ISHIZAWA LAB.

Social Use of Building Information Model

Development of Human and Society
Interspace Research Center

Building Information Modeling

Department of Architecture, Graduate School of Engineering

https://sites.google.com/view/tsukasaishizawa

We pursue the reutilization of building information produced through the process of design and construction.

1 | BIM Steering Force

- Recapturing cooperative collaboration process in large-scale design-build projects.
- Redefining the BIM/CAD talent in Japanese architecture and construction ecosystem.
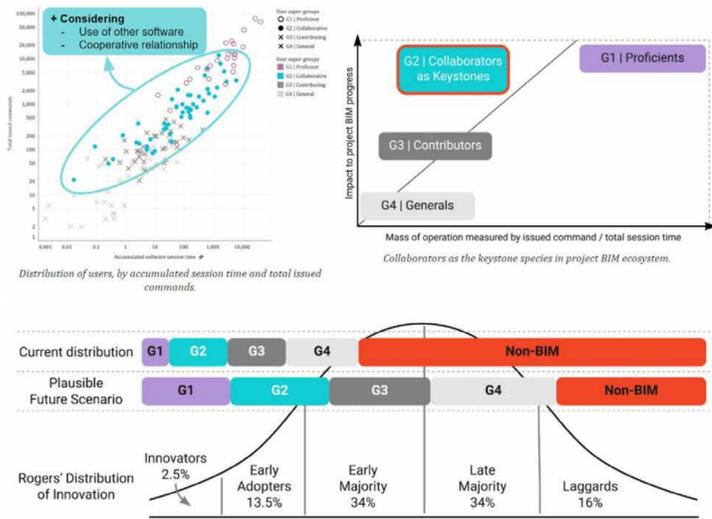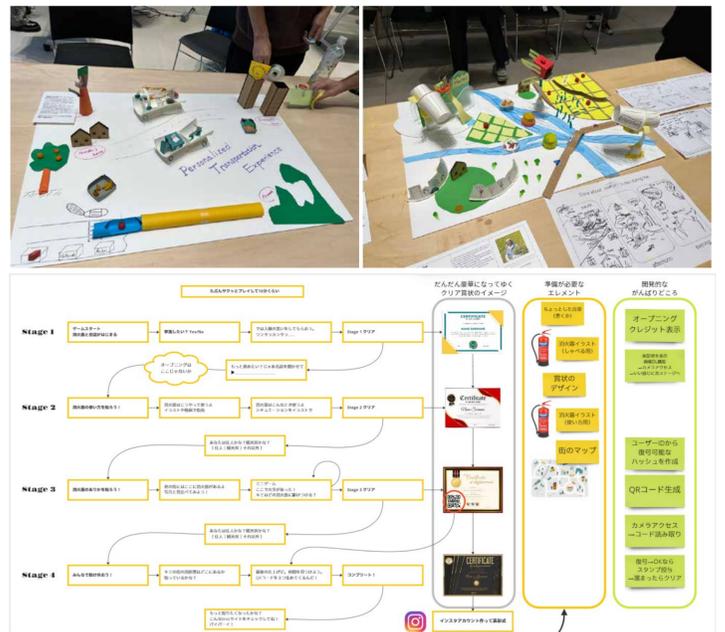

Distribution of users, by accumulated session time and total issued commands.

Collaborators as the keystone species in project BIM ecosystem.

Figure 41. Distribution of user supergroups jointly interpreted with the adopter categorization based on innovativeness, Source:[211], copyright (2008) by the title of publisher.
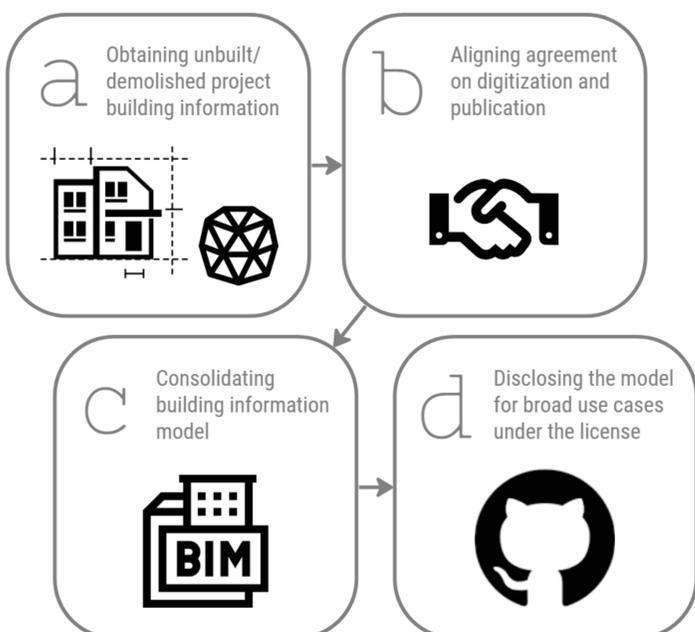
2 | BIM Gamification

- Discovering the potential use of video-game-originated methodologies to leverage the building information further for local communities.

3 | BIM for Heritage (HBIM)

- Restoring the demolished / unbuilt project digitally.
- Building models to be publicly shared as open data.

a. Obtaining unbuilt/ demolished project building information

b. Aligning agreement on digitization and publication

c. Consolidating building information model

d. Disclosing the model for broad use cases under the license

4 | BIM, CDE & IPR

- Identifying IPR problems in digital environment including the metaverse.

Metaverse as Common Data Environment

Database — Metaverse
- Model
- Track-of-Modification
- Audio Record
- Speech-to-text
- Document/Submittals
- Member Directory
- Memorandum

Meeting (face-to-face / online)

Building Information Model

Conventional delivery (drawings)

Project Owner

Architect Engineer Construction Technician

Consultants Subcontractors