeneration, therefore, the development partners, housebuilder Countryside Properties and affordable housing provider L&Q, have commissioned researchers from University of Reading and social enterprise Social Life to monitor the social impacts of change.

### **Regeneration and research**

The 15-year redevelopment of the estate is replacing towers and lower rise blocks with higher density development, up to 12 storeys high. Homes are planned in five parkland neighbourhoods. The 1,506 socially rented units are being replaced with 1,531 affordable homes, with 1,127 being for social rent and the remaining 403 being for shared ownership, a mix intended to reflect local housing need.

The first phase of the scheme, designed by architect HTA, which is also responsible for the Acton Gardens masterplan, comprises 167 tenure-blind homes located around a shared courtyard. Homes match or exceed the standards of the London Plan and London Housing Design Guide, and have balconies, winter gardens or roof terraces.

Local residents are involved in the regeneration process, and that approach has carried through to the research initiative, says Professor Tim Dixon, school of the built environment at University of Reading, a member of the research team. “The developer has gone out of their way to engage with people in the homes, and was adamant that the research should reflect the views of the people living there. It’s early days in the project but there is a sensitivity to the dynamics of the community.”

### **Outcomes**

The research looks at existing residents’ experience of rehousing, and how people living directly around the estate view regeneration. The study also includes an independent site survey to assess the quality of the built environment and provision of community facilities, using an adapted version of the Building for Life industry standard.

The aim is to develop a benchmark to compare and assess how the regeneration process affects people, and see how life is affected by changes in the built environment, as the regeneration progresses. This benchmarking approach, was in fact, created for developer the Berkeley Group to measure quality of life and wellbeing on its new developments.

The results from the first stage of the research are summarised in the report, **Measuring the social impact of regeneration in South Acton.**

Findings from the survey of 544 residents included the following:

- Residents recognised that their estate needed regeneration to improve it as a place to live, tackling overcrowding and poor quality housing in particular
- At the same time residents said that the success of the programme called for changed to more than the physical environment
- Improvements to open and green spaces and the street network have made people feel safer
- 90 per cent of people living on the newly developed Acton Gardens said that their identity is tied to their location, figures similar to residents of the old South Acton Estate and people from the wider area
- People living in Acton Gardens and the wider area reported higher levels of wellbeing and satisfaction than people living on the South Acton Estate

The research also identified areas that could need attention in the future, including accommodating local organisation that could offer support services to the community.

### **Project team**

**Developers:** Countryside Properties, L&Q

**Local authority:** London Borough of Ealing

**Architects:** HTA (master planning as well as phases). Other phase architect – Alison Brooks, Stitch Studio, Maccreeanor Lavington, PCKO, Levitt Bernstein

**Structural engineer:** Colin Toms and Partners

**Planning consultant:** Terence O'Rourke

Further information is available at:

Smit J (2017), *Case study: Making a social success of estate renewal*, Placemaking Resource [online], 10 May. Available at <http://www.placemakingresource.com/article/1433120/case-study-making-social-success-estate-renewal> [accessed 10 May 2017]

#### Related Link

Social Life and University of Reading (2017) *Measuring the social impacts of regeneration in South Acton* [online]. Available at [http://www.social-life.co/publication/social\\_impact\\_regeneration\\_south\\_acton/](http://www.social-life.co/publication/social_impact_regeneration_south_acton/) [accessed 10 May 2017]. Report prepared by Social Life and University of Reading, commissioned by Acton Gardens LLP.

[Back to top](#)

#### **Estates Gazette's 'News from the nationals'**

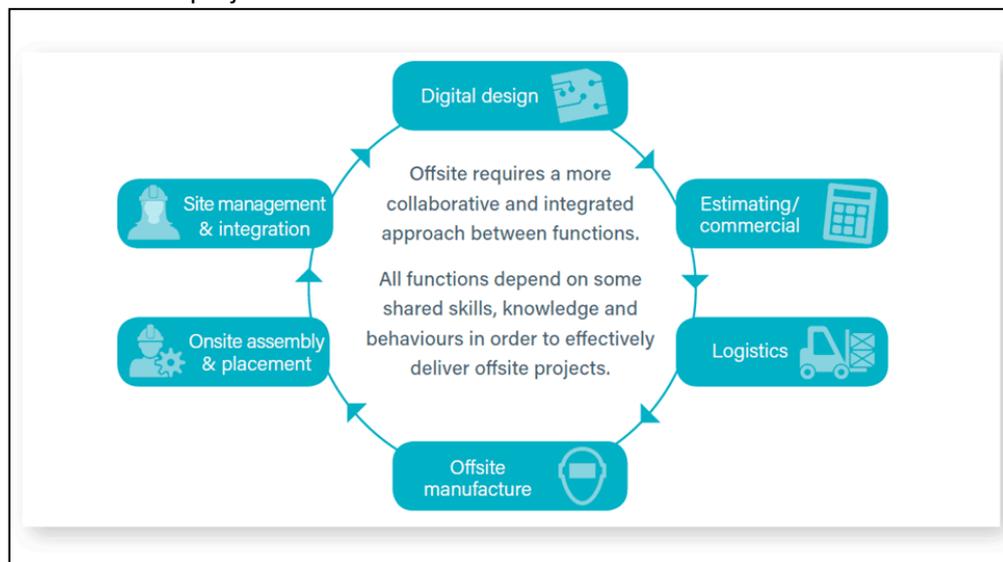
– Access to a daily round-up of the top property stories with quick links ...

*Estates Gazette* (2017) 'News from the nationals' [online]. Further information is available at <http://www.egi.co.uk/news/> [accessed 9 May 2017]

[Back to top](#)

#### **The six personas of offsite construction**

- New Construction Industry Training Board (CITB) report sets out six skills areas needed for the industry to deliver more offside construction projects



**Source:** Carr D (2017), Building Research Establishment (BRE) – 'The six personas of offsite construction', *Building4Change* [online], 24 April. Available at <http://www.building4change.com/article.jsp?id=2816#.WQvXxWnvtEY> [accessed 13 April 2017], **ARTICLE #2816** (BRE).

The 'Faster, Smarter, More Efficient: Building Skills for Offsite Construction' report commissioned by the Department for Education following last year's (see publication date) Farmer Review, identifies the opportunities that offsite construction brings to the housing and commercial sectors in particular, but critically the gaps in training and skills.

A survey of 1,248 construction employers carried out by the CITB ahead of the report showed there was an overwhelming support for adopting offsite construction techniques. Of those employers with more than 100 employees, 42% said they expected their businesses to use offsite methods in 3-5 years' time.

However, the report highlights an inadequately trained workforce as being the greatest threat to industry taking advantage of offsite construction: "The growth of offsite has seen a blurring of lines between manufacturing, engineering and construction, creating a need for new skills and redefining existing ones".

With that in mind, the CITB has begun the process of redefining current roles by creating six personas:

**1. Digital Design (Roles include BIM Technician, Architect, Design Engineer)**

Designers will need a new range of digital capabilities, particularly Building Information Modelling (BIM) and the design function integrated into early stage planning with contractors and client.

**2. Estimating/Commercial (Roles include Commercial Manager, Quantity Surveyor and Estimator)**

Cost saving is one of the key advantages of offsite so the estimating function is crucial. Estimators must account for and have an understanding of materials used, transportation costs and risk factors.

**3. Logistics (Roles include Signallers, Despatch Leader, Logistics/Plant Manager)**

For offsite construction, logistics covers planning, transportation, scheduling, goods monitoring and supply chain management. Understanding different offsite methods and materials is important for enabling decision making and planning.

**4. Offsite manufacture (Roles include multi-skilled trades, Welding Fabricator, Machinist, Project Manager, Factory manager)**

Offsite manufacturing encompasses the creation of components, modules or entire buildings in a factory setting. This function requires technical skills, such as welding, joinery, pre-casting and steel fixing, already present in the construction workforce, plus product and process knowledge.

**5. Onsite placement and assembly (Roles include: Groundworks, Crane Operator, Assembly Technician, Site Manager)**

Onsite assembly often relies on existing core 'tradespeople' skills. However, additional skills are also required. For example, a crane operator needs new skills in handling much larger, unstable pre-manufactured loads.

**6. Site management and integration (Roles include: Site Manager, Project Manager, Logistics Manager)**

The role hinges on being able to integrate onsite and offsite functions in one project. For example, digital skills are needed to read and use BIM models, to help with correct sequencing and installation. Quality assurance skills and behaviours are also important.

The CITB also identified areas that were presenting the provision training for these personas. These included a shortage of qualified training providers and assessors, plus a lack of offsite content in existing training courses; and a lack of awareness of available courses, resulting in non-standard in-house training.

Access to further information and the **full** report, including CITB recommendations and Persona infographics, please visit:

Source: Carr D (2017), Building Research Establishment (BRE) – 'The six personas of offsite construction', *Building4Change* [online], 24 April. Available at <http://www.building4change.com/article.jsp?id=2816#.WQyXxWnytEY> [accessed 8 May 2017], **ARTICLE #2816** (BRE).

[Back to top](#)

## **[Top 10 tips for Higher Education to engage better with industry – Constructing Excellence \(delivered with BRE\)](#)**

- Constructing Excellence's Chief Executive, Don Ward, has put together a list of ways in which Higher Education can work better with industry, and invites comments and additions.



But according to the Health and Safety Executive (HSE), stress, depression or anxiety accounted for almost a fifth (18 percent) of work-related illness in the construction sector between 2013/14 – 2015/16, with more than 14,000 self-reported cases and 400,000 working days lost annually.

Cited as the “forgotten health and safety issue” by mental health charity Samaritans, Prime Minister Theresa May recently promised to tackle the issues around mental health, acknowledging that it is “something of a hidden injustice” with “unacceptable stigma”.

And with 80 per cent of construction workers believed to suffer from some kind of work – related stress, the significance of mental health in the sector has really come to the fore front in recent years, explains Bill Hill, chief executive of the Construction Industry Charity the Lighthouse Club.

Suicide is now the leading cause of death in men aged 15-49 with an estimated 5,250 taking their own life each year. And with 10 to 15 per cent of those likely to work in construction, workers in the male-dominated sector are six times more likely to die from suicide than a fall from height – statistics that have provide to be a “massive industry – wide take-up call,” says Hill.

Originally set up as a benevolent fund in 1956, the Lighthouse Club has since diversified and now provides financial assistance, welfare and wellbeing advice, as well as emotional and legal support to those working in construction.

The dedicated industry charity has gone from strength-to-strength, raising more than £15 million, helping 16,000 families in the UK and Ireland and offering a “beacon of hope” to those who need it.

Further information is available at:

Source: Cameron, C., (2017), ‘Mind matters: Protecting the wellbeing of your workforce by raising awareness of mental health’ [online], and available at: <http://www.builderandengineer.co.uk/feature/mind-matters-protect-wellbeing-your-workforce-raising-awareness-mental-health> [accessed 8 May 2017], *Building&Engineer*, 7 March.

[Back to top](#)

## **CBRE – Global Investor Intentions Survey 2017**

- Positive investor outlook expected to drive global capital flows in 2017

CBRE’s 2017 Global Investor Intentions Survey, reflecting the input of more than 2,000 major investors worldwide, shows that investors continue to have a positive outlook on commercial real estate, with 84% of respondents globally indicating that their investment activity will be the same or greater compared to 2016. Overall, responses indicator that current economic conditions are positive and investors have ample capital to deploy in global real estate.

Further information and access to read online or download the above mentioned research report is available at

CBRE (2017) *Global Investor Intentions Survey 2017* [online]. Further information is available at <http://www.cbre.com/research-and-reports/Global-Investor-Intentions-Survey-2017> [accessed 8 May 2017]

[Back to top](#)

## **Increase in housebuilding and civil engineering in April helps construction record its sharpest output rise of 2017**

Residential building activity rose to a four-month high and civil engineering projects grew for the second consecutive time as the construction sector recorded its biggest monthly output rise of 2017 in April.

Expanding at its fastest pace for more than a year, the civil engineering sector was the best performing sub-category, while residential building accelerated at its highest rate since January as construction companies reported a solid start to the second quarter.

Commercial building work also increased but at a weaker pace than in March.

With a rise in overall construction output, the latest Markit/CIPS UK Construction Purchasing Managers’ Index rose to 53.1 in the fourth month of year – up from 52.2 in March.

According to the report, a resilient economic backdrop and a sustained improvement in client demand led to an upturn in incoming new work and the most marked rise in input buying since November 2016.

And while greater workloads saw an increase in employment not seen since last May, survey respondents also indicated additional pressures on the availability of sub-contractors during April.

However, robust demand for construction materials and upward pressure on costs from sterling depreciation resulted in another steep increase in input prices during April.

April data pointed to a solid upturn in new work received by UK construction companies, with the rate of expansion the strongest seen so far this year.

Demand for construction materials increased in response to a sustained upturn in new work, as highlighted by a renewed upturn input buying during April. This contributed to a sharp and accelerated deterioration in vendor performance, with lead-times from suppliers lengthening to the greatest degree since June 2015.

Average cost burdens increased sharply in April, although the rate of inflation continued to moderate from the five-and-a-half-year peak seen at the start of 2017. Higher prices were linked to exchange rate factors, as well as increased energy and fuel costs.

Meanwhile, around five times as many survey respondents (49 per cent) expect a rise in construction output over the year ahead as those that forecast a fall (10 per cent). The degree of confidence was down fractionally since March, but still well above the post-referendum low seen in July 2016.

Further information is available at:

Source: Builder&Engineer (2017), 'Increase in housebuilding and civil engineering in April helps construction record its sharpest output rise of 2017' [online], and available at:

<http://www.builderandengineer.co.uk/news/increase-housebuilding-and-civil-engineering-april-helps-construction-record-its-sharpest-outpu> [accessed 8 May 2017], *Building&Engineer*, 3 May.

[Back to top](#)

#### **Related Link:**

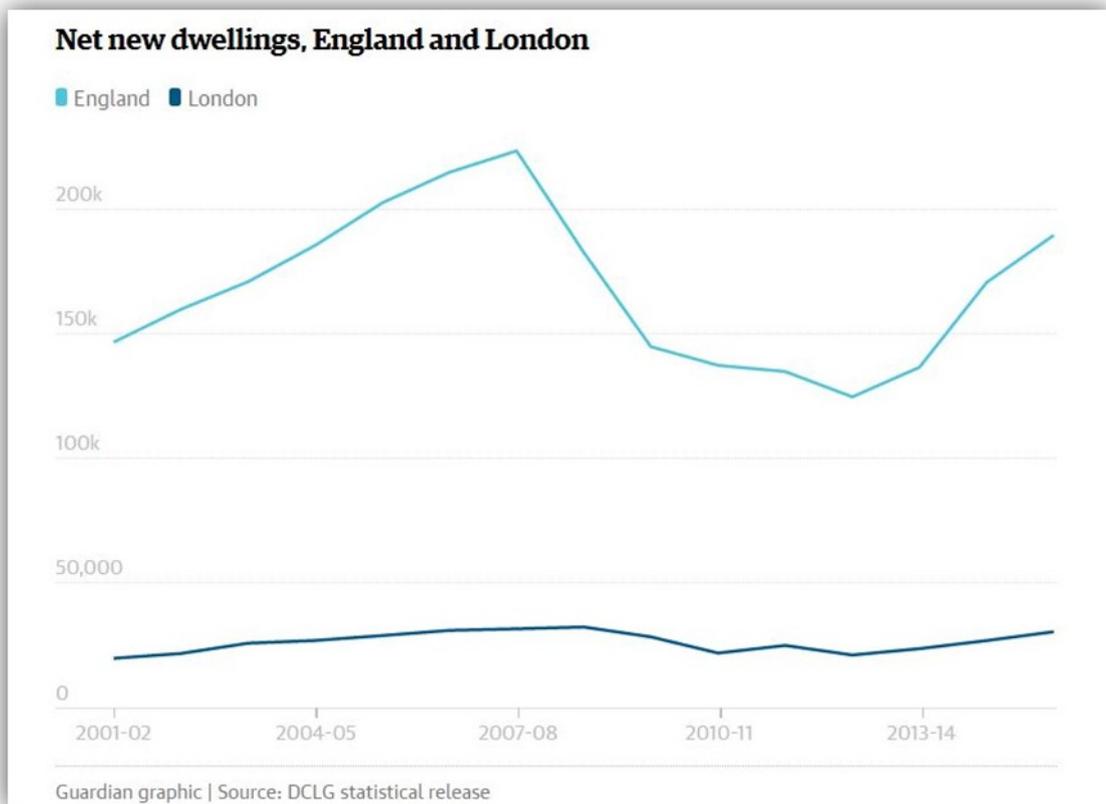
#### **[Housebuilding is up – but what type of homes are being built?](#)**

- Housing stock is growing, office conversions are increasingly popular, but new social housing completions are much less health

Any discussion on the UK housing crisis invariably jumps straight to housebuilding: build more houses, and house prices and rents will fall, proponents claim. The **Labour-commissioned Redfern Report** argues it's a little more complicated than that, as life tends to be. When surplus stock has increased or decreased from one year to the next, the impact on house prices is negligible.

But houses are being built: according to Department for Communities and Local Government (DCLG) **figures**, there were 189, 650 dwellings completed in England in the financial year ending March 2016, up 11% on the year before.

Ask most people to think of a new home, and they' usually imagine a small family home. In reality, the type of new homes being built is quite diverse. Traditional new-build properties rose by 8,860 units to 163,940, but the most marked increase was in "charge of use" – 30,600 new units, compared with 20,650 the year before; so not a newly built home at all. Of these, 12,824 were former offices that had been converted into flats.



Source: Foster D (2016) 'Housebuilding is up – but what type of homes are being built?', *The Guardian*, Housing Network – Housing by numbers [online], 30 November. Available at <https://www.theguardian.com/housing-network/2016/nov/30/housebuilding-up-office-conversions-social-housing> [accessed 11 May 2017]

This is the highest number of new dwellings since the 2008 financial crash slashed construction, but still leave the government likely to miss its target of building a million homes by 2020.

Homes are being built, but who are the homes for, and will they do anything to mitigate the symptoms of the housing crisis?

Statistics on the supply of affordable housing paint a worrying picture: the government's figures show that **affordable housing delivery was 52% lower** in 2015-16 compared with the previous year. So, despite building more homes, the homes are selling at market rate, and going to people who are managing quite comfortably, rather than people struggling to buy.

The DCLG says this reflects the transition from the 2011-15 affordable housing programme to the new affordable housing programmes, arguing that delivery peaks towards the end of each tranche of housebuilding grant. But many people will be concerned about such a huge dip in the midst of a housing crisis.

If you're struggling to buy in Britain, the growth in "affordable housing" may be good news if you can nab one of these new builds. But if you're renting, "**affordable housing**" **really isn't affordable** for people in many parts of Britain – it's set at 80% of market rent. In places where local rents are exorbitant, affordable rents are slightly less exorbitant, but still likely to be unaffordable for the lowest paid families.

And if you're struggling even to rent, there's little in the way of good news. The tenure of the homes being built has also shifted. The 32,110 affordable homes delivered in 2015 – 15 comprised 6,550 social rent, 16,550 affordable rent and 9,010 affordable home ownership, shared ownership and intermediate rent. With the introduction of affordable rent, the number of socially rented homes (at rents set by the national rent regime) being built has fallen.

In some parts of the UK, affordable rent is actually lower than social rent. But in the areas facing the acutest shortage of affordable housing, even rents of 80% market rate are too expensive for many households.

So, while the number of houses being built has slightly risen, the people in need of social housing, and affordable housing, are unlikely to find much to welcome when looking closely at exactly what is being built.

Foster D (2016) 'Housebuilding is up – but what type of homes are being built?', *The Guardian*, Housing Network – Housing by numbers [online], 30 November. Available at <https://www.theguardian.com/housing-network/2016/nov/30/housebuilding-up-office-conversions-social-housing> [accessed 11 May 2017]

From this above-mentioned web-link you can also gain further information about **The Guardian Housing Network; Housing by numbers; Communities; Housing; Property; and Analysis**

#### **Related Links:**

Foster D (2016) 'Tinkering at the edges won't fix the housing crisis – we need a radical rethink', *The Guardian*, Housing Network [online], 18 November. Available at <https://www.theguardian.com/housing-network/2016/nov/18/housing-crisis-redfern-review-policy-council> [accessed 11 May 2017]

GOV.UK, Department for Communities and Local Government (2016), Part of: Housing supply: net additional dwellings and Live tables on housing supply: net additional dwellings, published: 15 November 2016, Applies to: England, *National Statistics – Housing supply: net additional dwellings, England: 2015 to 2016* [online]. Available at <https://www.gov.uk/government/statistics/housing-supply-net-additional-dwellings-england-2015-to-2016> [accessed 11 May 2017]

GOV.UK, Department for Communities and Local Government (2013), *Collection: Affordable housing supply* [online]. Available at <https://www.gov.uk/government/collections/affordable-housing-supply> [accessed 11 May 2017] and

GOV.UK, Department for Communities and Local Government (2016), Part of: Affordable housing supply and Live tables on affordable housing supply, published: 17 November 2016, Applies to: England, *National Statistics – Affordable housing supply in England: 2015 to 2016* [online]. Available at <https://www.gov.uk/government/statistics/affordable-housing-supply-in-england-2015-to-2016> [accessed 11 May 2017]

Jenkins S (2016), Autumn Statement 2016 Opinion - 'Hammond knows Britain's regional imbalance is risky. Why didn't he fix it?', *The Guardian* [online], 24 November. Available at <https://www.theguardian.com/commentisfree/2016/nov/24/philip-hammond-britain-regional-imbalance-risky-autumn-statement> [accessed 11 May 2017]

[Back to top](#)

## **Why aren't there enough homes to go around?**

- The housing crisis is talked about every day, but it means so many different things to many different people. In this article, Geeta Nanda, CEO of Thames Valley Housing Association gives an overview of the housing crisis, what created the problem and what needs to be done to fix it.

To those sleeping rough, the housing crisis couldn't be more acute. Current estimates show that there are around 1,000 people sleeping rough every night in London alone.

Consider that alongside the 14,000 people that were accepted as homeless in the last quarter, and the 75,000-people living in temporary accommodation and it seems those living at the sharp end have little hope.

### **But it wasn't always this way**

Before 2009-10, homelessness was reducing because local authorities had targets to get people out of bed and breakfast accommodation, and we were building more affordable homes. Rough sleeping reduced as there was a real commitment to dealing with people with multiple and complex problems; hostel accommodation was freed up as people readily moved on when their needs changed.

Today, supported housing is silting up. The model for funding the tenure is up in the air so housing associations cannot build new accommodation provided by landlords to house the homeless is no longer lucrative – demand for market rent is so high, landlords can easily let the homes to those on the open market without going through councils.

But what of the people who need affordable housing to meet their outcomes? We are failing to deliver enough homes to meet current demand, let alone house the future population. House price inflation and long running undersupply has resulted in limited homes for those wanting to buy, pushing prices up and rents rising higher than earnings.

With overcrowding increasing in both the social and private rental markets and undersupply so chronic in some parts of the country, children are once again being brought up in insecure housing which dramatically affects their long-term life chances.

### **So what do we need to do to fix this mess?**

The crisis is so huge that the answers are complex. First, we need to build more homes and have the land and planning framework to support this. Secondly, we need more players, products and investors so we have the money to build, the capacity to keep doing so and a construction industry that can support it.

Finally, we need the welfare system, subsidy and tax system to support building homes that are affordable to those who live in them. The Treasury, Work and Pensions and Communities departments within government need to work together so they don't create unintended consequences.

We need long term solutions that all of us can rely on, so we can make long term commitments. Housing is too important to have ideas that come and go and cause havoc. Homes are the foundation from which people build their lives and it needs the investment and focus to match.

Nanda G (2017) *Why aren't there enough homes to go around?* [online], London: RICS. Available at <http://www.rics.org/uk/news/news-insight/comment/why-arent-there-enough-homes-to-go-around/> [accessed 12 May 2017]

[Back to top](#)

### **Remove landowners' right to sit on land indefinitely, says think tank**

The Government needs to intervene in the land market to take it off developers if they do not build on it quickly enough, a new report has urged.

Civitas, a think tank, said that this would end land speculation and enable homes to be sold at lower prices, therefore getting them built more quickly and in greater volumes.

"For this to be feasible, the landowners' right to sit on land indefinitely needs to be removed," the report said.

The radical plan would allow the introduction of contracts alongside planning permissions that ensure homes are built to a certain timeframe, and if that fails, a stronger use of compulsory purchase orders to get the land back for speedy development.

Developers build at slower rates so that the homes can be absorbed by the market and sold at high enough prices to support the land value, whereas if they were more affordable, the speed of construction could, in theory, speed up.

This comes a week after a report by the Communities and Local Government committee urged MPs to look into the possible of public intervention in land to boost house building.

The Government's housing white paper in February 2017 suggested increasing powers given to councils to take land from developers that were building out too slowly, following fiery speeches by Communities Secretary Sajid Javid against the developers "strange hold on supply".

Civitas has argued that this measure will not increase house building to the level needed. The report added: "The specific proposals in the white paper that are focused on this area are not quite so bold as some of the advance ministerial rhetoric."

Daniel Bentley, editorial direct at Civitas, said: "The current market-led housebuilding model is failing to deliver. Despite a growing crisis of affordability, homes are only usually built at a rate that will not depress current prices. This restricts output and keeps prices high."

Source: Fraser I (2017) 'Remove landowners' right to sit on land indefinitely, says think tank', *The Telegraph* [online], 5 May. Available at <http://www.telegraph.co.uk/business/2017/05/04/remove-landowners-right-sit-land-indefinitely-says-think-tank/> [accessed 8 May 2017]

[Back to top](#)

### **Shaping the Future of Construction: Insights to redesign industry – World Economic Forum White Paper**

In the context of the Forum's Future of Construction initiatives, over the past year six Working Groups comprised of industry leaders, academics and experts met regularly to develop and analyse innovative ideas, their impact,

the barriers to implementing solutions and the way forward to overcoming obstacles and implementing modern approaches in the construction and engineering industry.

This white paper presents the outcome of this work in the form of insight articles proposing innovative solutions on how to address the construction sector's key challenges in the following fundamental challenge areas:

1. Project delivery – Creating certainty of timely delivery and to budget, and generally improving the productivity of the construction sector
2. Life cycle performance – Reducing the life cycle costs of assets and designing for re-use
3. Sustainability – Achieving carbon-neutral assets and reducing waste in the course of construction
4. Affordability – creating high-quality, affordable infrastructure and housing
5. Disaster resilience – Making infrastructure and buildings resilient to climate change and natural disasters
6. Flexibility, liveability and well-being – creating infrastructure and buildings that improve the well-being of end-users

Together with these publications, the lighthouse innovation cases and the insight articles will be posted to the **Future of Construction website** to enhance awareness and collaboration among the extended stakeholders of our industry.

Source: **Designing Buildings.co.uk Wiki**, (2017) *Shaping the Future of Construction: Insights to redesign the industry* – World Economic Forum White Paper [online], last edited 5 May 2017. Further information is available at: <http://www.designingbuildings.co.uk/wiki/Home> and [https://www.designingbuildings.co.uk/wiki/New\\_World\\_Economic\\_Forum\\_report:\\_Insights\\_to\\_redesign\\_the\\_industry](https://www.designingbuildings.co.uk/wiki/New_World_Economic_Forum_report:_Insights_to_redesign_the_industry) [accessed 12 May 2017]

#### **Related Links:**

World Economic Forum (2017) *Shaping Future of Construction: Inspiring innovators redefine the industry* [online]. Available at <https://www.weforum.org/reports/shaping-the-future-of-construction-inspiring-innovators-redefine-the-industry> [accessed 12 May 2017]

To access the World Economic Forum 2016 report '*Shaping the Future of Construction: A Breakthrough in Mindset and Technology*' [online] this is available at <https://www.weforum.org/reports/shaping-the-future-of-construction-a-breakthrough-in-mindset-and-technology> [accessed 12 May 2017]

Future of Construction website [online]. Available at <https://futureofconstruction.org/> [accessed 12 May 2017]

---

#### **NOTE: Use of Wikipedia as a reference site:**

Wikipedia and use of other Wiki are increasingly being used by people in the academic community, as an easy source of information about anything and everything. However, citation of Wikipedia may not be considered acceptable, because Wikipedia is not a creditable source.

It is important to note that whilst Wikipedia may be one of the Web's most popular reference sites, it is not classed as a credible resource because anyone is allowed to be a contributor to the website.

This can be avoided by following two simple rules:

- Remember that any encyclopaedia (which includes Wikipedia and any other wiki) can be a good starting point for research, and not an ending point.
- An encyclopaedia can be good for getting a general understanding of a subject before you extend your study of the subject further. But you then have to consider the subject in more depth using books, journal articles and other appropriate and credible resources. What you find in these other sources of information will be more detailed, more precise, and more carefully reasoned than the summary you found in an encyclopaedia. The sources you reference/cite in your work will therefore be these more detailed sources you have used.

---

[Back to top](#)

## **[Construction industry beats post-Brexit expectations but growth reliant on infrastructure delivery, says CPA](#)**

Infrastructure and housing expected to lead growth as activity in the construction industry continues to rise at a faster pace than initially expected following Brexit, new figures reveal.

According to the latest forecasts by the Construction Products Association (CPA), output is expected to rise annually over the next two years – by 1.3 per cent in 2017, 1.2 per cent in 2018 and 2.3 per cent in 2019.

Infrastructure projects are expected to be the industry's main growth engine, drive by a strong National Infrastructure and Construction Pipeline value at £300 billion over the next four years.

In particular, growth to 2019 is expected to be primarily drive by 34.5 per cent increase in infrastructure activity due to major projects in the energy, rail and water sub-sectors, which would offset expected falls in commercial and industrial construction.

House building is also expected to remain a key source of growth, with private house building starts rising by 7.2 per cent between 2017 and 2019, underpinned by a continued upward trend in house prices, demand from first-time buyers and the Help to Buy equity loans. In 2016, Help to Buy accounted for 39.8 per cent of new home sales in Q4 and has been a significant government policy for supporting building activity.

Noble Francis, economics director at the CPA said: "Construction output has been sustained post-referendum, primarily due to projects signed up to before June 2016. Activity is expected to remain strong in the first half of this year in all the key construction sectors: private housing, commercial, industrial and infrastructure. Looking further forward, a fall in contract awards during the second half of last year, is likely to impact greatest where Brexit uncertainty affects sectors requiring high investment up front for a long-term rate of return, such as commercial offices and industrial factories.

"We forecast that output in commercial offices will fall one per cent this year and a further 12 per cent in 2018. Industrial factories construction is expected to fall five per cent in 2017 and 4.0 per cent in 2018. However, this is expected to be offset by strong growth in infrastructure and private housing.

Infrastructure construction is expected to increase by 7.3 per cent in 2017 and 11.1 per cent in 2018, primarily driven by major projects such as main works at Hinkley Point C and High-Speed 2.

Private housing starts are forecast to rise three per cent in 2017 and two per cent in both 2018 and 2019.

"Looking forward, given the dependence of construction industry growth on activity in the infrastructure and private housing sectors, it is essential that government focuses on delivery of infrastructure projects in its National Infrastructure and Construction Pipeline," said Francis.

In addition, as major house builders are reliant upon Help to Buy equity loans, which are due to end in 2021, it is vital that government outlines its plans early to support house building growth as we approach the end of the scheme."

Further information is available at:

Builder&Engineer (2017), 'Construction industry beats post-Brexit expectations but growth reliant on infrastructure delivery, says CPA' [online]. Further information is available at <http://www.builderandengineer.co.uk/news/construction-industry-beats-post-brexit-expectations-growth-reliant-infrastructure-delivery-say> [accessed 8 May 2017], *Builder&Engineer*, 18 April.

[Back to top](#)

## **House prices on the rise despite Brexit fears**

The average house in Britain will be worth £220,000 this year (see publication date) up £9,000 on 2016 levels – as the property shortage continues to drive values higher.

New forecasts by the Centre for Economics and Business Research (CEBR) predict a 4.4pc rise in 2017, the lowest level since 2013 and significantly below the increases of 6pc to 8pc seen in the intervening years.

The think-tank's economists attribute the slowdown to a combination of par rises failing to keep up with inflation as economic uncertainty over the Brexit vote weighs and higher levies on property such as increased stamp duty on second homes.

	Average UK house price (£)	Year-on-year change
2010	169,000	5.7%
2011	166,000	-1.5%
2012	167,000	0.4%
2013	171,000	2.6%
2014	185,000	8.0%
2015	196,000	6.0%
2016	211,000	7.5%
2017	220,000	4.4%
2018	229,000	4.1%
2019	242,000	5.7%
2020	256,000	6.0%
2021	272,000	6.1%

*Source: ONS, Cebr analysis*

Source: Tovey A (2017) 'House prices on the rise despite Brexit fears', *The Telegraph*, Property and Construction [online], 6 April. Available at <http://www.telegraph.co.uk/business/2017/04/05/house-prices-rise-despite-brexite-fears/> [accessed 11 May 2017]

However, over the following years worries are set to ease with the average UK home expected to be worth £272,000 by 2021.

A fundamental driver behind the rise is the country's continuing property shortage, with the CEBR pointing out the government's own white paper on housing states that 40pc of local planning authorities say they do not know how they will meet local housing demand over the next decade.

By other measures the market is proving buoyant, with the mortgage approvals – a leading indicator for the health of the market – at just below 70,000 a month, close to the post-crisis high of 74,000 in 2014.

Interest rates at record lows introduced in the wake of financial crisis and then further reduced by the Bank of England in the wake of the EU referendum to just 0.25 pc have also helped prop up the market, by holding down the cost of mortgage repayments.

"Already towards the end of 2016 indicators have pointed to a stabilization in the housing market, a trend which has continued in the first months of 2017," said economist Kay Daniel Neufield, who produced the CEBR report. "Transaction numbers are slowly recovering from the introduction of a stamp duty surcharge on second homes in April 2016, which has led to considerable distortions in the market. Mortgage approvals, while still low by historical standards, are nearing post-crisis heights, boosted by low interest rates and favourable borrowing conditions."

The economist warned that risks to house prices rises remain, with rising inflation and stagnating wage growth two of the key concerns.

There will result in the relatively low price rise this year (see publication date) and an increase of just 4.1pc in 2018, before climbing back to between 5.7pc and 6.1pc in the following years.

Tovey A (2017) 'House prices on the rise despite Brexit fears', *The Telegraph*, Property and Construction [online], 6 April. Available at <http://www.telegraph.co.uk/business/2017/04/05/house-prices-rise-despite-brexite-fears/> [accessed 11 May 2017]

From this above mentioned web-link you can also gain further information about **Bank of England; Interest rates; Planning; Mortgages; House prices; Housing market; Pound; Inflation; Brexit; Property and construction industry; and Stamp duty.**

[Back to top](#)

## [Homegrown talent vital to post-Brexit Britain's construction sector, says NFB](#)

As Prime Minister Theresa May officially triggers Article 50 signalling the start of the official process for the UK to leave the European Union (EU), the emphasis now must be on encouraging more homegrown talent into the construction industry, says the National Federation of Builders (NFB).

The letter for beginning Brexit was delivered to European Council president Donald Tusk today in what May deemed an “historic moment from which there can be no turning back”.

The UK will have two years to negotiate a comprehensive exit agreement with the EU which will, among other things, regulate the UK’s access to the single market. The UK will officially leave the EU on March 29, 2019, regardless of whether an exit deal has been agreed or not.

The National Federation of Builders (NFB) believes that securing an inclusive exit deal with the EU is fundamental to a prosperous future for the UK’s construction industry.

With 35,000 new workers needed each year to cope with current demand, and just 20,000 apprenticeships started in 2015, the industry faces a shortage of skilled workers that needs to be addressed.

The Government should work towards an exit deal that helps the industry encourage more British people to undertake construction careers, whilst also adopting a flexible regime for construction workers once Britain has left the EU.

Richard Beresford, chief executive of the NFB, said: “The construction industry is undergoing a major skills crisis and remains heavily reliant on skilled workers from the EU, who make almost 10 per cent of all construction workers in the UK.

“That is why we need to foster home-grown talent and attract more people from all backgrounds to join a career in construction”.

Builder&Engineer (2017), ‘Homegrown talent vital to post-Brexit Britain’s construction sector, says NFB’ [online]. Further information is available at <http://www.builderandengineer.co.uk/news/homegrown-talent-vital-post-brexit-britains-construction-sector-says-nfb> [accessed 8 May 2017], *Builder&Engineer*, 29 March

[Back to top](#)

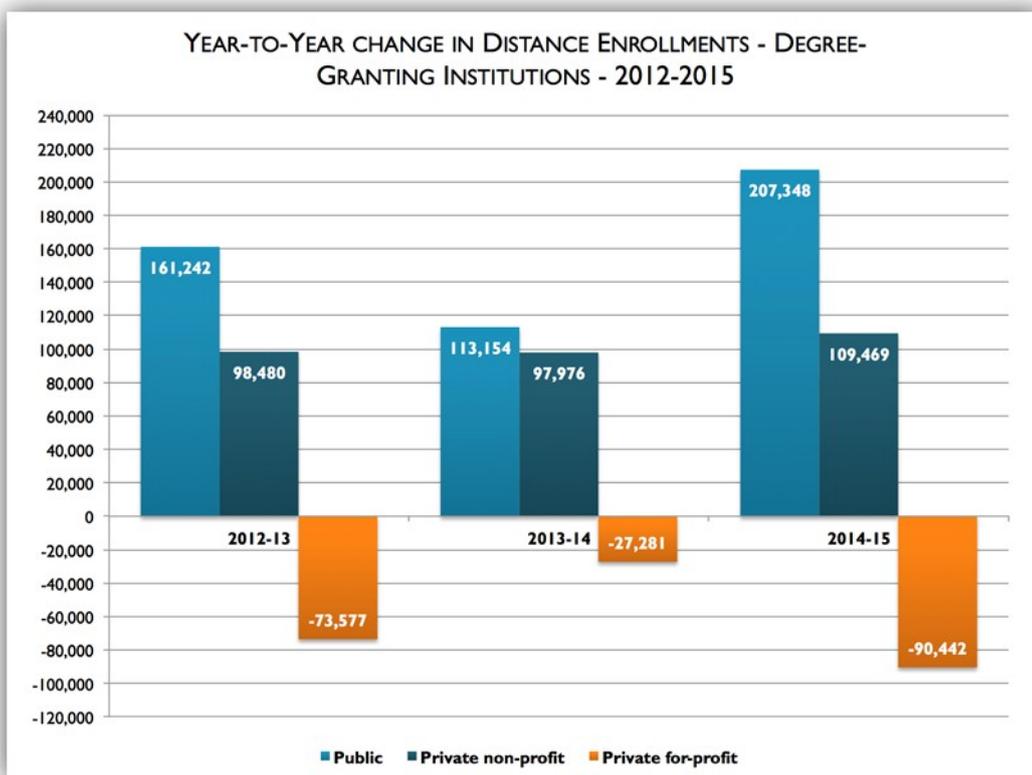
## **Digital Learning Compass: Distance Education Enrollment Report 2017**

- New Study: Over 6 Million Students Now Enrolled in Distance Education

The Distance Education Enrollment Report 2017, produced by Digital Learning Compass, in partnership with OLC, Pearson and Tyton Partners, points to continued growth in distance education, even as overall higher education enrollments decline.

### **Key report findings include:**

- The number of higher education students taking at least one distance education course topped 6 million in 2015.
- A year-to-year increase of 226,375 distance education students represents a 3.9% increase over the previous two years.
- More than one in four students (29.7%) now take at least one distance education source (a total of 6,022,105 students).
- Public institutions command the largest portion of distance education students, with 67.8% of all distance students.
- Large enrollment drops among for-profit institutions were drive by a few of the largest institutions; the majority of for-profit grew their distance enrollments
- The number of students studying on a campus has dropped by almost one million (931,317), between 2012 and 2015.



Source: OLC (2017) The Distance Education Enrollment Report 2017 [online].  
 Available at <https://onlinelearningconsortium.org/read/digital-learning-compass-distance-education-enrollment-report-2017/> [accessed 8 May 2017]

Access to the full report, graphs and press release are available at:  
 Online Learning Consortium (2017) *The Distance Education Enrollment Report 2017* [online]. Available at <https://onlinelearningconsortium.org/read/digital-learning-compass-distance-education-enrollment-report-2017/> [accessed 8 May 2017]

[Back to top](#)

## [Home Builders Federation \(HBF\) Reports and Housing Calculator](#)

The impact of the housing crisis is now being truly understood at both local and national level with considerable focus now on political parties' policies for addressing the chronic shortage of housing that has developed over several decades.

HBF Reports and Housing Calculator provided within the below mentioned website incl.

- Maximising the private sector's contribution to solving our housing undersupply crisis – Following Greg Clark MP's appointment as Secretary of State for Communities and Local Government, HBF submitted a policy paper, *Maximising the private sector's contribution to solving our housing undersupply crisis* which outlined a series of recommendations and areas requiring immediate attention by the new Secretary of State (see below mentioned publication date).
- Solving England's housing supply crisis – To read a more in-depth overview of the conditions required to dramatically increase the level of private house building and HBF's suggestions on how to achieve this.
- Economic Footprint of House Building in the UK – To help inform our activity at the General Election and beyond, in early 2015 HBF commissioned Nathaniel Lichfield & Partners to conduct an extensive analysis of the economic and social benefits associated with house building, and the
- **Housing Calculator** – Estimate the potential benefits of increasing house building.

