

Engendering HBIM for the Sustainable Management of Cultural Heritage

Participant Information Sheet

Project Aim:

Building Information Modelling (BIM) is the process of creating an intelligent 3D model of an asset which also contains extra information about 'objects' within the asset. This information includes geometric information (e.g. dimensions of a window) and non-geometric information (e.g. details of the materials that make up a structure or manufacturers handbooks). Traditionally, BIM models are created for new build projects using construction drawings and are updated as the project progresses. The finished model can then be used as a tool for facilities management upon the building's completion, to help manage the asset, but BIM as a whole is severely underutilised for this.

Historic/heritage BIM (HBIM) is a branch of BIM that creates a model from an existing historical asset. HBIM could serve as a digital record of heritage information and an accurate 3D recreation of the as-is condition to enable informed decision making. There is currently no standard for HBIM, nor comprehensive identification of the information requirements and storage techniques for HBIM. If correctly developed, HBIM could greatly assist with the sustainable management of heritage for future generations. The purpose of the interviews is to gain insight into how you currently work with heritage and how you would potentially use a HBIM if it was available.

How your information will be used:

The purpose of the interviews is to determine the information needs of the different stakeholders involved in the management of heritage. The questions will revolve around your experience of working with heritage, what information you need access to and how you would envisage using a HBIM model. The aim is to establish information needs and uses according to experts with experience of working with heritage assets. The information requirements will then be associated with modelling and data storage techniques for HBIM and existing heritage practices to develop a standard to be applied to any heritage asset. The information will be included in a thesis and may potentially be used for academic publications.

Withdrawal:

You can withdraw your information from this project anytime until **2 months after your interview date** by contacting me or my supervisor. All information will be removed from any work and interview recordings and transcripts will be deleted. After **2 months after your interview date** your information will not be able to be removed from the project.

Confidentiality:

Transcripts of the interviews will be typed up and stored with the project data. Your name and/or job title will be included with the transcript. Interview transcripts and recordings will only be shared with myself and the project supervisors.

Heritage management is largely dependent on individual perspectives and in-use circumstances. Therefore, it may be beneficial to include your job title and/or organisational affiliations in association with the data. This will only be done if you consent to it. If you do not consent to your job title and/or organisational affiliation being associated with the information, the data you provide will be included using a generic title of "Heritage Expert". Any information you provide that is

subsequently used in any publications or the thesis will be anonymised. You can indicate your preference in the Participant Consent Form.

Data Storage:

Interview recordings and transcripts will be stored securely password protected and will only be shared with myself and my supervisors.

At the end of the project, data will be made openly accessible. All data will be anonymised prior to sharing.

Project results:

Please email me or my supervisor if you would like a copy of your interview transcript or a summary of the results.

Contact Details:

If you have any further questions or wish to withdraw your information please contact me. If you would like to provide further information you can.

Post Graduate Researcher Name: Lucy Lovell

Post Graduate Researcher Email: LJL848@student.bham.ac.uk

Alternatively, you can contact my project supervisors.

Supervisor Name: Dr Richard Davies

Supervisor Email: R.J.Davies.1@bham.ac.uk

Co-supervisor Name: Dr Dexter Hunt

Co-supervisor email: d.hunt@bham.ac.uk

Participant Consent Form

Participant Name:.....

Job Title:.....

Organisation:.....

Interview Date:.....

Please read the options below regarding confidentiality of data and **pick one option:**

- | | |
|--|------------------------------|
| <i>I consent for my job title and organisation to be included with information in the thesis and any publications</i> | Yes <input type="checkbox"/> |
| <i>I consent for my job title to be included within the information in the thesis and any publications (my organisation will be anonymised).</i> | <input type="checkbox"/> |
| <i>I would like any information I give to be included in any publications or the thesis anonymised</i> | <input type="checkbox"/> |

Please read the below statements and tick the box to indicate your agreement:

I have read and understood the Participant Information Sheet and consent for my information to be used in this way

I understand that information I provide will be anonymised and made available in an Open Access format for referencing at the end of the project

I consent for the interview to be recorded

I understand that I can only withdraw my information up until **2 months after my interview date (above)**

Please read the below statements and **tick the box to indicate your preference:**

- | | Yes | No |
|--|--------------------------|--------------------------|
| <i>I am happy to be contacted again if necessary</i> | <input type="checkbox"/> | <input type="checkbox"/> |

If yes, please provide contact information such as address, email address, phone number.

.....

Participant Signature:.....

Date:.....