



BIM4EEB

BIM based fast toolkit for
Efficient rEnovation in Buildings

BIM4EEB

Horizon2020 project

BIM based fast toolkit for Efficient rEnovation of residential Buildings

www.bim4eeb-project.eu

BIM4EEB Final Conference



Caverion



Tuesday 5 April 2022: 15:00 – 16:30 (CET)

[BIMworld - Paris](#), Paris Expo, Porte de Versailles, 75015 Paris- France

Conference room: TBC

Agenda

- 15:00 | 15:10 [BIM4EEB](#) Introduction
Prof. Bruno Daniotti – Project Coordinator ([PoliMi](#))
- 15:10 | 15:20 Presentation by European Commission Project Officer
Dimitrios BILIOURIS
- 15:20 | 16:20 Toolkit presentation (setting the scene with the [tools' video](#))
- [BIMMS](#), BIM Management System
Davide Madeddu [OneTeam](#)
- [Fast Mapping Tool](#), Mapping and Augmented Reality
Eva-Lotta Kurkinen [RISE-CGI](#)
- [BIMeaser](#), Decision support tool for Energy Savings
Markku Kiviniemi, [VTI](#)
- [BIMcpd](#), HVAC Design and Performance Evaluation
Brian O'Regan, [UCC](#)
- [BIMplanner](#), Renovation works' management
Markku Kiviniemi, [VTI](#)
- [BIM4Occupants](#), Occupants' Profiling Mechanism
Andrea Giovanni Mainini, [PoliMi](#)
- [AUTERAS](#), Tool for room automation
[TUD](#) (TBC)
- 16:20 | 16:30 Question and Answers and final remarks

Visit us at **Booth A38** for more information!



This project has received funding from European Union's H2020 research and innovation programme under grant agreement N. 820660

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Event description



BIM4EEB partners are happy to present the BIM toolkit for efficient renovation developed during 4 years of this EU-funded research and innovation project.

At the one hour and a half conference, you will learn about the **BIM Management System (BIMMS)**, a platform for easy exchange and use of information gathered from different sources throughout the building's life cycle, and the six tools integrated into it as follows.

Fast mapping toolkit encompasses a mix reality goggles and sensor stick developed to scan to BIM existing buildings and elements such as plasterboard studs.

BIMeaser stands for a BIM **Early Stage Energy Scenario** tool. The tool is designed to support the decision-making process in the early design stage of the renovation process. The tool allows the assessment of several energy refurbishment design options to provide solutions that best fit to the client requirements while optimising the energy use and the indoor comfort for the occupants.

BIMcpd stands for BIM **C**onstraint **C**hecking, **P**erformance Analysis and **D**ata Management. The tool is a user-friendly intuitive software suite designed to reduce processing time for constraint checking, increase building energy performance knowledge, standardise building energy data and help users to make informed and better decisions.

BIMPlanner provides a digital environment to share up-to-date information about the plans and site progress operations with all participants of a renovation project. Applying the Location-based management system (LBMS), the tool links data from familiar planning and tracking desktop tools with BIM models to allow more effective management of renovation site operations.

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BIM4Occupants application enables continuous monitoring of ambient and energy conditions in real time as well as access to historical information. The users are able to get a quick overview of current contextual conditions while also receive insights about the overall performance in the past. On the other hand, the users of the tool are triggered to interact with the application and provide feedback about the environmental conditions in premises; information that is further utilised for the extraction of the typical behavioural profiles of the users under different contextual conditions.

AUTERAS supports building services designers to design Room Automation Systems (as part of Building Automation Control Systems-BACS) with a semi-automated process of a functional requirement survey and the generation of function block-based designs, which use standardised symbols to ensure a high comprehension from professionals in different trades.

Join us!

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