Home Builders Federation (HBF), Policy and Activities, HBF Reports and Publications [online]. Further information is available at <http://www.hbf.co.uk/reports/> [accessed 8 May 2017]

[Back to top](#)

## Access to The Joseph Rowntree Foundation’s latest research reports and comments relating to policy and practice

- The Joseph Rowntree Foundation is an independent organisation working to inspire social change through research, policy and practice.

Their vision is for a prosperous UK without poverty where everyone can thrive and contribute. To achieve this, they work in partnership with private, public and voluntary sectors, as well as with individuals and communities. Using evidence and experience, they search for the underlying causes of social problems and demonstrate practical solutions in order to influence lasting change.

They **search** out the underlying causes of poverty and disadvantage, and identify solutions – through research and learning from experience.

They **demonstrate** solutions – developing and running services, managing land and buildings, and supporting innovation.

They aim to **influence** positive and lasting change – publishing and promoting evidence, and bringing people together to share ideas.

Their website is broken down into

Cities, Towns and Neighbourhoods covering:	Housing covering:	Income and Benefits covering:	People covering:	Society covering:	& Work covering:
Cities	Affordable housing	Debt	Active citizenship	Ageing society	Employment
Climate change	Care homes	Food	Ageing population	Austerity	Equality
Devolution	Home ownership	Living standards	Carers	Civic participation	Forced labour
Economic Development and Local Growth	Homelessness	Living wage	Child poverty	Crime / Anti-social behaviour	Labour markets
Flooding	Housing regeneration	Minimum income standards	Children	Faith and religion	Low pay
Loneliness	Housing market	Pay	Dementia	Government	Retirement
Neighbourhoods	Housing providers	Pensions	Disabled people	Immigration	Skills
Planning	Private rented sector	Personal Finance	Divorce / Family breakdown	Local government	Volunteering
Public Spaces	Retirement housing	Tax	Drugs / Alcohol	Localism	Working with employers
Regeneration	Social housing	Unemployment	Education	Riots	
Services and local government	Tenant participation	Universal credit	Ethnicity	Slavery	
Transport	Tenants		Gender	Social exclusion	
			Independent living	Voluntary sector	
			Lone parents		
			Mental health		
			Migration		
			Older people		
			Sexuality		
			Social care		
			Young people		

Joseph Rowntree Foundation website, About us [online]. Further information is available at <https://www.jrf.org.uk/about-us> [accessed 8 May 2017]  
[Back to top](#)

## New research centre to inform UK housing policy

- Joseph Rowntree Foundation (JRF), the Economic and Social Research Council and the Arts and Humanities Research Council announce the launch of the new UK Collaborative Centre for Housing Evidence (CaCHE)

Brian Robson, Policy and Research Manager for housing at the independent Joseph Rowntree Foundation said: "The UK's housing crisis has led to rising poverty and insecurity. But housing policy is also central to ensuring everyone in the UK can achieve a decent and secure standard of living. To stop high housing costs from driving down standards of living, we need a specific focus on evidence-based policies to make the market work for people on low incomes. I'm delighted JRF has been able to contribute to the establishment of this independent centre of expertise, with a presence in all four UK nations; and that consideration of the closer links between housing and poverty will run throughout its work."

Further information is available at

ESRC – Economic and Social Research Council (2017) *New research centre to inform UK housing policy* [online]. Available at <http://www.esrc.ac.uk/news-events-and-publications/news/news-items/new-research-centre-to-inform-uk-housing-policy/> [accessed 8 May 2017], and

Joseph Rowntree Foundation (JRF), 6<sup>th</sup> April (2017), *New research centre to inform UK housing policy* [online], Joseph Rowntree Foundation. Available at <https://www.jrf.org.uk/press/new-research-centre-inform-uk-housing-policy> [accessed 8 May 2017]

[Back to top](#)

### Related Link:

## Housing policy needs to be based on evidence, not politicians' whims

-UK politicians have a track record of making policy based on assumptions about how things work, rather than real research, as this article explains

Basing policy decision on the careful use of rigorous evidence is not exactly rocket science, you might think, but it is something on which UK politicians do not have a good track record, and housing policy is no exception.

Take the help-to-buy policy **introduced in 2013 by George Osborne**. There was little evidence to support the assumption that the UK housing market would be able to build the increased number of homes that greater demand would require. In fact there is evidence that the UK housing market's supply-side is much less responsive to increased demand than, for example, most of our European neighbours or the US house-building industry.

The result was a **shortfall in housing supply**.

Similarly, when policymakers **introduced changes to benefits as part of the spare room subsidy** they held beliefs about the speed at which affected households would be able to downsize – but **the evidence that then came in proved those beliefs wrong**.

The recent **housing white paper** in England demonstrates that the government and the housing minister do now seem more in tune with the realities of the housing market – particularly in terms of the shift of emphasis on the basis of what policymakers hope might happen and their assumptions about how things work rather than what the evidence is actually saying.

Some of this is about the need for more research and bringing the academic and professional worlds closer together. We also need to understand what the housing sector believes are the most pressing evidence gaps then fill them – fundamental questions about the relationship between the economy and housing and also a greater understanding of housing's impact on health services, education and aspirations.

To make this happen, the author of this article Ken Gibb who is Professor of housing economics at the University of Glasgow is leading a new, five-year housing research centre with funds of more than £7.5m from the Economics and Social Research Council, Joseph Rowntree Foundation and the Arts and Humanities Research

Council. It will bring together nine universities and professional organisations like the Chartered Institute of Housing with the aim of producing robust evidence to inform housing policy.

The Collaborative Centre for Housing Research will be separate from government, with staff located at five hubs across the UK in Glasgow, Sheffield, London, Cardiff and Belfast. More than 200 researchers will be involved in the project, either as research investigators or contributors, and it will fund up to 10 PhDs in the first year. They'll initially focus on six overlapping areas, including supply and demand, poverty, and neighbourhoods. We want to provide robust evidence to inform housing policy and practice across the UK, and assist in tackling housing problems at a national, devolved, regional, and local level.

To paraphrase Donald Rumsfeld, we need to shift from designing policies in an evidence-free world where we don't know what we don't know, to identifying the known unknowns, and, ultimately, designing housing policy based on what we do actually know.

*Ken Gibb is professor of housing economics at the University of Glasgow and director of the new Collaborative Centre for Housing Research.*

From this web-link you can also gain further information about **Social housing / Communities / Public services policy** and The Guardian **Housing Network**

Gibb Prof. K (2017) 'Housing policy needs to be based on evidence, not politicians' whims', *The Guardian* [online], 9 May. Available at <https://www.theguardian.com/housing-network/2017/may/09/housing-policy-evidence-politicians-research-centre> [accessed 9 May 2017].

#### **Related Links:**

Jones R (2013) 'Budget 2013: Osborne offers homebuyers Help to Buy', *The Guardian* [online], 20 March. Available at <https://www.theguardian.com/money/2013/mar/20/budget-2013-osborne-offers-homebuyers-help-to-buy> [accessed 9 May 2017]

Osborne H (2014) 'UK house-building crisis – and how to solve it', *The Guardian* [online], 19 May. Available at <https://www.theguardian.com/business/2014/may/19/savills-warns-uk-housing-crisis-shortage-new-homes> [accessed 9 May 2017]

GOV.UK (2013) Department for Work and Pensions, Part of: Welfare reform (Last updated: 18 September 2014), *Collection: Local authorities and advisers: removal of the spare room subsidy* [online]. Available at <https://www.gov.uk/government/collections/local-authorities-removal-of-the-spare-room-subsidy> [accessed 9 May 2017]

Butler P (2014) 'Bedroom tax: one in seven households 'face eviction'', *The Guardian* [online], 12 February. Available at <https://www.theguardian.com/society/2014/feb/12/bedroom-tax-households-eviction-rent-arrears> [accessed 9 May 2017]

GOV.UK (2017) Department for Communities and Local Government, Part of: House building, *Collection: Housing white paper* [online]. Available at <https://www.gov.uk/government/collections/housing-white-paper> [accessed 9 May 2017]

[Back to top](#)

## **UK Property Research – Savills latest research incl.**

### **Residential Research**

#### **Market in Minutes: UK Residential Development Land – May 2017**

- Rising demand for land in regional cities

- Regional cities are seeing increasing land values as demand for sites grows. Land within Birmingham, Manchester and Glasgow is in high demand with urban land values growing by 15% or more over the last year. Build to Rent, regeneration and infrastructure improvements are at the heart of the growth.
- Competition for land is increasing in the Midlands as South East based housebuilders expand into these strengthening markets.

- Within London, demand for land is strongest where new build values are less than £1,000 per square foot. New housing supply above £700 per square foot is forecast to meet demand over the next five years but those with values lower than £500 per square foot will continue to be the most undersupplied.
- Land in central London is in lower demand as fewer prime residential sites are starting and occupier demand for office space remains uncertain.

Further information and access to the research in full is available @

Greenwood L, 4 May 2017, Savills, Research and articles, *Market in minutes: UK Residential Development Land* [online]. Available at [http://www.savills.co.uk/research\\_articles/141285/216899-0](http://www.savills.co.uk/research_articles/141285/216899-0) [accessed 8 May 2017]

[Back to top](#)

## **Commercial Research**

### **UK Shopping Centre and High Street Spotlight – Q1 2017**

- 2017 is expected to be a challenging year for retailer's margins. Import and operational costs are all experiencing upward pressures

#### **Summary**

- While the current level of retail sales growth remains robust, we question whether shoppers can continue to spend at this level by dipping into their savings or taking on more unsecured debt.
- In the occupational market there are signs that retailers are becoming increasingly cautious about expansion. Retailer's margins are likely to remain under rising pressure over the next quarter as import inflation rises.
- We are moderately optimistic about the remainder of the year for the shopping centre investment market. While the volume of transactions in Q1 was lower than average, there is a lot of stock being prepared for sale. Rising yields away from the primmest end of the market may well attract some more opportunistic buyers into this sector.
- The investor base in the high-street shop market has definitely broadened Private investor demand for the best of the best remains strong, and we definitely expect to see more institutional competition at this end of the market in the remainder of 2017.

Further information and access to the research in full is available @

Oakley M, 2 May 2017, Savills, Research and articles, *UK Shopping Centre and High Street Spotlight* [online]. Available at [http://www.savills.co.uk/research\\_articles/173549/216552-0](http://www.savills.co.uk/research_articles/173549/216552-0) [accessed 8 May 2017]

[Back to top](#)

## **Related Link**

### **Key themes in UK Real Estate 2016/17**

Articles from '*Key Themes in UK Real Estate 2016/17*' include

- A question of risk and return – Political and economic uncertainties will dictate the patterns of property investment over the next five years
- **What are the top picks for 2017 – Leading Savills experts, across all sectors, select top picks for the forthcoming year**
- Commercial – Mat Oakley's six key themes for 2017 and beyond
- Residential – Lucian Cook's six key themes for 2017 and beyond
- Rural – Giles Hanglin's six key themes for 2017 and beyond

Ridley, M., 6 December 2016, Savills, Research and articles, *Key themes in UK Real Estate* [online]. Available at [http://www.savills.co.uk/research\\_articles/141282/211676-0](http://www.savills.co.uk/research_articles/141282/211676-0) [accessed 8 May 2017]

**Related Link – Video: Cross Sector Research:** Lucian Cook, Mat Oakley and Ian Bailey discuss what will be happening in the UK real estate market over the next twelve months [online]. Further information is available at <http://www.savills.co.uk/research/uk/rural-research.aspx> [accessed 8 May 2017]

[Back to top](#)

**Access to the House of Commons Library, Research briefings that impact on our industries incl.**

### **[The Construction Industry: statistics and policy](#)**

**- Key statistics on the construction industry – employment, new orders, output. Also construction sector policy initiatives.**

In 2014 the construction industry in the UK contributed £103 billion in economic output, 6.5% of the total.

2.1 million jobs or 6.25 of the UK total were in the construction industry in Q 2015.

The construction industry, particularly house building, fared badly during the recession. Output in the construction sector fell faster than the whole economy in 2008. 2009 saw the sector recover faster than the economy as a whole, and 2010 and 2011 saw broadly flat growth, followed by another contraction in 2012 and partial recovery through 2013.

The Coalition Government's strategy paper on the construction industry is *construction 2025*, published in July 2013.

The construction industry was also highlighted in the March 2011 *Plan for Growth*.

Rhodes C (2015), *Construction industry: statistics and policy*, House of Commons Library, Briefing Paper Number 01432, 6 October 2015 [online] and available at

<http://researchbriefings.parliament.uk/ResearchBriefing/Summary/SN01432> [accessed 8 May 2017]

[Back to top](#)

**Related Links/Source of further information –**

### **Latest research briefing papers from the House of Commons Library**

The House of Commons Library produces research briefing which provide in-depth and impartial analysis of all major pieces of legislation, as well as many areas of policy, or cover frequently asked questions and topical issues.

The following might be of interest as they impact on our industries:

- Under **Housing and planning 2016/2017** -

**Brexit: a reading list of post-EU Referendum publications by Parliament and the Devolved Assemblies** [2 May 2017]. Further information is available at

<http://researchbriefings.parliament.uk/ResearchBriefing/Summary/CBP-7912> [accessed 9 May 2017]

**Tackling the under-supply of housing in England** [26 April 2017]. Further information is available at

<http://researchbriefings.parliament.uk/ResearchBriefing/Summary/CBP-7671> [accessed 9 May 2017]

**Housing supply for local authorities (England)** [20 April 2017]. Further information is available at

<http://researchbriefings.parliament.uk/ResearchBriefing/Summary/CBP-7796> [accessed 9 May 2017]

**Stimulating housing supply – Government initiatives (England)** [18 April 2017]. Further information is available at <http://researchbriefings.parliament.uk/ResearchBriefing/Summary/SN06416> [accessed 9 May 2017]

**Housing Market: Key Economic Indicators** [12 April 2017]. Further information is available at

<http://researchbriefings.parliament.uk/ResearchBriefing/Summary/SN02820> [accessed 9 May 2017]

**A short history of rent control** [30 March 2017]. Further information is available at

<http://researchbriefings.parliament.uk/ResearchBriefing/Summary/SN06747> [accessed 9 May 2017]

**The regulation of letting and managing agents (England)** [16 February 2017]. Further information is available at

<http://researchbriefings.parliament.uk/ResearchBriefing/Summary/SN06000> [accessed 8 May 2017]

**Planning reform in the housing white paper** [8 February 2017]. Further information is available at

<http://researchbriefings.parliament.uk/ResearchBriefing/Summary/CBP-7896> [accessed 8 May 2017]

**House prices (UK): Social Indicators page** [21 December 2016]. Further information is available at <http://researchbriefings.parliament.uk/ResearchBriefing/Summary/SN02645> [accessed 8 May 2017]

**Housebuilding (UK): Social Indicators page** [1 November 2016]. Further information is available at <http://researchbriefings.parliament.uk/ResearchBriefing/Summary/SN02644> [accessed 8 May 2017]

**Leasehold and Common Hold Reform** [21 December 2016]. Further information is available at <http://researchbriefings.parliament.uk/ResearchBriefing/Summary/SN02645> [accessed 8 May 2017]

**What is affordable housing?** [17 November 2016]. Further information is available at <http://researchbriefings.parliament.uk/ResearchBriefing/Summary/CBP-7747> [accessed 8 May 2017]

**The New Homes Bonus Scheme (England)** [29 December 2016]. Further information is available at <http://researchbriefings.parliament.uk/ResearchBriefing/Summary/SN05724> [accessed 8 May 2017]

**Overcrowded housing (England)** [14 November]. Further information is available at <http://researchbriefings.parliament.uk/ResearchBriefing/Summary/SN01013> [accessed 8 May 2017]

- **Under Energy and environment 2016 –**

**Brexit: a reading list of post-EU Referendum publications by Parliament and the Devolved Assemblies** [2 May 2017]. Further information is available at <http://researchbriefings.parliament.uk/ResearchBriefing/Summary/CBP-7912> [accessed 9 May 2017]

**Brexit Glossary** [13 March 2017]. Further information is available at <http://researchbriefings.parliament.uk/ResearchBriefing/Summary/CBP-7840> [accessed 9 May 2017]

**Household flood insurance** [4 April 2017]. Further information is available at <http://researchbriefings.parliament.uk/ResearchBriefing/Summary/SN06613> [accessed 9 May 2017]

**The Renewable Heat Incentive** [3 April 2017]. Further information is available at <http://researchbriefings.parliament.uk/ResearchBriefing/Summary/SN06328> [accessed 9 May 2017]

**Flood risk management and funding** [9 December]. Further information is available at <http://researchbriefings.parliament.uk/ResearchBriefing/Summary/CBP-7514> [accessed 8 May 2017]

**The weather in the home countries** [12 October]. Further information is available at <http://researchbriefings.parliament.uk/ResearchBriefing/Summary/SN04319> [accessed 8 May 2017]

**Archive:**

- **Housing Market: Key Economic Indicators** [16 November]. Further information is available at <http://researchbriefings.parliament.uk/ResearchBriefing/Summary/SN02820> [accessed 8 May 2017]
- **Implementation of Sustainable Development Goals** [April, 2016] [online]. Further information is available at <http://researchbriefings.parliament.uk/ResearchBriefing/Summary/CDP-2016-0080> [accessed 8 May 2017]
- **Flood insurance** [April, 2016] [online]. Further information is available at <http://researchbriefings.parliament.uk/ResearchBriefing/Summary/SN06613> [accessed 8 May 2017]
- **Planning: change of use** [30 March 2016] [online]. Further information is available at <http://researchbriefings.parliament.uk/ResearchBriefing/Summary/SN01301> [accessed 8 May 2017]
- **Planning Reform Proposals** [30 March 2016] [online]. Further information is available at <http://researchbriefings.parliament.uk/ResearchBriefing/Summary/SN06418> [accessed 8 May 2017]
- **House Prices: Social Indicators** [March, 2016] [online]. Further information is available at <http://researchbriefings.parliament.uk/ResearchBriefing/Summary/SN02645> [accessed 8 May 2017]
- **Enterprise Zones** [17 March 2016] [online]. Further information is available at <http://researchbriefings.parliament.uk/ResearchBriefing/Summary/SN05942> [accessed 8 May 2017]
- **Neighbourhood Planning** [14 March 2016] [online]. Further information is available at <http://researchbriefings.parliament.uk/ResearchBriefing/Summary/SN05838> [accessed 8 May 2017]

*Source:* The above mentioned research briefings/papers are published on the Parliament **website** and are available to MPs and to members of the public, [www.parliament.uk](http://www.parliament.uk), Parliamentary business, Publications and records, **Research briefings** [online]. Further information is available at <http://researchbriefings.parliament.uk/> [accessed 8 May 2017]

- This page provides access to research briefings produced by the House of Commons Library, the House of Lords Library and the Parliamentary Office of Science and Technology (POST). You can filter the research briefings by date, type, or one of 350 topics. Pick your options from the dropdown menus provided.

#### Related Link:

Source: Heritage Update e-Bulletin [online], Issue **No 322**, 29 April 2016, The Heritage Alliance. Available at: <http://www.theheritagealliance.org.uk/heritage-update> [accessed 8 May 2017]

Heritage Update: **the online edition** of the fortnightly e-bulletin [online] and available at <http://www.theheritagealliance.org.uk/update/> [accessed 8 May 2017]

[Back to top](#)

### **CIOB (Chartered Institute of Building) portal on government policy – Policy latest**

The quality of the built environment affects every member of society. As a professional body that represents the leaders and managers who work at every stage of the lifecycle of a construction project, the Chartered Institute of Building seek to influence government, industry, and other stakeholders around the world with the aim of promoting the construction management discipline and addressing the challenges that the sector faces.

Sections of the CIOB Policy and Public Affairs website incl.

- **Consultations** - view latest responses to government and industry consultations and committees
- **Research** – The CIOB carry out industry-leading research on topics such as professionalism, migration and productivity
- **Resources** – Navigate the vast array of government documentation
- **Press** – Here you will find blog posts, CIOB media mentions and all the latest news.

As of 25 April 2017, Policy latest incl.

- **CIOB Manifesto – Building the Case for Construction** (see below)
- **CIOB response: Industrial Strategy green paper** (see below)
- **CIOB and Stronger Together launch toolkit to help construction industry tackle modern slavery** (see below), and
- **Social Mobility and Construction: Building routes to opportunity** (previously covered in this eBulletin)

Source: CIOB - Chartered Institute of Building's Policy and Public Affairs website [online]. Further information is available at <http://policy.ciob.org/> [accessed 8 May 2017]

[Back to top](#)

### **CIOB Manifesto – Building the Case for Construction**

#### Summary

- In advance of the 2017 General Election, the CIOB has produced a short manifesto outlining five interlinked policy proposals for prospective parliamentary candidates and the next Government to consider.

The five aims outlined in the CIOB's *Building the case for Construction* manifesto are as follows:

- Continue support for the Industrial Strategy and recognise construction's role in improving productivity
- Work alongside the construction industry to support a robust system for training and skills development
- Recognise and address both the opportunities and risks that Brexit will bring
- Ensure quality is at the heart of the nation's construction programme
- Focus on regional investment in construction to rebalance the UK economy

The CIOB will be writing to prospective parliamentary candidates from all the political parties urging them to consider the important of the built environment both at a local and national level.

Further information and link to the CIOB Manifesto to read online and download is available at

Source: Barnes D (2017), 'CIOB Manifesto – Building the Case for Construction' [online], CIOB Policy & Public Affairs Portal, 11 May 2016. Available at: <https://policy.ciob.org/resources/ciob-manifesto-building-case-construction/> [accessed 8 May 2017]

**Linked News: Building the case for construction ahead of the 2017 General Election – Introduction** [online]. Available at <https://policy.ciob.org/building-case-construction-ahead-2017-general-election-introduction/> [accessed 25 May 2017]

[Back to top](#)

### **CIOB response: Industrial Strategy green paper**

The Department for Business, Energy & Industrial Strategy (BEIS) is seeking views on the Government's approach to building a modern industrial strategy. The consultation document sets out ten pillars for achieving this and CIOB will seek to provide a response that delves into construction's role in driving each of these.

The CIOB response welcomes the introduction of an industrial strategy, highlights the need for focus on the construction sector and evidences how it can be used more effectively as an enabler of wider-growth.

**Related Links** provided to:

*CIOB response to the BEIS Green Paper on Building our Industrial Strategy*, and  
*BEIS, Building our Industrial Strategy Green Paper*, January 2017

Further information and access to 'CIOB comment: Housing white paper beings to challenge status quo' is available via the following:

Barnes D (2017) 'CIOB response to BEIS Green Paper on Building our Industrial Strategy' [online], CIOB Policy & Public Affairs Portal, 17 April 2017. Available at <https://policy.ciob.org/consultations/consultation-building-industrial-strategy-beis/> [accessed 8 May 2017]

[Back to top](#)

### **Press Release: CIOB and Stronger Together launch toolkit to help construction industry tackle modern slavery**

- A best practice toolkit to help the construction industry tackle modern slavery in its global supply chains has been launched (on 16 February 2017) by the CIOB and industry alliance Stronger Together. This new guidance can be downloaded for free from

CIOB and industry alliance Stronger Together (2017), *Stronger Together: tackling modern slavery in supply chains* [online]. Further information is available at [www.stronger2gether.org/construction/](http://www.stronger2gether.org/construction/) [accessed 8 May 2017],

and will help construction businesses shape their response to this problem in their operations and across their global supply chains.

#### **Summary**

Described by the UK Prime Minister Theresa May as "the great human rights issues of our time", it is estimated that there are over 45 million people subject to modern slavery in the world today [1]. This new guidance from the CIOB and Stronger Together, which can be downloaded for free from the above-mentioned link, will help construction businesses shape their response to this problem in their operations and across their global supply chains. The toolkit is part of a specialist, in-depth industry programme supporting construction companies in tackling modern slavery. The programme will provide the construction sector and its clients with practical resources and training based on the UN Guiding Principles on Business and Human Rights framework and help businesses to comply with the UK Modern Slavery Act requirements.

Although no respectable business would choose to be associated with human rights abuses and exploitation, they often infiltrate and remain hidden in supply chains. With its fragmented supply chain, covering raw material production, manufacturing and site labour, alongside opaque procurement processes and high demand for migrant labour, the construction sector is highly vulnerable to modern slavery.

The programme follows on from a CIOB report launched in July 2016, *Building a fairer system: tackling modern slavery in construction supply chains*, which examined how workers are abused in ways such as forced or bonded labour, later payment, unsanitary living conditions, unfair deductions from wages, withheld passports, loss of freedom of movement, lack of representation, violence, intimidation and physical abuse.

The UK Modern Slavery, which came into force in 2015, requires UK organisations with a turnover of more than £36 million to publicly report on how they are dealing with human rights issues in their supply chains.

Source: Hawkes D. (2017), 'Press Release: CIOB and Stronger Together launch toolkit to help construction industry tackle modern slavery' [online], CIOB Policy & Public Affairs Portal, 16 February 2017. Available at: <https://policy.ciob.org/ciob-stronger-together-launch-toolkit-help-construction-industry-tackle-modern-slavery/> [accessed 8 May 2017]

**Linked Research:** *Building A Fairer System: Tackling modern slavery in construction supply chains* (previously covered in this eBulletin)

Crates E. (2016), 'Building a Fairer System: Tackling modern slavery in construction supply chains' [online], CIOB Policy & Public Affairs Portal, 13 July 2016. Available at <https://policy.ciob.org/research/building-fairer-system-tackling-modern-slavery-construction-supply-chains/> [accessed 8 May 2017]

[Back to top](#)

## Apprenticeships -

### [Launch of Apprenticeship Levy and focus on training will 'safeguard' construction, says developer Crest Nicholson](#)

Housebuilder Crest Nicholson has welcomed, on 6 April 2017, the launch of the Apprenticeship Levy and says it is confident that a greater emphasis on apprenticeships will address the construction industry's skills shortage and help "safeguard" the future of the sector.

With the Government committed to delivering three million apprenticeships and one million new homes by 2020, the levy is seen as the biggest shake-up of skills for a generation.

There was a record 900,000 apprentices in 2016 and the levy will ensure that employers across all sectors "focus on providing quality structured career development and clear career pathways for young adults seeking an apprenticeship," said Stephen Stone, Crest Nicholson's chief executive.

The levy requires all employers in the UK with an annual wage bill of more than £3 million to pay 0.5 per cent of it towards funding apprenticeships.

The money will be invested in training for apprentices and double the annual investment in apprenticeships in England to £2.5 billion by 2019 to 2020, compared with 2010 to 2011 levels.

The levy will encourage employers to invest in high-quality apprenticeships ensuring even more people have a chance to reach their full potential.

Smaller employers with fewer than 50 employees that take on apprentices aged between 16 and 18 will have 100 per cent of their training costs paid for.

Earlier in 2017, developer Crest Nicholson announced 35 new apprenticeships for 2017 – including its first-ever degree apprenticeship in quantity surveying – and working with the Homebuilding Skills Partnership, the House Builders Federation and the Construction Industry Training Board is helping more apprentices and graduates into the industry.

"greater industry focus and campaigning must be placed on providing younger adults with the benefits that a career in new homebuilding can bring and understanding how our industry is competing with other industries to attract the attention of thousands of school, college and university students throughout the UK," said Stone, adding: "It falls to housebuilders to ensure the future of the industry is safeguarded."

Building an apprenticeship and skills nation is essential in ensuring the UK has the homegrown workforce it needs post-Brexit, says skills minister Robert Halfon.

"There has never been a more important time for Britain to invest in the skills of our people and businesses. To make Britain stronger and fairer, we need to make sure that everyone gets the chance to climb the ladder of opportunity to gain the education and skills they need to be successful in life.

“Out apprenticeship levy is a massive part of this. More than 90 per cent of apprentices go into work or further training, and the quality on-the-job training on offer will make sure we have the people with the skills, knowledge and technical excellence to drive our country forward.”

Further information is available at:

Source: Builder&Engineer (2017), ‘Launch of Apprenticeship Levy and focus on training will ‘safeguard’ construction, says developer Crest Nicholson’ [online], and available at:

<http://www.builderandengineer.co.uk/news/launch-apprenticeship-levy-and-focus-training-will-safeguard-construction-says-developer-crest-> [accessed 8 May 2017], *Building&Engineer*, 6 April.

[Back to top](#)

## **Apprenticeship levy: making the most of it**

- In this article the author James Grinnell, from construction consultancy Currie & Brown discusses what companies need to consider when forming a strategy to spend their apprenticeship levy funds – and shares insight into how this company formed its new apprenticeship scheme.

As many will be aware, the apprenticeship levy requires companies with an annual payroll of £3m or more to invest 0.5% of their total payroll in apprenticeships. The Department of Education has set a target of training three million new apprentices by 2020, and payments into the levy began on 6 April 2017.

While many businesses operating in the construction and property industries have been investing in apprenticeships for a while, for some, the introduction of the levy will have provoked the considering of taking on an apprentice for the very first time.

### **Can apprenticeships really benefit your business?**

For us, apprentices already form an important proportion of our workforce – and we believe in the value of apprenticeships for securing future talent. Others in the industry, however, may not yet have a clear understanding of how apprenticeships can help their business.

When the levy was first announced, one of the initial concerns was that this could bring significant costs for companies. However, it’s important to consider what you’re getting for your money – the cost of bringing in and developing new talent is rising, and opportunities are increasingly rare.

Although we already had a graduate recruitment programme in place at Currie & Brown, we launched an apprenticeship scheme over three and a half ago as many graduates were coming to us without the workplace skills their roles required. When we first launched the scheme we took on nine apprentices, and have recruited a further 15 since and we’re now looking at taking on 10 more apprentices by the end of the year.

While investing in apprentices means that your business is contributing financially to their education and development, the return on investment is vast. Apprentices are essentially fast-tracking their careers by developing skills, learning theory and gaining valuable work experience, while simultaneously progressing to becoming chartered. This is something which is incredibly difficult for a company to buy.

### **Allocating your funds and time**

It’s sometimes difficult to know where to begin when a new government employment initiative is introduced, but there are a number of beneficial ways that companies can utilize the levy. For a start, it provides a great opportunity for businesses to invest even more – both financial and time-wise – in developing and retaining talent.

As the implementation date approached, we had to examine exactly how to adapt our employment strategy. One option is to use the funds to progress existing staff into higher or same level apprenticeships, where they can learn new skills. As well as taking on new apprentices, we will be transitioning some of our employees onto an apprenticeship scheme.

Whether you’ve employed apprentices before or not, it can take a lot of internal time to adapt your processes to make the best use of the levy. To get the most out of your apprentices, you need to dedicate some time to them, for example, providing a support mechanism and ensuring that your apprentices have a mentor to guide their development.

At Currie & Brown, we took the decision to rotate our apprentices around every department so they have a complete understanding of how the company operates.

It's also beneficial to encourage shared learning; our apprentices set up the first ever construction apprentice network, which is now widely used by apprentices wanting to share experiences and insights with each other. It's vital to treat your apprentices like tomorrow's future leaders from day one.

It's also beneficial to encourage shared learning; our apprentices set up the first ever construction apprentice network, which is now widely used by apprentices wanting to share experiences and insights with each other. It's vital to treat your apprentices like tomorrow's future leaders from day one.

### **Choosing the best training provider**

When it comes to choosing a training provider for your apprentices, it pays to partner with one that offers more than just an educational function. When we revisited our strategy in light of the levy, we decided that to get the most value out of our future apprentices we needed to build our scheme around the core skills required.

It was imperative that we worked with an apprenticeship partner that could mould the training to our business goals.

There are many providers out there, but it was an easy decision for us to switch to partnering with **University College of Estate Management (UCEM)**. UCEM has a fantastic reputation within the built environment sector for providing high-quality online education and apprenticeships, and all our programmes are designed with significant input from the industry itself.

The institution also knows the levy inside out, and our account manager, Martin Cawley, has been an invaluable resource for information and recommendations on how we can best utilize our funds.

With UCEM, the process of recruiting apprentices has been made a lot easier than before. It offers an end-to-end apprenticeship management service; helping to source apprentices and support them along the whole journey with progress and learning reviews. This process has saved us a lot of time and money.

Another reason for us switching to UCEM was their flexibility. Almost all of the apprentices' training can be completed online, which means that apprentices based anywhere in the country can participate.

An important aspect for consideration is the qualifications that your apprentices will receive. Training comes at various levels, from A-level equivalent right up to degree level and beyond.

One of the key motives for us partnering with UCEM was that we could map out a programme for our apprentices that takes them all the way through from leaving school to becoming chartered; rather than going through the complexities of working with many different stakeholders to train apprentices at various levels.

Further information incl. **Learning from the levy** can be found at:

CIOB, CM - Construction Manager (2017), Apprenticeship levy: making the most of it, *Construction Manager* [online], 14 May. Available at <http://www.constructionmanagemagazine.com/management/how-curriebrow7n-m8aking-apprenticeship-levy/> [accessed 25 May 2017]

[Back to top](#)

## **Need to know: Apprenticeship levy FAQ**

- Understanding the funding mechanism for training can be a complex affair – so how does the government's new apprentice training levy fit into the equation? Here's what we know so far.

- What is the Apprenticeship Levy?

The Apprenticeship Levy is a new levy introduced by the government on all employers with a pay bill of more than £3m per year. It is intended to encourage employers to invest in apprenticeships, to increase the quality and quantity of apprenticeships across the whole of the economy.

The Levy was announced in the 2015 Summer Budget and will come into force in April 2017 at a rate of 0.5% of an employer's wage bill, paid through PAYE. It is expected to raise £3bn a year by 2020.

- How many construction firms will need to pay the Apprenticeship Levy?

Based on current data, about 1% of employers registered with the Construction Industry Training Board (CITB), about 600 companies will need to pay. However, the apprenticeship reforms will impact on construction employers of all sizes.

- What will employers get back from the Levy?

Employers in England will be able to reclaim their contributions as digital vouchers to pay for apprenticeship training.

This voucher system will not apply in Scotland, Wales and Northern Ireland. The devolved governments in those countries will receive additional funds in proportion to the amount spent on training in England.

Employers that pay the Apprenticeship Levy will also receive a 10% top-up from the government towards their total monthly contributions in England. So, for every £1 an employer pays in, they can draw down £1.10 to spend on apprenticeship training.

Other question raised incl.

- The main details regarding funding
- How will the proposed funding bands work? Will they work for construction?
- What's the co-investment rate?
- What are the new standards going to look like?
- How will the new levy work with the current CITB levy?
- Where can I go for more information?

Further information can also be accessed via

CIOB, CM - Construction Manager (2016), Need to know: Apprenticeship levy FAQ, *Construction Manager* [online], 17 November. Available at <http://www.constructionmanagemagazine.com/management/need-kn6ow-apprenticeship-levy-faq/> [accessed 26 May 2017]

**Related Link:**

CIOB, CM - Construction Manager (2015), **Q&A briefing:** How will the new apprenticeship levy affect the industry? *Construction Manager* [online], 26 November. Available at <http://www.construction-manager.co.uk/news/ne1w-apprenticeship-levy-qa/> [accessed 26 May 2017]

[Back to top](#)

## UCEM Trailblazer Apprenticeship programme for the surveying sector

UCEM is pleased to be working in partnership with the Chartered Surveyors' Training Trust (CSTT) to deliver the new Trailblazer Apprenticeship programmes for the surveying sector. We are partnered with CSTT to deliver both the Level 3 Diploma Apprenticeship (Surveying Technician) and also the Level 6 Degree Apprenticeship (Chartered Surveyor). Qualifications are available in Real Estate, Building Surveying and Quantity Surveying (Consulting).

Further information is available via the UCEM Website [online] and available @ <https://www.ucem.ac.uk/develop-talent-for-your-business/apprenticeships/> [accessed 8 May 2017]

[Back to top](#)

## UCEM Accreditation and recognition

UCEM works closely with the leading professional bodies in the Built Environment to ensure that our programmes provide the knowledge and understanding required to achieve chartered status. These include the Royal Institution of Chartered Surveyors (RICS), the Chartered Institute of Building (CIOB), the Chartered Association of Building Engineers (CABE) and the Chartered Management Institute (CMI). All UCEM bachelor and masters level programmes are formally accredited by at least one of these bodies. Our Foundation Degree Surveying Practice is also recognised by RICS and CABE for Associate membership.

Under the current policy of the Hong Kong Institute of Surveyors (HKIS), graduates of UCEM programmes that are accredited by RICS are permitted to take the Assessment of Professional Competence of HKIS.

Further information can be accessed via the UCEM website [online] and available at: <https://www.ucem.ac.uk/about-ucem/accreditation-recognition/> [accessed 8 May 2017]. [Back to top](#)

## Further information on '[Designing Buildings Wiki](#)' –

### The construction industry knowledge base incl. Featured articles, and news.

**About** – *Designing Buildings Wiki* is the only industry-wide, cross-discipline forum for finding and sharing information. Anyone can create articles about subjects they know and anyone can find articles about subjects they don't.

This month covers **Featured articles** (as of 12 May 2017) on

- Building of the week – Once the 'Tower of Terror', now prime real estate - the remarkable story of Trellick
- **Industry disruption – the future for real estate: the real estate industry as we know it will disappear. Here are 10 reasons why (see below)**
- **Letter of intent – What is a letter of intent and what is it used for?**
- Mixed reality – University of Cambridge says that mixed reality technology could revolutionise the way civil engineers monitor infrastructure
- CPOs for listed buildings – Local authorities are having encouraging experiences issuing compulsory purchase order for listed buildings
- **Work related fatalities – More than 2 million people die at work each year. Here's how to prevent it.**
- Unusual building of the week – Would you get married inside a mirrorball globe? Have a look at this strange wedding venue in Turkmenistan
- Curtain wall systems – What are curtain wall systems? Have a read of our introductory articles
- **Investing in sustainable development – World-renowned academic Jeffrey Sachs writes about why we need to invest for sustainable development**
- Engineers and politics – top 10 tips
- Self-build home – Have a look at our detailed 17-stage project plan for a self-build home
- Micro flats – Rabbit hutches or a positive solution for Generation Rent? Have a look at Uandl's plans for central London micro flats
- Glazing – Have a look at our introductory article on the different types of glazing
- Shaping well-being – Nobel Laureate Daniel Kahneman investigates the shaping of well-being into the future of urban communities
- **Data centre management – Have a look at BSRIA's top 10 tips for efficient data centre management**
- **Sustainable suppliers – Sika adopt six sustainability target indicators which encompass the three traditional pillars of sustainability (see below within the Sustainability Hub)**
- Grand Designs Live – Designing Buildings Wiki was given a private tour of 'Kevin McCloud's 2017 Green Heroes', featuring some innovative sustainable products.
- Novation – Read about the process of novation in our introductory article
- Resilience for disasters – Have a read about two steps towards a more resilient world

This month also contains **news** (as of 12 May 2017) from the following organisations and online journals incl.

- CIC, 12 May – New initiative to support mental health agenda in construction
- Construction Index, 12 May – Brexit Infrastructure Group press for UK to staff in European Investment Bank.
- **Planning Portal, 12 May – Supreme Court issues ruling on National Planning Policy Framework paragraph 49**
- CIOB 2017 manifesto – CIOB release manifesto aiming to build the case for construction ahead of the election
- **5,000 articles – To celebrate reaching 5,000 articles, have a look at the most popular articles in each of 'Designing Buildings Wikis' 32 subject areas. (see below)**
- RICS, 11 May – Lack of choice for new buyers hampering housing market as sale decline.
- Construction Manager, 11 May – Financial pressures ahead as material cost rises outstrip tender prices
- GCR, 11 May – World's second largest offshore wind farm opens in Dutch North Sea.
- CIRIA, 11 May – CIRIA planning a series of events to promote its new guide to detecting defects in bridges

- The Biophilic Office – Can nature in the workplace make us fitter, happier and more productive? A new BRE research project homes to find out.
- My DVA showroom – This new furniture showroom in Brno is clad with 900 plastic seats.
- Wired, 10 May – Elon Musk’s ‘attractive’ solar rood panels go on sale
- RICS, 10 May – New metro mayors are the key to new homes and jobs
- Construction Manager, 10 May – Urgent action needed on indoor air pollution, say doctors
- Construction Index, 10 May – Unite continuing its battle against the blacklisting of certain construction workers
- Development of Hyperloop – 2 hours to 30 minutes – this is what Hyperloop’s technology could do to your commute
- The Guardian, 9 May – Corbyn identifies council housebuilding and regulation of private rented sector as top priorities
- Archdaily, 9 May – The world’s 20 largest architecture firms.
- ICE, 9 May – The first NEC4 training courses are launched
- Construction Enquirer, 9 May – Small contractors have 15% of turnover tied-up in late payments according to new survey
- Torre Americas 1500 – Have a look at this new tower in Guadalajara that stacks offset volumes
- Wired, 8 May – A new printing method by MIT and Steelcase could be the next step from 3D printing.
- The Guardian, 8 May – London rents fall for first time since 2009 amid post-Brexit vote slowdown
- **Construction Manager, 8 May – BIM’s legal stumbling blocks – what you need to know (see below, within the section on BIM)**
- Construction Index, 8 May – Boost for green buildings in Sweden
- **World Economic Form report – New white paper presents articles proposing innovative solutions on how to address the construction sector’s key challenges (see above)**
- The Guardian fails to commit to diesel scrappage scheme in UK clean air plan
- Dezeen, 5 May – Drones will bring “profound change” to architecture and cities, says architect Mark Dytham
- Architizer, 5 May – Have a look at these impressive rooftop pool designs
- Construction Dive, 5 May – Obamas unveil design for \$500m Chicago presidential library
- **RICS, 5 May – Why aren’t there enough homes to go around? (see above)**
- ICE manifesto, Nick Baveystock, ICE Director General, writes about ICE’s manifesto for the upcoming General Election
- UK-GBC announces key manifesto recommendations
- **Construction Manager, 4 May – Can councils meet the housing challenge?**

‘Designing Buildings Wiki’ is an industry-wide, cross-discipline forum for finding and sharing information, covering the following subject areas incl.

