

## BIM4EEB

## Horizon2020 project

# BIM based fast toolkit for Efficient rEnovation of residential Buildings

www.bim4eeb-project.eu







Solintel

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

BIMwolrd - 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 <u>tools' video</u>)



SIERC

**BIMMS**, BIM Management System

Davide Madeddu OneTeam

one team

Fast Mapping Tool, Mapping and Augmented Reality

Eva-Lotta Kurkinen <u>RISE</u>-<u>CGI</u>



**BIMeaser**, Decision support tool for Energy Savings

Markku Kiviniemi , VII

Caverion

BIMcpd, HVAC Design and Performance Evaluation

Brian O'Regan, UCC



**BIMplanner**, Renovation works' management

Markku Kiviniemi, VTT



**BIM4Occupants**, Occupants' Profiling Mechanism

Andrea Giovanni Mainini, PoliMi



**<u>AUTERAS</u>**, Tool for room automation

TUD (TBC)

16:20 | 16:30 Question and Answers and final remarks



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



























#### Caverion















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

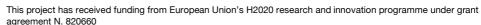
At the one hour and a half conference, you will learn about the **BIM Management System (BIMMS)**, a platform for easy exchange and use of information gathered from different sources throughout the building's life cycle, and the six tools integrated into it as follows.

**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 S**tage **E**nergy 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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#### Caverion



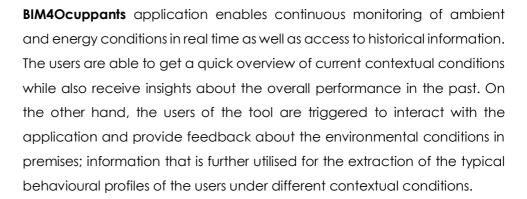












**AUTERAS** supports building services designers to design Room Automation Systems (as part of Building Automation Control Systems-BACS) with a semi-automated process of a functional requirement survey and the generation of function block-based designs, which use standardised symbols to ensure a high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

Join us!

