



[Redacted]

20 January 2022

Dear [Redacted],

**Freedom of Information request: FOI2021/00526**

Thank you for your Freedom of Information request received on the 19 December in which you requested the following:

**Your request:**

*What funding has been allocated to and spent by the Building Research Establishment (BRE) as part of the Construction Innovation Hub (CIH)?*

*What deliverables has BRE produced using these funds?*

*What percentage of the total funds allocated to BRE have been spent refurbishing or enhancing BRE's accommodation?*

**Our response**

I can confirm UK Research and Innovation (UKRI) hold information relevant to your request. Please see the information below.

**What funding has been allocated to and spent by BRE as part of the CIH?**

The CIH grant was awarded to the Manufacturing Technology Centre (MTC) with BRE as one of the main partners, funded via a subcontract agreement. BRE were allocated £17.304m in the original application. Additionally, approximately £1m was added to the CIH budget to complete work with the Department for Education on net zero schools, and £3m added to support partner companies through pandemic delays. Some of these funds were managed by BRE.

The overall programme is reviewed annually to meet the CIH objectives and funds can be vired around the partners to ensure the programme is met. The exact spend by BRE will not be known until the end of the project (end 2022) but spend to date is approximately £18m.

**What deliverables has BRE produced using these funds?**

BRE has produced a series of technical reports for CIH and collaborated on CIH outputs including deliverables that are the result of collaborative work from all CIH partners. The results of the collaborative work from all CIH partners including BRE can be found below.

Jun-21	<a href="#">Smart Standards: An approach to implementing ISO 19650-2 using tasks in a digital process</a> <a href="#">Modelling across the built and natural environment interface</a> <a href="#">The Value of Information Management in the Construction and Infrastructure Sector</a>
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	<a href="#">Agile Standards - Making Excellence a Habit</a>
May-21	<a href="#">Skills and Competency Framework report</a> <a href="#">Developing a Capability Enhancement Programme</a>
Apr-21	<a href="#">Vision for the Built Environment</a> <a href="#">National Digital Twin: Integration Architecture Pattern and Principles</a> <a href="#">A Framework for Composition: A Step Towards a Foundation for Assembly</a> <a href="#">An integrated approach to information management: Identifying decisions and the information required for them using activity and process models</a>
Mar-21	<a href="#">BIM Training Landscape - a directory of training providers and courses</a> <a href="#">BIM Early Steps Roadmap</a> <a href="#">Pathway towards an Information Management Framework - summary of consultation responses</a> <a href="#">The Approach to Develop the Foundation Data Model for the Information Management Framework</a> <a href="#">Skills and Competency Framework</a>
Feb-21	<a href="#">Information interoperability: business benefits case</a> <a href="#">Government Soft Landings report</a>
Nov-20	<a href="#">A survey of Top-Level Ontologies</a> <a href="#">A Survey of Industry Data Models and Reference Data Libraries</a> <a href="#">BIM in Local Authorities</a> <a href="#">Four Futures, One Choice</a>
Jul-20	<a href="#">UK BIM Framework Learning Outcomes Edition 1.</a>
Jun-20	<a href="#">BIM Interoperability Expert Group Report Public Consultation Summary</a> <a href="#">Information Protocol to support BS EN ISO 19650-2 published today by the UK BIM Framework</a>
May-20	<a href="#">Assessment of the benefits of BIM in Asset Management - Part 1 - Context and Methodology</a> <a href="#">An Approach to Delivering a National Digital Twin for the United Kingdom</a> <a href="#">The pathway towards an Information Management Framework - A 'Commons' for Digital Built Britain</a> <a href="#">Flourishing Systems - Re-envisioning infrastructure as a platform for human flourishing</a>
Apr-20	<a href="#">Information Protocol according to BS EN ISO 19650 Guidance part 2 Process for Project Delivery ed 4</a> <a href="#">BIM Interoperability Expert Group Report</a> <a href="#">Research and Development Landscape Review</a>