<b>‘Designing Buildings Wiki’ categories</b>			
<b>Project Plans</b>	<b>Project activities</b>	<b>Legislation and Standards</b>	<b>Industry context</b>
Building Information Modelling (BIM)	Appointments	Case law	Conservation
Construction manager	Client procedures	Health and safety / CDM	Education
Design and build	Construction management	Other legislations	History

Management contract	Construction techniques	Planning permission	International
Public project	Contracts / payment	Policy	Organisations
Self-build home	Cost / business planning	Property law	Projects and case studies
Traditional contract	Design	Regulations	Publications / reports
	Procurement	Standards / measurements	Research / Innovation
	Products / components	Sustainability	Theory
	Property development	Taxation	
	Public procedures		
	Roles / services		

Source: **Designing Buildings.co.uk Wiki**, (2017) [online]. Further information is available at: <http://www.designingbuildings.co.uk/wiki/Home> [accessed 8 May 2017]

See also -

**Designing Buildings Wiki – Student resources** [online] and available at [https://www.designingbuildings.co.uk/wiki/Student\\_resources](https://www.designingbuildings.co.uk/wiki/Student_resources) [accessed 12 May 2017] – *Designing Buildings Wiki* has a wide range of resources aimed at students of the built environment, as shown here.

---

**NOTE: Use of Wikipedia as a reference site:**

Wikipedia and use of other Wiki are increasingly being used by people in the academic community, as an easy source of information about anything and everything. However, citation of Wikipedia may not be considered acceptable, because Wikipedia is not a creditable source.

It is important to note that whilst Wikipedia may be one of the Web’s most popular reference sites, it is not classed as a credible resource because anyone is allowed to be a contributor to the website.

This can be avoided by following two simple rules:

- Remember that any encyclopaedia (which includes Wikipedia and any other wiki) can be a good starting point for research, and not an ending point.
  - An encyclopaedia can be good for getting a general understanding of a subject before you extend your study of the subject further. But you then have to consider the subject in more depth using books, journal articles and other appropriate and credible resources. What you find in these other sources of information will be more detailed, more precise, and more carefully reasoned than the summary you found in an encyclopaedia. The sources you reference/cite in your work will therefore be these more detailed sources you have used.
- 

[Back to top](#)

## **Industry Disruption: 10 ways real estate is changing**

What do real estate brokers, brokerage clerks and telemarketers have in common?

They will all lose their jobs in the near future. According to researchers at Oxford University, the potential for artificial intelligence computer algorithms to replace these jobs is estimated at between 97 and 99%

“The only thing you’ve got in this world is what you can sell,” Charley told Willy Loman in Arthur Miller’s play, *Death of a Salesman*.

The technological disruption that is happening in the real estate sector will go far beyond taking away “what you can sell”; it is set to radically transform the real estate profession.

Recent research indicates that it is not just brokers but the entire real estate industry that has a rethink how new technologies as well as shifts in demographics and behaviour will impact upon real estate jobs, skills and business models.

The real industry as we know it will disappear and this article explains in a little more about the reasons why. Here are the 10 reasons (further information is available via the web-link provided below):

1. A new kind of consumer requires new ways of doing real estate business
2. Migration and urbanisation are proceeding apace – and we are not prepared
3. Jobs and skills – the uncertain future of the real estate profession
4. Real estate as the solution – not the problem
5. Location, location, location. Has the magic word lost its power?
6. Virtual space versus real estate
7. Exponential technology revolution meets business innovation
8. Deja-vu? Real estate bubbles and systemic risks
9. Who still needs traditional access to funding and finance?
10. It's about trust: urban governance and transparency

Source: **Designing Buildings.co.uk Wiki**, (2017) 'Industry Disruption: 10 ways real estate is changing' [online], last edited 8 May 2017. Further information is available at: <http://www.designingbuildings.co.uk/wiki/Home> and [https://www.designingbuildings.co.uk/wiki/Industry Disruption: 10 ways real estate is changing](https://www.designingbuildings.co.uk/wiki/Industry_Disruption:_10_ways_real_estate_is_changing) [accessed 12 May 2017]

---

**NOTE: Use of Wikipedia as a reference site:**

Wikipedia and use of other Wiki are increasingly being used by people in the academic community, as an easy source of information about anything and everything. However, citation of Wikipedia may not be considered acceptable, because Wikipedia is not a creditable source.

It is important to note that whilst Wikipedia may be one of the Web's most popular reference sites, it is not classed as a credible resource because anyone is allowed to be a contributor to the website.

This can be avoided by following two simple rules:

- Remember that any encyclopaedia (which includes Wikipedia and any other wiki) can be a good starting point for research, and not an ending point.
- An encyclopaedia can be good for getting a general understanding of a subject before you extend your study of the subject further. But you then have to consider the subject in more depth using books, journal articles and other appropriate and credible resources. What you find in these other sources of information will be more detailed, more precise, and more carefully reasoned than the summary you found in an encyclopaedia. The sources you reference/cite in your work will therefore be these more detailed sources you have used.

---

[Back to top](#)

## **Designing Buildings Wiki – celebrating reaching 5,000 articles**

To celebrate reaching 5,000 articles, 'Designing Buildings Wiki' present the most popular article in each of their 32 subject areas/categories (identified above)

Direct hyperlinks are provided to each individual article identified and can be accessed via the source provided below.

### **Category – Project Activities**

SUBJECT AREA	MOST POPULAR ARTICLE
1. Appointments	Design and build
2. BIM	Level of detail
3. Client procedures	Project brief

4. Contracts/Payment	Variations
5. Construction management	Tender documentation
6. Construction techniques	Value engineering
7. Cost / business planning	Bill of quantities
8. Design	Types of drawings
9. Procurement	Preliminaries
10. Products / components	Pile foundations
11. Property development	Building design and construction fees
12. Public procedures	Procurement routes
13. Roles / services	Architect's fees

#### Category – **Legislation**

SUBJECT AREA	MOST POPULAR ARTICLE
14. Case law	Contract vs tort
15. Health and safety / CDM	CDM 2015
16. Other legislation	Method statement
17. Planning permission	Section 278 agreements
18. Policy	Building information modelling
19. Property law	Building regulations
20. Regulations	U-values
21. Standards / measurements	Types of drawings
22. Sustainability	Sustainability in building design and construction
23. Taxation	Construction VAT

#### Category – **Industry context**

SUBJECT AREA	MOST POPULAR ARTICLE
24. Conservation	Defects in brickwork
25. Education	Construction methods
26. History	The UK construction industry
27. International	Why so many women leave engineering
28. Organisations	Construction industry acronyms
29. Projects and case studies	The Big Bend, New York
30. Publications / reports	Latham Report
31. Research / innovation	3d printing
32. Theory	Risk in building design and construction

You can access, read online and gain direct links to the most popular articles @

Source: **Designing Buildings.co.uk Wiki**, (2017) 'Most popular articles in each subject area' [online], last edited 11 May 2017. Further information is available at: <http://www.designingbuildings.co.uk/wiki/Home> and [https://www.designingbuildings.co.uk/wiki/Most\\_popular\\_articles\\_in\\_each\\_subject\\_area](https://www.designingbuildings.co.uk/wiki/Most_popular_articles_in_each_subject_area) [accessed 8 May 2017]

---

**NOTE: Use of Wikipedia as a reference site:**

Wikipedia and use of other Wiki are increasingly being used by people in the academic community, as an easy source of information about anything and everything. However, citation of Wikipedia may not be considered acceptable, because Wikipedia is not a creditable source.

It is important to note that whilst Wikipedia may be one of the Web's most popular reference sites, it is not classed as a credible resource because anyone is allowed to be a contributor to the website.

This can be avoided by following two simple rules:

- Remember that any encyclopaedia (which includes Wikipedia and any other wiki) can be a good starting point for research, and not an ending point.
- An encyclopaedia can be good for getting a general understanding of a subject before you extend your study of the subject further. But you then have to consider the subject in more depth using books, journal articles and other appropriate and credible resources. What you find in these other sources of information will be more detailed, more precise, and more carefully reasoned than the summary you found in an encyclopaedia. The sources you reference/cite in your work will therefore be these more detailed sources you have used.

---

[Back to top](#)

---

**The Construction Information Service (CIS) - Briefing April - May 2017 Edition**

More and more, the UK construction industry is turning away from the traditional design-build and design-build-bid models and applying integrated project delivery (IPD) and lean construction methodologies to their projects. A key part of this effort is using building information modelling (BIM) to generate, manage and share project data. With collaboration at their core, IPD, lean and BIM come together to provide an integrated management and knowledge sharing system that helps solve some of the industry's biggest issues fragmentation, disengagement, and waste.

Also -

- What is collaborative working?
- Working together: IPD, lean thinking and BIM
- Benefits of collaborative construction

**Subjects covered include:**

- Legal issues and management
- Cost planning and control
- Project management
- Building Information Modelling (BIM)
- Environmental issues/energy
- Special subject areas
- Green issues/sustainability/green buildings

**Collaboration in Construction**

- Bringing together integrated project delivery, lean working and BIM

The construction industry has a history of fragmentation. Various entities come together in linear stages to work on a project, they work in silos and, once the project is finished, they disband and move on to the next project.

Information is gathered on an as-needed basis and knowledge is hoarded rather than shared. As a result, a lot of innovation and best practice information that would be helpful to the industry as a whole is lost.

This fragmented way of working also results in a lot of unnecessary waste, creating unnecessary costs. This results in short-term cost reductions, which have the potential to decrease quality while increasing overall project costs.

Working in silos also keeps parties unengaged and disinterested in the bigger picture, focussing instead on achieving maximising individual reward; something that lean philosophy tells us is detrimental to the project as a whole.

So, what is the solution? The overwhelming opinion is collaborative working. Taking their cue from other industries, larger construction groups are turning away from the traditional design-build and design-build-bid models and applying integrated project delivery (IPD) and lean construction methodologies to their projects. A key part of this effort is using building information modelling to generate, manage and share project data.

Areas covered in this *Briefing* include:

- **Benefits and challenges**
- **Working collaboratively**
- **Integrated project delivery, lean thinking and BIM – the perfect partnership** (incl. IPD, Lean construction, Building information modelling)
- **Embracing collaborative construction**
- **Collaboration and CIS**

Further information is available at:

Source: Sharman J, NBS (2016), The Construction Information Service (CIS) – *Briefing 04/2017* [online] . Further information available at <https://www.thenbs.com/authors/construction-information-service> [accessed 8 May 2017]

**Please note:** CIS can be accessed through the **Athens gateway** <http://www.openathens.net/> and by selecting 'IHS Technical Indexes Info4Education'. The Briefing can be downloaded from the CIS homepage.

[Back to top](#)

---

## The Smith Institute

The Smith Institute is a leading independent 'think tank' which promotes progressive policies for a fairer society. They provide a high-level forum for new thinking and debate on public policy and politics. Through research, reports, briefings, monographs, events, lectures, education, and our website, the Institute offers a platform for thought leadership on a wide range of topics incl.

- **Economy and Finance** - This policy theme includes work on macro-economics, trade, tax and finance. The Smith Institute's work in this area has looked at the relationship between fairness and a strong economy.
- **Government and Politics** - The Institute is interested in constitutional reform, active citizenship and political participation. Future work will be exploring voting trends, the interplay between politics and policymaking and improving political engagement.
- **Sustainability and Environment** – The Institute's work in this field has looked at food supply, homeworking, eco-housing, and energy policy.
- **Business and Third Sector** - This policy theme includes work on the business, corporate responsibility, access to finance, charitable giving and social enterprises. This year our work in this area will be focusing on corporate governance, business and rebalancing the economy, and the third sector and public services.
- **Local Government Cities and Regions** - This policy theme includes work on the devolution and regional economic disparities and development. The economic downturn is exacerbating the gap between London (and the Greater Southeast) and other areas of the UK. Set against this backdrop the Institute is continuing work on city-regions, economic geography and localism.

- **Housing and Regeneration** - This policy theme includes work on social housing, private rented sector, eco-towns, regeneration, suburbia, and urban renewal. The Institute's work this year will be mainly focused on funding social housing, eco-homes, and place-making.
- **Work and Welfare** - This policy theme includes work on wages, good work employment, welfare, worklessness, pay, outsourcing and skills. The Institute recently undertook a major inquiry into making undertaken by Ed Sweeney (former chair of ACAS) into Making Work Better. This report was widely welcomed including support from the Labour party, unions and the EEF. The Institute's future work programme is going to focus on procurement, living wage, employment protection and will focus on some of the main themes from the *Making Work Better* report.
- **Education and Families** – The Institute's work in this policy area has looked at all levels of formal education and on early intervention policies. The Institute believe that it is far better and fairer for individuals and society, and makes clear economic sense, to intervene early before problems develop in later life.
- **Health and Wellbeing** - This policy theme covers work on healthcare, healthy living and mental health. The Institute are interested in health and social care, the delivery of efficiencies and fairness in the NHS, and health prevention. Future work will be focusing on the impact of the health and social care act, the ageing society, integration and public health.
- **Security and Criminal Justice** - This policy theme includes work on the criminal justice system, reducing re-offending and issues around combatting terrorism and national security. The Institute aim to undertake further research on offender management and security policy.
- **EU and International** - This policy area includes work on the European Union, trade, and Britain's relationship with the international community and role in the world. The Institute have published a collection of essays on social Europe which, it is hoped will be followed up this year. The Institute also aim to undertake further work on economic nationalism and globalisation.

The Institute's activities are informed by a network of well-known experts, policy makers, research fellows and patrons. Based in London, it works in partnership with a range of public and private organisations, foundations and charities. As a charity, The Smith Institute had an excellent track record in influencing and shaping public policy, and extensive national and international contacts. Over the last decade it held over 500 events and published more than 150 reports – including *'Working together – thinking alike: What do councils and local enterprise partnerships expect from housing associations'* (as mentioned earlier in this e-Bulletin), with contributions from Prime Ministers and MPs to archbishops and chief executives. The Smith Institute, recently reconstituted as a not-for-profit organisation, will sustain and develop this record of achievement, and maintain its reputation and influence in Westminster and Whitehall.

**N.B. The newly updated Smith Institute website** [online]. Further information is available at <http://www.smith-institute.org.uk/> [accessed 8 May 2017]



<https://www.facebook.com/pages/The-Smith-Institute/251600568286?v=wall> [accessed 8 May 2017]



[https://twitter.com/smith\\_institute/](https://twitter.com/smith_institute/) [accessed 8 May 2017]

**Policy Tracker**

on The Smith Institute's website [online] and available @ [http://www.smith-institute.org.uk/?page\\_id=66](http://www.smith-institute.org.uk/?page_id=66) [accessed 8 May 2017]

[Back to top](#)

**Latest Research from The Smith Institute incl.**

***Halfway house: the opportunities and limits of devo-housing in England***

The upcoming mayoral elections (see publication date) in six city regions will usher in a new era for devolution in England. Across the country many voters will have their first chance to elect a mayor, who will subsequently

have a mandate to set priorities and shape local policies. Alongside new powers over local growth, transport and public services, the new mayoral combined authorities will also have powers and funding over housing and planning.

If the mayoral races in London are replicated elsewhere then housing is likely to be a top priority for voters and a central policy area for the new metro mayors. The combined authorities are largely city-region based, and although housing costs are not as high as in the capital, they face growing pressures on availability and affordability, long waiting lists for social housing, declining homeownership rates, rising homelessness and growing and ageing populations. The challenges are made more difficult still when set against the backdrop of cuts to local authority budgets, reduced funding for housing (notably capital and revenue spending on social housing), and welfare reforms. But what will change in the new mayoral combined authorities in respect of housing and place-making? What can be achieved under the existing settlements (including powers to coordinate) and what new policies, flexibilities and funding will be required to meet the ambitious plans combined authorities (and their Local Enterprise Partnerships) have already outlined? And what does this mean for areas which fall outside the new mayoral combined authorities, will they receive relatively fewer resources and have less autonomy over local housing issues?

In this talking points publication it begins by setting the scene of where housing sits within the new devolution settlements and relationship between local and national government. The publication then explores the housing challenges metro mayors will face and what could be achieved under the existing settlements, as well as what devolution might mean for those areas not included. The report concludes by highlighting areas where further devolution may be needed and asks some key questions about the challenges the metro mayors will face in realizing their housing and growth ambitions.

Hunter P, Smith Institute, April 2017, '*Halfway house: the opportunities and limits of devo-housing in England*' [online]. Further information is available at <http://www.smith-institute.org.uk/book/halfway-house-opportunities-limits-devo-housing-england/> [accessed 10 May 2017]

The Smith Institute, Publications [online] and available at [http://www.smith-institute.org.uk/?post\\_type=books](http://www.smith-institute.org.uk/?post_type=books) [accessed 8 May 2017]

[Back to top](#)

### ***#notjustfor boys / women in construction***

- This collection of essays highlights the barriers to working in the construction industry that women face and demonstrates how things can be improved

It is two years since The Smith Institute first published this collection of essays. Over that time the number of women in work has increased to nearly half the workforce, with many more in professional and technical jobs. Unfortunately, one area where change has been less forthcoming is the number of women working in construction and the manual trades.

Nevertheless, efforts are being made by employers, unions, professional organisations, government, schools, training agencies and others to encourage more women into the construction industries and offer support once in work. This kind of concerted action to significantly improve both recruitment and retention is far from easy, but as the Construction Youth Trust's #notjustforboys campaign (more details are at the end of the report) shows misconceptions, prejudice and bad practices that are at the root of the problems can be over-turned and young people can be inspired to think differently. Worsening skills shortages and the prospect of post-Brexit restrictions on migrant labour mean UK construction will have to recruit more women. Failure to act will damage our future prosperity.

Jowett A, Bagilhole B, Townley C [et al.], September 2016, *#notjustforboys – women in construction* [online]. Further information and access to the report is available at <http://www.smith-institute.org.uk/book/notjustforboys-women-construction/> [accessed 8 May 2017], London: The Smith Institute  
The Smith Institute, Publications [online] and available at [http://www.smith-institute.org.uk/?post\\_type=books](http://www.smith-institute.org.uk/?post_type=books) [accessed 8 May 2017]

[Back to top](#)

## ***Towards a suburban renaissance: a new agenda for our city suburbs***

- This report examines how shifting poverty, housing and growth patterns in our cities are affecting outer areas and sets out the case for a suburban renaissance

It is 17 years since the Urban Task Force led by Lord Rogers reports its findings in *Towards and Urban Renaissance*. The highly influential report set the tone and agenda for the regeneration and revitalisation of many of our city centres. Quite literally on the edge of that urban renaissance debate has been the future of our suburbs. While there have been some useful reports warning about the marginalisation of suburbia they have rarely had the prominence they deserve. Moreover, when suburbs have been discussed, the debate has focused on creating new suburbs rather than examining what existing areas might need.

This report aims to build on the Institute's previous work by examining some of the drivers of change in suburbs in three major cities, not least in respect of population change, housing, the economy, the labour market and welfare reform. The aim was not only to place the spotlight on the problems facing the suburbs, but also to set out constructive ideas for renewal.

Hunter, P., The Smith Institute (2016), *Towards a suburban renaissance: a new agenda for our city suburbs* [online]. Further information and access to the report is available at <http://www.smith-institute.org.uk/book/towards-urban-renaissance-agenda-city-suburbs/> [accessed 8 May 2017]

The Smith Institute, Publications [online] and available at [http://www.smith-institute.org.uk/?post\\_type=books](http://www.smith-institute.org.uk/?post_type=books) [accessed 8 May 2017]

[Back to top](#)

## ***Britain for sale? Perspectives on the costs and benefits of foreign ownership***

The UK is becoming ever more reliant on foreign investment, especially for the provision of strategically important infrastructure, like airports and energy projects. Investors from China, UAE and elsewhere are being encouraged to invest heavily in the so-called Northern Powerhouse and Midlands Engine. Foreign investment meanwhile continues to flood into London, notably into the booming property market.

The presence of overseas investors in London and the regions has financial benefits and is viewed by the government as a cost-effective alternative to public investment. However, greater dependence on international investors (many state backed Sovereign Wealth Funds) is not risk free. In this publication – published in association with the Regional Studies Association – the authors examine whether there is an over reliance on foreign investment which could make the UK's cities less resilient and more vulnerable to global market fluctuations. The authors also explore concerns over the way foreign owned infrastructure projects in city-regions are regulated and governed.

Crouch, C., Findeisen, F., [et al.], The Smith Institute (2016), *Britain for sale? Perspectives on the costs and benefits of foreign ownership* [online]. Further information and access to the report is available at <http://www.smith-institute.org.uk/book/britain-sale-perspectives-costs-benefits-foreign-ownership/> [accessed 8 May 2017]

The Smith Institute, Publications [online] and available at [http://www.smith-institute.org.uk/?post\\_type=books](http://www.smith-institute.org.uk/?post_type=books) [accessed 8 May 2017]

[Back to top](#)

---

## **National Trust (NT)**

### **NT - Big Issues (incl. 'Transport & Tourism' and 'Land-use & planning') and their views**

The National Trust is 'a charity that works to preserve and protect historic places and spaces – for ever, for everyone' (NT, 2015). The National trust protect historic houses, gardens, mills, coastlines, forests, woods, fens, beaches, farmland, moorland, islands, archaeological remains, nature reserves, villages and pubs. While they are

very passionate about open spaces and historic places, they also work hard in other areas too, including the environment, food, farming, transport and heritage – to name but a few.

Most of the work they do though is affected by much wider global issues, which is why their interests extend far beyond just bricks and mortar.

The National Trust [online] and available @ <http://www.nationaltrust.org.uk/> [accessed 8 May 2017]

Please refer to

‘The National Trust’ 

‘Our cause’  and select either

**Nature & Wildlife; Heritage** (including information on Building Conservation); **News; Land & Landscape** (including information on Landscape, Coastline and Energy); **&/or Food**

The National Trusts work can be affected by wider national even global issues. Further information is available @ <http://www.nationaltrust.org.uk/our-views> [accessed 8 May 2017]

## NT, Big issues - Transport and tourism –

- The NT, Big issues - Transport and tourism and how special places have been impacted by the High-Speed Rail 2

Within the Transport and Tourism section, a number of the current issues being addressed incl.

**Overview of High Speed Rail 2 (HS2) Phase 1, 2A & 2** [online]. Further information is available at <https://www.nationaltrust.org.uk/features/high-speed-rail-2-hs2-phase-1-and-2> [accessed 8 May 2017]

**Special places impacted by HS2** [online]. Further information is available at

<http://www.nationaltrust.org.uk/article-1355885932182/> [accessed 8 May 2017]

**High Speed Rail 2 (HS2) – phase 1 & 2** [online]. Further information is available at

<http://www.nationaltrust.org.uk/article-1355813240998/> [accessed 8 May 2017]

Source: The National Trust (2016), What we do, Big Issues, Transport and tourism [online]. Further information is available @ <http://www.nationaltrust.org.uk/our-views> [accessed 8 May 2017]

**Social Media Links to follow for National Trust:**

**Related Link:**

**Five urban infrastructure projects for 2017**

- Five urban infrastructure projects for 2017 incl. **(1) High Speed Rail 2 (HS2) – Phase one**, (2) Tideway Tunnel, (3) New Wear Crossing, (4) Bristol Temple Meads Station, and (5) Crossrail

Source: Carr, D., (2016), Building Research Establishment (BRE), ‘Five urban infrastructure projects for 2017’ [online]. Further information is available at

<http://www.building4change.com/article.jsp?id=2792#.WFOwxIWLREY> [accessed 8 May 2017],

*Building4Change*, 21<sup>st</sup> October, **ARTICLE #2792** (BRE).

[Back to top](#)

## NT, Big issues – Land & Landscape (incl. Land-use & planning)

Please refer to

‘The National Trust’ 

‘Our cause’ 

‘Land & Landscape’ 

‘Landscape’  and select

‘Land-use & Planning’ 

Where you can access The National Trusts ‘Planning Principles’ and an article on ‘*Planning at a national level*’

**Land-use and planning** [online]. Further information is available at <http://www.nationaltrust.org.uk/features/land-use-and-planning> [accessed 8 May 2017]

**Reference:**

**Land & Landscape** (including information on Landscape, Coastline and Energy) [online]. Further information is available at <http://www.nationaltrust.org.uk/land-and-landscape> [accessed 8 May 2017] including articles on:



<https://twitter.com/nationaltrust/> [accessed 8 May 2017],



<https://www.facebook.com/nationaltrust> [accessed 8 May 2017],



<https://www.youtube.com/user/nationaltrustcharity/> [accessed 8 May 2017]

[Back to top](#)

## Why the National Trust cares about planning

Land-use planning is a key tool to help the National Trust look after the nation's special places. It can also help society to create great places for people to live, work and play, and deliver a healthier, more beautiful natural environment – two key parts of the new National Trust strategy. That's why they regularly take part in the planning system and support a plan-led system to deliver good development which meets long term needs. An effective planning system guides good, necessary development to the right places, making an important contribution to prosperity and growth. It ensures that poorly designed developments and those in the wrong place don't get built. It delivers the new homes, shops and services that communities want, where they want them. And it protects the things that matter to us all; from much-loved open spaces, green fields and productive agricultural land to our historic city centres, towns and villages.

A planning system should:

- Be balanced - to integrate environmental, social and economic concerns
- Safeguard the public's interest - protect countryside, heritage and nature
- Start from what people value about their place

National Trust (2017), *Why the National Trust cares about planning* [online] and further information is available at @ <http://www.nationaltrust.org.uk/features/land-use-and-planning> [accessed 8 May 2017]

[Back to top](#)

## National Trust – “Our planning principles”

“Our planning principles are used to guide us in our decision-making on the way land is developed and managed.” (National Trust, 2016)

These principles are used to guide the National Trust in their decision making about land use and planning incl.

**Seeking to influence** – The National Trust seek to influence the Planning system at local, regional and national levels in accordance with their statutory purpose and will promote an integrated approach to sustainable development.

**Supporting spatial planning** – The National Trust support spatial planning which takes a holistic approach to the environment and its resources, plans long-term, looks at the landscape, catchment or coastal ‘cell’ scale and takes into account climate change implications.

**Sensible management** – The National Trust promote the wise management of the natural environment and built and cultural heritage, for our future generations, and will support high design quality.

**Protecting our environment** – The National Trust will seek to protect wild and remote landscapes from built development or urbanisation, especially where it impacts on their properties.

**Using property management plans** – In managing its land through property management plans, the National Trust will support and help to achieve the objectives of any designated landscape, wildlife, or historic sites and arenas.

**Objecting to proposals, where appropriate** – The National Trust will object to land use or marine-based proposals that have a significant adverse impact on its properties and their settings and context, or in its wider interests.

**Using a sustainable construction approach** – When proposing development on their land to meet justified needs, the National Trust will use a sustainable construction approach. This will include:

- Minimising resource use and generation of waste,
- Being energy efficient,
- Minimising or preventing all types of pollution and risk of flooding,
- Safeguarding important wildlife, landscape and historic interests,
- Respecting local/regional distinctiveness, supporting local sources for goods and services where practical, and
- Encouraging community involvement and access

National Trust (2017), *Our planning principles* [online] and further information is available @ <http://www.nationaltrust.org.uk/features/our-planning-principles> [accessed 8 May 2017]

[Back to top](#)

## **National Trust – “How we engage in planning: our role as a developer”**

“We are an independent conservation charity looking after a quarter of a million hectare of land, 775 miles of coastline, hundreds of houses and thousands of archaeological monuments and historic buildings, large and small.” (National Trust, 2016)

### **The National Trust’s planning procedure**

In the course of National Trust work, they’re responsible for some new development. Whether it’s for a new visitors’ centre or a new green energy project, this means that they’re a participant in the planning system. Sometime they apply for a change of use of a building to give it a productive future use or to aid farm or estate diversification.

Very occasionally the National Trust seek to develop ‘investment’ land to meet an identified housing need. Sometimes donors specifically offer land with development potential to help pay for conservation work in the future.

The National Trust’s conservation purposes is paramount so in all cases where they apply for planning permission, they look to include sustainable development principles, seeking to minimise resource use, waste and pollution; safeguard landscape, wildlife and historic interest; respect local distinctiveness; and provide better access, and a safe and healthy environment.

The National Trust have developed the following criteria to ensure only suitable projects proceed:

- Adhere to the policies in the relevant local plan.
- Deliver energy efficiency and reduce carbon dioxide emissions.
- Build in harmony with the local environment, built and natural.
- Involve the local community throughout the process.

The vast majority of National Trust land is held forever, for everyone. Less than 0.01% is currently allocated for housing in local plans and proposed for development by the Trust.

When the National Trust release land for development, they aim to use it to show what good housing can look like.

The National Trust sell land for development when they are completely satisfied that any proposed scheme is the best possible solution for the area and passes a rigorous set of design and environmental standards they apply as part of their decision-making process.

Some recent case studies are provided and include:

- Pyrland, Taunton, Somerset
- Dean Park, Bovey Tracey, Devon
- Erddig, near Wrexham, North Wales
- Stamford Brook, Cheshire

For further information and access to these case studies, visit

Source: National Trust (2017), *Our planning principles* [online] and further information is available @ <http://www.nationaltrust.org.uk/features/our-planning-principles> [accessed 8 May 2017]

[Back to top](#)

## **Planning at a national level**

- Across England, Wales and Northern Ireland, the National Trust look after a quarter of a million hectares of land, 775 miles of coastline, and thousands of archaeological monuments and historic buildings, large and small. Every year many millions of people enjoy the special places in the National Trust's care.

**The National Trust's role** - As an organisation rooted in the importance of place, the Trust has always looked beyond its own boundaries to achieve its core purpose. Founded to preserve and provide access to places of natural beauty or historic significance, the National Trust supporters were a voice against urban sprawl and ribbon development in the 1920s, and advocates of the Town and Country Planning Act, which became law in 1947.

**Government's planning rules for housing development and land use** – The Government's National Planning Policy Framework (NPPF) is the main set of rules that apply to planning decisions and local plan-making in England. The NPPF, introduced in March 2012, should ensure that development is steered to the most appropriate places. Planning development should not be weighted in the interests of purely economic development, but integrate the needs of people, places and the economy.

When the NPPF was being drawn up, the Prime Minister wrote to the National Trust to reassure them that 'our magnificent countryside' would continue to be protected. The Prime Minister at the time said the reforms would 'maintain protections for the green belt, for National Parks and Areas of Outstanding National Beauty,' and would 'strengthen local participation'.

**Monitoring Government's plan-led system** – Since the NPPF came into force in March 2012 the National Trust has been checking that the Government's intentions are being delivered at ground level.

For further information, visit

National Trust (2017), *Planning at a national level* [online] and further information is available @ <http://www.nationaltrust.org.uk/features/planning-at-a-national-level> [accessed 8 May 2017]

[Back to top](#)

## **Planning at a local level**

- At a local level, the National Trust monitor planning proposals that are likely to affect the special place in their care.

The National Trust deal with proposals ranging from anything from a house extension, through to large residential or commercial development, to new road or airport infrastructure. These will often be proposals adjacent to National Trust land, but development some distance away can also have implications on special places, for example in the form of traffic generation, or loss of habitat.

The vast majority of applications will not be an issue for the National Trust. For others, they may object, or suggest some conditions, to those which compromise National Trust purposes and sustainable development principles, or – very rarely – if they feel an unfortunate precedent might be set.

Through informed involvement, the National Trust have been able to negotiate real environmental improvements in schemes like complex infrastructure proposals, for instance on road or rail alignments.

Where it is helpful to National Trust interests, they seek to influence local transport plans, shoreline management plans, and river basin management plans.

For further information, visit

National Trust (2017), *Planning at a local level* [online] and further information is available @ <http://www.nationaltrust.org.uk/features/planning-at-a-local-level> [accessed 8 May 2017]

[Back to top](#)

---

## **Upcoming Revo (formerly BCSC) Research**

Revo (formerly BCSC) continues to develop a research programme that reflects industry knowledge requirements. They continue to undertake challenging projects and are seeking to find a balance between in-depth research and other shorter forms of guidance. Revo (formerly BCSC)'s committees continue to help shape and steer our research and it is through this process that topical and under-researched areas are explored.

Some recently published research includes:

- Beyond Retail: Redefining the shape and purpose of town centres
- CCTV in Shopping Centres and Associated Car Parks
- Building Information Modelling (BIM) – Guide to Best Use
- Protection of Vulnerable People
- Servicing Areas for Shopping Centres

Further information and access to research and publications can be found at Revo community (formerly British Council of Shopping Centres (BCSC)), Research and Education [online] and available @ [https://www.revocommunity.org/research\\_education\\_2/research\\_education](https://www.revocommunity.org/research_education_2/research_education) [accessed 8 May 2017]

Further Research + Education information and access to documents can be found at Revo community (formerly British Council of Shopping Centres (BCSC)), Research and Education, and **Document listing** [online] available @ <https://www.revocommunity.org/documents/list> [accessed 8 May 2017]

[Back to top](#)

## **Foster + Partners Projects**

Foster + Partner is one of the most innovative architecture and integrated design practices in the world. Over the past four decades the practice has pioneered a sustainable approach to architecture through a strikingly wide range of work, from urban masterplans, public infrastructure, airports, civil and cultural buildings, offices and workplaces to private houses and product design. Based in London, with offices worldwide, the practice has an international reputation, with buildings in six continents. By visiting their website you can gain further information about their current and past work, upcoming projects and gain access to the following:

- Image gallery,
- Sketches and drawings,
- Construction,
- Facts & Figures, and
- Project downloads

Available via the Foster + Partners website [online] and @ <http://www.fosterandpartners.com/projects/> [accessed 8 May 2017]

**Related Link:**

CIOB, Global Construction Review (GCR), 11<sup>th</sup> June 2015, *Foster + Partners' Wuhun masterplan to go ahead* [online]. Further information is available at <http://www.globalconstructionreview.com/news/foster-partners-wu8ha8n0-m6a4s2ter0p6l4a2n-0g8o/> [accessed 8 May 2017]



<https://twitter.com/FosterPartners> [accessed 8 May 2017],



<https://www.facebook.com/fosterpartners> [accessed 8 May 2017],



<https://www.linkedin.com/company/foster-&-partners> [accessed 8 May 2017]



<https://www.youtube.com/user/FOSTERANDPARTNERS1> [accessed 8 May 2017],

[Back to top](#)

---

## **Building Information Modelling (BIM) -**

### **What is Building Information Modelling?**

- There are many definitions of Building Information Modelling (BIM), but it is simply the means by which everyone can understand a building through the use of a digital model. Modelling and asset in digital form enables those who interact with the building to optimize their actions, resulting in a greater whole life value for the asset.

Through BIM the UK construction industry is undergoing its very own digital revolution, BIM is a way of working; it is information modelling and information management in a team environment, all team members should be working to the same standards as one another. BIM creates value from the combined efforts of people, process and technology.

*Source:* National Building Specification (NBS), 19 July 2016, 'What is Building Information Modelling (BIM) ? , **theNBS.com** website [online]. Further information is available at <https://www.thenbs.com/knowledge/what-is-building-information-modelling-bim> [accessed 8 May 2017]

**Note:** Further information can also be accessed through the above provided web link on: **BIM (Building Information Modelling)** and access to 'what is BIM' video.

[Back to top](#)

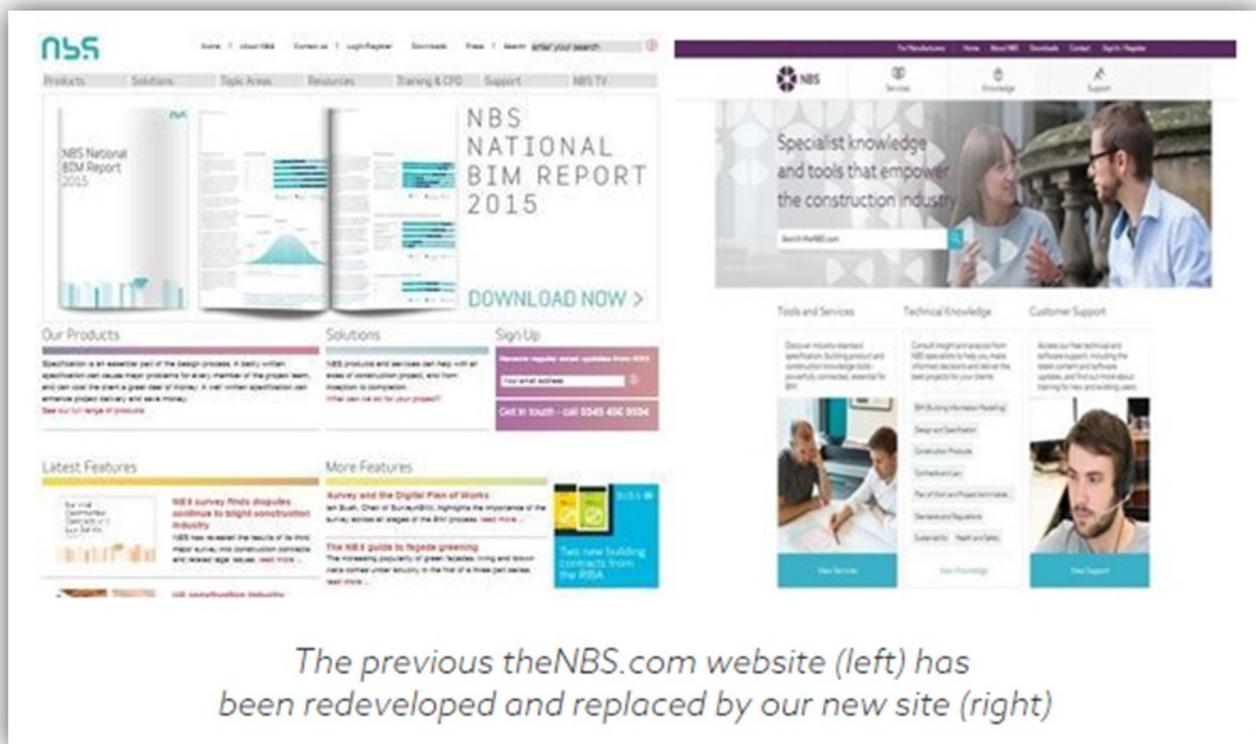
### **Gain access to theNBS.com website**

January 2016 marked a new chapter in the life of **theNBS.com** as National Building Specification (NBS) launched their new website that puts the foundations in place for NBS to provide a better service.

The team at NBS have been working away on the project for the last few months and have gone right back to the first principles with the aim of delivering around the needs of their users.

While their new brand identity may be the most obvious visual change, the new site offers clearer navigation, improved information on its services and easier access to technical knowledge and support. The technical changes they have made also provide the foundation to provide a range of improved service in the months and years ahead.

[Click here](#) to find out about what's changed – Getting around the new **theNBS.com**



Getting around the new **theNBS.com** website  
Source: [www.thenbs.com](http://www.thenbs.com)

NBS, Getting around the new **theNBS.com** website [online]. Further information is available at <https://www.thenbs.com/knowledge/the-new-thenbscom/getting-around-the-new-thenbscom> [accessed 8 May 2017]

[Back to top](#)

## New Building Specification (NBS), NBS TV - the online video resource servicing built environment professionals.

• Case Studies • Technical Guidance • Interviews • Leading Industry Figures incl.

**Watch now on NBS TV ⇒ Design and Specification, and Building Technologies – NBS round-up latest articles featuring video content**

Source: The NBS (a trading name of RIBA Enterprises Ltd), National BIM Library website **@theNBS** [online]. Further information is available at <https://www.thenbs.com/knowledge/video> [accessed 8 May 2017]

The NBS, NBS TV – Design & Specification [online]. Further information and additional programmes are available at <https://www.thenbs.com/knowledge/design-specification> [accessed 8 May 2017]

The NBS, NBS TV – Building Technologies, *Lighting Technology – Building in Efficiency* [online]. Further information and additional programmes are available at <https://www.thenbs.com/knowledge/lighting-technology-building-in-efficiency> [accessed 8 May 2017]

[Back to top](#)

## The National Building Information Modelling (BIM) Library –

Source: NBS (2016), *NBS National BIM Library* [online] and available at: <https://www.thenbs.com/services/our-tools/nbs-national-bim-library> & NBS homepage [online] and available at <https://www.thenbs.com/> & NBS Knowledge [online] and available at <http://www.thenbs.com/topics/index.asp> [accessed 8 May 2017]

Latest information freely available to access and download incl. **Introducing the BIM Toolkit** [online]. Available at <http://www.thenbs.com/topics/BIM/articles/NBS-live-introducing-the-BIM-toolkit.asp> [accessed 8 May 2017]

The National BIM (Building Information Modelling) Library is the construction industry's free-to-use resource of NBS standard BIM content.



A selection of key BIM documentation since 2007  
Source: [www.thenbs.com](http://www.thenbs.com)

- **BIM (Building Information Modelling)**

The revolutionary force of Building Information Modelling continues to reverberate insight and analysis on BIM from NBS incl.

- **NBS Services for BIM**

NBS Services for BIM Projects; NBS Create; NBS Toolkit; NBS National BIM Library; and NBS Plug-ins

- **Further information and guidance incl.**

NBS National BIM Survey 2016; What is BIM?; Levels of Information; Employers' information; Are you BIM ready? And latest articles relating to BIM

Source: NBS (2016), *NBS National BIM Library* [online] and available at: <https://www.thenbs.com/services/our-tools/nbs-national-bim-library> & NBS homepage [online] and available at <https://www.thenbs.com/> & NBS Knowledge [online] and available at <http://www.thenbs.com/topics/index.asp> [accessed 8 May 2017]

[Back to top](#)

## **NBS BIM Toolkit BETA update -**

The NBS BIM Toolkit is the easy way to define who is doing what, and when, on your Level 2 BIM projects.

Further information can be accessed at The National BIM Library [online] and available @ <https://www.thenbs.com/services/our-tools/nbs-bim-toolkit> [accessed 8 May 2017]

[Back to top](#)

## **[NBS International BIM Report 2016](#)**



Source: [www.thenbs.com](http://www.thenbs.com)

- The second NBS International BIM Survey, carried out by NBS, working closely with the International Construction Information Society, provides a fascinating insight into BIM adoption and maturity across five diverse countries.

Source: The NBS (a trading name of RIBA Enterprises Ltd), 25 February 2016, National BIM Library website, Knowledge, *NBS International BIM Report 2016* [online]. Further information and access to the report in full are available at <https://www.thenbs.com/knowledge/nbs-international-bim-report-2016> [accessed 8 May 2017]

[Back to top](#)

## **[NBS National Building Information Modelling \(BIM\) Report 2016 free to download](#)** –



Source: [www.thenbs.com](http://www.thenbs.com)

The *NBS National BIM Report* is the industry's most comprehensive analysis of the state of Building Information Modelling (BIM) within the UK construction sector.

The 2016 report is the sixth such study and with consistent set of core questions the NBS were able to present a unique year-on-year comparison drawing on the insight of over 1000 construction industry professionals.

The full, free, report is now available for download (please refer to the web-link provided below) and includes comprehensive analysis of the 2016 findings alongside unrivalled expert analysis of some of the key trends.

The NBS (a trading name of RIBA Enterprises Ltd), National BIM Library website, *NBS National BIM Report 2016 @theNBS* [online] and available at <https://www.thenbs.com/knowledge/national-bim-report-2016> [accessed 8 May 2017]

[Back to top](#)

## **[Blogging about BIM, Construction and NBS](#)**

Source: The NBS (a trading name of RIBA Enterprises Ltd), National BIM Library website [online]. Further information and access to the BLOG are available at <http://constructioncode.blogspot.co.uk/2015/04/nbs-national-bim-report-2015.html> [accessed 8 May 2017]

[Back to top](#)

## **Latest News on BIM -**

### **BIM's legal stumbling blocks: what you need to know**

- With all the talk about the benefits of BIM, are the legal implications being swept aside? Quig Golden's James Sargeant, the author of this article, puts us in the picture

BIM as a management tool is what we should be striving towards. In terms of our procurement and contractual obligations and meeting governmental objectives, concentrating on innovation, collaboration and whole-life costs, BIM should be at the forefront of construction.

So what is it about BIM that we don't want to embrace? Well, in my experience, it falls into four main camps:

1. Resourcing;
2. Lack of incentive;
3. Lack of understanding; and
4. Fear of the unknown

It is hard for these not to overlap, but each brings its own distinct stumbling block. These headings also have some overlap with specific legal principles.

The first obvious issue of resourcing is well rehearsed and speaks for itself. Money is tight and companies, both public and private, may not be in a position now to fully endorse BIM the way they should. However, a lot of the problems that we are facing are nothing more than perceived problems. People look at BIM as new technology or an unknown; This has led to a hesitancy to embrace it. This hesitancy is highlighted by issues of public procurement, how BIM is used in contract, and a lack of understanding on intellectual property/copyright issues.

#### **Is public procurement a stumbling block for BIM?**

One of the most obvious problems with BIM is that it is not endorsed from the top down. It is (or at least should be) a public contract requirement, and there is a very strong argument that it should be the public sector itself that is encouraging or promoting the use of BIM (the hand that rocks the cradle and all that).

Ultimately, if the public sector does not encourage or even require the use of BIM, what incentive or need is there for contractors to actually spend time, money and resourcing in researching BIM or developing BIM departments?

#### **So, why does the public sector not endorse BIM as it probably should?**

From first-hand experience, it is not only a resourcing and knowledge issues (although this is a big part of it). If the client does not know about BIM, why would they want to base the award of a contract or the success of a project on something they do not understand themselves?

There is also the money issue that having a BIM project from the outset with no prior engagement or experience is going to cost money. Generally speaking this is untested and whenever there is a choice between "use something that might cost more money" or "tried and tested" it will always be the path of least resistance that is trod.

The flipside of this comes from the reforms of Lord Young in respect of SME participation in procurement processes. Lord Young's reforms went to the heart of encouraging the use and involvement of SMEs. What better way to exclude smaller companies that do not have the abilities to resource and research a new form of technology, than requiring it in your tender process. Therefore, the inclusion of BIM in contracts where an SME could genuinely and competitively tender may be painting a target on the back of the contracting authority for a potential challenge.

#### **What about BIM under contract?**

One of the major problems again we are coming across in practice is how BIM is actually being used in the contract. It may be asked for a tender stage, the contract being awarded on that basis, and then in practice, BIM is not actually used at all.

The CIC BIM Protocol, of course, is a great start, but it is nothing more than a blank canvas on which to say, "so you are using BIM, now breathe life into the protocol". There is also a major failing on behalf of drafters of standard form contract for not actually encouraging or endorsing the use of BIM. Of course, it is impossible to

make sure what is being included as there is very rarely going to be a “one size fits all” for how BIM should be used.

There is also hesitancy from specialist contractors not wanting to provide or submit information into the model as, after the project is complete or they have completed their term of contract, a competitor can gain access to all the information that has been put on the model by virtue of winning a contract. This is something that clients must address to allay fears and correct any misconception of “trade secrets” being released.

BIM is a good thing, but the Catch 22 of needing to understand BIM before we can use it (but not being able to use it because we don’t understand it) is something that we as an industry need to resolve.

Source: Sargeant J (2017) ‘BIM’s legal stumbling blocks: what you need to know’ [online]. Available at <http://www.constructionmanagermagazine.com/news/bims-legal-stumbling-blocks/> [accessed 8 May 2017], *Construction Manager*, 8 May.

#### **Related Links:**

##### **Construction Manager (CM) round table: What happened to the BIM bang?**

- A year after the mandate, CM brought together 10 industry stakeholders to discuss progress ... or lack of it.

Ravenscroft T (2017) ‘What happened to the BIM bang?’ [online]. Available at

<http://www.constructionmanagermagazine.com/agenda/cm-round-table-what-happened-to-the-bim-bang/> [accessed 8 May 2017], *Construction Manager*, 29 March.

##### **CM’s BIM survey 2017 results analysed**

- During January and February 2017, Construction Manager once again surveyed our readers to gauge how user trends had moved since the 2016 survey. Here’s what the result revealed.

Construction Manager (2017) ‘CM’s BIM survey 2017 results analysed’ [online]. Available at

<http://www.constructionmanagermagazine.com/agenda/cms-bim-survey-2017-results-analysed/> [accessed 8 May 2017], *Construction Manager*, 22 March.

##### **BIM bytes: The JCT Design & Build contract and BIM**

Maqbool A (2016) ‘BIM bytes: The JCT Design & Build contract and BIM’ [online]. Available at

<http://www.constructionmanagermagazine.com/management/bim-bytes-jct-design-build-contract-and-bim/> [accessed 8 May 2017], *Construction Manager*, 10 November.

##### **Back to BIM Basics**

In the rush towards a BIM-enables construction, we should remember what lies at the core of BIM

Source: Snook, K., 18<sup>th</sup> May 2015, Building Research Establishment (BRE), *Building4Change*, *Back to BIM Basics* [online] and available at <http://www.building4change.com/article.jsp?id=2644#VqpB-fmLRaS> [accessed 8 May 2017], ARTICLE #2644 (BRE).

##### **Building4Change @**



<https://twitter.com/Building4change> [accessed 8 May 2017]

##### **Unlocking the potential of BIM**

- Building Information Modelling – or BIM as it is more commonly known – has become something of a buzz word for the construction sector since the Government launched its Construction 2025 strategy in 2011. In this article, the author, Claire Cameron investigates why firms should be embracing the technology

Cameron, C., (2016), ‘Unlocking the potential of BIM’ [online] and available at

<http://www.builderandengineer.co.uk/feature/unlocking-potential-bim> [accessed 8 May 2017], *Building&Engineer*, 30 December.

[Back to top](#)

---

## Latest library resources incl. new book titles, journal articles and research

### Take a look at Taylor and Francis Online, FREE planning and urban design series ebooks

Have you ever wanted a quick snapshot of one of our series but didn't know where to start?

Taylor and Francis Online have compiled a selection of chapters from some of the new and key books in the Planning and Urban Design series, and created individual e-books for each one.

Further information is available at **Taylor and Francis Online**, via

[https://www.routledge.com/reference/posts/4970?utm\\_source=plan&utm\\_medium=cms&utm\\_campaign=sbu3\\_vej\\_3rf\\_8cm\\_3pla\\_rf2v15\\_bls15\\_x\\_plan](https://www.routledge.com/reference/posts/4970?utm_source=plan&utm_medium=cms&utm_campaign=sbu3_vej_3rf_8cm_3pla_rf2v15_bls15_x_plan) [accessed 8 May 2017]

& Taylor and Francis Online, Planning and Urban Design blog @

[https://www.routledge.com/planning/posts?utm\\_source=banner\\_ad&utm\\_medium=banner&utm\\_campaign=sbu3\\_cth\\_4mx\\_4ad\\_3pla\\_cmg15\\_eupdatesblog\\_x](https://www.routledge.com/planning/posts?utm_source=banner_ad&utm_medium=banner&utm_campaign=sbu3_cth_4mx_4ad_3pla_cmg15_eupdatesblog_x) [accessed 8 May 2017]

[Back to top](#)

### Read a free collection of research in Higher Education

- Higher Education is rapidly evolving. Questions on technology, open education, the sciences versus the humanities, and diversity abound. Wiley Education hope that the research included in this collection will shed light on these issues, and prompt you to ask new questions about the future and role of higher education around the world.

The Higher Education collection includes sections on:

- Diversity and inclusion in Higher Education,
- Course of Study in Higher Education,
- Higher Education Policy, and
- Higher Education around the World.

**Wiley Online Library**, Education, Higher Education, *Read a free collection of research on Higher Education* [online]. Further information is available at

[http://onlinelibrary.wiley.com/subject/code/000048/homepage/higher\\_education.htm?dmmsmid=93591&dmm\\_spid=22770103&dmmuid=2438892](http://onlinelibrary.wiley.com/subject/code/000048/homepage/higher_education.htm?dmmsmid=93591&dmm_spid=22770103&dmmuid=2438892) [accessed 8 May 2017]

[Back to top](#)

### Read the most talked about articles in Education!

Altmetrics tracks and measure the impact of scholarly research. The 20 article title bellows are the most talked about education articles on Twitter, on Facebook and in the news –

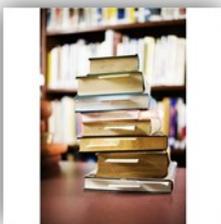
- The effect of Twitter on college student engagement and grades, *Journal of Computer-Assisted Learning*
- Once Upon a Time: Parent-Child Dialogue and Storybook Reading in the Electronic Era, *Mind, Brain & Education*
- The effects of musical training on the decoding skills of German-speaking primary school children, *Journal of Research in Reading*
- Why What Works Wont Work: Evidence-based Practice And The Democratic Deficit in Educational Research, *Educational Theory*
- How and How Not to Prepare Students for the New Tests, *The Reading Teacher*
- Sharing personalised stories on iPads: a close look at one parent-child interaction, *Literacy*

- What is Education For? On Good Education, Teacher Judgement, and Educational Professionalism, *European Journal of Education*
- Specific Reading Comprehension Disability: Major Problem, Myth, or Misnomer? *Learning Disabilities: Research and Practice*
- Boredom in the lecture theatre: An investigation into the contributors, moderators and outcomes of boredom amongst university students, *British Educational Research Journal*
- Parents' experiences of applied behaviour analysis (ABA)-based interventions for children diagnosed with autistic spectrum disorder, *British Journal of Special Education*
- "Not Designed for Us": How Science Museums and Science Centers Socially Exclude Low-Income, Minority Ethnic Groups, *Science Education*
- Twitter for teaching: Can social media be used to enhance the process of learning? *British Journal of Educational Technology*
- To know is not enough: research knowledge and its use, *Review of Education*
- Adolescent Pregnancy's Intergenerational Effects: Does an Adolescent Mother's Education Have Consequences for Her Children's Achievement? *Journal of Research on Adolescence*
- How Ought War To Be Remembered in Schools? IMPACT: Philosophical Perspectives on Education Policy
- Experimental evaluations of elementary science programs: A best-evidence synthesis, *Journal of Research in Science Teaching*
- Is no praise good praise? Effects of positive feedback on children's and university students' responses to subsequent failures, *British Journal of Educational Psychology*
- Second Language Comprehensibility Revisited: Investigating the Effects of Learner Background, *TESOL Quarterly*
- The New Literacies of Online Research and Comprehension: Rethinking the Reading Achievement Gap, *Reading Research Quarterly*
- Enhancing Young Hispanic Dual Language Learners' Achievement: Exploring Strategies and Addressing Challenges, *ETS Research Report Series*

Source: Wiley Education, **Wiley Online Library**. Further information is available at <http://dmmsclick.wiley.com/view.asp?m=819id1prqndh7ghnsqt6&u=22770103&f=h> [accessed 8 May 2017]

[Back to top](#)

## RICS Library services and e-Resources



Source: UCEM (2016)

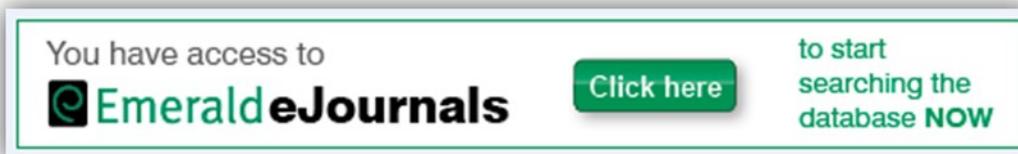
RICS (Royal Institution of Chartered Surveyors) is an international professional body and represents everything professional and ethical in land, property and construction. RICS promotes and enforces the highest professional qualifications and standards in the development and management of land, real estate, construction and infrastructure. Their expertise covers property valuation and management; the costing and leadership of construction projects; the development of infrastructure; and the management of natural resources, such as mining, farms and woodland. RICS Library services and e-Resources [online]. Available at <http://www.rics.org/uk/knowledge/library/> [accessed 8 May 2017].

RICS Library services and e-Resources – Similar to the UCEM e-Library, RICS uses DawsonEra as their eBook platform as well as subscribing to EBSCO and Emerald e-Journals. However, whilst RICS only subscribes to 6 specialised Engineering, Construction and Architectural Management titles, **Note:**

## UCEM Library services and e-Resources incl. Emerald Insight – Access provided to the ‘Property Management and the Built Environment’ collection

UCEM students and staff have access to over 115 Full-Text Journals within ‘Emerald Management e-Journals’, in addition to the entire ‘Property Management and the Built Environment’ collection including the following titles:

- Built Environment Project and Asset Management
- Construction Innovation: Information, Process, Management
- Engineering, Construction and Architectural Management
- Facilities
- International Journal of Housing Markets and Analysis
- Journal of Corporate Real Estate
- Journal of Engineering, Design and Technology
- Journal of Facilities Management
- Journal of Place Management and Development
- Journal of Property Finance
- Journal of Property Investment and Finance
- Journal of Property Valuation and Investment
- Property Management
- Smart and Sustainable Built Environment
- Structural Survey



**NOTE:** For the above link to work you must ensure that you are logged-in to **Athens (Section 2 of the VLE e-Library)**

Please also refer to the **UCEM e-Library portrait** and **Journal Review** mentioned below that shows a wealth of additional and valuable resources that the UCEM Library offers.

Please also note the **RICS Library Online catalogue** which is an excellent resource. Available at <http://unicorn.rics.org/uhtbin/cgisirsi.exe/0/0/0/60/69/X> [accessed 8 May 2017]

[Back to top](#)

---

**& finally ....**

### **[Could this house be the answer to building on flood plains?](#)**

- Larkfleet is developing a flood house which jacks itself up to save it from damage. This novel solution to flood risk is one of several being considered to enable developers to build on marginal land across the UK. Unlike previous years, there has not been serious flooding in the UK last winter. This may be more of an exception than a return to the norm as more flooding events are certainly expected in the future with the onset of global warming, and the incidents are expected to become more-and-more extreme.

The UK also has an ever-growing population, and subsequent housing need. This has led to a housing crisis which has now been in existence for several decades. All previous attempts to resolve it have failed with all the main political parties now advocating more house building, with the Conservatives wedded to the policy of delivering a million new homes by 2020. There is significant pressure on scarce land, especially in the south east.

This has led developers to look more closely at ‘marginal’ land, which has an increased risk of flooding, especially in urban areas.

**Larkfleet** has come up with a novel solution to building on this marginal land: a house which actually rises up above the flood. It has been granted planning permission by South Holland District Council to build a prototype in Weston Hills, near Spalding, Lincolnshire. The three-bedroom detached property will be capable of being raised 1.5 metres on eight mechanical jacks powered by a central motor, gear box and drive shafts, in approximately five minutes. If the testing is successful, it could provide a solution to allow development on thousands of flood zone sites around the country.

The 65-tonne prototype house will be of modular steel frame construction and will sit on a steel beam in place of traditional foundations. Experiments with raising and lowering the house – including testing long-term maintenance and operation of the jacking system – will run for up to five years. When the tests are complete, the house will be disassembled and re-built on another site on conventional foundations as a family residence.

It is anticipated that the house will be jacked-up in advance of a flood, based on warnings from the Environment Agency. Residents are expected to pack up, lock up the home before taking refuge in emergency accommodation on higher ground elsewhere, although not necessarily.

Larkfleet is working with BRE near Watford to test the technology.

Access to further information is available at:

Source: Hardware M (2017), Building Research Establishment (BRE) – ‘Could this house be the answer to building on flood plains?’, *Building4Change* [online], 26 April. Available at <http://www.building4change.com/article.jsp?id=2818#.WQyeuGnytEY> [accessed 8 May 2017], **ARTICLE #2818** (BRE).

[Back to top](#)



## Property and Construction Statistics

### **Q1 2017: UK Commercial Market Survey** – RICS Economic Research, **April 2017**

Within this RICS UK Commercial Property Market Survey, *Sentiment continues to improve away from the capital*

- Headline rental and capital value growth expected to accelerate once again
- Industrial sector continues to post strongest underlying results
- London office and retail occupier space likely to see further modest pull back

“The Q1 2017 RICS UK Commercial Market Survey shows both rental and capital value growth projections strengthening at an aggregate level, with sentiment still strongest across the industrial sector. Meanwhile, the office and retail areas of the market appear a little flatter in comparison. Demand indicators remain mixed across the London occupier market, although activity on the investment side saw some improvement according to the latest results.

Nationally, tenant demand increased at the all-sector level for the third consecutive quarter, albeit the pace of growth remained only modest. The sector breakdown again shows office and retail demand struggling for momentum, posting net balances of -1% and +4%, respectively. Availability continues to decline sharply in the industrial sector, with 33% more respondents noting a fall (as opposed to an increase) during Q1. By the way of contrast, space available for occupancy increased marginally in the retail segment (the first reported rise since 2013). Given these demand and supply dynamics, rents are expected to rise most firmly in the industrial sector,

both over the near term and at the twelve month horizon. At the same time, offices are expected to see only modest growth, while rents are anticipated to hold steady in the retail segment.

On the investment side of the market, enquiries continue to increase across all sectors with a net balance of +18% of respondents reporting a pick-up in demand in Q1. Overseas investment demand grew at a similar pace in each market segment, although the overall demand indicator remains most elevated in the industrial sector. Alongside this, the supply of property for investment purposes fell significantly in the office and industrial sectors while the decline was more modest in the retail sector.”

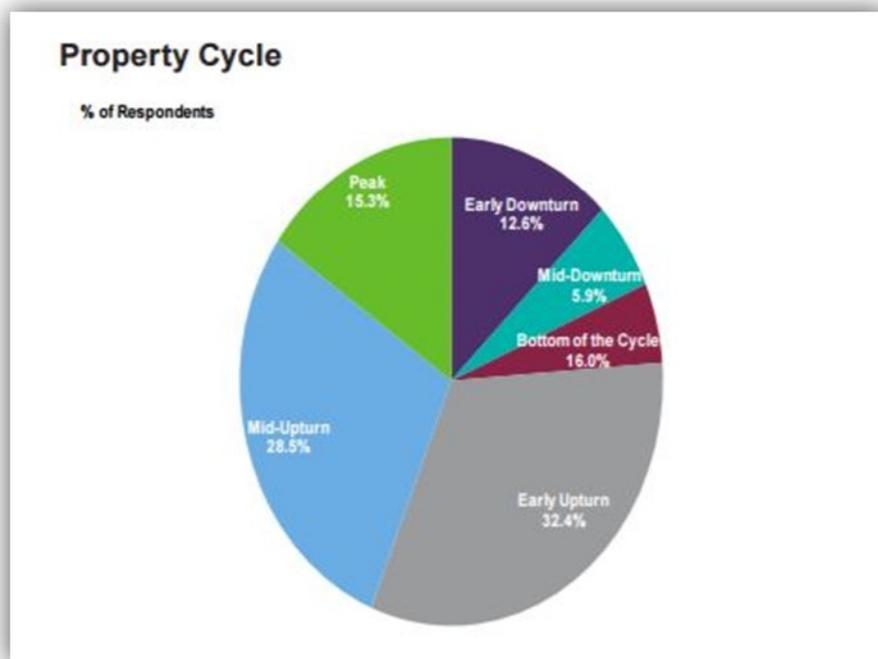
Source: Rubinsohn, S., Hanley, M., Economist, and Parsons, T., [et al.] Economist, RICS Corporate Affairs, RICS (Q1, 2017), *RICS UK Commercial Market Survey*, RICS, London [online]. Available at <http://www.rics.org/uk/knowledge/market-analysis/rics-uk-commercial-market-survey/> [accessed 8 May 2017].

### **Q1 2017: Commercial Property Market Survey**



Source: RICS Economics Research: UK Construction Market Survey (Q1: 2017), page 4

### **Q1 2017: Commercial Property Market Survey cont.**



Source: RICS Economics Research: UK Commercial Market Survey (Q1: 2017), page 4

Please note: **RICS Knowledge – Market Surveys, monitors and other analysis** - RICS Economics' market surveys and reports are freely available from the RICS web site – <http://www.rics.org/uk/knowledge/> [accessed 8 May 2017] and **Market Surveys** [online] available at <http://www.rics.org/uk/knowledge/market-analysis> [accessed 8 May 2017]

These include:

- **The monthly UK Residential Market Survey.** **Note:** The latest survey, dated 12 April 2017
- Commercial property – Analysis and discussion papers
- **Commercial property - UK Commercial Market Survey** **Note:** The latest survey, dated 24 April 2017
- **Quantity surveying and construction – UK Construction Market Survey**
- Commercial property – Global Commercial Property Monitors
- Quantity surveying and construction – Global Construction Market Survey
- Rural – RICS/RAU Rural Land Market Survey and Land Prices. **Note:** The latest survey, dated 22 February 2017
- Residential property – UK Chart Book
- Facilities management – Pub Benchmarking Survey
- Residential property – Hong Kong Residential Market Survey. **Note:** The latest survey, dated 18 April 2017
- RICS/Ci Portuguese Housing Market Survey
- Cyprus Property Price Indices

Source: Rubensohn, S., Hanley, M., Economist, and Parsons, T., [et al.] Economist, RICS Corporate Affairs, RICS (Q1, 2017), *RICS UK Commercial Market Survey*, RICS, London [online]. Available at <http://www.rics.org/uk/knowledge/market-analysis/rics-uk-commercial-market-survey/> [accessed 8 May 2017].

**N.B.** The RICS published report, entitled, '*UK Construction Market Survey*', can be accessed through **ISURV** [online], available via the **VLE e-Library** and **section 5 – Industry Sources**.

Alternatively, please request a copy from the UCEM Library by emailing [library@ucem.ac.uk](mailto:library@ucem.ac.uk) .

[Back to top](#)

## [Latest RICS Research/Market Surveys available - UK Residential Market Survey \(2017\)](#)

*UK Residential Market Survey* - A leading sentiment indicator of conditions in the UK residential sales and lettings markets, used by the Bank of England and covered across the media.

The UK Residential Market Survey is used by the Government, the Bank of England and other key institutions, including the International Monetary Fund (IMF), as an indicator of current and future conditions in UK residential sales and letting. It is covered extensively in the media and is the leading source of market intelligence, highly regarded both by investors and across the industry.

By visiting the website of the Royal Institution of Chartered Surveyors [online], you can access, read-online and download surveys from the last two years.

For further information, visit the **RICS** website, and select **Knowledge**, and **Market Surveys** from the toolbar and the top of the RICS website, *UK Residential Market Survey, February* (and published **13 April 2017**) [online] and available @ <http://www.rics.org/uk/knowledge/market-analysis/rics-residential-market-survey/> [accessed 8 May 2017]

**RICS.org.uk** <http://www.rics.org/uk/> [accessed 8 May 2017]



<https://twitter.com/RICSNews> [accessed 8 May 2017]



<https://www.facebook.com/ricssurveyors> [accessed 8 May 2017]



<https://www.linkedin.com/groups?gid=88902> [accessed 8 May 2017]

[Back to top](#)

## **Barbour API's *Economic & Construction Market Review***

- The *Economic and Construction Market Review* provides valuable insight and market intelligence to help forecast new business opportunities and driver marketing activity.

This monthly round up of construction market intelligence combines data on the UK construction industry trends and analysis with data on the economic climate from previous months. Barbour's Lead Economist Michael Dall compiles the monthly *Economics & Construction Review*, so you can rely on the most valuable, and up-to-date information each and every month.

*Economic and Construction Market Review* includes:

- UK Economic Trends – The latest GDP, unemployment and economic growth figures
- Construction Sector Performance – The latest construction industry figures including information from the Office for National Statistics, the best performing sectors and the levels of construction contracts from across the UK.

Further information and access to the review is available via

Barbour Index API, *Economic and Construction Market Review* [online]. Available at: <http://www.barbour-abi.com/economic-and-construction-market-review/> [accessed 8 May 2017]

[Back to top](#)

## **Latest Statistics from the [Office for National Statistics \(ONS\)](#)**

**Office for National Statistics (ONS), *Release calendar* [online]**

Office for National Statistics (ONS), *Release calendar* [online] and available @ <http://www.ons.gov.uk/releasecalendar> [accessed 19 May 2017]

The above mentioned link provides access to the Office for National Statistics (ONS) releases only. For official statistical releases across government [visit the Publication Hub](#) -

GOV.UK, *Statistics: release calendar* [online] and available @ <https://www.gov.uk/government/statistics/announcements> [accessed 19 May 2017].

[Back to top](#)

## Office for National Statistics - Construction Industry

- Construction of new buildings and repairs or alterations to existing properties in Great Britain measured by the amount charged for the work, including work by civil engineering companies.

Office for National Statistics (2017), Business, industry and trade, Construction industry [online] and available at <http://www.ons.gov.uk/businessindustryandtrade/constructionindustry> [accessed 19 May 2017]

From the above mentioned webpage you can access

**Datasets, Publications/articles** and **Methodology**, as well as **'All data'** and **'All publications'**

[Back to top](#)

## Construction industry highlights include:

### [Construction output in Great Britain: Mar 2017 and Jan to Mar 2017](#)

- Short-term measures of output by the construction industry in Great Britain and contracts awarded for new construction work in the UK

What's in the bulletin?

- Output in the construction industry grew 3 month on 3 month for the fifth consecutive period, rising by 0.2% in the first quarter of 2017; this is in line with the estimate for construction output included in the preliminary estimate of gross domestic product for January to March 2017.
- Despite growing on a quarterly basis, construction output fell for the third consecutive period month-on-month, decreasing by 0.7% in March 2017.
- New housing experienced strong growth in March, increasing month-on-month by 3.8%; month-on-year by 5.4%; and quarter-on-quarter by 0.2%.

Office for National Statistics (2017), Construction Industry, *Construction output in Great Britain: Mar 2017 and Jan to Mar 2017* [online]. Available at <https://www.ons.gov.uk/businessindustryandtrade/constructionindustry> [accessed 19 May 2017] and <https://www.ons.gov.uk/businessindustryandtrade/constructionindustry/bulletins/constructionoutputingreatbritain/mar2017andjantomar2017> [accessed 19 May 2017]

[Back to top](#)

## Datasets related to Construction industry incl.

- **Output in the Construction Industry** – Monthly output at current price and chained volume measures seasonally adjusted by public and private sector. Quarterly non-seasonally adjusted type of work and regional data.
- **Output in the Construction Industry, All Work Summary** – Monthly output all work summary at current price and chained volume measure seasonally adjusted by public and private sector
- **New Orders in the Construction Industry** – Quarterly new orders at current price and chained volume measures seasonally adjusted by public and private sector. Quarterly non-seasonally adjusted type of work and regional data.
- **Interim construction output price indices** – Monthly construction output price indices (OPIs) from January 2014 to December 2015, and

- **Construction Statistics Annual Tables** – These tables cover a wide range of statistics that are currently available on the construction industry.

[Back to top](#)

## **Output in the Construction Industry, [Construction Statistics Development Programme – Work plan](#)**

The [Construction Statistics Development Work Plan](#) (104.4 Kb Pdf) provides users with information on the work that will be completed over the next 12 months, including investigations into both the nominal data and options for measuring construction price statistics.

Office for National Statistics (ONS), 11<sup>th</sup> December 2015, Release: *Output in the Construction Industry, Construction Statistics Development Programme – Work Plan* [online]. Available at <http://www.ons.gov.uk/ons/rel/construction/output-in-the-construction-industry/construction-statistics-development-programme--work-plan/index.html> [accessed 19 May 2017]. **N.B.** This item has been placed with **The National Archives** as the ONS website has now been updated.

### **Related Link:**

Office for National Statistics (ONS), 29 February 2016, Article: *Construction Output Price Indices (OPIs): Interim solution, Quarter 4 (October to December) 2015* [online]. Available at <http://www.ons.gov.uk/businessindustryandtrade/constructionindustry/articles/constructionoutputpriceindicesopis/interimsolutionquarter4octobertodecember2015> [accessed 19 May 2017]

- This article contains a summary of the construction output price indices (OPIs) for Quarter 4 (October to December) 2015, produced using an interim solution whilst ONS continues to develop appropriate methodologies for the long-term. Data in this release are experimental statistics.

[Back to top](#)

## **[Construction Statistics, No. 17, 2016 Edition \(Latest release\)](#)**

- A wide range of statistics on the construction industry in Great Britain: statistical trends, international comparisons and leading initiatives that may influence the future.

**Construction** industry – **Construction** of new buildings and repairs or alterations to existing properties in Great Britain measured by the amount charged for the work, including work by civil engineering companies.

The construction statistics annual publications bring together a wide range of statistics currently available on the construction industry from a variety of sources. This edition updates the figures for Tables 2.4, 2.8, 2.9, 3.1, 3.3, 3.4, 3.5 that were supplied in **Construction Statistics Annual 2015**. All other tables that were previously contained in the annual statistics publication are no longer collated and published by the Office for National Statistics (ONS). Where these data tables are no longer published, links have been provided for you to obtain the relevant data. This is the eighth web-based – only edition and the tables produced by the ONS are available in an **Excel dataset**, allowing independent analyses of the published information.

These National Statistics are produced to high professional standards and released according to the arrangements approved by the UK Statistics Authority.

Office for National Statistics (ONS), 22 August 2016, *Construction Statistics, No. 17, 2016* [online]. Available at <http://www.ons.gov.uk/businessindustryandtrade/constructionindustry/articles/constructionstatistics/no172016edition> [accessed 19 May 2017]

### **Related articles/links:**

ONS Article: *Construction Output Indices (OPIs): Interim solution, Quarter 4 (October to December) 2015* [online]. Available at <http://www.ons.gov.uk/businessindustryandtrade/constructionindustry/articles/constructionoutputpriceindicesopis/interimsolutionquarter4octobertodecember2015> [accessed 19 May 2017]

- This article contains a summary of the construction output price indices (OPIs) for Quarter 4 (October to December) 2015, produced using an interim solution whilst ONS continues to develop appropriate methodologies for the long-term. Data in this release are experimental statistics.

ONS Article: *Construction Output Price Indices (OPIs): Quarter 2 (April to June) 2016* [online]. Available at <http://www.ons.gov.uk/businessindustryandtrade/constructionindustry/articles/interimsolutionforconstructionoutputpriceindices/quarter2apriltojune2016> [accessed 19 May 2017]

- This article contains a summary of the construction output price indices (OPIs) for Quarter 2 (April to June) 2016, produced using an interim solution whilst ONS continue to develop appropriate methodologies for the long-term. Data in this release are experimental statistics.

ONS Dataset: *Construction Statistics Annual Tables* [online]. Available at <https://www.ons.gov.uk/businessindustryandtrade/constructionindustry/datasets/constructionstatisticsannualtables> [accessed 19 May 2017]

**Office for National Statistics (ONS), Construction Statistics Articles** [online]. Available at <http://www.ons.gov.uk/businessindustryandtrade/constructionindustry/articles/constructionstatistics/previousReleases> [accessed 19 May 2017]

**Note:** As of 2016, the Office for National Statistics website has been updated and by selecting ‘**Construction**’, ‘**Construction Industry**’, ‘**Construction Statistics**’ a wealth of information is available. ONS website @ [www.ons.gov.uk](http://www.ons.gov.uk) [accessed 19 May 2017].

**Office for National Statistics (ONS) website** [online]. Further information is available at <http://www.ons.gov.uk/ons/index.html> [accessed 19 May 2017]



<https://twitter.com/ONS> [accessed 19 May 2017],



<https://www.facebook.com/ONS> [accessed 19 May 2017],



<https://www.linkedin.com/company/office-for-national-statistics> [accessed 19 May 2017]



<https://www.youtube.com/user/onsstats> [accessed 19 May 2017],

**ONS, Browse by Theme** [online] and available @ <http://www.ons.gov.uk/ons/browse-by-theme/index.html> [accessed 19 May 2017]. Please refer to

‘**Business and Energy**’ 

‘**Production Industries**’  and

‘**Building and Construction**’ 

[Back to top](#)

## **Glenigan, provider of UK construction project sales leads, market analysis, forecasting, and company intelligence**

### **Construction Market Analysis**

- Grow your business and reduce risk by using in-depth construction market analysis and robust data-driven forecasts. You can examine performance and prospects nationally; by each of the 12 Government economic regions; and 11 market segments. You can explore the market at the right state of your business whether that is

during planning; at the tendering and contract phase; or when projects have started on site. This information and more can be accessed, read-online and downloaded via the

**Glenigan** website [online] and available at <https://www.glenigan.com/construction-market-analysis/news/2015-construction-kpis> [accessed 19 May 2017]

[Back to top](#)

## Health and Safety Executive (HSE) – Construction Statistics

The mission of the Health and Safety Executive (HSE) is to prevent death, injury and ill health in Great Britain's workplaces. Areas covered within the HSE Website incl.

- Openness
- Standards and performance
- Framework management standards
- Health and safety inspection visits
- Real people vide

The HSE's work covers a varied range of activities; from shaping and reviewing regulations, **producing research and statistics** and enforcing law.

For further information on **HSE's Construction Statistics** visit the following:

Source: Health and Safety Executive (HSE) website and select

'Statistics'   
'Industries'  and  
'Construction' ,

that will take you to 'Construction Industry'.

HSE [online] and further information available at

<http://www.hse.gov.uk/Statistics/industry/construction/index.htm> [accessed 19 May 2017]

HSE, *About us* [online] and further information is available at <http://www.hse.gov.uk/aboutus/insidehse.htm> [accessed 19 May 2017]

[Back to top](#)

## GOV.UK – Construction Statistics

**GOV.UK**, Department for Business, Innovation and Skills (BIS), 30<sup>th</sup> January 2013, Collection: *Construction statistics* [online] and further information incl.

- Monthly Statistics of Building Materials and Components;
- BIS Construction Price and Cost Indices Online;
- Construction Key Performance Indicators;
- Output and New Orders in the Construction Industry; and
- Consultative Committee on Construction Industry Statistics (CCIS)) are available at

GOV.UK, Department for Business, Innovation and Skills (BIS), *Construction Statistics* [online] with further information and web links provided @ <https://www.gov.uk/government/collections/construction-statistics> [accessed 19 May 2017]

&

House of Commons Library, Briefing Papers incl. [The Construction Industry: statistics and policy](#)

- **Key statistics on the construction industry – employment, new orders, output. Also construction sector policy initiatives.**

In 2014 the construction industry in the UK contributed £103 billion in economic output, 6.5% of the total.

2.1 million jobs or 6.25 of the UK total were in the construction industry in Q 2015.

The construction industry, particularly house building, fared badly during the recession. Output in the construction sector fell faster than the whole economy in 2008. 2009 saw the sector recover faster than the economy as a whole, and 2010 and 2011 saw broadly flat growth, followed by another contraction in 2012 and partial recovery through 2013.

The Coalition Government's strategy paper on the construction industry is *construction 2025*, published in July 2013.

The construction industry was also highlighted in the March 2011 *Plan for Growth*.

Rhodes C (2015), *Construction industry: statistics and policy*, House of Commons Library, Briefing Paper Number 01432, 6 October 2015 [online] and available at

<http://researchbriefings.parliament.uk/ResearchBriefing/Summary/SN01432> [accessed 19 May 2017]

[Back to top](#)



## e-Journal Review

### RICS **Modus** Digital Magazine – May 2017: [The Responsible issue](#)

- Despite efforts to promote a less adversarial culture in construction, disputes are becoming more protracted. Last year's (see publication date) Arcadis survey of global construction disputes shows they are taking longer to resolve – lasting an average of 13 months, compared to nine in 2010.

Therefore, it's much better to avoid getting to the point of conflict in the first place – and this is leading to an increasingly high profile for conflict avoidance techniques such as dispute boards and conflict avoidance panels. In this month's cover feature, Modus takes a look at the advantages and challenges of dispute boards and conflict avoidance panels in construction, while also speaking to some of the professionals around the world working on such boards and panels to find out what it takes to perform this trickiest of project roles.

#### Also in this month's "Responsible" issue:

- Digital disruption is a phrase as much admitted as it is feared, representing the process of lean, smart digitally-enabled companies arriving in new markets and changing the game entirely. But what challenges does the trend represent when it comes to regulation and legislation? Peer-to-peer property lenders, for example, are much less highly regulated than funds. Modus discusses the measures that may be needed to allow this market to develop, while also protecting the consumer.
- Modus meets three surveyors across the world who have worked on both sides of the private/public sector fence, and have decided that they prefer the latter. Modus asks them what it is that draws them back to the public sector, and what they have to say to those who see it as a second-best option.
- Japan is a world leader in offsite housing production, allowing it to create 140,000 such buildings in 2014 alone. But there is a flipside to this homebuilding culture, in that housing in the country is widely considered to be a disposable asset. In this feature, Modus examines the factors that have led Japan to take this approach, and what we can learn from this completely different housing paradigm.

This digital magazine can be accessed by following the above mentioned web link.

Modus contains regular sections on

- **Feedback** – Readers views on Modus and the surveying profession

- **Intelligence** – Global news, RICS President’s column, plus opinions, advice and information, reviews and reactions
- **Law advice** – Legal 101 ... Financial reporting of service charges
- **Business advice** – Conducting a consultation process

**This issues features include:**

- Cover story - How dispute boards can keep your construction project running smoothly
- Best before 2047 - Can Japanese housebuilders kick their build-them-cheap, knock-them-down habit?
- Catch me if you can - The explosion of peer-to-peer lending has created a headache for regulators
- Let’s be civil about this - Modus talks to three surveyors who swapped a private life to work in the public sector
- The hit factory - Why Europe’s factory outlet centres are the latest investment fashion trend
- Batteries included – Affordable housing and pioneering power packs at Nottingham’s Trent Basin
- **Thinking:** Tim Marshall

To truly understanding the impact of globalisation, we need to study a map, says the author and journalist

- **Difference of opinion** – What effect will the UK government’s recent white paper have on the current housing crisis? Modus hears two points of view
- **Mind Map** - Deloitte’s Will Matthews on the vulnerability of smart buildings
- **Professional Development** - Cracking the UK’s revised telecoms code
- **Careers** - How to work your role into a job share; Taylor Wessing’s Erwin Hanslick MRICS

Topics covered include ‘**Commercial property**’, ‘**Dispute resolution**’, ‘**Residential property**’, ‘**Affordable housing**’ and ‘**Finance & taxation**’.