Mar-20	<a href="#">Government Soft landings Interactive Process Map</a>
Feb-20	<a href="#">Information Protocol according to BS EN ISO 19650 Guidance part 2 Process for Project Delivery ed 3</a>
Jan-20	<a href="#">Becoming Digital: Enacting Digital Transformation in Construction Projects</a>
Dec-19	<a href="#">Principle-based digital twins: a scoping review</a> <a href="#">High-level introduction and summary of the SFT BIM Return on Investment (ROI) Tool</a> <a href="#">High-level introduction and summary of the SFT Infrastructure Technology Navigator</a>
Nov-19	<a href="#">A BIM approach to alignment of organisational objectives to AIR</a> <a href="#">Information Protocol according to BS EN ISO 19650 Guidance part 2 Process for Project Delivery ed 2</a> <a href="#">Government Soft Landings, revised guidance for the public sector on applying BS8536 parts 1 and 2</a>
Aug-19	<a href="#">Capability Framework and Research Agenda for a Digital Built Britain</a> <a href="#">Information Protocol according to BS EN ISO 19650 Guidance part 2 Process for Project Delivery ed 1</a>
Jul-19	<a href="#">On the Governance of City Digital Twins</a>
Jun-19	<a href="#">Research Landscape: Scoping Review</a> <a href="#">Making the Digitally Enabled Services and Supply Chain Work</a> <a href="#">Integration and Optimisation of Services Embedded in the Built Environment</a> <a href="#">Digital tools in the creation and through-life management of built assets</a>
May-19	<a href="#">Citizen Requirements within a Smart Cities framework</a>
Apr-19	<a href="#">Future Capabilities Report: The Creation and Through-Life Management of Built Assets and Infrastructure</a> <a href="#">Information Management according to BS EN ISO 19650 - Guidance Part 1: Concepts</a> <a href="#">Roadmap from the DFTG and launch of Digital Twin Hub</a>
Mar-19	<a href="#">Can AR and VR allow us to build beautiful?'</a>
Feb-19	<a href="#">Toward a Digitally Enabled Estate: Project Capella</a>
Jan-19	<a href="#">Service Business Model Innovation: the digital twin technology</a>
Dec-18	<a href="#">Gemini Principles</a>
Nov-18	<a href="#">IOT Network Behaviours and Dependencies</a>
Oct-18	<a href="#">A Bayesian Definition of Most Probable Parameter</a>
Aug-18	<a href="#">Blockchain and Smart Contracts: What the AEC sector needs to know</a> <a href="#">Challenges of Digitalisation in the Aerospace and Aviation Sectors</a>

Jul-18	<a href="#">Challenges of Digitalisation in the Offshore Oil and Gas Sector</a>
Jun-18	<a href="#">Level 2 Convergence Reports</a> <a href="#">PwC BIM Benefits Methodology and Report</a>
Mar-18	<a href="#">Platforms - Bridging the gap between construction + manufacturing</a>

These publications are not exhaustive and cover only tangible deliverables.

**What percentage of the total funds allocated to BRE have been spent refurbishing or enhancing BRE's accommodation?**

Innovate UK does not hold the relevant information, however we can confirm that the originally planned refurbishments works of around £1.5m did not go ahead.

If you have any queries regarding our response or you are unhappy with the outcome of your request and wish to seek an internal review of the decision, please contact:

Head of Information Governance

Email: [foi@ukri.org](mailto:foi@ukri.org) or [infogovernance@ukri.org](mailto:infogovernance@ukri.org)

Please quote the reference number above in any future communications.

If you are still not content with the outcome of the internal review, you may apply to refer the matter to the Information Commissioner for a decision. Generally, the ICO cannot make a decision unless you have exhausted the review procedure provided by UKRI. The Information Commissioner can be contacted at: <http://www.ico.gov.uk/>

If you wish to raise a complaint regarding the service you have received or the conduct of any UKRI staff in relation to your request, please see UKRI's complaints policy: <https://www.ukri.org/about-us/policies-and-standards/complaints-policy/>

Yours sincerely,

Information Governance  
Information Rights Team  
UK Research and Innovation  
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