Royal Institution of Chartered Surveyors (RICS), Oliver Parsons, Editor of Modus, *Modus*, May 2017 – The Responsible issue [online], RICS, Knowledge, Journals. Available at:

<http://www.rics.org/uk/news/journals/modus/the-responsible-issue/> [accessed 8 May 2017]

**Please note:** In addition to *MODUS*, RICS publishes other journals that are free to view online incl.

- **Construction Journal,**
- **Building Surveying Journal,**
- **Building Conservation Journal,**
- **Building Control Journal,**
- **Land Journal,** and
- **Property Journal.**

Source: Royal Institution of Chartered Surveyors (RICS). Further information can be accessed via the RICS Website, News, Journals [online] and available at <http://www.rics.org/uk/news/journals/> [accessed 8 May 2017]

[Back to top](#)

Latest issue of **Contractors World** (Vol. 6, No 2) incl.

**Cover story: On the road to recovery in Yorkshire**

- It has been over 200 days since communities across Yorkshire had their Christmas stolen by Storm Eva. Flood defences were damaged and telemetry stations – which monitor river levels – logged record-breaking levels, alongside the obvious and devastating damage to businesses and property across Yorkshire.

The Leeds EA office has become a hive of recovery activity. They have a repair programme consisting of 400 projects and just as many issues raised by businesses, residents and professional partners such as the local

council. They have visited over 150 communities and completed 162 projects to repair damaged flood defence assets, with an ambitious target to complete all remaining repair works by the end of September.

They have repaired all 62 telemetry site faults within 5 days – most of these faults related to power disruption but some were actually under water. They are working hard to ensure there is still an effective flood warning service and a skilled field team who continue to work on flood-risk modelling, planning and the funding aspect of flood schemes.

One example of the vital work they are doing is the installation of temporary defences at Vodafone in Leeds and at BT in York, preventing the loss of communications across Yorkshire.

They have also set up an office hub in Mytholmroyd, Calderdale, to support the ever-growing flood warden and flood action groups. Their relationships with local communities have been critical and they were invited to help celebrate with residents in Hebden Bridge when they held their ‘alternative Christmas’ party on 25 June.

For further information, visit

Contractors World, (2016), ‘On the road to recovery in Yorkshire’, *Contractors World UK & Ireland* Volume 6, No 2, 2016, Pages 20 & 21 of 39 [online]. Further information available at <http://cwmags.co.uk/cwuk-6-2/basic/index.php> [accessed 19 May 2017] and <http://cwmags.co.uk/cwuk-6-2/basic/page20.php> [accessed 19 May 2017]

**Contractors World** magazines (incl. **Contractors World International** and **Contractors World UK & Ireland**) are the leading international digital publications. Delivering site reports, equipment reviews and comments of interest on the construction, mining, quarrying and related industries, and including videos [online]. Available at <http://cwmags.co.uk/index.php> [accessed 19 May 2017].

## **& Steel or Timber – How will the housing market react?**

**- With an increased emphasis on modern methods of construction and the benefits of off-site manufacturing, the steel industry is increasingly developing new systems for homes of the future**

In this article, Phil Bloomfield, Commercial Director at the British Board of Agrément (BBA), discusses how it could even challenge the dominance of timber-framed houses in the years to come.

There is nothing new about steel-framed homes, which were widely used to tackle the housing shortage just after the Second World War – and many are still standing and are being refurbished by housing associations to bring them up to modern standards.

Until fairly recently it was almost impossible to obtain a competitive mortgage on a steel-framed home because of corrosion problems and other perceived disadvantages, but that has all changed, say the BBA, who are working with key suppliers to raise standards and improve quality to meet the demand for offsite construction.

The housing and residential sector demands buildings that are energy efficient, that offer rapid construction potential and are of high quality. Steel and composite construction has achieved a significant market share in the medium-rise residential sector in the UK because of the need to build quickly, particularly in urban projects.

For further information, visit

Contractors World, (2016), ‘Steel or Timber – How will the housing market react?’, *Contractors World UK & Ireland* Volume 6, No 2, 2016, Page 15 [online]. Further information available at <http://cwmags.co.uk/cwuk-6-1/digital/#20> [accessed 19 May 2017]

**Contractors World** magazines (incl. **Contractors World International** and **Contractors World UK & Ireland**) are the leading international digital publications. Delivering site reports, equipment reviews and comments of interest on the construction, mining, quarrying and related industries [online]. Available at <http://cwmags.co.uk/index.php> [accessed 19 May 2017].

[Back to top](#)

## BIFM Digital Magazine – **FM World** May 2017: the latest issue

**fm-world.co.uk** is the online magazine of the British Institute of Facilities Management (BIFM) and is available to access and view online.

In this latest issue,

### **FM Industry News:**

- Tech should be used to cut food waste, say contract caterers
- FM rising stars nominated in We Are The City Awards
- BIFM launches third annual FM Middle East Business Confidence Monitor
- UK-GBC presses for mandatory operational energy ratings
- BSRIA study looks at the 'Generation Z' workplace

### **Business News:**

- Engie scoops five-year TfL contract
- Mortice locks down above-forecast earnings
- Smartspace FM gives Wates Group a 'solid performance'
- Peter Jones joins NG Bailey as MD
- Fluid announces Wagamama contract win

### **News analysis:**

- How buildings can take a fitness test
- ThinkFM 2017: How technology maps the way ahead
- Hot drink provision – how have trends changed?
- Learner of the Year Awards to be launched at BIFM Achievement Ceremony
- Savills predicts a business exodus to London's outer boroughs

### **Business analysis:**

- Due diligence key to Brexit
- Bang goes the nuclear theory
- Doubt remains the name of the game
- FM: Going from B2B to H2H
- A new tune for Bellrock

Source: British Institute of Facilities Management (BIFM), *FM World*, News, 12<sup>th</sup> and 19<sup>th</sup> May 2017, **fm-world.co.uk** [online]. Further information available at <http://www.fm-world.co.uk/> [accessed 19 May 2017] and <http://www.fm-world.co.uk/news/> [accessed 19 May 2017], London: Redactive Publishing Ltd.

[Back to top](#)

---

## The Heritage Alliance's latest **'Heritage Update'** [E-Bulletin](#) – May 2017

Heritage Update is the Heritage Alliance's voice to, and for, the sector. The popular fortnightly e-bulletin offers policy updates, news, a consultation round-up, events / course listings and job vacancies.

The latest issue (May 2017) that can be accessed and downloaded (for personal use as reference) from the above mentioned web link and contains further information on the following:

### **Heritage Update E-Bulletin**

#### **Headlines:**

- **Share the Heritage Manifesto 2017!**
- **Heritage Alliance Housing White Paper response**

- Code of Fundraising Practice – consultation response
- Scottish Confucius Institute for Business & Communication at Heriot-Watt University joins the Heritage Alliance
- Find the Heritage Alliance a new home!
- Volunteer at the Heritage Alliance
- Giving to Heritage – Participant Survey

#### News round-up:

- Quarter of charity annual reports fail to meet basic standards
- **Guidance: Brownfield registers and permission in principle**
- **New website for the museum and heritage sector**
- Historic England Angel Awards now open for nominations
- Museums and galleries tax relief postponed
- **Heritage statistics: diversity and museums and galleries**
- **S.215 notice not correct way to require repainting of house**
- In Harm's Way
- 'Free' tours
- Gary Kemp among new trustees of the Theatres Trust
- **Nominations open for The Victoria Society's Top 10 Endangered Buildings**
- **New National Trust Arts and Crafts attractions**
- Leighton Buzzard Railway receives the Heritage Railway Association Award
- Rare Meissen figure at risk of leaving the UK
- Adopt a canal!
- Bath Preservation Trust issues new guidance for listed building in Bath
- 2017 Discover Heritage Awards – Shortlist and Commendations Announced

#### Have your say

- Open consultations
- and more.

Source: Heritage Update e-Bulletin [online], Issue **No 346**, 5 May, 2017, The Heritage Alliance. Available at: <http://www.theheritagealliance.org.uk/heritage-update> [accessed 19 May 2017]

Heritage Update: **the online edition** of the fortnightly e-bulletin [online] and available at <http://www.theheritagealliance.org.uk/update/> [accessed 19 May 2017]



[https://twitter.com/Heritage\\_NGOs](https://twitter.com/Heritage_NGOs) [accessed 8 May 2017]



<https://www.linkedin.com/grp/home?gid=4898001> [accessed 8 May 2017]

[Back to top](#)

## Share the Heritage Manifesto 2017!

Firstly, the Heritage Alliance thanked members who responded to their policy priorities survey. These responses have been used to create the **Heritage Manifesto 2017** setting out five simple asks for the next Government.

The Heritage Alliance hopes that their members will share it in their newsletters and widely on social media using #HeritageManifesto. Please use it as a base for advocacy work.

To realise the power of heritage, The Heritage Alliance called on all political parties to:

- Maximise the advantages, and minimise the disadvantages, of Brexit for heritage;
- Maintain and improve the protection for heritage;
- Attract more investment and engagement in heritage, and build sector skills and capacity;
- Effect positive fiscal change for heritage;
- Continue to back Lottery funding for heritage.

Lloyd Grossman, Heritage Alliance Chairman, said:

“I urge all political parties to take on board the five simple asks in our Heritage Manifesto. Heritage is not simply about our past, it’s vital to creating places for the future in which people want to live and invest. Heritage is a major industry in its own right with heritage construction alone worth £9.7 billion in England. Importantly during an election campaign, heritage is also a vote winner. People love heritage – nearly four times more people visited heritage attractions in 2016 than attended league and championship football matches. In uncertain times, all politicians should see the value in ensuring that the heritage sector can tell our nation’s stories and support social cohesion, rootedness and identity.’

The Prime Minister has announced that the General Election will be on 8<sup>th</sup> June and Parliament has now been dissolved. The Alliance will be looking at the emerging party manifestos for support for all aspects of the historic environment sector’s work.

#### **Related Links:**

The Heritage Alliance (2017) *The Heritage Manifesto 2017* [online]. Available at <http://www.theheritagealliance.org.uk/> [accessed 19 May 2017]

BBC News, UK Politics (2017) *Election campaigning latest* [online]. Available at <http://www.bbc.co.uk/news/live/uk-39628713> [accessed 19 May 2017]

Source: Heritage Update e-Bulletin [online], Issue **No 346**, 5 May, 2017, The Heritage Alliance. Available at: <http://www.theheritagealliance.org.uk/heritage-update> [accessed 19 May 2017]

Heritage Update: **the online edition** of the fortnightly e-bulletin [online] and available at <http://www.theheritagealliance.org.uk/update/> [accessed 19 May 2017]

[Back to top](#)

## **Heritage Alliance Housing White Paper response**

The Heritage Alliance has **submitted its response** to the Government’s consultation on its Housing White Paper.

The Heritage Alliance argue that heritage is vital to the housing market. It creates and shapes the places where people want to live and invest.

The Heritage Alliance state that the Government should ensure that a proportion of the money raised from planning fee increases is specifically ring-fenced for conservation expertise within planning departments.

The proposals in question 4 would see the list of examples of types of policies which justify preventing development turned into an exhaustive areas, and adds new protection for veteran trees. While simplifying the NPPF is something The Heritage Alliance agree with, this must not undermine existing protections for the historic environment.

Question 13 addressed the scope to extend buildings upwards in urban areas. A permitted development right which allows building up could have negative effects on our historic townscapes and should be controlled by planning permission.

#### **Related Links:**

The Heritage Alliance (2017) *Read our response to the Housing White Paper* [online]. Available at <http://www.theheritagealliance.org.uk/> [accessed 19 May 2017]

Source: Heritage Update e-Bulletin [online], Issue **No 346**, 5 May, 2017, The Heritage Alliance. Available at: <http://www.theheritagealliance.org.uk/heritage-update> [accessed 19 May 2017]

Heritage Update: **the online edition** of the fortnightly e-bulletin [online] and available at <http://www.theheritagealliance.org.uk/update/> [accessed 19 May 2017]

[Back to top](#)

## Guidance: Brownfield registers and permission in principle

The Government has **published guidance** for local authorities in their implementation of new brownfield registers of land suitable for housing. Sites entered on Part 2 of the new brownfield registers of land suitable for housing. Sites entered on Part 2 of the new brownfield registers will be granted permission in principle. The proposals came in to force in mid-April 2017 and local authorities will be expected to have compiled their registers by 31 December 2017.

The Government states that brownfield registers will not undermine the protection of heritage assets as ‘Local planning authorities must take into account the National Planning Policy Framework when identifying sites to include in their brownfield registers. The Framework has strong policies to protect the natural and built environment and conserve and enhance the historic environment. It also requires authorities to ensure that a residential use is appropriate for the location and that a site can be made suitable for its new use.’

However, the list of sites should not be included on Part 2 of brownfield registers, i.e. sites which should not be granted permission in principle, set out at para 12, does not explicitly include sites with heritage assets.

Source: Heritage Update e-Bulletin [online], Issue **No 346**, 5 May, 2017, The Heritage Alliance. Available at: <http://www.theheritagealliance.org.uk/heritage-update> [accessed 19 May 2017]

Heritage Update: **the online edition** of the fortnightly e-bulletin [online] and available at <http://www.theheritagealliance.org.uk/update/> [accessed 19 May 2017]

[Back to top](#)

## New website for the museum and heritage sector

The Association of Independent Museums (AIM) has launched a new website with free resources and publications, including a section for heritage trustees and event listings.

The website includes AIM’s own online content combined with new and useful sections such as case studies from UK museums and heritage sector news and has been designed to be viewable on mobile phones and tablets so you can stay in touch with AIM on the move. It can be found at

Association of Independent Museums website [online]. Available at [www.aim-museums.co.uk](http://www.aim-museums.co.uk) [accessed 19 May 2017]

AIM’s website has long been a valuable hub of information for the museum sector, but the new version has been designed to make AIM updates and resources much easier to find by bringing together resources on similar topics in the same pages. The Latest News section will cover hot topics, grants, jobs and events from across the sector to help keep AIM members and other heritage organisations updated on the latest opportunities.

Source: Heritage Update e-Bulletin [online], Issue **No 346**, 5 May, 2017, The Heritage Alliance. Available at: <http://www.theheritagealliance.org.uk/heritage-update> [accessed 19 May 2017]

Heritage Update: **the online edition** of the fortnightly e-bulletin [online] and available at <http://www.theheritagealliance.org.uk/update/> [accessed 19 May 2017]

[Back to top](#)

## Heritage statistics: diversity and museums and galleries

The *Taking Part* survey results for April 2017 on diversity trends and museums and galleries **have been published**.

**Diversity Trends, 2005/06 to 2015/16** reveals significant increases in heritage engagement across almost all demographic groups. Engagement levels are higher for white people, the upper socio-economic group and for those without longstanding illness or disability. Arts engagement is significantly lower for the Asian ethnic group than for the White and Black ethnic groups. These differences have persisted over the period 2005/06 to 2015/16, but there has been a slight narrowing of the engagement gap for socio-economic group and disability status.

Focus on **Museums and galleries** found that in 2015/16, 52.5% of adults had visited a museum or gallery in the last year, a significant increase from 42.3% in 2005/06, but a similar proportion to 52.0% in 2014/15. In 2015/16, among respondents who said they visited museums or galleries more often, 14.2% said the main reason was because there were more exhibitions that interested them. Of those who had visited less often, 31.0% stated said that the main reason was because they have less free time.

The **latest official figures** on museums and galleries monthly visits show that in March 2017 there were a total of 4 million visits to the DCMS-sponsored museums and galleries. This is a decrease of 4.3% (178,000 visits) compared with March 2016.

#### **Related Link:**

GOV.UK, Department for Culture, Media and Sport, Part of: Taking Part: statistical releases, published: 26 April 2017, National Statistics: *Taking Part April 2017: "Focus On..." reports* [online]. Available at <https://www.gov.uk/government/statistics/taking-part-april-2017-focus-on-reports> [accessed 19 May 2017]

- The Taking Part survey has run since 2005 and is the key evidence source for DCMS. From the above-mentioned link you can also gain access to

- *Taking Part, focus on: diversity trends*
- *Taking Part, focus on: museums and galleries*
- *Diversity trends*
- *Museums and galleries, and*
- *Pre-release access list*

GOV.UK, Department for Culture, Media and Sport, 1 March 2013, Last updated: 4 May 2017, Statistical data set: *Museums and galleries monthly visits* [online]. Available at <https://www.gov.uk/government/statistical-data-sets/museums-and-galleries-monthly-visits> [accessed 19 May 2017]

Source: Heritage Update e-Bulletin [online], Issue **No 346**, 5 May, 2017, The Heritage Alliance. Available at: <http://www.theheritagealliance.org.uk/heritage-update> [accessed 19 May 2017]

Heritage Update: **the online edition** of the fortnightly e-bulletin [online] and available at <http://www.theheritagealliance.org.uk/update/> [accessed 19 May 2017]

[Back to top](#)

## **S.215 notice not correct way to require repainting of house**

Zipporah Lisle-Mainwaring who painted her west London house in red and white stripes has **successfully challenged** the Royal Borough of Kensington and Chelsea's use of a S.215 notice requiring her to repaint it.

The court concluded that Parliament has not sought to prevent landowners, including those in Conservation Areas, from painting their houses in any colours they wish, except if an Article 4 direction has been made. To allow a local planning authority to use S.215 to deal with questions of aesthetics, as opposed to disrepair or dilapidation falls outside the intention and spirit of the Planning Code.

RBKC had ample steps available to it which would have protected amenity, and would have exposed it to minimal cost. Under S.102 it could have issued a notice requiring the repainting of the building. Were it upheld, the level of compensation would be the diminution of the interest in land. On the basis of its own case, that diminution in value must have been effectively nil. There would at worst be a claim for the cost of repainting.

#### **Related Link:**

Lisle-Mainwaring, R (On the Application Of) v Isleworth Crown Court & Anor [2017] EWHC 904 (Admin) (24 April 2017)

URL: <http://www.bailii.org/ew/cases/EWHC/Admin/2017/904.html> Cite as: **[2017] EWHC 904 (Admin), [2017] WLR(D) 289**

Source: Heritage Update e-Bulletin [online], Issue **No 346**, 5 May, 2017, The Heritage Alliance. Available at: <http://www.theheritagealliance.org.uk/heritage-update> [accessed 19 May 2017]

Heritage Update: **the online edition** of the fortnightly e-bulletin [online] and available at <http://www.theheritagealliance.org.uk/update/> [accessed 19 May 2017]

[Back to top](#)

## Nominations open for The Victorian Society's Top 10 Endangered Buildings

Do you know a Victoria building you feel is under threat? Is there something you wish you could do to help secure its future? Nominations are open for The Victorian Society's Top 10 Endangered Building 2017 until 5pm on Friday 20<sup>th</sup> July, 2017.

Buildings must be in England/Wales and built between 1837 and 1914. Nominated buildings/structures could be threatened by demolition, neglect or inappropriate development. Further information is available at

### Related Link:

The Victorian Society, (2017) *Nominate 2017's Top Ten Endangered Buildings* [online]. Available at <http://www.victoriansociety.org.uk/news/nominate-2017s-top-ten-endangered-buildings/> [accessed 19 May 2017]

Source: Heritage Update e-Bulletin [online], Issue **No 346**, 5 May, 2017, The Heritage Alliance. Available at: <http://www.theheritagealliance.org.uk/heritage-update> [accessed 19 May 2017]

Heritage Update: **the online edition** of the fortnightly e-bulletin [online] and available at <http://www.theheritagealliance.org.uk/update/> [accessed 19 May 2017]

[Back to top](#)

## New National Trust Arts and Crafts attractions

A five year restoration project at one of the country's most important Arts and Crafts gardens has been completed at the National Trust's **Standen in West Sussex**.

The impressive house at Standen was designed for James Beale in the late 19<sup>th</sup> century by leading Arts and Crafts architect Philip Webb. The 12 acre hillside garden, however, was designed by Beale's wife Margaret and saw its heyday in the 1920s.

Additionally, from Saturday 6 May, visitors to the National Trust's **Wightwick Manor** in Wolverhampton will be able to discover ceramics and paintings by William and Evelyn De Morgan. A new purpose-built gallery space will show over 100 ceramics by William and 18 paintings by Evelyn, loaned from the De Morgan Collection.

### Related Links

National Trust, Standen House and Garden website (n.d.) [online]. Available at <https://www.nationaltrust.org.uk/standen-house-and-garden> [accessed 19 May 2017]

National Trust, Wightwick Manor and Gardens website (n.d.) [online]. Available at <https://www.nationaltrust.org.uk/wightwick-manor-and-gardens> [accessed 19 May 2017]

*Yet these permissions have come at t price, sometimes driven through the system against local plans, and, according to two separate parliamentary committees, homes being built in the wrong places and to a poor standard. And whilst enough planning permissions are being granted, housing delivery is not keeping pace'.*

Source: Heritage Update e-Bulletin [online], Issue **No 346**, 5 May, 2017, The Heritage Alliance. Available at: <http://www.theheritagealliance.org.uk/heritage-update> [accessed 19 May 2017]

Heritage Update: **the online edition** of the fortnightly e-bulletin [online] and available at <http://www.theheritagealliance.org.uk/update/> [accessed 19 May 2017]

[Back to top](#)

---

## Latest Edition of **Open Praxis** –

Open Praxis (published by the International Council for Open and Distance Education – ICDE) is a peer-reviewed open access scholarly journal focusing on research and innovation in open, distance and flexible education.

Open Praxis [online]. Available at <http://openpraxis.org/index.php/OpenPraxis> [accessed 19 May 2017] and

Open Praxis Archives [online]. Further information available at <http://openpraxis.org/index.php/OpenPraxis/issue/archive> [accessed 19 May 2017]



This work is licensed under a [Creative Commons Attribution 3.0 License](#).  
ISSN: 2304-070X

## Open Praxis, Volume 9, No. 1, January - March (2017)

Papers (available in full-text versions) include the following:

### Editorial -

- **Title: Brief report on Open Praxis figures and data (2016)**

ISSN: 2304-070X

**Publisher:** International Council for Open and Distance Education (ICDE)

**Abstract:** In this first issue in 2017, *Open Praxis* briefly report on some illustrative statistics and information about development, covering until publication of Volume 8 in 2016 and providing specific data about that volume. After the brief report, what follows is an introduction to the first *Open Praxis* issue in volume 9, which includes seven articles in the research papers section and one innovative practice paper.

**Keywords:** higher education; online education; elearning; OER; MOOC; open education

**Reference:** Gil-Jaurena, I. (2017). Brief report on Open Praxis figures and data (2016). *Open Praxis*, 9(1), 3-6.

doi: <http://dx.doi.org/10.5944/openpraxis.9.1.596> [accessed 19 May 2017]

## Research articles -

- **Title:** For whom, and for what? Not-yetness and thinking beyond open content

ISSN: 2304-070X

**Publisher:** International Council for Open and Distance Education (ICDE)

**Abstract:** This article traces a line through contemporary critical perspectives on open online education, which challenge an emphasis on content and access that gives too much weight to instrumental goals of education. This article offers the concept of 'not-yetness' as a productive lens for examining alternative meanings of openness. Not-yetness emerged as a response to a dominant discourse of technology in education – including technologies of openness – that has been characterised by rhetoric of control, efficiency, and enhancement. Not-yetness invites a rethinking of online learning and digital education in terms of risk, uncertainty, and messiness and brings our attention to the variability of open education contexts and learners. Using examples of a 'federated wiki' and 'agents beyond the course', the article shows how higher education pedagogies can and should engage with boundary-crossings between openness and closure, and demonstrates the value of the perspectives that such engagements bring to the fore.

**Keywords:** boundaries; risk; critical perspectives; open education; online learning; digital education; notyetness; complexity; emergence

**Reference:** Collier, A., & Ross, J. (2017). For whom, and for what? Not-yetness and thinking beyond open content. *Open Praxis*, 9(1), 7-16.

doi: <http://dx.doi.org/10.5944/openpraxis.9.1.406> [accessed 19 May 2017]

- **Title:** Lay Theories Regarding Computer-Mediated Communication in Remote Collaboration

ISSN: 2304-070X

**Publisher:** International Council for Open and Distance Education (ICDE)

**Abstract:** Computer-mediated communication and remote collaboration has become an unexceptional norm as an educational modality for distance and open education, therefore the need to research and analyse students' online learning experience necessary. This paper seeks to examine the assumptions and expectations held by students in regard to computer-mediated communication and how their lay theories developed and changed within the context of their practical experiences in conducting a remote collaborative project, through computer-mediated communication. We conducted a qualitative content analysis of students' final reports from an inter-institutional online course on computer-mediated communication and remote collaboration. The results show that students' assumptions were altered and indicate the strong benefits of teaching how to collaborate remotely, especially if a blended approach of theory and practical application are combined.

**Keywords:** Distance Learning; Computer-mediated Communication; Lay Theories; remote collaboration.

**Reference:** Parke, K., Marsden, N., & Connolly, C. (2017). Lay Theories Regarding Computer-Mediated Communication in Remote Collaboration. *Open Praxis*, 9(1), 17-30.

doi: <http://dx.doi.org/10.5944/openpraxis.9.1.502> [accessed 19 May 2017]

- **Title:** Implementing the First Cross-border Professional Development Online Course through International E-mentoring: Reflections and Perspectives

ISSN: 2304-070X

**Publisher:** International Council for Open and Distance Education (ICDE)

**Abstract:** This research paper discusses the accomplishments, issues, and challenges by Open University of Sri Lanka (OUSL) academics when offering the first cross-border professional development online course to train online tutors and mentors. The course was delivered exclusively online and facilitated by OUSL academics and e-mentors from the USA. The course was comprised of 30 participants: 9 from Pakistan, 10 from Mauritius and 11 from Sri Lanka. This qualitative study is based on reflections of both faculty and participants. Data were

collected using reflections and informal anecdotal records of the three OUSL academics and self-reflection instruments (pre, mid and final) administered to participants, and reflective journal entries made by participants. Participants' views were triangulated with the reflections of the OUSL academics to validate the results. While there were many accomplishments in the design and delivery of the course, the findings revealed that there were many challenges in implementing the course: pedagogical, organisational and technological aspects in particular. The paper provides recommendations to address such challenges when offering cross-border online courses in the future.

**Keywords:** Reflective practice; Professional development; Cross-border; e-mentoring, Instructional design; Online learning

**Reference:** Jayatilleke, B., Kulasekara, G., Kumarasinha, M., & Gunawardena, C. (2017). Implementing the First Cross-border Professional Development Online Course through International E-mentoring: Reflections and Perspectives. *Open Praxis*, 9(1), 31-44.

doi: <http://dx.doi.org/10.5944/openpraxis.9.1.461> [accessed 19 May 2017]

- **Title: A MOOC approach for training researchers in developing countries**

**ISSN:** 2304-070X

**Publisher:** International Council for Open and Distance Education (ICDE)

**Abstract:** We report on an online course in research writing offered in a massive open online course (MOOC) format for developing country researchers. The concepts of cognitive presence, teacher presence, and social presence informed the design of the course, with a philosophy of strong social interaction supported by guest facilitators. The course was developed with low-bandwidth elements and hosted on a Moodle site. It was offered twice as a MOOC and 2,830 learners from more than 90 countries, mainly in the developing world, took part. The average completion rate was 53%. Female learners and learners who were active in the forums were more likely to complete the course. Our MOOC approach may be a useful model for continuing professional development training in the developing world.

**Keywords:** MOOC; higher education; researchers; developing countries; continuing professional development; Moodle

**Reference:** Murugesan, R., Nobes, A., & Wild, J. (2017). A MOOC approach for training researchers in developing countries. *Open Praxis*, 9(1), 45-57.

doi: <http://dx.doi.org/10.5944/openpraxis.9.1.476> [accessed 19 May 2017]

- **Title: Current Status of the MOOC Movement in the World and Reaction of the Turkish Higher Education Institutions**

**ISSN:** 2304-070X

**Publisher:** International Council for Open and Distance Education (ICDE)

**Abstract:** This manuscript intends to elaborate the current status of MOOC movement in the world and to reveal the results of a survey study in which the Turkish higher education institutions' reactions to this movement was investigated. The survey was actually a part of a larger survey study that, as a deliverable of the EU funded HOME project, was conducted to contribute to the literature by providing an insight about European perspectives on MOOCs, to gain a better understanding of the strategic reasons why a higher education institution is or isn't involved in MOOCs, and to compare these reasons with the results of similar studies in U.S. After a brief background and history of MOOC movement, following sections of the manuscript present the details (methodology and results) of the survey study on the Turkish HE institutions' strategies regarding adaptation of MOOCs. The final part of the manuscript consists of discussions and conclusions drawn in the light of the results of the study.

**Keywords:** MOOC; adaptation; Turkey; Higher Education; institutional strategy; online education

**Reference:** Aydin, C. (2017). Current Status of the MOOC Movement in the World and Reaction of the Turkish Higher Education Institutions. *Open Praxis*, 9(1), 59-78.

doi: <http://dx.doi.org/10.5944/openpraxis.9.1.463> [accessed 19 May 2017]

- **Title: Analysis of Student and Faculty Perceptions of Textbook Costs in Higher Education**

ISSN: 2304-070X

**Publisher:** International Council for Open and Distance Education (ICDE)

**Abstract:** The cost of textbooks has continued to impact students in higher education. Students have reported that they make decisions on which courses to take based on the specific cost of textbooks. Faculty have reported willingness to use open textbooks to help ease the burden on students but are unsure where to find viable options. We examined the responses of 67 students and 573 faculty from a large private university (Brigham Young University, Provo, Utah) to understand the real impact of textbooks costs to students and how they are dealing with this ongoing problem. We found that 66% of students at this institution have not purchased a textbook due to cost. We also discovered that 91% of faculty at this institution would be willing to use OER alternatives and that 53% of them would welcome assistance identifying and adapting materials for their course.

**Keywords:** Cost of higher education; open educational resources; open textbooks; OER

**Reference:** Martin, M., Belikov, O., Hilton III, J., Wiley, D., & Fischer, L. (2017). Analysis of Student and Faculty Perceptions of Textbook Costs in Higher Education. *Open Praxis*, 9(1), 79-91.

doi: <http://dx.doi.org/10.5944/openpraxis.9.1.432> [accessed 19 May 2017]

- **Title: Measures of student success with textbook transformations: the Affordable Learning Georgia Initiative**

ISSN: 2304-070X

**Publisher:** International Council for Open and Distance Education (ICDE)

**Abstract:** In 2014, the state of Georgia's budget supported a University System of Georgia (USG) initiative: Affordable Learning Group (ALG). The initiative was implemented via Textbook Transformation Grants, which provided grants to USG faculty, libraries and librarians, and institutions to "transform their use of textbooks and other learning materials into using lower cost options", in other words to use open education resources (OER) in lieu of a traditional bound textbook. The Round One Textbook Transformation Grants have already shown to be successful in that they saved students approximately \$760,000. What is not known, is the collective impact on student learning. This study examines the learning gains or losses pre- and post-transformation in ALG Round One courses where traditional resources were replaced with OER. It estimates differences between pre- and post- textbook transformation across the following outcomes: 1) Drop Fail Withdraw (DFW) rates, 2) rates of completion, 3) numbers of students receiving a final grade of A or B, C and D, 4) numerical final grades as a percent, 5) final exam grades as a percent, and 6) course-specific assessment grades measured in percent. Twenty-four data sets were analysed for DFW rate, eight data sets for completion rate, fourteen data sets for grade distribution, three data sets for final exam grades, three data sets for course specific assessment and one data set for final grades. The null hypothesis that there would be no differences between pre- and post-transformation rates in these learning outcomes was supported. Thus, this study demonstrates that the USG's ALG initiative helped students save money without negatively impacting learning outcomes. In addition, it is the first of its kind to measure some of these learning outcomes (e.g. final exam grade, assessment grade, and distribution of letter grades) at this scale.

**Keywords:** Open Education Resources; Affordable Learning Georgia; textbook transformation; learning outcomes; higher education

**Reference:** Croteau, E. (2017). Measures of student success with textbook transformations: the Affordable Learning Georgia Initiative. *Open Praxis*, 9(1), 93-108.

doi: <http://dx.doi.org/10.5944/openpraxis.9.1.505> [accessed 19 May 2017]

## Innovative practice articles -

- **Title: Building a Virtual Learning Environment to Foster Blended Learning Experiences in an Institute of Application in Brazil**

ISSN: 2304-070X

**Publisher:** International Council for Open and Distance Education (ICDE)

**Abstract:** Blended learning, the combination of face-to-face teaching with a virtual learning environment (VLE), is the theme of this study that aims at describing and analysing the implementation of a VLE in the Institute of Application Fernando Rodrigues da Silveria, an academic unit of the State University of Rio de Janeiro. This study's main contribution is to reflect on the complexity of the institute that comprise schooling for basic education students and teacher education, from elementary school to postgraduate education. The wide scope of the institute encompasses face-to-face and non-presential activities, in different proportions, depending on the educational segment. Thus, starting from the assumption that blended learning teaching processes foment more student-centered educational models and facilitate interactions between individuals, a collaborative way was chosen as the VLE development method, contributing to pedagogical practices that favour meaningful learning. The VLE design was developed to meet the different needs and demands of the different educational segments. Currently there are 295 registered users. However, there are no registered basic education students so far. This can be justified by the fact that the VLE is relatively new to the community, and the participation of basic education students in the VLE depends on their teachers' enrolment and use of the VLE itself.

**Keywords:** blended learning; basic education; teacher education; design of virtual learning environment; cooperation school/university

**Reference:** Ribeiro, A., Oliveira, E., & Mello, R. (2017). Building a Virtual Learning Environment to Foster Blended Learning Experiences in an Institute of Application in Brazil. *Open Praxis*, 9(1), 109-120.

doi: <http://dx.doi.org/10.5944/openpraxis.9.1.455> [accessed 19 May 2017]

[Back to top](#)

---

## **OLC Online Learning Journal** – Latest issue published

**LATEST NEWS:** The MERLOT Journal of Online Learning and Teaching (JOLT) was a peer-reviewed, open-access, online publication that promoted scholarship in the use of the Internet and web-based multimedia resource in higher education.

The MERLOT community is now joining with the Online Learning Consortium (OLC – formerly Sloan-C) to expand scholarly research in the field of online education, with a merger of the *Journal Online Learning* (formerly JALN) and the *Journal of Online Learning and Teaching* (JOLT). Further information is available at Online Learning Consortium [online] and available at <http://onlinelearningconsortium.org/read/online-learning-call-papers/> [accessed 19 May 2017]

### **Papers in this latest issue of *Online Learning Journal* incl.**

This issue of OLJ explores several important themes related to online teaching and learning including faculty, student, and institutional concerns:

#### **Faculty, Professional Development and Online Teaching**

- Wingo N P, Ivankova N V, and Moss J A (2017) 'Faculty Perceptions about Teaching Online: Exploring the Literature Using the Technology Acceptance Model as an Organising Framework', *Online Learning Journal*, Volume 21 (1)
- Academic leaders can better implement institutional strategic plans to promote online programs if they understand faculty perceptions about teaching online. An extended version of a model for technology acceptance, or TAM2 (Venkatesh & Davis, 2000), provided a framework for surveying and organising the research literature about factors that have influenced faculty's adoption of online delivery methods for courses and their willingness to continue to teach online. This paper presents the results of a synthesis of 67 empirical studies about faculty teaching online published between 1995 and 2015, using TAM2 constructs as an organizing framework. This validate model provided a lens for understanding research about faculty perceptions of the user-friendliness and ease of use of technology for online course delivery, as well as the overall experience of teaching online. Studies in this review revealed concerns among faculty regarding their

perceived barriers to student success in online classes, uncertainty about their image as online instructors, technical support needs, and their desire for reasonable workload and manageable class enrolments in online classes.

*Keywords:* online faculty; online teaching; Technology Acceptance Model; literature review

- Pereira A S, and Wahi M M (2017) 'Course Management System's Compatibility with Teaching Style Influences Willingness to Complete Training', *Online Learning Journal*, 21(1)

- Although course management systems (CMSs) provide technology platforms that help faculty members adopt better techniques for teaching and learning, and training contributes to faculty information technology (IT) use, many higher education faculty members do not complete CMS training programs, resulting in underuse of CMSs. Therefore, the overall purpose of this research was to address how instructor perceptions influence willingness to complete IT training on CMSs, and to discern techniques university administrators can implement to improve training completion rates and, ultimately, CMS adoption rates. The basic design of the study was a cross-sectional survey. Data were obtained from 102 public university faculty members who responded to an anonymous, web-based survey about their perceptions of the relative advantage, compatibility, complexity, trialability, and observability of their institution's CMS. The data were analysed using multiple linear regression models. Compatibility, defined as the degree to which instructors perceive the CMS as being consistent with their existing values, past experiences, and current or future teaching needs, was statistically significantly associated with willingness to complete online and in-person CMS training after controlling for other factors. Major findings suggest that faculty training on the CMS is not "one size fits all." If greater use of CMSs by faculty is to be achieved, university administrators should consider compatibility of teaching style with CMS adoption when developing and promoting CMS training.

*Keywords:* Higher Education Faculty Members; Course Management System; Technology Adoption; Educational Technology; Faculty Training and Development; Diffusion of Innovation Theory

- Beach P, and Willows D (2017) 'Understanding Teachers' Cognitive Processes during Online Professional Learning: A Methodological Comparison', *Online Learning Journal*, 21(1)

- This study examined the effectiveness of three types of think aloud methods for understanding elementary teachers' cognitive processes as they used a professional development website. A methodology combining a retrospective think aloud procedure with screen capture technology (referred to as the virtual revisit) was compared with concurrent and retrospective think aloud procedures. Elementary teachers from a large metropolitan area were assigned to one of the three think aloud conditions (N=45). Participants in the concurrent condition verbalized their thoughts while simultaneously navigating a professional development website for 20 minutes. Participants in the retrospective condition verbalized their thoughts following their 20-minute website navigation without any aids. Finally, participants in the virtual revisit condition verbalized their thoughts while viewing a screen recording of their website navigation. Think aloud protocols were analysed to determine the frequency of cognitive processes verbalized their thoughts while viewing a screen recording of their website navigation. Think aloud protocols were analysed to determine the frequency of cognitive processes verbalized by participants in each condition. The findings of this study indicated significant differences in the types of verbalizations produced by participants across the three think aloud conditions. In addition, findings reveal benefits and limitations of employing each type of think aloud method in the context of a professional development website.

*Keywords:* online learning; teacher cognition; think aloud methodology; teacher professional development.

- Chen K-Z, Lowenthal P R, Bauer C, Heaps A and Nielsen C (2017) 'Moving Beyond Smile Sheets: A Case Study on the Evaluation and Integrative Improvement of an Online Faculty Development Program', *Online Learning Journal*, 21(1)

- Institutions of higher education are struggling to meet the growing demand for online courses and programs, partly because many faculty lack experience teaching online. The eCampus Quality Instruction Program (eQIP) is an online faculty development program development to train faculty to design and teach fully online courses. The purpose of this article is to describe the eQIP (one institution's multipronged approach to online faculty development), with a specific focus on how the overall success of the program is evaluated using surveys, analytics, and social network analysis. Reflections and implications for improving practice are discussed.

*Keywords:* online education; faculty development; instructional consultation; online course design

## **Integrating Accessibility into Online Higher Education**

- Smith C E, Crocker S, and Allman T (2017) 'Reading Between the Line: Accessing Information via YouTube's Auto captioning, *Online Learning Journal*, 21(1)
- This study and discussion center upon the use of YouTube's automatic captioning feature with college-age adult readers. The study required 75 participants with college experience to view brief middle school science videos with automatic captioning on YouTube and answer comprehension questions based on material presented auditorily and/or through the automatic captions. Participants were divided into groups and presented with the captioned videos with or without sound. The videos, which all focused on the solar system, contained low and high instances of errors within the captions. The research found that comprehension of the automatic caption text varied significantly based on how the participants viewed the videos, with significantly more errors in comprehension for the group that viewed the high error video with automatic captioning only.

*Keywords:* online learning; accessibility for all; deaf and hard of hearing; higher education

## **Online Academic Integrity**

- Lee-Post A and Hapke H (2017), 'Online Learning Integrity Approaches: Current Practices and Future Solutions', *Online Learning Journal*, 21(1)
- The primary objective of this paper is to help institutions respond to the stipulation of the Higher Education Opportunity Act of 2008 by adopting cost-effective academic integrity solutions without compromising the convenience and flexibility of online learning. Current user authentication solutions such as user ID and password, security questions, voice recognition, or fingerprint identification are not infallible and may violate students' rights to privacy or cause undue interruptions to their efforts in performing assessment tasks. Existing authentication solutions will be evaluated for their cost effectiveness in preventing fraud and cheating while ensuring learner identity and honesty. Emerging technologies in the form of biometrics, surveillance systems and predictive analytics will be examined to provide insights into the future of e-authentication for ensuring the academic integrity of online learning.

*Keywords:* academic integrity; online education; authentication; higher education opportunity act; academic misconduct

- Alessio H M, Malay N J, Maurer K, Bailer A J, and Rubin B (2017), 'Examining the Effect of Proctoring on Online Test Scores, *Online Learning Journal*, 21(1)
- Online education continues to grow, bringing opportunities and challenges for students and instructors. One challenge is the perception that academic integrity associated with online tests is compromised due to undetected cheating that yields artificially higher grades. To address these concerns, proctoring software has been developed to address and prevent academic dishonesty. The purpose of this study was to compare online test results from proctored versus unproctored online tests. Test performance of 147 students enrolled in multiple sections of an online course were compared using linear mixed effects models with nearly half the students having no proctoring and the remainder required to use online proctoring software. Students scored, on average, 17 points lower [95% CI: 14, 20] and used significantly less time in online tests that used proctoring software versus unproctored tests. Significant grade disparity and different time usage occurred on different exams, both across and within sections of the same course where some students used text proctoring software and others did not. Implications and suggestions for incorporating strategic interventions to address integrity, addressing disparate test scores, and validating student knowledge in online classes are discussed.

*Keywords:* online education; academic integrity; online tests; grades

## **Students, Community, and Online Learning**

- Chen B, deNoyelles A, Zydney J and Patton K (2017), 'Creating a Community of Inquiry in Large-Enrolment Online Courses: An Exploratory Study on the Effect of Protocols within Online Discussions, *Online Learning Journal*, 21(1)
- It can be difficult to foster focused and effective communication in online discussions within large classes. Implementing protocols is a strategy that may help students communicate more effectively, facilitate their learning process, and improve the quality of their work within online discussions. In this exploratory research study, a protocol was developed and improved over two iterations in a very large undergraduate video-streaming business (N1=412; N2=450). The discussion instructions were consolidated and adjusted, and design elements such as a grading rubric, exemplary student samples, and due date reminders were added in the second iteration. There were higher perceptions of social, cognitive, and teaching presences in the second iteration, as well as significantly more group cognition within the discussion measured through a Community of

Inquiry coding template. Findings suggested that protocols are a potentially useful strategy to manage online discussions in large classes.

*Keywords:* Community of Inquiry; large classes; online discussion; protocols

- Trespalacios J (2017), 'Exploring Small Group Analysis of Instruction Design Cases in Online Learning Environment', *Online Learning Journal*, 21(1)

- The case-based approach is a constructivist instructional strategy that helps students apply their emerging knowledge by studying design problems in authentic real-world situations. One important instructional strategy in case-based instruction is to analyse cases in small-group structure to analyse case studies in online learning environment, as well as students' perceptions of the use of VoiceThread presentations to improve their learning of instruction design. The results show that a small group strategy has great potential help students analyse case studies and consequently enhance learning. The implications of these findings for instructional designers and online instructors are discussed.

*Keywords:* Instructional Design; Case Studies; Online Learning; VoiceThread

- Hannon K (2017), 'Utilisation of an educational web based mobile app for acquisition and transfer of critical anatomical knowledge, thereby increasing classroom and laboratory preparedness in veterinary students', *Online Learning Journal*, 21(1)

- Contact time with students is becoming more valuable and must be utilized efficiently. Unfortunately, many students attend anatomy lectures and labs ill-prepared, and this limits efficiency. To address this issue we have created an interactive mobile app designed to facilitate the acquisition and transfer of crucial anatomical knowledge in veterinary students, thereby increasing classroom and laboratory preparedness. We have found that in contrast to a traditional reading assignment, utilisation of such an app to introduce students to a subject area significantly enhanced the initial learning of anatomy and the transfer of that learned material to a related, but novel area. We propose that students using the apps were subsequently better prepared for lecture and lab, than students using the more traditional method of reading a textbook. Exposure of students to a topic prior to lecture and laboratory, using methods that students embrace, can only lead to a more efficient and better educational experience.

*Keywords:* Mobile web based education apps; anatomy education; tradition versus online

- Smith S U, Hayes S and Shea P, 'A Critical Review of the Use of Wenger's Community of Practice (CoP) Theoretical Framework in Online and Blended Learning Research, 2000-2014', *Online Learning Journal*, 21(1)

- After presenting a brief overview of the key elements that underpin Etienne Wenger's communities of practice (CoP) theoretical framework, one of the most widely cited and influential conceptions of social learning, this paper reviews extent empirical work grounded in this framework to investigate online/blended learning in higher education and in professional development. The review is based on integrative research approaches, using quantitative and qualitative analysis, and includes CoP orientated research articles published between 2000 and 2014. Findings are presented under three questions: Which research studies within the online/blended learning literature made central use of the CoP framework? Among those studies identified, which ones established strong linkages between the CoP framework and their findings? Within this last group of identified studies, what do the patterns in their use of the CoP framework suggest as opportunities for future research in online teaching and learning?

*Keywords:* community of practice; Wenger; online and blended learning

- Linton J N (2017), 'Institutional Factors for Supporting Electronic Learning Communities', *Online Learning Journal*, 21(1)

- This study was designed to explore how the electronic learning community (eLC) process at an established virtual high school (SVHS) supported new and veteran online high school teachers through the communities of practice (CoP) framework. Specifically, this study focused on the institutionally-driven nature of the eLC process, using Wenger's CoP framework to analyse institutional factors that influenced the eLC process. Case study methods, including observation, interviews, and document analysis, were used to provide a rich and dynamic analysis of the eLC process in light of what research says about preparation and support for quality online teaching. While the institutionally-driven nature of the eLC process posed some barriers to alignment with the domain and community elements of the CoP framework, case study participants expressed that the eLC process impacted their practice and connected them to colleagues with which they could collaborate and problem solve. The use of strategies such as valuing the work of eLCs, removing barriers, and connecting the eLC process to the organisational strategy served to facilitate alignment with the CoP framework and overcome some of the potential disadvantages of an institutionally-driven eLC process..

*Keywords:* electronic learning community; online learning community; K-12; virtual school; community of practice

- Roberts A M, LoCasale-Crouch J, Hamre B K, and Buckrop J M (2017), 'Adapting for Scalability: Automating the Video Assessment of Instructional Learning', *Online Learning Journal*, 21(1)

- Although scalable programs, such as online courses, have the potential to reach broad audiences, they may pose challenges to evaluating learners' knowledge and skills. Automated scoring offers a possible solution. In the current paper, we describe the process of creating and testing an automated means of scoring a validated measure of teachers' observational skills, known as the Video Assessment of Instructional Learning (VAIL). Findings show that automated VAIL scores were consistently correlated with scores assigned by the hand scoring system. In addition, the automated scoring technique appears to offer an efficient and reliable assessment. This study may offer additional insight into how to utilise similar techniques in other large-scale programs and interventions.

**Keywords:** Automated assessment; scalability; teacher education

**Source:** *Online Learning Journal* [online], **Volume 21, No. 1, March 2017**. Available at <http://onlinelearningconsortium.org/read/online-learning-journal/> [accessed 19 May 2017] Online Learning Consortium (OLC)

**Related Link:**

**MERLOT – Multimedia Educational Resource for Learning and Online Teaching** [online] and further information available at: <https://www.merlot.org/merlot/index.htm> [accessed 19 May 2017]. **JOLT, MERLOT's Journal for Online Learning and Teaching** [online] and available at: <http://jolt.merlot.org/index.html> [accessed 8 May 2017]

[Back to top](#)

## The Open Education Research Hub ([OER Hub](#))

The Open Education Research Hub (OER Hub) research the impact of open educational resources (OER) in teaching and learning practices.

**OER Hub – Researching Open Education** gathers research on the impact of open educational resources ([OER](#)) on learning and teaching practices. The OER Research Hubs intention is to respond to a need from the OER world for more research on which they can base their decisions. The Research Hub shares evidence that is gathered through mixed methods research including interviews, surveys, focus groups, critical incidence analysis, activity theory and analysis of learning design. Findings are likely to be of interest to a wide range of stakeholders in the education sector. The project is based at [The Open University's \(OU\) Institute of Educational Technology](#) and is the OU's flagship project for research into open education and OER.

Open Educational Resources (OER) Research Hub [online]. Further information is available at <http://oerhub.net/> [accessed 19 May 2017].

Within the OER Hub there are sections on

**Publications** incl. research articles, book chapters and conference proceedings

**Research and Outputs** Incl. Academic publications, presentations, non-traditional outputs, and openly licensed data.

**& Case Studies** incl. examples of collaborations and activities highlighting areas of research or data analysis carried out for key clients.

Example articles/papers in the most recent **Summary of Research Dissemination – May 2016** (available to download from the below mentioned link and under 'Publications') include:

Articles from *Open Praxis* highlighted earlier in this eBulletin, as well as

- De los Arcos, B., Farrow, R., Weller, M. & McAndrew, P., (2016). Personalising learning through adaptation: Evidence from a global survey of K-12 teachers' perceptions of their use of open educational resources. *Journal of Online Learning Research*, 2(1), 23-40. Association for the Advancement of Computing in Education (AACE). Accessible via the [LearnTechLib](#) (The Learning and Technology Library) [online] and @ <http://www.editlib.org/p/151664> [accessed 19 May 2017]
- Farrow, R., de los Arcos, B., & Weller, M., (2015). Who are the Open Learners? A Comparative Study Profiling Non-Formal Users of Open Educational Resources. *European Journal of Open, Distance and E-learning*, 18(2) [online] and available at <http://oro.open.ac.uk/44962/> [accessed 19 May 2017]

- Pitt, R. *Mainstreaming Open Textbooks: Educator Perspectives on the Impact of OpenStax College open textbooks* (2015) *The International Review of Research in Open and Distributed Learning (IRRODL)* 16(4): 133-155 [online] and available at <http://www.irrodl.org/index.php/irrodl/article/view/2381> [accessed 19 May 2017]
- Deimann, M., & Farrow, R. (2013). Rethinking OER and their use: Open Education as Building. *International Review of Online and Distance Learning* 14(3) [online] and available at <http://www.irrodl.org/index.php/irrodl/article/view/1370/2542> [accessed 19 May 2017].
- McAndrew, Patrick and Scanlon, Eileen (2013). Open learning at a distance: lessons for struggling MOOCs. *Science*, 342 pp. 1450-1451 [online] and available at <http://oro.open.ac.uk/39736/> [accessed 19 May 2017]
- McAndrew, P. & Farrow, R. (2013). "Open Education Research: From the Practical to the Theoretical" in McGreal, R., Kinuthia, W. and Marshall, S. (eds) *Open Educational Resources: Innovation, Research and Practice*. Commonwealth of Learning and Athabasca University, Vancouver. pp.65-78 [online] and available at <https://oerknowledgecloud.org/content/open-education-research-practical-theoretical> [accessed 19 May 2017].
- De Liddo, A., Buckingham Shum, S., McAndrew, P., & Farrow, R. (2012). 'The Open Education Evidence Hub: A Collective Intelligence Tool for Evidence Based Policy'. In Okada, A. (ed.) *Open Educational Resources and Social Networks: Co-Learning and Professional Development*. London: Scholio Educational Research & Publishing [online] and available at [http://oer.kmi.open.ac.uk/?page\\_id=1201#.V6NI\\_esrJhE](http://oer.kmi.open.ac.uk/?page_id=1201#.V6NI_esrJhE) [accessed 19 May 2017].

Open Educational Resources (OER) Research Hub [online]. Further information is available at <http://oerhub.net/> [accessed 19 May 2017].

#### Related links:

Open University (OU) UK [online] and available at <http://www.open.ac.uk/> [accessed 19 May 2017]

Open University (OU) UK, Institute of Education Technology [online] and available at <http://www.open.ac.uk/iet/main/> [accessed 19 May 2017]

[Back to top](#)

## The Directory of Open Access Journals (DOAJ) –

The Directory of Open Access Journals covers all open access scientific and scholarly journals using a quality control system to guarantee the content.

The aim of the DOAJ is to increase the visibility and ease of open access scientific and scholarly journals, therefore promoting increased usage and impact.

### Some key DOAJ facts (as of 22/05/2017):

- **9,428** journals
- **6,792** journals searchable at article level
- **127** countries
- **2,498,445** articles

The Directory of Open Access Journals (DOAJ) <https://doaj.org/> [accessed 19 May 2017]

[Back to top](#)



## e-Journal Review cont.



Source: office.microsoft.com

Every month I will be highlighting a few full-text e-Journals that are currently available through the UCEM e-Library.

This month we focus on those Taylor & Francis Online / Routledge journals that we now have full subscription to and this includes access to the archive of back issues (from 1995 for those journals that have print that go back that far and to the current day) incl.

- **Construction Management and Economics**
- **Building Research and Information, &**
- **Journal of Property Research.**

**Please note:** that these journals can be accessed (IN FULL) via the **VLE e-Library**, and by logging into **Athens – Section 2**, and by selecting **Taylor and Francis Online** via the **Resources** tab. Within Athens we also have access to **IngentaConnect** where UCEM subscribe to

- **Corporate Real Estate Journal.**

### Construction Management and Economics

**1. Construction Management and Economics (CME)** is the leading international refereed journal that publishes original research concerning the management and economics of building and civil engineering, while also including the management of built facilities.

Taylor and Francis, *Construction Management and Economics* [online]. Available at <http://www.tandfonline.com/toc/rcme20/current> [accessed 22 May 2017]

Example articles/papers in the most recent issue include:

**- Frames, agency and institutional change: the case of benchmarking in Danish construction**

Rasmussen G M G, Jensen P L, and Gottlieb S C (2017), [Frames, agency and institutional change: the case of benchmarking in Danish construction](#), *Construction Management And Economics* Vol. 35 , Iss. 6, 2017, London: Taylor and Francis Online, Informa UK Limited, Pages 305-323

**- From visions to practice – The role of sensemaking, institutional logic and pragmatic practice**

Linderoth H C J (2017), [From visions to practice – The role of sensemaking, institutional logic and pragmatic practice](#), *Construction Management And Economics* Vol. 35 , Iss. 6, 2017, London: Taylor and Francis Online, Informa UK Limited, Pages 324-337

### - Institutions and institutional logics in construction safety management: the case of climatic heat stress

Jia A Y, Rowlinson S, Loosemore M, Xu M, Li B, and Gibb A (2017), [Institutions and institutional logics in construction safety management: the case of climatic heat stress](#), *Construction Management And Economics* Vol. 35 , Iss. 6, 2017, London: Taylor and Francis Online, Informa UK Limited, Pages 338-367

### - Analysis of the impact of craft labour availability on North American construction project productivity and schedule performance

Karimi H, Taylor T R B, and Goodrum P M (2017), [Analysis of the impact of craft labour availability on North American construction project productivity and schedule performance](#), *Construction Management And Economics* Vol. 35 , Iss. 6, 2017, London: Taylor and Francis Online, Informa UK Limited, Pages 368-380

**Please note:** that this journal can be accessed (IN FULL) via the **VLE e-Library**, and by logging into **Athens – Section 2**, and by selecting **Taylor and Francis Online** via the **Resources** tab.

[Back to top](#)

## Building Research and Information

**2. Building Research and Information** (BRI) is a leading international refereed journal focused on buildings and their supporting systems. Unique to BRI is a focus on a holistic, trans-disciplinary approach to their life: planning, briefing, design, construction, occupation and use, property exchange and evaluation, maintenance, alteration and end of life. Published articles provide conceptual and evidence-based approaches which reflect the complexity and linkages between cultural, environmental, economic, social, organisational, quality of life, health, well-being, design and engineering of the built environment.

### BRI's wide scope embraces:

- The linkages between the built, natural, social and economic environments, with an emphasis on the interactions between theory, policy and practice: impacts on ecologies, resources (water, energy, air, materials, buildings stocks etc.), sustainable development (social, economic, environmental, and natural capitals) and climate change (mitigation and adaptation).
- The (design, technical, social, organisational, economic) performance, impacts, assessment, contributions, improvement and value of buildings, building stocks and related systems.
- The supply chain capabilities to innovate, design, create, maintain and improve the performance of both buildings and products
- Changing demands and aspirations for architectural design, development and property
- Formulation of public policy; research, academic and innovation capabilities; organisational structures and networks; engagement between research users, policy makers and practitioners to effectively support the above scope and objectives.

Taylor and Francis, *Building Research and Information* [online]. Available at <http://www.tandfonline.com/toc/rbri20/current> [accessed 19 May 2017]

Example information/ research articles/papers in the most recent issue:

### Research:

#### - Selling and installing heat pumps: influencing household practices

Gram-Hanssen K, Heidenstrøm N, Vittersø G, Madsen L V, and Jacobsen M H (2017) [Selling and installing heat pumps: influencing household practices](#), *Building Research & Information* Vol. 45 , Iss. 4, 2017, Taylor and Francis Online, Informa UK Limited, Pages 359-370

#### - How installers select and explain domestic heating controls

Wade F, Shipworth M and Hitchings R (2017), [How installers select and explain domestic heating controls](#), *Building Research & Information* Vol. 45 , Iss. 4, 2017, Taylor and Francis Online, Informa UK Limited, Pages 371-383

#### - Lessons for the UK Green Deal from the US BBNP

Gillich A, Sunikka-Blank M and Ford A (2017), [Lessons for the UK Green Deal from the US BBNP](#), *Building Research & Information* Vol. 45 , Iss. 4, 2017, Taylor and Francis Online, Informa UK Limited, Pages 384 – 395

#### - Development of Dutch occupancy and heating profiles for building simulation

Guerra-Santin O and Silvester S (2017), [Development of Dutch occupancy and heating profiles for building simulation](#), *Building Research & Information* Vol. 45 , Iss. 4, 2017, Taylor and Francis Online, Informa UK Limited, Pages 396-413

- **Green building standards as socio-technical actors in municipal environmental policy**

Goulden S, Erell E, Garb Y, and Pearlmutter D (2017), [Green building standards as socio-technical actors in municipal environmental policy](#), *Building Research & Information* Vol. 45 , Iss. 4, 2017, Taylor and Francis Online, Informa UK Limited, Pages 414-425

- **Professionals' knowledge and use of environmental assessment in an architectural competition**

Wallhagen M, Malmqvist T, and Eriksson O (2017), [Professionals' knowledge and use of environmental assessment in an architectural competition](#), *Building Research & Information* Vol. 45 , Iss. 4, 2017, Taylor and Francis Online, Informa UK Limited, Pages 426-442

- **Dwelling performance and adaptive summer comfort in low-income Australian households**

Moore T, Ridley I, Strengers Y, Maller C, and Horne R (2017) [Dwelling performance and adaptive summer comfort in low-income Australian households](#), *Building Research & Information* Vol. 45 , Iss. 4, 2017, Taylor and Francis Online, Informa UK Limited, Pages 443-456

- **Revisiting thermal comfort models in Iranian classrooms during the warm season**

Haddad S, Osmond P, and King S (2017) [Revisiting thermal comfort models in Iranian classrooms during the warm season](#), *Building Research & Information* Vol. 45 , Iss. 4, 2017, Taylor and Francis Online, Informa UK Limited, Pages 457-473

**Please note:** that this journal can be accessed (IN FULL) via the **VLE e-Library**, and by logging into **Athens – Section 2**, and by selecting **Taylor and Francis Online** via the **Resources** tab.

[Back to top](#)

## Journal of Property Research

**3. Journal of Property Research** welcomes original papers on any area of real estate investment and development. These may be theoretical, empirical, case studies or critical literature surveys.

There are two major areas of focus:

- Property investment and finance. This covers topics such as the characteristics of property as an investment class, forecasting of markets and property portfolio construction. Much of this research will be an application to property of techniques developed in other investment markets.
- Land development. This covers a wide range of issues surrounding the development and redevelopment of property. The focus may be financial, economic or environmental; urban or rural; public or private sector.

Taylor and Francis, *Journal of Property Research* [online]. Available at <http://www.tandfonline.com/toc/rjpr20/current> [accessed 22 May 2017]

Example **Latest articles**/papers in the most recent issue include:

- **Residential housing bubbles in Hong Kong: identification and explanation based on GSADF test and dynamic probit model**

Huang J and Qiping Shen G (2017), [Residential housing bubbles in Hong Kong: identification and explanation based on GSADF test and dynamic probit model](#), *Journal Of Property Research* Vol. 0 , Iss. 0,0, London: Taylor and Francis Online, Informa UK Limited, Pages 1-21

- **Brownfield risk communication and evaluation**

Wu H, Tiwari P, Sheng Han S, and Chan T-K (2017), [Brownfield risk communication and evaluation](#), *Journal Of Property Research* Vol. 0 , Iss. 0,0, London: Taylor and Francis Online, Informa UK Limited, Pages 1-18

- **Leverage, liquidity and information in commercial property prices**

Wiley J A (2017), [Leverage, liquidity and information in commercial property prices](#), *Journal Of Property Research* Vol. 0 , Iss. 0,0, London: Taylor and Francis Online, Informa UK Limited, Pages 1-31

- **The role of task complexity in valuation errors analysis in a developing real estate market**

Awuah K G B and Gyamfi-Yeboah F (2017), [The role of task complexity in valuation errors analysis in a developing real estate market](#), *Journal Of Property Research* Vol. 0 , Iss. 0,0, London: Taylor and Francis Online, Informa UK Limited, Pages 1-23

**Please note:** that this journal can be accessed (IN FULL) via the **VLE e-Library**, and by logging into **Athens – Section 2**, and by selecting **Taylor and Francis Online** via the **Resources** tab.

[Back to top](#)

## Corporate Real Estate Journal

**Please note:** that this journal can be accessed (IN FULL) via the **VLE e-Library**, and by logging into **Athens – Section 2**, and by selecting **IngentaConnect** via the **Resources** tab.

**Corporate Real Estate Journal** is the essential peer-reviewed, professional journal for corporate real estate executives.

Each quarterly 100-page issue publishes high quality articles and real case studies on new thinking, strategies and techniques in corporate real estate. It cuts through the deluge of information facing corporate real estate professionals to deliver content which is authoritative, practical and relevant by providing a blend of genuine thought-leadership – which expands what can be achieved with corporate real estate – with detailed, actionable advice and ‘lessons learned’ from industry peers.

Capturing expertise which all too often remains anecdotal and putting into a learned format that can be applied by corporate real estate professionals, each article is peer-reviewed to ensure it provides not only strategic-level thinking but all the ‘nuts and bolts’ detail needed to put that strategy into practice, providing a connection that is often missing. Crucially, the Journal puts corporate real estate in terms the C-Suite can relate to, helping professionals demonstrate the value that corporate real estate can and does contribute towards business objectives and the bottom line, and make can impact in the boardroom.

Example articles/papers in the most recent issue include:

### Editorial

#### - **The rise of membership-based occupancy agreements for corporates and their potential impact on the property industry**

Corporate Real Estate Journal (2017), The rise of membership-based occupancy agreements for corporates and their potential impact on the property industry, *Corporate Real Estate Journal* Vol. 6, Issue 3, 2017, London: Henry Stewart Publications, IngentaConnect Online, pp. 192-193(2)

### Practice articles

#### - **The real world of real estate: How economics and geopolitics affect occupiers**

Barkham R and Holberton R (2017), The real world of real estate: How economics and geopolitics affect occupiers, *Corporate Real Estate Journal* Vol. 6, Issue 3, 2017, London: Henry Stewart Publications, IngentaConnect Online, pp. 194-204(11)

#### - **Lease accounting compliance: An opportunity at work**

Stillebroer D and Jaspers R (2017), Lease accounting compliance: An opportunity at work, *Corporate Real Estate Journal* Vol. 6, Issue 3, 2017, London: Henry Stewart Publications, IngentaConnect Online, pp. 205-219(15)

#### - **The service provider’s dilemma: Applying two behavioural economic theories to CRE purchasing**

Lessard J (2017), The service provider’s dilemma: Applying two behavioural economic theories to CRE purchasing, *Corporate Real Estate Journal* Vol. 6, Issue 3, 2017, London: Henry Stewart Publications, IngentaConnect Online, pp. 220-226(7)

#### - **A glimpse into the future of facility and maintenance management: A case study of augmented reality**

May M, Clauss M and Salzmann P (2017), A glimpse into the future of facility and maintenance management: A case study of augmented reality, *Corporate Real Estate Journal* Vol. 6, Issue 3, 2017, London: Henry Stewart Publications, IngentaConnect Online, pp. 227-244(18)

#### - **The future of work will change everything**

Miscovich P (2017), The future of work will change everything, *Corporate Real Estate Journal* Vol. 6, Issue 3, 2017, London: Henry Stewart Publications, IngentaConnect Online, pp.245-258(14)

#### - **How modern working helped the city of Bristol unlock opportunities to repurpose challenging real estate**

Billingham R and White A (2017), How modern working helped the city of Bristol unlock opportunities to repurpose challenging real estate, *Corporate Real Estate Journal* Vol. 6, Issue 3, 2017, London: Henry Stewart Publications, IngentaConnect Online, pp. 259-275(17)

**- Bridging the divide: Reducing operating expenses and pursuing sustainability in leased spaces**

Cloutier D, Davis J, and Downing J (2017), Bridging the divide: Reducing operating expenses and pursuing sustainability in leased spaces, *Corporate Real Estate Journal* Vol. 6, Issue 3, 2017, London: Henry Stewart Publications, IngentaConnect Online, pp. 276-289(14)

**Please note:** that this journal can be accessed (IN FULL) via the **VLE e-Library**, and by logging into **Athens – Section 2**, and by selecting **IngentaConnect** via the **Resources** tab.

We also subscribe to *Journal of Building Survey, Appraisal and Valuation*.

[Back to top](#)



## e-Journal Review Archive

When I started my role as the UCEM Digital Resource Manager, I catalogued over **2000** e-Journal titles onto the A-Z Directory that can be accessed through the VLE e-Library.

Whilst cataloguing I was wondering how many of these e-Journals are actually being used within ‘Recommended Reading’ or ‘Study Material’ development by Tutors? Therefore, in each monthly e-bulletin I will be highlighting a few e-Journals that are available and accessed through the UCEM Athens gateway as a current awareness service.

**Please Note:** the below e-Journals are available in Full-Text copies

The following journals have been reviewed thus far, i.e.

<b>A</b>	Accounting Education (JAI)	<b>F</b>	‘Foresight’, an international bi-monthly journal concerned with the study of the future
<b>B</b>	Building Research and Information	<b>H</b>	International Journal of <b>Housing Markets and Analysis</b>
	Business and Management in Higher Education (BMHE)	<b>I</b>	Internet Research
	Business Economics		Interactive Technology and Smart Education
	Journal of Economic Studies	<b>L</b>	Landlord and Tenant Review
<b>C</b>	Campus-Wide Information Systems		International Journal of <b>Law and Management</b>
	Construction Management & Economics		International Journal of <b>Law in the Built Environment</b>
	Construction Innovation: Information, Process, Management		International Journal of <b>Law and Management</b>
	Construction Law Journal and Construction Newsletter	<b>M</b>	Journal of <b>Management and Sustainability</b>
	Construction Management and Economics		Management Research Review

	Construction Newsletter		International <b>Marketing Review</b>
	Journal of <b>Construction Research</b>	<b>O</b>	Journal of <b>Online Learning and Teaching (JOLT)</b>
<b>D</b>	Development and Learning in Organisations		<b>Open Praxis</b> , a peer-reviewed open access scholarly journal focusing on research and innovation in open, distance and flexible education.
	International Journal of <b>Disaster Resilience in the Built Environment</b>		International Journal of <b>Organisational Analysis</b>
	Disaster Prevention and Management	<b>P</b>	Journal of <b>Planning and Environmental Law</b>
<b>E</b>	Oxford Bulletin of <b>Economics and Statistics</b>		Practice-based Learning
	Journal of <b>Economic Education</b>		Journal of <b>Property Investment and Finance</b> (Previously published as: Journal of Property Valuation and Investment)
	Journal of <b>Economic Literature</b>		Property Law Bulletin
	Education + Training		Property Management
	Journal for <b>Education in the Built Environment</b> , The		Journal of <b>Property Research</b>
	International Journal of <b>Educational Management</b>	<b>Q</b>	Quality Assurance in Education
	Energy, Sustainability and Society	<b>R</b>	Real Estate Economics
	Enhancing Learning in the Social Sciences (EliSS)		Journal of <b>Real Estate Portfolio Management</b>
	Engineering, Construction and Architectural Management		Journal of <b>Real Estate Research</b>
	Engineering Education		Reference Services Review
<b>F</b>	Facilities		Journal of <b>Research in Interactive Marketing</b>
	Journal of <b>Facilities Management</b>	<b>S</b>	Smart and Sustainable Built Environment
	Financial Accountability and Management		Structural Survey
	Journal of <b>Financial Management of Property and Construction</b>		Sustainability
	Financial Practice and Education		Journal of <b>Sustainable Development</b>
<b>Special issues:</b>			
Property and Construction		Online Learning [01/14]	
International Focus [07/13]		Higher Education Academy Online [03/14]	
Higher Education [08/13]		Environment [03/14]	
Law [09/13]		Open Access and Online Learning [04/14]	

Research [10/13]	Business and Management Education in Higher Education [05/14]
Economics [11/13]	Finance, Financial Management and Accounting [06/14]
Sustainability [12/13]	Research and Innovation in open, distance and flexible education [07/14], [03/15]

**Lucy's searching top tips** – The reason why I am listing the topics covered and some of the journals reviewed each month is to provide a quick reference list and tool. Should you wish to access journals relating to a specialist area or journal, you can i) access the latest issue of the e-Bulletin (available via the VLE e-Library and under section 6 – UCEM Published Material), ii) Have a quick browse down the list and identify your specialist journal or focus area, iii) In the case of Special issues, note the month that covered that topic, iv) go back to the VLE e-Library page and v) download the appropriate monthly e-bulletin which specialises in that subject area. ☺

To access the Directory of e-Journals, visit the VLE e-Library and scroll down to Section 3. Note: to access these journals in full online, you will need to log-in to Athens.

[Back to top](#)



## e-Book Review

The **UCEM VLE e-Library** is currently building on its' e-Book collection, available through **Athens** and by clicking on **Dawson Books** (listed within **the Resources** section). It is hoped that over time, UCEM will provide greater access to e-Books over hard-copy versions in order to provide the students with greater flexibility and access to a wide range of publications.

Often books may have an excellent chapter covering a topic you wish to discuss, and this can prove expensive in purchasing and posting, when only a small section of the book is relevant. Therefore, drawing attention to an e-Book via the e-Library and recommending they read a particular chapter is much more efficient and effective and allows UCEM to build their library as well as providing a wider range of publications for students to access and Tutors to use in supplementing their Teaching and Learning Materials.

**Please note:** By visiting the VLE e-Library and the various digital subscriptions that UCEM currently holds, students and tutors can gain access to a wealth of additional online material and catalogues incl. a range of reference e-books available within the construction and real estate sectors. For example, **IHS Information Services** and the **Construction Information Service** (accessible via Athens) holds a vast array of eBooks. You can also access **RICS** published material incl. eBooks via **ISURV** (accessed via Section 5 of the VLE e-Library).

Six books that are currently available are as follows:

1. The Battle for Open: How openness won and why it doesn't feel like victory
2. The new landscape of mobile learning: Redesigning education in an app-based world
3. Handbook of Research on Innovative Pedagogies and Technologies for Online Learning in Higher Education
4. Studying at a Distance
5. Rethinking Pedagogy for a Digital Age, 2nd edition
6. ADDING SOME TEC-VARIETY: 100+ Activities for Motivating and Retaining Learners Online

The first and sixth book, as well as the second 'book review' mentioned above are freely available online. However, the other three have been purchased by UCEM and are available, as e-Books, within the VLE e-Library and via Athens and Dawson Books. Once you have accessed DawsonEra, if you click on '**eBook Catalogue**' within

the top toolbar, this contains UCEM purchased eBooks. Alternatively, you can search for the title within the Advanced Search engine.

---

### **1. The Battle for Open: How openness won and why it doesn't feel like victory.**

Weller, M. (2014). *The Battle for Open: How openness won and why it doesn't feel like victory* [e-book]. London: Ubiquity Press. Available at <http://dx.doi.org/10.5334/bam> [accessed 8 May 2017]

Dominguez, D. (2015). Book review of *The Battle for Open*. *Open Praxis*, 7(2), 191-193. doi:10.5944/openpraxis.7.2.208

**ISSN:** 2304-070X, International Council for Open and Distance Education (ICDE)

Has the openness movement won the battle to transform itself into a mainstream phenomenon in higher education? If the answer is yes, does this mean that the disputes with other educational technological solutions, in particular restricted, have definitely ended? Or rather is it only the beginning of a long confrontation to take centre stage in a digital ecosystem that is increasingly more nuanced, where the number of actors keeps growing and the limits on what is open is ever more diffuse?

In this new book, the author Martin Weller attempts to find answers to these questions. To do so, he introduces a group of quite varied subjects on evolution and the current state of higher education. As such, his contribution turns into an authentic manual for everyone who has an interest in the digitization of education.

**Keywords:** Open access; open education; OER.

### **2. The new landscape of mobile learning: Redesigning education in an app-based world -**

Miller, C., & Doering, A., (Eds.). (2014). *The new landscape of mobile learning: Redesigning education in an app-based world* (1st ed.). New York, NY : Routledge

Hetrick, T. (2015). Book review of *The new landscape of mobile learning: Redesigning education in an app-based world*. *Open Praxis*, 7(1), 113-115. doi:10.5944/openpraxis.7.1.178. **ISSN:** 2304-070X, International Council for Open and Distance Education (ICDE)

This is a book review on *The new landscape of mobile learning: Redesigning education in an app-based world*, by editors Charles Miller and Aaron Doering. This is an edited book, but one for which the editors sought out specific authors to write about their experiences and expertise on mobile learning. One of Miller and Doering's goals is to promote greater thinking about mobile learning through the understanding that learning is a complex process built from pedagogical foundations that integrate social interactions with technology. The editors argue that a fundamental aspect to mobile learning is mobility, which is the ability to freely move about and collaborate in an authentic environment in which learners gain insight and construct knowledge. The authors try to address problems in mobile learning and put forth solutions, but this also highlights the fragmented problems of mobile learning as the book in itself is fragmented. Instead of treating mobile learning as its own system or field, it becomes evident that one should be describing mobile learning as mobile integration and explores how to use mobility in the everyday learning context. From the perspective of mobile integration, this book is very practical as the authors did an outstanding job of providing information about the steps of integrating mobile devices into specific areas to assist or augment learning.

### **3. Handbook of Research on Innovative Pedagogies and Technologies for Online Learning in Higher Education**

By Moore, C., (c2017). *Handbook of Research on Innovative Pedagogies and Technologies for Online Learning in Higher Education*. IGI Global

The integration of technology has become an integral part of the educational environment. By developing new methods of online learning, students can be further aided in reaching goals and effectively solving problems. *The Handbook of Research on Innovative Pedagogies and Technologies for Online Learning in Higher Education* is an authoritative reference source for the latest scholarly research on the implementation of instructional strategies, tools, and innovations in online learning environments. Featuring extensive coverage across a range of relevant perspectives and topics, such as social constructivism, collaborative learning and projects, and virtual worlds, this publication is ideally designed for academicians, practitioners, and researchers seeking current research on best methods to effectively incorporate technology into the learning environment.

#### **4. Studying at a Distance -**

By Talbot, C., (01/08/2010), Publisher: Open University Press

e-ISBN-13: 9780335238057

This essential guide provides practical help and support for those who have not previously studied at a distance and is ideal for students returning to study after a break. It covers fundamental issues such as motivation, goal setting, time management and coping strategies. Additional coverage in this third edition includes: specific information on the use of new technologies in distance learning; detailed coverage of referencing, citation and plagiarism; description of using mind maps and other techniques for planning and writing essays or reports; support for disabled students, particularly those with dyslexia; and, an expanded further resources section.

#### **5. Rethinking Pedagogy for a Digital Age –**

Edited by Beetham, H., & Sharpe, R., Publisher: Routledge

e-ISBN-13: 9780203078952

Through a critical Discussion of the issues surrounding the design, sharing and reuse of learning activities, the second edition of *'Rethinking Pedagogy for a Digital Age'* examines a wide range of perspectives on effectively designing and delivering learning activities to ensure that future development is pedagogically sound, learner-focused, and accessible.

Keywords: Education; Pedagogy; e-Learning

#### **6. ADDING SOME TEC-VARIETY: 100+ Activities for Motivating and Retaining Learners Online**

*Adding Some TEC-VARIETY* by Curtis J. Bonk and Elaine Khoo

As this book states, "Motivation is central to all things human" and Online teaching and learning are no different.

The authors of this FREE ONLINE BOOK propose the TEC-VARIETY framework as a solution to the lack of meaningful engagement. It can shift learners from nearly comatose states to actively engaged ones. *Adding Some TEC-VARIETY* helps instructors focus on how to motivate online learners and increase learner retention. It also is a comprehensive, one-stop toolkit for online instructors to inspire learners and renew their own passion for teaching. Using 10 theoretically driven and proven motivational principles, TEC-VARIETY offers over 100 practical yet innovative ideas based on decades of author experience teaching in a variety of educational settings.

Source: ***Adding Some TEC-VARIETY*** by Curtis J. Bonk and Elaine Khoo [online]. Available at <http://tec-variety.com/> [accessed 8 May 2017]

**Please note:** The authors have made an online version of this work available under a Creative Commons Attribution-Non-commercial-Share Alike 3.0 License; for details, please see <http://creativecommons.org/licenses/by-nc-sa/3.0/us/> [accessed 8 May 2017]. The e-book PDF can be accessed through the book homepage [online]. Available at <http://tec-variety.com> and <http://tec-variety.com/freestuff.php> [accessed 8 May 2017]

[Back to top](#)

## The Directory of Open Access Books ([DOAB](http://www.doabooks.org/doab)) –

The primary aim of DOAB is to increase discoverability of Open Access books. Academic publishers are invited to provide metadata of their Open Access books to DOAB. Metadata will be harvestable in order to maximize dissemination, visibility and impact. Aggregators can integrate the records in their commercial services and libraries can integrate the directory into their online catalogues, helping scholars and students to discover the books. The directory is open to all publishers who publish academic, peer reviewed books in Open Access and should contain as many books as possible, provided that these publications are in Open Access and meet academic standards.

### Some key DOAB facts (as of 08/05/2017):

- **7409** Academic peer-reviewed books from
- **195** publishers

The Directory of Open Access Books (DOAB) <http://www.doabooks.org/doab> [accessed 8 May 2017]

[Back to top](#)

## Latest book and journal titles

### Latest book titles from

**‘Elsevier’** is a world-leading provider of information solutions that help you make better decisions, deliver better care, and sometimes make ground-breaking discoveries in science, health, and technology.

Built Environment including Architecture, Building and Construction, and Property and Real Estate [online].

Further information is available at [www.elsevier.com/](http://www.elsevier.com/) [accessed 8 May 2017]

**Palgrave Macmillan** - From award-winning research which changes the world to textbooks and study guides which educate and inspire, Palgrave Macmillan publish across the humanities, social sciences and business for academics, students, professionals and librarians worldwide. **‘Palgrave Macmillan’** [online]. Further information is available at [www.palgrave.com/gb/](http://www.palgrave.com/gb/) [accessed 8 May 2017]

**Taylor & Francis/Routledge** – T&F (an informa business) is a world famous name in academic and professional books, journals and online resources relating largely to the humanities, social sciences, the Built Environment and Sustainability.

Visit Taylor & Francis online @ [www.tandfonline.com](http://www.tandfonline.com) [accessed 8 May 2017]

**Taylor & Francis Open and Routledge Open** - Taylor & Francis and Routledge currently publish a number of pure open access journals, with no subscription content. The articles in these journals receive both rigorous peer review and expedited online publication [online] and available @ [www.tandfonline.com/openaccess](http://www.tandfonline.com/openaccess) [accessed 8 May 2017]

Latest info: Property and Real Estate catalogue [online] and available at [www.routledge.com/collections/4812](http://www.routledge.com/collections/4812) [accessed 8 May 2017]

Other subject categories incl.

- Architecture - [www.routledge.com/architecture/](http://www.routledge.com/architecture/)
- Building and Construction - [www.routledge.com/buildingconstruction/](http://www.routledge.com/buildingconstruction/)
- Built Environment - [www.routledge.com/builtenvironment/](http://www.routledge.com/builtenvironment/)
- Civil Engineering - [www.routledge.com/civilengineering/](http://www.routledge.com/civilengineering/)
- Planning and Urban Design - [www.routledge.com/planning/](http://www.routledge.com/planning/)

[websites correct as at 8 May 2017]

**The Routledge Sustainability Hub** - An innovative Knowledge Centre for the global sustainability community, this Hub offers a wide range of resources for everyone – whether you are a teacher, a student, a professional or a citizen of the earth curious to discover more about the many facets of sustainability. Further information available at [www.routledgetextbooks.com/textbooks/sustainability](http://www.routledgetextbooks.com/textbooks/sustainability) [accessed 8 May 2017]

**Wiley** is the international scientific, technical, medical, and scholarly publishing business of John Wiley & Sons, with strengths in every major academic and professional field and partnerships with many of the world's leading

societies. For more information, please visit [www.wiley.com](http://www.wiley.com) [accessed 8 May 2017] and <http://eu.wiley.com/WileyCDA/> [accessed 16 May 2017].

'Wiley' Online Library hosts the world's broadest and deepest multidisciplinary collection of online resources covering life, health and physical sciences, social science, and the humanities. It delivers seamless integrated access to over 6 million articles from over 1500 journals, over 16,000 online books, and hundreds of reference works, laboratory protocols and databases. Further information is available online at <http://onlinelibrary.wiley.com/> [accessed 8 May 2017]

**Wiley Open Access** [online]. Further information is available at <http://olabout.wiley.com/WileyCDA/Section/id-406071.html> [accessed 8 May 2017]

- Business and Management [online]. Further information is available at - <http://onlinelibrary.wiley.com/subject/code/000028> [accessed 8 May 2017]
- Economics [online]. Further information is available at - <http://onlinelibrary.wiley.com/subject/code/000047> [accessed 8 May 2017]
- Law [online]. Further information is available at - <http://onlinelibrary.wiley.com/subject/code/000076> [accessed 8 May 2017]
- Civil Engineering and Construction [online]. Further information is available at - <http://onlinelibrary.wiley.com/subject/code/000034> [accessed 8 May 2017]
- LATEST info: Wiley Construction and Civil Engineering Update [online]. Further information is available at <http://app.news.wiley.com/e/es?s=1133198723&e=236292&elq=0e75d940e56f44008e5a9c13214d087c> [accessed 8 May 2017]

[Back to top](#)

---



## © Guidance:

"It is important to remember that Copyright material in digital form is protected in exactly the same way as Copyright material in any other format. For example, text and images on a website are protected by copyright in the same way as printed material.

Please note: if there is something you really want to use for learning materials and someone else owns the copyright ... permission must be sought!

The copyright owner may wish to charge you, but often they just appreciate you asking them if they are happy for you to acknowledge their work and inform them of how the information will be used and who it will be circulated to".

Source: Salmon, Prof. G., (2013), *E-tivities*, London, Routledge.

## The [Copyright Licensing Agency Ltd \(CLA\)](#)

The CLA are a licensing body as defined by the Copyright, Designs and Patents Act 1988 c.48 (as amended) ["CDPA"].

The CLA licence organisations to copy and re-use extracts from print and digital publications on behalf of the copyright owners – authors, publishers and visual artists. By 'copying' the CLA means photocopying, scanning, and re-use of content from magazines, books, journals, electronic and online publications, as well as press cuttings or documents supplied by a licensed third party.

Having a CLA licence helps to reduce the risk and potential cost of copyright infringement. This requirement applies to any organisation in the business, education, public or charitable sectors.

The Copyright Licensing Agency (CLA) - [www.cla.co.uk](http://www.cla.co.uk) [accessed 8 May 2017]

[Back to top](#)

## **CLA [Title search tool](#)**

The **CLA Title Search** is an online search tool that lets you quickly find out what you can copy under your organisation's CLA licence.

Whether you'd like to photocopy and distribute an article to colleagues or upload a report to an intranet or VLE, the CLA Title Search simplifies the steps required to ensure compliance.

UCEM has a **CLA 'Independent Higher Education Photocopying and Scanning Licence'**

**CLA Higher Education, Check Permissions** @ [www.cla.co.uk/higher-education-licence](http://www.cla.co.uk/higher-education-licence) [accessed 8 May 2017]

[Back to top](#)

## **Further guidance on Copyright and Digital Copyright incl.**

- What is copyright? @ [www.cla.co.uk/what-is-copyright](http://www.cla.co.uk/what-is-copyright) [accessed 8 May 2017]
- When does copyright arise?
- What does copyright protect?
- Who owns copyright?
- Joint ownership of copyright
- What rights does a copyright owner have?
- How long does copyright last?
- Copyright infringement
- Remedies for copyright infringement
- Copyright exceptions
- Obtaining clearance to use copyright material
- CLA and copyright licences
- Related organisations and links @ [www.cla.co.uk/related-organisations](http://www.cla.co.uk/related-organisations), and [www.cla.co.uk/what-is-copyright](http://www.cla.co.uk/what-is-copyright) [accessed 8 May 2017]

[Back to top](#)

## **[5 Ways to find images for your website](#)**

The author of this article highlights the point that finding good images online is fairly easy but finding images that are licensed for reuse can be hard.

It is often difficult to know when it's ok to reuse an image that has been published online and when it's not. The internet may be a global network but each country has different copyright laws and there are not simple best practice rules applicable to everyone.

Within this blog, the author takes a look at a best practice example of online image attribution, some of the problems that face anyone trying to work out if they can reuse an image online and five ways to find images licensed for reuse, including:

- The Creative Commons search tool
- Museums, Libraries and Archives
- Getty images
- Gratisography
- Taking your own photo!

Patrick, E., Online Information Manager at CILIP, the Chartered Institute for Library and Information Professionals, 18<sup>th</sup> September, 2014, *5 ways to find images for your website* [online]. Further information is available at <http://www.cilip.org.uk/cilip/blog/5-ways-find-images-your->

[website?utm\\_source=Communicator\\_membership\\_list&utm\\_medium=Email&utm\\_content=Untitled22&utm\\_campaign=Weekly+News+from+CILIP%2c+18+Sept+2014](http://www.rics.org/uk/news/journals/modus/the-africa-issue1/) [accessed 8 May 2017]

[Back to top](#)

## Legal 101 – Know your copyrights from wrongs

Copyright is an issue rarely discussed in construction and development projects, but one that can have far-reaching implications if the relevant permissions are not properly put in place. A Copyright Owner has the right to prevent others from carrying out numerous acts, including copying, adapting, or issuing copies to the public.

**What is a copyright work?** Any project that involves the creation of new “works” such as research, plans, photographs, diagrams, models, plans or charts – as well as the building itself – will need to consider who owns the copyright in those works.

**Who owns the copyright?** The first owner of copyright in any work is the author or, if any employee, his or her employer. More than one person can be an author, whether they have worked together or separately. It is also possible for more than one person to own the copyright.

**Assignment or Licence?** Although it is possible to agree to transfer – or assign – the ownership of copyright, this is rare in the construction and development industry. Consequently, architects, planners and surveyors will each own copyright in the works they produce and have the power to prevent others from using their work at all, or for any purposes other than expressly permitted, as well as controlling permitted uses.

**What should a licence cover?** Permission to use a copyright work is granted in a licence. This can either be a separate document or included as part of a more wide-ranging contract. The licence sets out exactly who can do what with the relevant copyright work, so it is important that the scope is wide enough to cover everything that may be needed for the project, and, subsequently, permission is given to all people or entities who will need it.

*Source:* Wheeler, P., partner, Collyer Bristow, March 2015, RICS MODUS, *Legal 101 – Know your copyrights from wrongs*, p47.

Royal Institution of Chartered Surveyors (RICS), *Modus*, March 2015 – The Africa issue [online], RICS, Knowledge, Journals. Available at: <http://www.rics.org/uk/news/journals/modus/the-africa-issue1/> [accessed 8 May 2017]

[Back to top](#)



## Useful online resources

### 1. Construction Information and Guidance available through the **HSE** -

Within the Health and Safety Executive (HSE) website, there is a wealth of information surrounding Construction.

#### Lucy's Top Searching Tips

By typing in ‘**Construction**’ within the search engine at the top of the website @ [www.hse.gov.uk](http://www.hse.gov.uk) [accessed 8 May 2017] a vast array of ‘subject fields’ are identified incl.

**Construction:** Within the ‘Construction’ section of the HSE website, there is further information on – new to health and safety; safety topics; health topics; Construction Design and Management; Leadership and worker involvement toolkit; Migrant workers in construction; Worker engagement; current campaigns; Managing health risks (COHME); Construction FAQs; Construction news including news and updates about health and safety in the construction industry & Info net including RSS feeds and Construction e-bulletins to sign up to.

**Health and Safety in the Construction Industry** - <http://www.hse.gov.uk/construction/>

**Health and Safety in Construction** - <http://www.hse.gov.uk/pubns/books/hsg150.htm>

**HSE Publications: Free Leaflets – Construction** <http://www.hse.gov.uk/pubns/conindex.htm>

**Construction (Design and Management) Regulations 2015 -**  
<http://www.hse.gov.uk/construction/cdm/2015/index.htm>

**Statistics – Industries** <http://www.hse.gov.uk/STATISTICS/industry/index.htm>

**Statistics - Construction Industry** <http://www.hse.gov.uk/STATISTICS/industry/construction/index.htm>

**Fatal injury statistics, summary for 2015/16** <http://www.hse.gov.uk/statistics/fatals.htm>

**Latest quarterly fatal injury figures for 2016/17** <http://www.hse.gov.uk/statistics/fatalquarterly.htm>

[N.B. Websites accessed 8 May 2017]

[Back to top](#)

## 2. **Revo** – **Retail. Property. Community.**

(formerly British Council of Shopping Centres (BCSC))

BCSC (British Council of Shopping Centres) was the professional body for retail property – an authoritative voice for UK retail-led regeneration and for the management of and investment in shopping places. However, BCSC has now changed and is Revo – Retail. Property. Community. Revo supports the people and businesses involved in the diverse world of retail property and placemaking to thrive and prosper – energizing and driving progress for our community. As stated within their new website:

**A broader remit** – Revo are now embracing all kinds of retail property and all kinds of stakeholders. This diversity makes Revo uniquely placed to champion real improvements and positive change for this sector

**Working together** – Revo intend to harness the collective experience, as well as the influence and resources of their network to challenge and shape this industry for the future

**The influencers** – Revo are there to help shape the future of the retail property and placemaking industry. They will be engaging with even more senior figures in key government departments to raise awareness of Revo locally and nationally.

**The network** – Who you know is just as important as what you know. Revo members have a really broad base, with specialisms and experience of all kinds. Revo aim to create more relevant and accessible business and career development opportunities and make sure the industry has the right people, with the right skills.

**The benchmark** – Revo sets standards, recognizes achievement and sparks ideas. A new educational programme will meet the needs of industry professionals throughout their careers, and there will be a renewed focus on apprenticeships. Revo are also expanding their Awards Programme to better reflect the diversity of the industry.

**The trend spotters and thought leaders** – Revo intends to stay ahead of the curve, prepared for and embracing the future. They will analyze trends, interpret market data and organize focused working groups and think tanks run by true experts in their fields. They will produce pioneering research and insight papers, and establish Revo as the place to come for authoritative commentary.

Having a broad message membership means that the Revo community stay well informed about the large range of issues affecting property owners, developers, investors, asset managers, retailers, consultants, shopping centre managers and public sector employees and can utilize this network to develop solutions to many of the industry's current challenges.

- **Revo Insights** – Revo conduct innovative research into new trends and are the go-to organization for authoritative commentary and insight on industry and political issues. Revo produce thought-provoking content and engaging communications, making sense of the future of our community. Information contained within incl. Latest research and quarterly retail briefings, Industry reports, Guidance notes, Opinion and Trend Bites. Revo Insights [online]. Available at <https://www.revocommunity.org/insights> [accessed 8 May 2017]
- **Revo Education** – Revo are setting standards, recognizing achievement and sparking ideas. Their new educational programme will meet the needs of industry professionals throughout their careers, and they have a renewed focus on apprenticeships. Revo Education [online]. Available at <https://www.revocommunity.org/education> [accessed 8 May 2017]

**Source:** British Council of Shopping Centres (BCSC), now **Revo - Retail. Property. Community** [online]. Available at: <https://www.revocommunity.org/> [accessed 8 May 2017]

[Back to top](#)

### 3. **The National Building Information Modelling (BIM) Library** -

Source: NBS (2016), *NBS National BIM Library* [online] and available at: <https://www.thenbs.com/services/our-tools/nbs-national-bim-library> & NBS homepage [online] and available at <https://www.thenbs.com/> & NBS Knowledge [online] and available at <http://www.thenbs.com/topics/index.asp> [accessed 8 May 2017] –

#### **Introducing NBS**

NBS (trading name of RIBA Enterprises Ltd, and wholly owned by the Royal Institute of British Architects (RIBA)) is committed to offering distinctive, innovative specification and information solutions to construction industry professionals. They have produced specification for over 40 years, including the recognised national standard specification system for the UK. Their NBS specification products cover building construction, engineering services and landscape design. They also produce a range of information products, including The National BIM Library and The Construction Information Services (which UCEM subscribes to).

#### **Lucy's Top Searching Tips**

You will note within the toolbar at the top of NBS that there are sections entitled, 'Services', 'Knowledge' and 'Support':

**Services** – NBS ensure construction industry professionals have access to the right information at the right time in the right way. NBS's specification and collaboration, building product and construction knowledge tools and services enables delivery of outstanding projects in an informed, collaborative and efficient way. NBS services are for – Architecture; Building Services Engineering; Structural Engineering; Landscape Architecture; Small Projects; BIM Projects; For Enterprise; For Local Authorities; and Building Product Manufacturers.

**Knowledge** – NBS's subject specialists author a wide range of interesting articles that help you make informed decisions and deliver the best projects for your clients

#### **Topic areas include**

- Building Information Modelling (BIM),
- Design and Specification,
- Construction Products,
- Contracts and Law,
- Plan of Work and Project Administration,
- Standards and Regulations,
- Sustainability,
- Health and Safety,
- **Additional topics incl.** Classification; Climate change; flooding; Green walls; Heating; IFC; Landscape; PAS 1192-2; Procurement; RIBA Plan of Work; Roofing; Students; Tendering; and Ventilation
- **Construction products incl.** Insulation; Lighting; and Timber
- **Building types incl.** Historic buildings; Museums; and Sports grounds
- **Content type incl.** Book extract; Event preview/review; Publication Index; Surveys; and Video
- **Content series incl.** Ecobuild 2016; Are you BIM ready? The Construction Act – One year after; Climate change adaptation in buildings; and Flood mitigation solutions in buildings
- **NBS Services incl.** NBS BIM toolkit; NBS Building; NBS Create; and NBS National BIM Library
- **NBS Reports incl.** National BIM Report; and NBS National Construction Contracts and Law Survey

**N.B.** Within each topic area has further information incl. Articles, Reports, **VIDEOS**, Recommended reading and Bibliographies.

**Source:** NBS (2017),

NBS National BIM Library [online] and available at: <https://www.thenbs.com/services/our-tools/nbs-national-bim-library> ,

& NBS homepage [online] and available at <https://www.thenbs.com/> ,

& NBS Knowledge [online] and available at <http://www.thenbs.com/topics/index.asp> [accessed 8 May 2017]

[Back to top](#)

#### 4. **Sustainability in Facilities Management** – A useful online tool and resource pool

The Sustainability in Facilities Management (Sustainability in FM) web site provides a practical, easy to use first point of contact for Facilities Managers where best practice case studies on sustainability topics can be found. All case studies are vetted to provide relevance to Facilities Management, practically and absence of marketing spin. The web site also provides Facilities Managers with background information on the most common sustainability issues and links out to recommend centres of excellence.

“Knowledge Transfer Partnerships” (KTP) are a Technology Strategy Board programme set up to improve competitiveness and productivity through the better use of knowledge, technology and skills. The Sustainability in FM research project is a partnership between the British Institute of Facilities Management (BIFM) and the University of Reading under this part government funded scheme.

The aim of the project is to develop practical tools for the FM professional so that they can improve the implementation and management of sustainable practices in the working environment.

**Please note:** To register on *Sustainability in FM* is free but to access the full content of the site registration is required.

Sustainability in Facilities Management (FM) – A useful online tool and resource pool [online] and available at <http://www.sustainabilityinfm.org.uk/home> [accessed 8 May 2017]

[Back to top](#)

#### 5. **RICS (Royal Institution of Chartered Surveyors)**

• **RICS (Royal Institution of Chartered Surveyors)** is an independent body committed to setting and upholding the highest standards of excellence and integrity in land, property and construction -

**Explore RICS** @ <http://www.rics.org/uk/> [accessed 8 May 2017] is a ‘keyword’ section of the RICS website and provides direct links through to information relating to the following topic areas/keywords incl.

• Environment, • Geomatics, • Minerals & waste, • Planning & development, • Rural, • Arts & antiques, • Commercial property, • Dispute resolution, • Facilities management, • Machinery & assets, • Management consultancy, • Residential property, • Valuation, • Building control, • Quantity surveying & construction, • Project management, • Building surveying, • BIM, • Infrastructure, • Measurements, and • Party walls.

Royal Institution of Chartered Surveyors (RICS), 2016, **Explore RICS** and **RICS (Royal Institution of Chartered Surveyors)** [online]. Available at <http://www.rics.org/uk/> [accessed 8 May 2017]

**RICS Library Online catalogue** – 2500 electronic documents selected and catalogued, plus books, magazine articles, law reports and transcripts [online]. Available at <http://unicorn.rics.org/uhtbin/cgiirsi.exe/0/0/0/60/69/X> [accessed 8 May 2017]

**RICS Property Glossary** of terms and acronyms used across the wide range of specialisms covered by chartered surveyors [online]. Available at <http://www.rics.org/uk/knowledge/glossary> [accessed 8 May 2017]

[Back to top](#)

#### 6. **Chartered Institute of Building (CIOB) Insight** –

CIOB Insight – CIOB’s aim is to advance construction management education and to give access to that knowledge so that it can be shared and added to. CIOB do this in a number of ways and via the above

mentioned link you can gain access to CIOB views on leading issues within the industry, access to special interest groups and information contained within their library, along with data they create through their membership and beyond. Sections include Public Affairs; Ambassadors; Magazine; CIOB Library; Special Interest; and Research.

Their archive contains older research that CIOB has undertaken incl.

- The Changing Role of Women in Construction
- The Cowboy Builder: A Public Perspective
- Innovation in Construction
- Occupational Stress in Construction
- UK Construction Report on Sustainability
- Managing the Risk of Delayed Completion.

Chartered Institute of Building (CIOB), 2016, *Insight* [online]. Available at: <https://www.ciob.org/insight> [accessed 8 May 2017]

[Back to top](#)

## 7. **Inclusive Design Hub for the Built Environment** -

This Inclusive Design Hub for the Built Environment is a project of The Design Council who champion great design that improves lives and makes things better.

This Hub is a collection of the latest guidance and best practice on inclusive design in the Built Environment and has the following sections that can be searched upon incl.

- **Sectors:** Culture & Leisure; Transport; Education; Housing; Healthcare; Commercial; Heritage; Government; and Retail
- **Scale & Setting:** Urban; Public realm; Neighbourhood; Single Building; and Rural
- **User Journey:** Circulation and navigation; Visitor facilities; Entry and Exit; Arrival; Pre-arrival and Information
- **Resource Type:** Guidance and Interpretation; Technical resources; Case studies and good practice; and Regulation and legislation
- **Inclusion Type:** Physical inclusion; Visual inclusion; Cognitive inclusion; Social inclusion; Auditory inclusion; Demographic inclusion
- **Development phase:** Design; Management and Maintenance; Planning; Consultation and Engagement; Construction and Inception and definition.

Further information and to search upon the **Inclusive Design Hub**, please visit **The Design Council** [online]. Available at [www.designcouncil.org.uk](http://www.designcouncil.org.uk) [accessed 8 May 2017] and select **Projects** and **Inclusive Design Hub for the Built Environment** [online]. Available at <http://www.designcouncil.org.uk/projects/inclusive-design-hub-built-environment> [accessed 8 May 2017] and click on 'Search the hub'

Source: The Construction Information Service (CIS) - *Briefing (UK – November 2014)* [online]

**Please note:** CIS can be accessed through the **Athens gateway** <http://www.openathens.net/> and by selecting 'IHS Technical Indexes Info4Education'. The Briefing can be downloaded from the CIS homepage.

[Back to top](#)

## 8. **Building Research Establishment (BRE)**

BRE is a world leading, multi-disciplinary, building science centre with a mission to improve buildings through research and knowledge generation.

Through the BRE Group companies BRE and BRE Global, they provide a complete range of consultancy, testing, certification, commissioned research and training services covering all aspects of the built environment and associated industries.

Useful web links provide useful information resources incl.

- **News and Information** [online] and available @ <https://www.bre.co.uk/media-centre.jsp> [accessed 8 May 2017]
- **Case Studies** [online] and available @ <https://www.bre.co.uk/podpage.jsp?id=1744> [accessed 8 May 2017] incl. • BREEAM case studies; • Building Investigations case studies; • Healthcare case studies; • Innovation case studies; • Membership and secretariat case studies; • Sustainable, materials, buildings, communities and businesses case studies; • Timber case studies; Toxicity; and • Bioaccumulation, environmental risk case studies.
- **Projects & Reports** [online] and available @ <https://www.bre.co.uk/podpage.jsp?id=1752> [accessed 8 May 2017] incl. • Visual alarm devices – their effectiveness in warning of fire; • The cost of poor housing to the NHS Briefing Paper; • Characterising the smoke produced from modern materials and evaluating smoke detectors; • Cause of false fire alarms in buildings; • Providing better estimates of solid wall insulation savings; • Domestic energy fact file; • Energy use in homes; • Fires in Enclosed Car Parks; • Photovoltaics field trial; • BeAware research project; • A Review of Part B of the Building Regulations; • Construction Resources and Waste Roadmap; • Improving Sound Insulation in Homes; • Sustainable Construction – Simple ways to make it happen; Internet enabled technologies in buildings; • Summer Time adjustments on energy use; • Carbon Detectives; Well-being and materials; • IDEAL EPBD – Energy Performance of Buildings Directive; • Project Aether: Innovating to reduce the carbon footprint of cement production; • BRE and University of Bath; • The National Refurbishment Centre; • Fire at Rosepark Care Home; • Controlling Water use of trees; • Video – staff room fire reconstruction; Design for Future Climate; • Sitting rooms to cities: refurbishing the existing stock; • West London Property and Asset Management Programme; • Après – Case Study; ECOHeat 4 Cities; • Long term initiatives for flood risk environments; • S-IMPLER; • The SMARTeST FP7 Project; • Carbon Reduction Measures in the Higher Education sector; • Sustainable Estates Options Appraisal Methodology (SEOAM); • Ma TriD projects; • IEE Project EPISCOPE; and • 1968 – Ronan Point gas explosion; • 1979 – Woolworths Manchester fire; • 1981 – Stardust disco; • 1985 – Bradford City football ground; • 1996 – Channel Tunnel; • 2004 – Rose Park care home; • 2004 – Bethnal Green Road; • 2007 – Penhallow Hotel; and • 2007 – Cutty Sark.
- **BRE: in print and on tv** [online] and available @ <https://www.bre.co.uk/page.jsp?id=3253> [accessed 8 May 2017]
- **Building4Change** – The online magazine from the BRE Trust [online] and available @ <https://www.bre.co.uk/page.jsp?id=3168> [accessed 8 May 2017]
- **Sustainability** [online] and available @ <https://www.bre.co.uk/page.jsp?id=1766> [accessed 8 May 2017]
- **Research and Innovation** [online] and available @ <https://www.bre.co.uk/page.jsp?id=1849> [accessed 8 May 2017]
- **BRE Services A–Z** [online] and available @ <https://www.bre.co.uk/atoz.jsp> [accessed 8 May 2017]

Building Research Establishment (BRE) [online] and available @ <https://www.bre.co.uk/index.jsp> [accessed 8 May 2017]

[Back to top](#)

## 9. **Global Research Gateway: CBRE's online resource for Real Estate Research -**

- CBRE, the global leader in real estate services and investment.

Every day, in markets around the globe, CBRE apply insight, experience and resources to help clients make informed real estate decisions. Every year, they complete thousands of successful assignments across a wide range of markets and [real estate service lines](#).

CBRE's deep experience and expertise allows them to paint a precise picture of global commercial real estate conditions and trends. It allows them to recognize opportunities quickly and take advantage of them.

CBRE's mission is to deliver consistently superior results by:

- Always putting the client first
- Bringing the best talent to every assignment
- Collaborating across markets and service lines
- Capitalizing on the depth of our market information and insight

CBRE has a **Global Research Gateway**: Your source for Real Estate Research [online]. Available at <https://researchgateway.cbre.com/> [accessed 8 May 2017]

[Back to top](#)

## 10. **COPAC\*** –

**COPAC** exposes rare and unique research material by bringing together the catalogues of c.90 major UK and Irish Libraries. In a single search you can discover the holdings of the UK's national libraries (including the British Library), many University libraries, and specialist libraries [online]. Further information is available at [www.copac.ac.uk](http://www.copac.ac.uk) [accessed 8 May 2017]

Researchers and educators use COPAC to save time in their research, to quickly and easily discover and locate resources, to check documents details, review materials etc. Information professional trust COPAC to give them access to a unique pool of high-quality bibliographic information.

COPAC is a Joint Information Systems Committee (JISC) service, provided for the UK community on the basis of an agreement with Research Libraries UK (RLUK). The service uses records supplied by RLUK members, as well as an increasing range of specialist libraries with collections of national research interest.

COPAC is a registered trademark of The University of Manchester.

**NOTE: Institution of Civil Engineers (ICE) Library catalogue has been added to COPAC**

COPAC has loaded the catalogue of the Institution of Civil Engineers Library onto COPAC. See the COPAC blog [online] and available @ <http://blog.copac.ac.uk/2015/04/13/institution-of-civil-engineers-library-catalogue-loaded/> [accessed 8 May 2017] for full details.

[Back to top](#)



## **UCEM e-Library portrait**

**UCEM e-Library portrait @ <https://www.ucem.ac.uk/supported-online-learning/elibrary/> [accessed 26 May 2017]**

As of May, 2017, a search of 'construction' on the internet produces over **1,800,000,000 items**. How long will it take you to find exactly what you are looking for?

The UCEM e-Library (accessed through the VLE) is a comprehensive and valuable online resource, enabling staff and students to access a wealth of up-to-date, credible and subject-specific information around the clock. The e-Library ensures that staff and students are kept informed of current and best practice from within construction and real estate, and kept abreast of the latest developments within the profession.

**The UCEM e-Library can:**

- provide a first point of call for staff and students to access digital resources
- add value and depth to work
- contribute to personal and professional development

Resources available include up-to-date information and online searchable databases from key educational and industry-specific sources, including British Library, Open University (UK), Building Cost Information Service (BCIS), Building Services Research and Information Association (BSRIA), Estates Gazette (EGi), International Monetary Fund (IMF), Investment Property Databank (IPD) - a subsidiary of MSCI Inc., and isurv - Royal Institution of Chartered Surveyors (RICS) published material. Staff and students can also access useful web links to additional

digital resources; e-books and e-journals to assist with research and underpin written work, while building current awareness of issues affecting construction and real estate.

You have access to

Click here

to start  
searching the  
database NOW

**NOTE:** For the above link to work you must ensure that you are logged-in to **Athens - Section 2 of the VLE e-Library**

People have access to so much information these days and particularly through the Internet. **“Demonstrating to both UCEM staff and students what their e-Library can do for them remains a key priority.”** Lucy Roper, UCEM Digital Resource Manager

### **Some key facts and figures about the UCEM e-Library**

Access to -

- over 2000 Full-Text Journal Titles
- over 1000 useful web links to e-Resources
- online searchable databases from 15 key industry specific & educational sources
- A discovery service to allow students and staff to search all the UCEM Library services and e-Resources in one place
- Athens gateway – access and identity management system
- a direct link to UCEM’s entire library of study material
- UCEM Published Research and back issues of this eBulletin
- Abstracts and indexes of external databases
- Reading lists, bibliographies and literature reviews
- Guidance notes and fact sheets
- Access to UCEM Research and Occasional Paper series, Reports and Publications, and Archive

### **UCEM e-Library enquiry service –**

UCEM are constantly striving to improve the online resources available to support learning and development. Therefore, having listened and responded to requests, the e-Library has now set up an enquiry service so that library queries can be put direct to an information specialist. So why not email today at [library@ucem.ac.uk](mailto:library@ucem.ac.uk) ?

Or access the e-library online. Available @ <https://www.ucem.ac.uk/> [accessed 26 May 2017]

and click on ‘**Access your VLE**’ & visit the ‘**e-Library**’



### **Student career service –**

The UCEM Careers Service is part of Student Services and provides students with professional Information, Advice and Guidance on all career related matters.

#### **Reasons to use the UCEM Careers Service –**

1. It’s industry specific and on trend. UCEM undertakes research and talks to employers all the time to keep up-to-date.

2. It's tailor made; you may need a straight forward answer to a quick question or some in depth careers coaching. This is not "one size fits all".
3. UCEM runs a great online Job Shop with a wide range of opportunities from two week placements to overseas roles. Employers really want to connect with you and often come to UCEM first with entry level jobs. Why not [click here](#) and **add us to your favourites?**
4. UCEM offers a CV review service to help you produce this all important marketing tool.
5. This service is free, confidential and recognised by MATRIX, the industry Quality Standard. It can challenge the way you see yourself and maybe your perception of Career Advice too.

#### On offer

- Advice by email, phone or Skype
- Career planning tools
- Interview practice
- Labour Marketing Information
- Job search skills
- Country specific advice for international students
- Specialist resources on the VLE

#### Top topics in 2015

- Job hunting, Graduate schemes and entry level jobs
- Career planning – it's essential these days
- Getting industry experience whilst you are studying
- CVs
- Work Life Balance

**Source:** UCEM, 26 October 2015, *CEM Careers Newsletter – CEM Student Career Service*, Reading : UCEM

[Back to top](#)

#### Related Links:

##### [GoConstruct.org](#) website

In September 2015 the Construction Industry Training Board (CITB) launched a response on behalf of many of the industry's training and professional bodies to the persistent call over the last year or more for a single portal – namely **GoConstruct.org** to help schoolchildren and others to explore job and career options within the construction sector, ranging from professional and managerial to trade and supervisory occupations. Hopefully it will cover every role you can think of? The CITB and Construction Excellence website have recommended everyone/readers to take a look at <https://www.goconstruct.org>, pass on the link to those who can use it – and also provide feedback.

Ward, D., 17 September 2015, Constructing Excellence website [online]. Further information is available at <http://constructingexcellence.org.uk/new-careers-website-launched-goconstruct-org-2/> [accessed 8 May 2017]

Or follow them on their Social Media sites. Access via the website **goconstruct.org**



[@GoConstructUK](#) or



#### Related Link:

**A career in construction gives you the chance to be part of something BIG!** [goconstruct.org](#) [accessed 8 May 2017]. [#ElizabethLine](#) [Back to top](#)

## **RICS Careers guide - Schools: Where will the world of surveying take you? [Updated for 2017]**

- Surveyors design, build, manage and protect everything you see. RICS's schools and universities careers guides are essential if you're considering a career in surveying.

Find out what it's like to work as a surveyor, how you can make a difference working on some of the most exciting projects around and get key information on apprenticeship schemes and university courses.

RICS's schools careers guide is a perfect introduction into careers in the built environment and why surveying could be an option.

Royal Institution of Chartered Surveyors (RICS), 2017, *Careers guide – schools* [online]. Available at <http://www.rics.org/uk/the-profession/surveying-2016-careers-guide/> [accessed 8 May 2017]

[Back to top](#)

## **RICS Surveying careers guide 2017 – Universities**

*Surveying 2017* is the annual careers guide from RICS aimed at those interested in learning more about careers in land, property and construction.

If you're set on a career in the built environment, RICS's universities careers guide provides more in-depth information about surveying as a career, including all the different specialisms and how you can gain a globally-recognised RICS qualification.

You can also browse the full list of graduate opportunities and courses provided + access and read this guide in full by downloading the PDF via web-link provided below:

Royal Institution of Chartered Surveyors (RICS), 2017, *Surveying 2017 – RICS Surveying careers guide: You career in land, property and construction* [online]. Available at: <http://www.rics.org/uk/the-profession/surveying-2016-careers-guide/> [accessed 8 May 2017]

RICS Careers [online]. Further information is available at <http://www.rics.org/uk/the-profession/> [accessed 8 May 2017]

[Back to top](#)



**bee sustainable**  
BUILT • ENVIRONMENT • EDUCATION

**BUILT • ENVIRONMENT • EDUCATION**

## **UCEM's Sustainability Hub:**

### **FreeBook: Pathways to Sustainable Agriculture**

Produced in Partnership with the ESRC STEPS Centre

This FreeBook highlights some of the major findings that have emerged over the last decade of the STEPS Centre's research on sustainable agriculture.

It draws on four books which address three themes central to understanding how pathways emerge in agriculture, and how sustainability, is or indeed is not, generated. The three themes are: framing (how we understand agriculture and its roles in development), practice (how agriculture and agricultural research is carried out, and by whom) and governance (how agriculture is regulated and controlled).

[Click here](#) to gain free access to receive your FreeBook. [accessed 8 May 2017]

[Back to top](#)

## [The Routledge Sustainability Hub](#)

The Routledge Sustainability Hub is an innovative Knowledge Centre for the global sustainability community, this Hub offers a wide range of resources for everyone – whether you are a teacher, a student, a professional or a citizen of the earth curious to discover more about the many facets of sustainability.

Further information available at [www.routledge.com/textbooks/sustainability](http://www.routledge.com/textbooks/sustainability) [accessed 8 May 2017]

[Back to top](#)

## [Sustainable Building Training Guide Launched](#)

Produced by the Green Construction Board and the Construction Leadership Council this new guide has been endorsed by leading construction businesses and industry federations, training bodies, and professional institutions.

This accessible guide explains the principles of sustainable building in terms that are useful for the development of content for standards, qualifications, apprenticeships and training courses. Its purpose is to help the training sector to embed sustainability within all mainstream learning, including the national curriculum, apprenticeships, degrees and professional qualifications. It is therefore a key reference for anyone involved in construction training.

The publication, use, and uptake of this guide is a key recommendation of the “Each Home Counts” Reviews. Its adoption and use by the training sector will help us to address the so-called ‘performance gap’ and will ultimately aid the transition to an energy efficient and low carbon built environment.

You can download a copy of the publication via the hyperlink provided below.

CIC - Construction Industry Council (2017), *Sustainable Building Training Guide Launched* [online]. Available at <http://cic.org.uk/news/article.php?s=2017-02-28-sustainable-building-training-guide-launched> [accessed 8 May 2017]

[Back to top](#)

## [Green living: Top 10 sustainable houses](#)

The cost of a house can be counted in dollars, but the construction and running of a house takes a toll on the environment that’s harder to measure. Increasing numbers of people are looking to minimize both environmental impact and financial outlay by outfitting their homes with sustainable technology, and the resulting boom in sustainable building is driving new levels of architectural innovation. With this in mind, Gizmag highlights in this article, ten remarkable houses.

The term sustainable is thrown about quite a bit these days, but there’s more to it than adding some solar panels to the roof of an inefficient building and calling it a day. True sustainability is made up of many facets, from building materials to the use of renewable energy sources to design that strives for efficiency and harmony with the surrounding environment.

The examples meet many of these criteria and include

1. **The Waste House** – a sustainable construction project installed at the UK’s University Brighton. As its name suggests, the prototype home is built *almost* exclusively from discarded waste.
2. **S House** – Vietnam’s Vo Trong Nghia Architects has been tinkering away at the issue of providing practical, sustainable, and most importantly, cheap, homes. The result is the S House, a US \$4,000 dwelling part-built using local, easily-obtained materials, including Palm leaf thatching and bamboo
3. **Fall House** – San Francisco’s Fougerson Architecture recently designed and built a particularly beautiful luxury house that’s guaranteed to make the neighbours see green. Located on California’s Big Sur coastline, the Fall House sports a copper façade that will weather and patina over time, as it comes into contact with the sea air. The copper is also designed to offer a degree of fire-protection.
4. **ZEB Pilot House** – The ZEB Pilot House, by international architecture is a remarkable experimental home that makes an even more remarkable claim: thanks to incredible efficiency and ample solar panels, it’s said to generate almost three times the amount of electricity it requires – leaving plenty of surplus juice for charging and EV, for example.

5. **Pop-up house** – Whatever kind of home you live in, the chances are it took longer to build than the Pop-Up House, by French architecture firm Multipod, which was erected by a team of builders in just four days with no more tools than a screwdriver. The firm likens the construction process to building with lego.
6. **Tighthouse** – Said to be the first certified Passive House in New York City, Righthouse represents an impressive energy-efficient renovation of an existing row house that's over a hundred years old.
7. **Blooming bamboo** – Like Vo Trong Nghia Architects, Vietnamese firm H&P Architects has also produced a prototype home that will eventually be mass-sold to Vietnamese people on a low income. However, this particular home is also flood-proof. The Blooming Bamboo house is placed on stilts and designed to withstand floods of up to 1.5m (5ft) in depth, through H&P Architects hopes to increase this to 3m (10ft)
8. **Slip House** – The Slip House, by Carl Turner Architects, offers a potential template for affordable, sustainable family homes in the UK. Slotted between a row of terraced houses in London, the residence also rests on a brownfield site, formerly used for industrial or commercial purposes. Its unusual form consists of three clipped orthogonal box shapes.
9. **Illawarra Flames** – Students from Australia's University of Wollongong took a typical Australian "fibro house," and retrofitted it with enough sustainable technology to make the notoriously energy-hungry style of home into a net-zero house. The Illawarra Flame house project involved a lengthy renovation process, including transforming a bedroom into a living space, and the installation of prefabricated pods which contain amenities including laundry room and bathroom, and
10. **P.A.T.H.** – Renowned French designer and architect Philippe Starck teamed up with Slovenian prefab firm Riko to bring out a new line of high-end prefab houses called Prefabricated Accessible Technological Homes (or P.A.T.H.). In addition to multiple shapes and sizes P.A.T.H. homes can sport an all glass outer shell, a combination of wood and glass shell, or full-wooden shell. Optional sustainable tech includes a roof-based solar array, roof-based wind turbine, and a rainwater collection and filtration system.

Further information is available at

Williams, A., (2014), 'Green living: Top 10 sustainable houses', *New Atlas, Architecture* [online], 24 November. Available at <http://newatlas.com/gizmag-top-10-sustainable-innovative-green-houses/34712/> [accessed 8 May 2017]

[Back to top](#)

## [How can suppliers practice what they preach on sustainability](#)

Sika Limited and Sika Ireland Limited are part of the global Sika Group, specializing in the manufacture and supply of chemical based products for bonding, sealing, damping, reinforcing, and protecting the building sector and the motor vehicle industry.

The importance of sustainability is recognized the world over but it means different things to different people. For many it is about low environmental impact, whether that is in terms of performance or delivery. However, it is so much more than that and for a global business such as Sika, it is imperative that we fully embrace sustainability and practice what we preach.

As a business, sustainability is embedded into everything we do – it affects us economically, environmentally and socially. It is a fundamental part of our everyday business. As a leading manufacturer of products working across multiple industry sectors and as a responsible employer, sustainability affects our thoughts, behaviours and actions – everyday. For us, sustainability is a shared goal but one whose successes directly benefit all.

We strongly believe in the holistic approach to sustainability and as such have **six sustainability target indicators which encompass the three traditional pillars of sustainability:**

1. **Economics performance**
2. **Sustainability solutions**
3. **Local communities / society**
4. **Energy**
5. **Water / waste**
6. **Occupational safety**

These targets define what we do on a day-to-day basis from a business strategy and culture perspective.

Sika has committed to using the GRI's (Global Reporting Initiative) sustainability reporting standards for our Annual Report, which details initiatives implemented and progress towards sustainability targets. GRI provides the world's most widely used sustainability reporting standards – 92% of the world's largest 250 corporations report on their sustainability performance and 74% of these companies use GRI's standards.

Embracing GRI not only illustrates to stakeholders the importance that we place on sustainability, but also demonstrates that we are not afraid of being open and honest; building trust with customers and local communities alike.

GRI compares performance, year on year. This approach allows us to base our sustainability credentials on fact and not on 'green wash'. This is exceptionally important for a company that produces hundreds of different products, in dozens of different countries, as customers need to have the confidence that what they are specifying or installing is not only fit-for-purpose but also meets their sustainability needs.

As a global company, a global approach to sustainability is required, as demonstrated by our membership of the World Business Council for Sustainable Development and our commitment to the UN Global Compact. Further illustration of our commitment includes 150 tonnes of waste saved and reused at a plant in Germany; a 60% saving of lighting energy at a number of our European factories and warehouses and 6% saving in electricity using outside cooling for processing at a plant in the US.

Sika also works with the Global Nature Fund who have developed partnerships with more than 100 organisations to address drinking water conservation globally. Additionally, in Thailand and Vietnam, Sika staff have volunteered more than 3,600 hours to support Operation Smile International which is dedicated to providing free treatment to children and adults suffering from cleft lips and palates.

Sustainability is in everything we do, every day. It affects all of us and as a business we are proud to practice what we preach and play our part in delivering a more sustainable future.

Source: **Designing Buildings.co.uk Wiki**, (2017) 'How can suppliers practice what they preach on sustainability' [online], last edited 3 May 2017. Further information is available at:

[https://www.designingbuildings.co.uk/wiki/How\\_can\\_suppliers\\_practice\\_what\\_they\\_preach\\_on\\_sustainability](https://www.designingbuildings.co.uk/wiki/How_can_suppliers_practice_what_they_preach_on_sustainability) [accessed 12 May 2017]

#### **Related Link:**

### **Sustainability in building design and construction**

Source: **Designing Buildings.co.uk Wiki**, (2017) 'Sustainability in building design and construction' [online], last edited 6 February 2017. Further information is available at:

[https://www.designingbuildings.co.uk/wiki/How\\_can\\_suppliers\\_practice\\_what\\_they\\_preach\\_on\\_sustainability](https://www.designingbuildings.co.uk/wiki/How_can_suppliers_practice_what_they_preach_on_sustainability) [accessed 12 May 2017]

---

#### **NOTE: Use of Wikipedia as a reference site:**

Wikipedia and use of other Wiki are increasingly being used by people in the academic community, as an easy source of information about anything and everything. However, citation of Wikipedia may not be considered acceptable, because Wikipedia is not a creditable source.

It is important to note that whilst Wikipedia may be one of the Web's most popular reference sites, it is not classed as a credible resource because anyone is allowed to be a contributor to the website.

This can be avoided by following two simple rules:

- Remember that any encyclopaedia (which includes Wikipedia and any other wiki) can be a good starting point for research, and not an ending point.
- An encyclopaedia can be good for getting a general understanding of a subject before you extend your study of the subject further. But you then have to consider the subject in more depth using books, journal articles and other appropriate and credible resources. What you find in these other sources of information will be more detailed, more precise, and more carefully reasoned than the summary you found in an encyclopaedia. The sources you reference/cite in your work will therefore be these more detailed sources you have used.

---

[Back to top](#)

## Healthy buildings will be here to stay

- Good engagement, a strong business case backed up by data and a sense of shared responsibility were all on show at the Healthy Buildings conferences, suggesting health and wellbeing is not just a fad. The **'Healthy Buildings'** conference, held in April 2017, explored ways to improve health and wellbeing in existing commercial properties. Organised by the Building Research Establishment (BRE) in partnership with EVORA, the day featured a stellar cast of expert speakers who spoke to a packed audience at ARUP's London HQ.

The programme gave a platform to developers, landlords, architects, building services engineers, fit-out contractors, as well as occupiers, with detailed specifics on biophilic design, indoor air quality, thermal comfort, acoustics, water and thermal comfort. There were lots of fascinating presentations but for this article the author shares his three main observations of the day.

### **1. Health and wellbeing (H&W) resonates with people on many different levels**

The author was struck by the high level of audience participation and how most people stayed until the end of the day, rather than leave after the lunch as is often the case at conferences. Why was this? Because in the author's view the H&W agenda resonates with people, engaging them on many levels, be it technical or emotional; H&W is a global trend that is not likely to go away. And rightly so, because who is not interested in their own wellbeing while working in an office and the impact that an office environment can have? Another subject of interest to the audience environment professionals was being able to understand their role in the value chain that provides these improvements – be it through design, product innovation or behavioural change. This bodes well for wider adoption of H&W solutions.

### **2. Business case evidence for H&W is strong and expectations will increase**

The day demonstrated the strong evidence that shows clearly the benefits of a healthy building for office occupants and how that translates to commercial benefits for employers and the landlord. It is stating the obvious that no-one wants to design and operate unhealthy buildings, but knowing what elements are essential to H&W and measuring their positive impacts is necessary to convince those who are solely influenced by the bottom line. Various speakers made reference to an array of studies that demonstrate just that. There is no longer the argument that the data is lacking or not market specific enough. Furthermore, the author believes that it will be important for commercial office developers and landlords to act and demonstrate how they are improving their stock to their customers to protect their brand and reputation and their market share.

### **3. Collaboration and shared responsibility is driving the agenda**

Finally, it was clear through the day how delegates and speakers felt a shared sense of responsibility for delivering better buildings and a genuine show of collaboration between developers, building managers and the occupiers to achieve this. Landlords and developers were acknowledging their responsibility, arguing that H&W was more than just the building but extended to improving the public realm. What, for example, is the point of improving indoor air quality if the moment you got out of the building for a break or for your commute, you are hit with air pollution. Developers talked about creating the right social concerns such as homelessness. Throughout the day examples were given on how the different stakeholders were working proactively together and with their supply chains to deliver H&W outcomes.

### **So what does this all mean**

All this suggests that H&W is not a fad or a trend that will go away in a few months. If you consider it as a global trend, covering lifestyles, diet, exercise and technology to monitor performance, then there is no reason to exclude buildings from being part of the mix. Next time you are in your office ask yourself are you in a healthy building? If you don't know the answer ask your landlord and soon you will open up a discussion that can only lead to better buildings. This is after all the goal we all want.

Watch the presentations for yourself on the **BRE Conference YouTube channel** – BRE Conferences (2017) 'Healthy Buildings Conferences', YouTube [channel]. Available at [https://www.youtube.com/playlist?list=PLUji\\_t\\_m\\_rNePzc6pXpkbWkw8KIK7TE3I](https://www.youtube.com/playlist?list=PLUji_t_m_rNePzc6pXpkbWkw8KIK7TE3I) [accessed 8 May 2017]

Access to further information is available at:

Source: Toyne P Dr (2017), Building Research Establishment (BRE) – ‘Healthy buildings will be here to stay’, *Building4Change* [online], 25 April. Available at <http://www.building4change.com/article.jsp?id=2817#.WQyiWmnytEY> [accessed 8 May 2017], **ARTICLE #2818** (BRE).

Related Links:

Healthy Buildings – How to improve health and wellbeing in your existing commercial properties to create healthy buildings [online]. Available at <http://www.citiesconvention.com/healthy/> [accessed 8 May 2017] **BRE / Sustainability** [online] and available @ <https://www.bre.co.uk/page.jsp?id=1766> [accessed 8 May 2017]

[Back to top](#)

## Useful Online Resource

### openDemocracy

**openDemocracy** is an independent global media platform publishing up to 60 articles a week and attracting over 8 million visits per year. Through reporting and analysis of social and political issues, openDemocracy seeks to challenge power and encourage democratic debate across the world. With human rights as their central guiding focus, they ask tough questions about freedom, justice and democracy.

Some articles include

Rowe, J.K. (2016), ‘The puzzle of low oil prices – has the race to beat the carbon bubble already started?’, *Transformation – Where love meets social justice* [online]. Available at <https://www.opendemocracy.net/transformation/james-k-rowe/puzzle-of-low-oil-prices-has-race-to-beat-carbon-bubble-already-started> [accessed 8 May 2017].

Moreno, C., Fuhr, L., and Chasse, D.S., (2016), ‘Beyond Paris: avoiding the trap of carbon metrics’, *Transformation – Where love meets social justice* [online]. Available at <https://www.opendemocracy.net/transformation/camila-moreno-lili-fuhr-daniel-speich-chass/beyond-paris-avoiding-trap-of-carbon-metr> [accessed 8 May 2017]

Jackson, S., (2016), ‘Catastrophism is as much an obstacle to addressing climate change as denial’, *Transformation – Where love meets social justice* [online]. Available at <https://www.opendemocracy.net/transformation/stephen-jackson/catastrophism-is-as-much-obstacle-to-addressing-climate-change-as-den> [accessed 8 May 2017].

[Back to top](#)

## UCEM’s commitment to the sustainability agenda –

### bee sustainable BUILT • ENVIRONMENT • EDUCATION

**UCEM’s** strategic ambition is to develop and implement genuine sustainability credentials as a socially responsible organisation by;

- Ensuring our students leave their study with UCEM conversant in best practice in nurturing a sustainable built environment
- Making sustainability a central focus for UCEM at organisational, departmental and individual levels, and
- Establishing UCEM as a leader in the sustainability agenda through actively influencing industry and conducting research in our sector

UCEM, February 2015, *thirty-seven twenty-seven, Principal’s Update*, Issue 13, Reading: UCEM

[Back to top](#)



## Useful web links

**A - B - C - D - E - F - G - H - I - J - K - L - M  
N - O - P - Q - R - S - T - U - V - W - X - Y - Z**

### A

**American Society of Civil Engineers (ASCE)** Civil Engineering database <http://www.asce.org/> [accessed 25 May 2017] provides free access to over 80 thousand abstracts taken from ASCE publications since 1973.

**Association of Researchers in Construction Management (ARCOM)** brings together all those interested in construction management research. It aims to further the advancement of knowledge in all aspects of management in construction by support education, dissemination and research [online]. Further information available at [www.arcom.ac.uk/index.php](http://www.arcom.ac.uk/index.php) [accessed 25 May 2017]

### B

**BAILLI** Case Law Search (British and Irish Legal Information Institute) [online]. Further information available at [http://www.bailii.org/form/search\\_cases.html](http://www.bailii.org/form/search_cases.html) [accessed 25 May 2017]

**BBC Education** [online]. Further information available at <http://www.bbc.co.uk/news/education/> [accessed 25 May 2017]

**BBC Search** [online]. Further information available at <http://www.bbc.co.uk/search/> [accessed 25 May 2017]

**BCSC (British Council of Shopping Centres)** was the professional body and authoritative voice for retail-led regeneration and for the management of and investment in shopping places [online].

**NOTE:** BCSC is changing, and is now **REVO – Retail. Property. Community**. See **REVO** below. Further information available at <https://www.revocommunity.org/> [accessed 25 May 2017]

**BCSC Research + Education Document listing – Now REVO [online]** and available at <https://www.revocommunity.org/documents/list> [accessed 25 May 2017]

**BIFM (British Institute of Facilities Management)** - BIFM is Europe's leading FM Institute. Founded in 1993, the Institute provides information, education, training and networking services for its members [online]. Further information available at <http://www.bifm.org.uk/bifm/home> [accessed 25 May 2017]

**BIFM, FM World** (Digital Magazine of the BIFM) **Resources** [online]. Further information available at <http://www.fm-world.co.uk/resources/> [accessed 25 May 2017] and <http://www.bifm.org.uk/bifm/knowledge/resources/fmworld> [accessed 25 May 2017]

**BIFM Library** holds all documents produced by the British Institute of Facilities Management [online]. Further information available at [www.bifm.org.uk/bifm/knowledge/resources/library](http://www.bifm.org.uk/bifm/knowledge/resources/library) [accessed 25 May 2017]

**BIM Task Group** – The Building Information Modelling (BIM) Task Group support and develop the objectives of the Government Construction Strategy and the requirement to strengthen the public sector’s capability in BIM implementation [online]. Further information is available at <http://www.bimtaskgroup.org/about/> [accessed 25 May 2017]

**BIMForum** – The BIMForum’s mission is to facilitate and accelerate the adoption of building information modelling (BIM) in the AEC (Architecture, Engineering and Construction) industry. Further information is available via the BIMForum Website [online] and @ <http://bimforum.org> [accessed 25 May 2017]

**BOMA International** (Building Owners and Managers Association International) – a federation of 91 BOMA U.S. associations and 17 international affiliates. Founded in 1907, BOMA’s mission is to advance a vibrant commercial real estate industry through advocacy, influence and knowledge. BOMA Research and Resources [online] and available at <http://www.boma.org/research/Pages/find-a-resource.aspx> [accessed 25 May 2017]

**British Property Federation (BPF)** – The British Property Federation is a membership organisation devoted to representing the interests of all those involved in real estate ownership and investment [online]. Further information available at <http://www.bpf.org.uk/en/index.php> [accessed 25 May 2017]

**BRE (Building Research Establishment)** is an independent and impartial, research-based consultancy, testing and training organisation, offering expertise in every aspect of the built environment and associated industries [online]. Further information available at <http://www.bre.co.uk/about-us.jsp> [accessed 25 May 2017]

**BRE, Building4Change** - Launched by the Building Research Establishment (BRE) Trust in 2009, Building4Change is an online knowledge hub, dedicated to sustainability, innovation and best practice in the built environment. It delivers a free-to-view daily digest of news and information from across the built environment, including greater detail on the news from the BRE Group. Available online at <http://www.building4change.com/index.jsp> [accessed 25 May 2017]

**BSRIA (Building Services Research and Information Association)** is a test, instrumentation, research and consultancy organisation, providing specialist services in construction and building services. <https://www.bsria.co.uk/> [accessed 25 May 2017]

**Builder and engineer** [online]. Available at <http://www.builderandengineer.co.uk/> [accessed 25 May 2017] – Free access to articles from Builder and Engineer magazine and locate information on current projects as well as company profiles, products and industry news.

**Building Conservation . com** [online] – Information resources for conservation, restoration and repairs. Available at <http://www.buildingconservation.com/> and Articles directory by subject @ <http://www.buildingconservation.com/articles/articles.htm> [accessed 25 May 2017]

**Building Design Directory** – provides construction and environmental products / services / information for Architects, Engineers and Facility Managers [online]. Available at <http://www.buildingdesign.co.uk> [accessed 25 May 2017]

**Building talks** [online]. Available at [www.buildingtalk.com](http://www.buildingtalk.com) [accessed 25 May 2017] *Building Talks* is an email newsletter for Architects, Civil Engineers and Building Services Contractors.

**C** [\[Back to A-Z\]](#)

**CABER (Centre for Architecture and Built Environment Research)** seeks to develop innovative approaches, procedures, technologies and techniques that support the design, management, reconfiguration, maintenance and operation of buildings, their fabric and the environments they create. **Note:** CABER incorporates the previous Centre for Construction and Property Research (CPRC). CABER [online] and available @ <http://www1.uwe.ac.uk/et/research/caber.aspx> [accessed 25 May 2017]

**CBA (Council for British Archaeology)** is an independent charity bringing together members, supporters and partners to give archaeology a voice and safeguard it for future generations [online]. Available at <http://new.archaeologyuk.org/> [accessed 25 May 2017]

**CBI (Confederation of British Industry)** is the UK's premier business lobbying organisation, providing a voice for employers at a national and international level [online]. Available at <http://www.cbi.org.uk/> [accessed 25 May 2017]

**CBI Construction Section** [online]. Available at <http://www.cbi.org.uk/business-issues/construction/> [accessed 25 May 2017]

**CBRE (Commercial Real Estate Services)** is the world's largest real estate services provider, with a preeminent leadership position in virtually all key business centers globally [online]. Available at <http://www.cbre.com/EN/Pages/Home.aspx> [accessed 25 May 2017]

**CEBE (The Centre for Education in the Built Environment)** - As part of the Subject Network of the Higher Education Academy (HEA) [online] and available at <https://www.heacademy.ac.uk/> [accessed 25 May 2017] the Centre provides discipline based support to enhance the quality of learning and teaching in the UK Higher Education CEBE, **Built Environment community**.

**CEM (College of Estate Management)** – See **UCEM (University College of Estate Management)**

**CIC (Construction Industry Council)** – The representative forum for the professional bodies, research organisations and specialist business association in the construction industry [online] and available at <http://cic.org.uk/> [accessed 25 May 2017]

**CIOB (Chartered Institute of Building)** The Chartered Institute of Building is the international voice of the building professional, representing an unequalled body of knowledge concerning the management of the total building process [online]. Available at <http://www.ciob.org.uk/> [accessed 25 May 2017]

**CIOB Insight** incl. Library and Information Services [online]. Available at <http://www.ciob.org.uk/library> [accessed 25 May 2017]

**CIOB – Construction Manager** [online]. Available at <http://www.constructionmanagemagazine.com/> [accessed 25 May 2017]

**CIOB – Global Construction Review** [online]. Available at <http://www.globalconreview.com/> [accessed 25 May 2017]

**CIOB – Policy and Public Affairs portal** [online]. Available at <http://policy.ciob.org/> [accessed 25 May 2017]

**CIRIA – The Construction Industry Research and Information Association** and CIRIA Resources [online]. Further information is available at <http://www.ciria.org/default.aspx> [accessed 25 May 2017] and CIRIA Resources [online].

**CITB – Construction Industry Training Board** is the training board for the construction industry and partner in ConstructionSkills, the Sector Skills Council [online]. Available at <http://www.citb.co.uk/> [accessed 25 May 2017]

**Cities / buildings images database** [online]. Available at [www.washington.edu/ark2](http://www.washington.edu/ark2) [accessed 25 May 2017] is a collection of images of buildings and cities from around the world aimed at students, researchers and educators.

**Constructing Excellence (delivered with bre)** is a platform for industry improvement to deliver excellence through clients, industry and users through collaborative working. Resources include publications, tools and newsletter [online]. Available at <http://constructingexcellence.org.uk/> [accessed 25 May 2017]

The **Construction Index** [online] provides a wide range of information services for the UK construction industry, incl. search engine of construction companies, daily construction news,

market data, email newspaper letter, and Case Law analysis and legal commentary. Further information is available at <http://www.theconstructionindex.co.uk/> [accessed 25 May 2017].

**Construction News** [online]. Available at [www.cnplus.co.uk](http://www.cnplus.co.uk) [accessed 25 May 2017]

**Construction Products Association (CPA)** represents the UK's manufacturers and distributors of construction products and materials. Further information available at Construction Products Association [online]. Available at <http://www.constructionproducts.org.uk/> [accessed 25 May 2017]

**Contractors World** magazines (incl. **Contractors World International** and **Contractors World UK & Ireland**) are the leading international digital publications. Delivering site reports, equipment reviews and comments of interest on the construction, mining, quarrying and related industries [online]. Available at <http://cwmags.info/> and <http://cwmags.co.uk/index.php> [accessed 25 May 2017].

**COPAC** exposes rare and unique research material by bringing together the catalogues of c.90 major UK and Irish Libraries. In a single search you can discover the holdings of the UK's national libraries (including the British Library), many University libraries, and specialist libraries [online]. Further information is available at <http://copac.ac.uk/> [accessed 25 May 2017]

**COTAC (Conference on Training in Architectural Conservation)** was formed in 1959 to improve the standard of education of everyone involved in building conservation, including craftsmen, professionals and home owners [online]. Available at <http://ihbconline.co.uk/cotac2/> [accessed 25 May 2017]

**COTAC Digital Bibliography** [online]. Available at [http://www.cotac.org.uk/digital\\_bib/](http://www.cotac.org.uk/digital_bib/) [accessed 25 May 2017]

**CPIC (Construction Project Information Committee)**, responsible for providing best practice guidance on the content, form and preparation of construction production information, and making sure this best practice is disseminated throughout the UK construction industry [online]. Available at <http://www.cpic.org.uk/> [accessed 25 May 2017]

**CPRC (Construction and Property Research Centre), University of the West of England (UWE)** – the CPRC's research activity is focused around the three inter-related stages of the built environment life-cycle, namely design, construction and maintenance [online]. Available at <http://www1.uwe.ac.uk/et/research/cprc.aspx> [accessed 25 May 2017]. **Note:** CABER (Centre for Architecture and Built Environment Research) mentioned above incorporates the CPRC.

**CPRC, UWE Research Repository** – Providing immediate world-wide open access to all of UWE's research output [online]. Available at <http://eprints.uwe.ac.uk> [accessed 25 May 2017]

**CPRE (Campaign to Protect Rural England)** – CPRE campaign for a beautiful and living countryside. They work to protect, promote and enhance our towns and countryside to make them better places to live, work and enjoy, and to ensure the countryside is protected for now and future generations [online] Available at <http://www.cpre.org.uk/> [accessed 25 May 2017].

**CPRE Resources** provides the latest news articles, policy guidance notes, published reports and research surrounding the following - Countryside, Farming and food, **Housing and planning**, Energy and Waste, and Transport [online]. Available at <http://www.cpre.org.uk/resources> [accessed 25 May 2017]

**CPWR (The Center for Construction Research and Training)** – CPWR is dedicated to reducing occupational injuries, illnesses and fatalities in the construction industry through research, training and service programs. CPWR [online] and available at <http://www.cpwr.com/> [accessed 25 May 2017]

**D** [[Back to A-Z](#)]

The **Design Council** champions great design that improves lives and makes things better [online] and available @ <http://www.designcouncil.org.uk/> [accessed 25 May 2017]. See also **Inclusive Design Hub for the Built Environment** (a project of The Design Council) listed below.

**Designing Buildings Wiki** [online] and available at <http://www.designingbuildings.co.uk/wiki/Home> [accessed 25 May 2017] - an industry-wide, cross-discipline forum for finding and sharing information.

**Designing Buildings Wiki – Student resources** [online] and available at [https://www.designingbuildings.co.uk/wiki/Student\\_resources](https://www.designingbuildings.co.uk/wiki/Student_resources) [accessed 25 May 2017] – *Designing Buildings Wiki* has a wide range of resources aimed at students of the built environment, as shown here.

**DOAB (Directory of Open Access Books)** is a service which harvests details of academic and mainly peer-reviewed books published on open access [online]. Available at <http://www.doabooks.org/doab> [accessed 25 May 2017]

**DOAJ (Directory of Open Access Journals)** covers all open access scientific and scholarly journals, using a quality control system to guarantee the content [online]. Available at <https://doaj.org/> [accessed 25 May 2017]

## E [\[Back to A-Z\]](#)

**The Economics Network** provides publications, events and other resources to support university teachers of economics throughout the UK and worldwide [online]. Available at [www.economicsnetwork.ac.uk](http://www.economicsnetwork.ac.uk) [accessed 25 May 2017]

**Engineering and Physical Sciences Research Council (EPSRC)** is the main UK government agency for funding research and training in engineering and the physical sciences, investing more than £800 million a year in a broad range of subjects – from mathematics to materials science, and from information technology to structural engineering [online] and available at <https://www.epsrc.ac.uk/> [accessed 25 May 2017]

**English Heritage** cares for over 400 historic buildings, monuments and sites – from world-famous prehistoric sites to grand medieval castles, from Roman forts on the edges of the empire to a Cold War bunker. Further information is available at <http://www.english-heritage.org.uk/> [accessed 25 May 2017]. **Note:** English Heritage has now separated into two organisations. If you are looking for information on listing, planning, grants or heritage research and advice, please visit **Historic England** (listed below).

**Estates Gazette** The UK's largest commercial property news team [online]. Available at <http://www.egi.co.uk/Property/Home.aspx> [accessed 25 May 2017]

**Estate Gazette, News from the nationals** – Round-up of the top property stories with quick links ... [online]. Available at <http://www.egi.co.uk/news/news-from-the-nationals-6/> [accessed 25 May 2017]

**European Real Estate Society (ERES)** was established in 1994 to create an international real estate network between academics and professionals across Europe [online]. Further information is available at <http://www.eres.org/> [accessed 25 May 2017]. **ERES Digital Library** [online] and available at <http://eres.architexturez.net/> [accessed 25 May 2017]

## G [\[Back to A-Z\]](#)

**Great Buildings** [Online]. Available at [www.greatbuildings.com](http://www.greatbuildings.com) [accessed 25 May 2017] provides a database of buildings around the world and across all historic periods. You can search the database by building names, place or architect name. It provides access to 3D models, photographic images and architectural drawings.

**Glenigan** [online]. Available at <https://www.glenigan.com/> [accessed 25 May 2017] provides UK construction project sales leads, market analysis, forecasting, and company intelligence.

**The Green Construction Board** [online]. Further information is available at <http://www.greenconstructionboard.org/> [accessed 25 May 2017] – The role of the GCB is to provide leadership and action to enable the whole value chain (clients, contractors, product manufacturers and suppliers) to become more environmentally, sustainable, more productive and better placed to exploit the growing global market.

**The Guardian, Housing network** – providing insight, advice and best practice from your community [online]. Available at <http://www.guardian.co.uk/housing-network/> [accessed 25 May 2017]

**The Guardian, Higher Education network** [online]. Available at <http://www.guardian.co.uk/higher-education-network> [accessed 25 May 2017]

**H** [\[Back to A-Z\]](#)

**Health and Safety Executive (HSE)** – HSE is the national independent watchdog for work-related health, safety and illness. HSE are an independent regulator and act in the public interest to reduce work-related death and serious injury across Great Britain’s workplaces [online]. Available at <http://www.hse.gov.uk/index.htm> [accessed 25 May 2017] and **HSE – Health & Safety in the construction industry** [online] is available @ <http://www.hse.gov.uk/construction/> [accessed 25 May 2017]

**HELM (Historic Environment Local Management)** - provides accessible information, training and guidance to decision makers in local authorities, regional agencies and national organisations whose actions affect the historic environment. **Note:** You can now find all HELM web content on the **Historic England** website [online] and available @ <http://www.historicengland.org.uk/advice/planning/local-heritage/helm-redirect> [accessed 25 May 2017].

**Heritage Alliance** - The largest coalition of heritage interests in England, the Heritage Alliance is the umbrella body for national and major regional Heritage NGOs [online]. Available at <http://www.theheritagealliance.org.uk/> [accessed 25 May 2017]

**Heritage Alliance’s Heritage Update E-Bulletin** [online]. Available at <http://www.theheritagealliance.org.uk/heritage-update> [accessed 25 May 2017]

**Heritage Update: the online edition** of the fortnightly Heritage Alliance’s Heritage Update e-bulletin [online] and available at <http://www.theheritagealliance.org.uk/update/> [accessed 25 May 2017]

**Heritage Help** - Created by the Joint Committee of the National Amenity Societies, Heritage Help offers information and advice on matters related to the management and protection of local historic environments [online]. Available at <http://heritagehelp.org.uk> [accessed 25 May 2017]

**Higher Education Academy (HEA)** – The Higher Education Academy champions excellent learning and teaching in higher education. The HEA are a national and independent organisation, funded by the four UK HE funding bodies and by subscriptions and grants [online]. Available at <https://www.heacademy.ac.uk/> [accessed 25 May 2017] and **HEA Knowledge HUB** [online] and available at <https://www.heacademy.ac.uk/hub> [accessed 25 May 2017]

**Higher Education Empirical Research (HEER)** Database comprises summaries of the latest published research on a range of topics related to higher education [online]. Available at <http://heer.qaa.ac.uk/> [accessed 25 May 2017]

**Historic England** is the public body that looks after England’s historic environment. Historic England champion historic places, helping people understand, value and care for them. Further information is available at <http://www.historicengland.org.uk/> [accessed 25 May 2017]

**Home Builders Federation (HBF)** – HBF represents and serves its members in a range of ways including; Ensuring senior politicians and government officials are aware of housing issues and the challenges faced by our members; and working with Government officials to ensure housing policies are introduced that facilitate housing supply, in a way that is workable for the industry [online]. Available at <http://www.hbf.co.uk/> [accessed 25 May 2017]

**House Building Careers** (part of HBF) – Here you will be able to learn about the home building industry and how it benefits you, your community and the country as a whole [online]. Further information available at <http://housebuildingcareers.org.uk/> [accessed 25 May 2017]

I [\[Back to A-Z\]](#)

**ICDE (International Council for Open and Distance Education)** – ICDE is the leading global membership organisation for enhancing the quality of open, distance, flexible and online education, including e-Learning [online]. Available at <http://www.icde.org/> [accessed 25 May 2017]

**ICE (Institution of Civil Engineers)** ICE is a registered charity that strives to promote and progress civil engineering [online]. Available at <https://www.ice.org.uk/> [accessed 25 May 2017]

**ICE Virtual Library** [online]. Available at [www.icevirtuallibrary.com](http://www.icevirtuallibrary.com) [accessed 25 May 2017] is a free database that indexes all ICE journals.

**IHBC (Institute of Historic Building Conservation)** is the principal professional body for building conservation practitioners and historic environment specialists working in England, Northern Ireland, Scotland and Wales, with connections to the Republic of Ireland [online]. Available at <http://www.ihbc.org.uk> [accessed 25 May 2017]

**Inclusive Design Hub for the Built Environment** is a collection of the latest guidance and best practice on inclusive design in the built environment (and a project of **The Design Council**) [online]. Available at <http://www.designcouncil.org.uk/projects/inclusive-design-hub-built-environment> [accessed 25 May 2017]

**ITcon** – The **Journal of Information Technology in Construction** is a peer-reviewed scholarly journal on the use of IT in architecture, civil engineering and facility management [online] and available at <http://www.itcon.org/> [accessed 25 May 2017]

J [\[Back to A-Z\]](#)

**JOLT (Journal of Online Learning and Teaching)** – The **MERLOT Journal of Online Learning and Teaching** is a peer-reviewed, open-access, online publication that aims to promote scholarship in the use of the Internet and web-based multimedia resource in higher education [online]. Available at MERLOT Journal of Online Teaching and Learning (JOLT): <http://jolt.merlot.org> and <http://jolt.merlot.org/currentissue.html> [accessed 25 May 2017]. **Note:** See MERLOT below.

**JournalTOCs** is the largest, free collection of scholarly journal Title of Contents (TOCs) [online]. Available at <http://www.journaltoocs.ac.uk/index.php> [accessed 25 May 2017]

**JEBE (Journal for Education in the Built Environment)** is the leading UK publication for pedagogy in the built environment disciplines [online]. Further information is available within the **Higher Education Academy (HEA) Knowledge HUB** [online] and available at <https://www.heacademy.ac.uk/hub> [accessed 25 May 2017]

**JEBE JISC Content** – This website provides an introduction to digital collections designed for education. They are mainly aimed at university students, researchers and librarians but many of the online archives are open to anyone @ <https://www.jisc.ac.uk/website/legacy/jisc-content> [accessed 25 May 2017]. **Note:** The JISC Content portal closed on 1 July 2016, however links are provided to Archives Hub and Digital Resources from this link.

**JORUM** – After 13 years delivering and sharing content across the higher education, further education and skills sectors the Jorum service and website was retired on 30 September 2016. However, many of the open education resources (OER) that were available in Jorum, access to their Archive can be accessed via the JISC website [online]. Available at <https://www.jisc.ac.uk/website/legacy/jorum> [accessed 25 May 2017] where you can also gain access to JISC's full digital resources offer.

**L** [\[Back to A-Z\]](#)

**Leeds Metropolitan University's CeBE – Centre for the Built Environment** – CeBE has researched ways to reduce domestic energy use for nearly 20 years [online]. Available at [www.leedsmet.ac.uk/cebe](http://www.leedsmet.ac.uk/cebe) [accessed 25 May 2017]. CeBE's Virtual Site Gallery contains construction details, case studies, site photographs, and plant details @ [www.leedsmet.ac.uk/teaching/vsite/gallery/](http://www.leedsmet.ac.uk/teaching/vsite/gallery/) [accessed 25 May 2017]

**Local Government Association (LGA)** - The LGA is the national voice of local government. They work with councils to support, promote and improve local government [online]. Available at <http://www.local.gov.uk/> [accessed 25 May 2017]

**LGA Knowledge Hub** - Knowledge Hub is the public sector's professional social network which helps people in local government connect and share online in a secure environment [online]. Available at <https://khub.net/> [accessed 25 May 2017]

**M** [\[Back to A-Z\]](#)

**MERLOT – Multimedia Educational Resource for Learning and Online Teaching.** The MERLOT project began in 1997, when the California State University Center for Distributed Learning (CSU-CDL) at [www.cdl.edu](http://www.cdl.edu) [accessed 25 May 2017] developed and provided free access to MERLOT at [www.merlot.org](http://www.merlot.org) [accessed 25 May 2017]. MERLOT is a curated collection of free and open online teaching, learning, and faculty development services contributed and used by an international education community.

**MERLOT Journal of Online Learning and Teaching** (JOLT and mentioned above) is a peer-reviewed, open-access, online publication that aims to promote scholarship in the use of the Internet and web-based multimedia resource in higher education [online]. Available at MERLOT Journal of Online Teaching and Learning (JOLT): <http://jolt.merlot.org> and <http://jolt.merlot.org/currentissue.html> [accessed 25 May 2017]. **Note:** The MERLOT community is joining with the Online Learning Consortium (OLC - formerly Sloan C and mentioned below) to expand scholarly research in the field of online education, with a merger of the Journal Online Learning (formerly JALN) and the Journal of Online Learning and Teaching (JOLT).

**N** [\[Back to A-Z\]](#)

**National BIM (Building Information Modelling) Library**, the construction industry's free-to-use resource of the NBS (trading name of RIBA Enterprises Ltd) standard BIM content [online]. Available at <https://www.thenbs.com/services/our-tools/nbs-national-bim-library> [accessed 25 May 2017], NBS homepage is available at <https://www.thenbs.com/> [accessed 25 May 2017], and NBS Knowledge [online] is available at <https://www.thenbs.com/knowledge> [accessed 25 May 2017]

**National Skills Academy for Construction (NSAfc)** – The NSAfc is an industry-led framework supporting clients and contractors to identify, develop and realise employment and skills solutions across construction projects [online]. Available at <https://www.citb.co.uk/national-skills-academy-for-construction/> [accessed 25 May 2017]. It is facilitated by the CITB – Construction Industry Training Board (see above).

**The National Trust** protect historic houses, gardens, mills, coastline, forests, woods, fens, beaches, farmland, moorland, islands, archaeological remains, nature reserves, villages and pubs [online]. Available at <http://www.nationaltrust.org.uk/> [accessed 25 May 2017]

**National Trust's Land use & planning** [online]. Available at <http://www.nationaltrust.org.uk/what-we-do/big-issues/land-use-and-planning/> [accessed 25 May 2017]

**NCE** [online]. Available at [www.nce.co.uk](http://www.nce.co.uk) [accessed 25 May 2017] is the official website of the **New Civil Engineer**, a weekly magazine published for the ICE.

## O [\[Back to A-Z\]](#)

**OAJSE (Open Access Journals Search Engine)** – An Open Access e-Journal portal. Search for articles in Open Access journals from around the World (excl. India) [online]. Available at <http://www.oajse.com/index.html> [accessed 25 May 2017]. Specialist subject areas including-Business and Management; Construction; Economics; Education; Law; Library and Information Science; and Social Sciences to name but a few.

**OECD (Organisation for Economic Cooperation and Development)** iLibrary is the online library of the OECD, featuring its books, papers and statistics and is the gateway to OECD's analysis and data. It replaced SourceOECD in July 2010 [online]. Available at <http://www.oecd-ilibrary.org> [accessed 25 May 2017]

**OER Hub - Open Education Resources, Research Hub** – OER Hub gathers research on the impact of open education resources (OER) on learning and teaching practices [online]. Further information is available at <http://oerhub.net/> [accessed 25 May 2017]

**Online Learning Consortium (OLC)** – The OLC is devoted to advanced quality online learning by providing professional development, instruction, best practice publications and guidance to educators, online learning professionals and organisations around the world. Further information is available at Online Learning Consortium [online] and available at <http://onlinelearningconsortium.org/> [accessed 25 May 2017]

**OLC's Online Learning** – the official journal of the Online Learning Consortium [online]. Available at <http://onlinelearningconsortium.org/read/> [accessed 25 May 2017]

**Open Praxis** – Open Praxis (published by the International Council for Open and Distance Education – ICDE) is a peer-reviewed open access scholarly journal focusing on research and innovation in open, distance and flexible education [online]. Available at <http://openpraxis.org/index.php/OpenPraxis/index> [accessed 25 May 2017]

**Open University (OU) UK** [online] and available at <http://www.open.ac.uk/> [accessed 25 May 2017]

**Open University (OU) UK, Institute of Education Technology** [online] and available at <http://www.open.ac.uk/iet/main/> [accessed 25 May 2017]

**ORBEE (Open Resources in Built Environment Education)** contains a collection of free, high quality teaching and learning materials for online learning or use in the classroom [online].

## P [\[Back to A-Z\]](#)

[www.Parliament.co.uk](http://www.Parliament.co.uk), **Research briefings** produced by the House of Commons Library, the House of Lords Library and the Parliamentary Office of Science and Technology (POST). Parliament, Parliamentary business, Publications and records, Research briefings [online]. Further information is available at <http://researchbriefings.parliament.uk/> [accessed 25 May 2017]

**The Planning Portal** - the UK Government's online planning and building regulations resource for England and Wales [online]. Available at <https://www.planningportal.co.uk/> [accessed 25 May 2017]

**Planning Advisory Service (PAS)** – The Planning Advisory Service provide consultancy and peer support, training sessions and online resources to help local authorities understand and respond to planning reform [online]. Available at <http://www.local.gov.uk/pas> [accessed 25 May 2017].

**Note:** PAS have a new website

**Planning Officers Society (POS)** – The Planning Officers Society is the voice for public sector planning practitioners, pursuing good and effective planning practice within local government [online]. Available at <http://www.planningofficers.org.uk/> [accessed 25 May 2017]

**The Prince's Regeneration Trust** is a UK charity that helps redundant historic buildings perform a new function, unlocking a regeneration of the wider community [online]. Available at <http://www.princes-regeneration.org/> [accessed 25 May 2017]

**PPN (Property People's Network)** is open to all interested in land and property and provides a forum to network through a range of social activities and visits [online]. Available at <http://www.pponline.co.uk/> [accessed 25 May 2017]

**Property Week** – Commercial property news [online]. Available at <http://www.propertyweek.com/> [accessed 25 May 2017]

## R [\[Back to A-Z\]](#)

**Regeneration and Renewal – Planning magazine blog** [online]. Available at <http://regen.net/home/> [accessed 25 May 2017]

**Revo – Retail. Property. Community** (formerly BCSC (British Council of Shopping Centres) is the professional body and authoritative voice for retail property and placemaking-led regeneration and for the management of and investment in shopping places [online]. Further information available at <https://www.revocommunity.org/> [accessed 25 May 2017]

**RICS (Royal Institution of Chartered Surveyors)** is an independent body committed to setting and upholding the highest standards of excellence and integrity in land, property and construction. See also Explore RICS [online]. Available at <http://www.rics.org/uk/> [accessed 25 May 2017]

**RICS Library Online catalogue** – 2500 electronic documents selected and catalogued, plus books, magazine articles, law reports and transcripts [online]. Available at <http://unicorn.rics.org/uhtbin/cgiirsi.exe/0/0/0/60/69/X> [accessed 25 May 2017]

**RICS Property Glossary and Guides** – Glossary of Property terms and issues across the wide range of specialisms covered by chartered surveyors [online]. Available at <http://www.rics.org/uk/knowledge/glossary> [accessed 25 May 2017]

**Royal Town and Planning Institute (RTPI)** – RTPI is the UK's leading planning body for spatial, sustainable and inclusive planning and is the largest planning institute in Europe with over 23,000 members. In 2014 they celebrate their Centenary [online]. Available at <http://www.rtpi.org.uk/> [accessed 25 May 2017]

## S [\[Back to A-Z\]](#)

**Savills Research** – Savills Research provides advice and analysis to clients across the UK, with specialists in commercial, residential and rural property research [online] and available at <http://www.savills.co.uk/research/uk.aspx> [accessed 25 May 2017]

**Specification Online** – the free to use news and online products resource for specifiers working across the architectural and building sector [online] and available at <http://specificationonline.co.uk> [accessed 25 May 2017]

**Supply Chain Sustainability School** – The Supply Chain Sustainability School represents a common approach to developing sustainability competence in the supply chain. It is a free resource available to any supplier, and is part of their continued commitment to lead the industry into a brighter, more sustainable future. Supply Chain Sustainability School [online]. Further information is available at <https://www.supplychainschool.co.uk/uk/default-home-main.aspx> [accessed 25 May 2017]

**T** [\[Back to A-Z\]](#)

**The Telegraph – Property and construction industry:** The latest news, analysis and share prices on Britain's biggest construction and property companies [online]. Available at <http://www.telegraph.co.uk/property-and-construction-industry/> [accessed 25 May 2017]

**U** [\[Back to A-Z\]](#)

**UCEM (University College of Estate Management)** is the leading provider of supported distance learning for real estate and construction professionals [online]. Available at <https://www.ucem.ac.uk/> [accessed 25 May 2017]

**University of the West of England (UWE), Centre for Architecture and Built Environment Research (CABER)** – The CABER seeks to develop innovative approaches, procedures, technologies and techniques that support the design, management, reconfiguration, maintenance and operation of buildings, their fabric and the environments they create. **Note:** CABER incorporates the previous Centre for Construction and Property Research (CPRC) CABER [online]. Available at <http://www1.uwe.ac.uk/et/research/cprc.aspx> [accessed 25 May 2017]

**UWE Educational Resources for the Built Environment (ERBE)** – The ERBE produces unique and highly respected educational resources for academic and professional use, and incorporates the **Video Project** and the **Construction Website**. Further information can be found on the ERBE website [online] and available at <http://www1.uwe.ac.uk/et/cp/erbe.aspx> [accessed 25 May 2017]

**UWE, ERBE, The Video Project** produces films on building construction, history and conservation. Established in 1992 and has produced over 30 films which are widely used nationally and internationally at all levels of academia, CPD and in professional practice [online]. Further information is available at <http://www1.uwe.ac.uk/et/cp/erbe/constructionfilms.aspx> [accessed 25 May 2017]

**UWE, ERBE, The Construction Website** is an interactive encyclopaedia covering construction, conservation and building history. It is expanded and revised on an annual basis [online]. Further information is available at <http://www1.uwe.ac.uk/et/cp/erbe/constructionweb.aspx> [accessed 25 May 2017]

**UWE, Research Repository (CPRC)** – Providing immediate world-wide open access to all of UWE's research output [online]. Available at <http://eprints.uwe.ac.uk> [accessed 25 May 2017].

**V** [\[Back to A-Z\]](#)

**Virtual Training Suite** - This website provides a set of free Internet tutorials to help students develop their Internet research skills for a particular university course [online]. Available at <http://www.vtstutorials.co.uk/> [accessed 25 May 2017]

**Z** [\[Back to A-Z\]](#)

**ZETOC:** The monitoring and search service for global research publications, providing access to over 29,000 journals and more than 52 million article citations and conference papers through the British Library's electronic table of contents [online]. Available at <http://zetoc.mimas.ac.uk/> [accessed 25 May 2017]

*The web links provided were correct at time of compilation.*

## Disclaimer

This e-bulletin is intended to highlight news items and provide basic background information only. UCEM cannot accept responsibility for the content of external websites. [Click here](#) to view and refer to UCEM's [Terms of use](#).

**Please note:** some web-links do not work on Internet Explorer and therefore you may need to use a PC with [Chrome](#), [Firefox](#) or other browsers.

---

**University College of Estate Management** (UCEM), Horizons, 60 Queen's Road, RG1 4BS, UK – UK (Free): 0800 019 9697, International: +44 (0)118 921 4696, Email: [Click Here](#)



**Lucy Roper** BSc (Hons) CertHE ACILIP AFHEA  
Digital Resource and Copyright Team Leader  
+44 (0)118 921 4661 | [www.ucem.ac.uk](http://www.ucem.ac.uk)

**University College of Estate Management**  
Horizons, 60 Queen's Road, Reading, RG1 4BS

## Student Central

If you have any questions or queries you should submit them through Student Central (access via the VLE and Student Services) rather than by email, or contact a member of the Student Advice Team on +44 (0) 118 921 4696.