



REHVA Annual Meeting 2021

REHVA Supporters Committee

13 April 2021

BIM-SPEED competition

- The competition aims to invite **professionals and students active in the design and construction industry** to present a **residential building renovation project** that applies the **BIM tools and methods** developed by the BIM-SPEED partners
- The challenge is to **develop a renovation project** (using BIM-SPEED platform for collaboration) in a way that allows **energy saving for the occupants**, improves their **comfort** while **reducing the time and the cost** of the overall process

Eligible participants

Architects

Engineers (civil, HVAC, mechanical etc.)

Contractors

Surveyors

Students

Teams of professionals/students



No individual applications

Application

Minimum requirements

Application via BIM-SPEED website

Multidisciplinary team (not individuals)

Renovation of Residential Buildings

Energy Savings category

Use BIM-SPEED platform

Use at least one of the BIM-SPEED tools



Categories

Professionals



- Multidisciplinary Team
- Use of their own renovation of residential building project

Students

- Multidisciplinary Team
- All building models will be provided for the development of the design proposal (BIM-SPEED demo cases)



Evaluation criteria

Evaluation
criteria

Collaboration during the project: use of BIM-
SPEED platform

Time and cost savings in the project by using
the platform

Use of at least one of the BIM-SPEED tools

Renovation design applying sustainable
strategies

Addressing issues and strategies related to
user comfort



Available BIM-SPEED tools

- [CYPE Architecture](#)
- [IFC Builder](#)
- [Open BIM Construction Systems](#)
- [Open BIM analytical model](#)
- [CYPETHERM Eplus](#)
- [CYPETHERM Improvements Plus](#)
- GIS data collector service
- [3DASH plug-in](#)

- [Thingsboard](#) (IoT platform) proxy service
- [Thingsboard](#) (IoT platform) exporter
- ECOtool
- [BIMtoBEPS](#)
- Indoor environmental quality KPIs
- MEREEN weather service

Deliverables

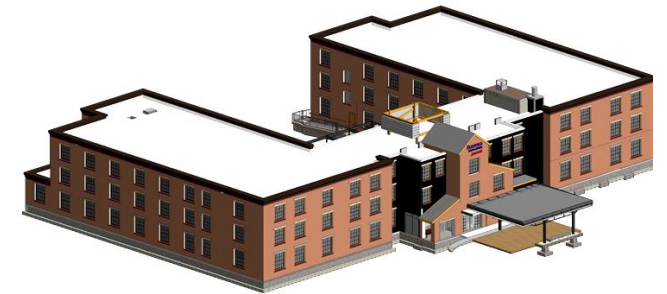
A report



IFC File



Infographic



Awards



EU-wide exposure through BIM-SPEED professional groups and dissemination channels

Monetary awards

Free educational licence for BIM tools

PROFESSIONAL

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EU-wide exposure through BIM-SPEED dissemination channels and network of partners

Presentation of their project on ACE General Assembly

Presentation of renovation project during EUSEW2022

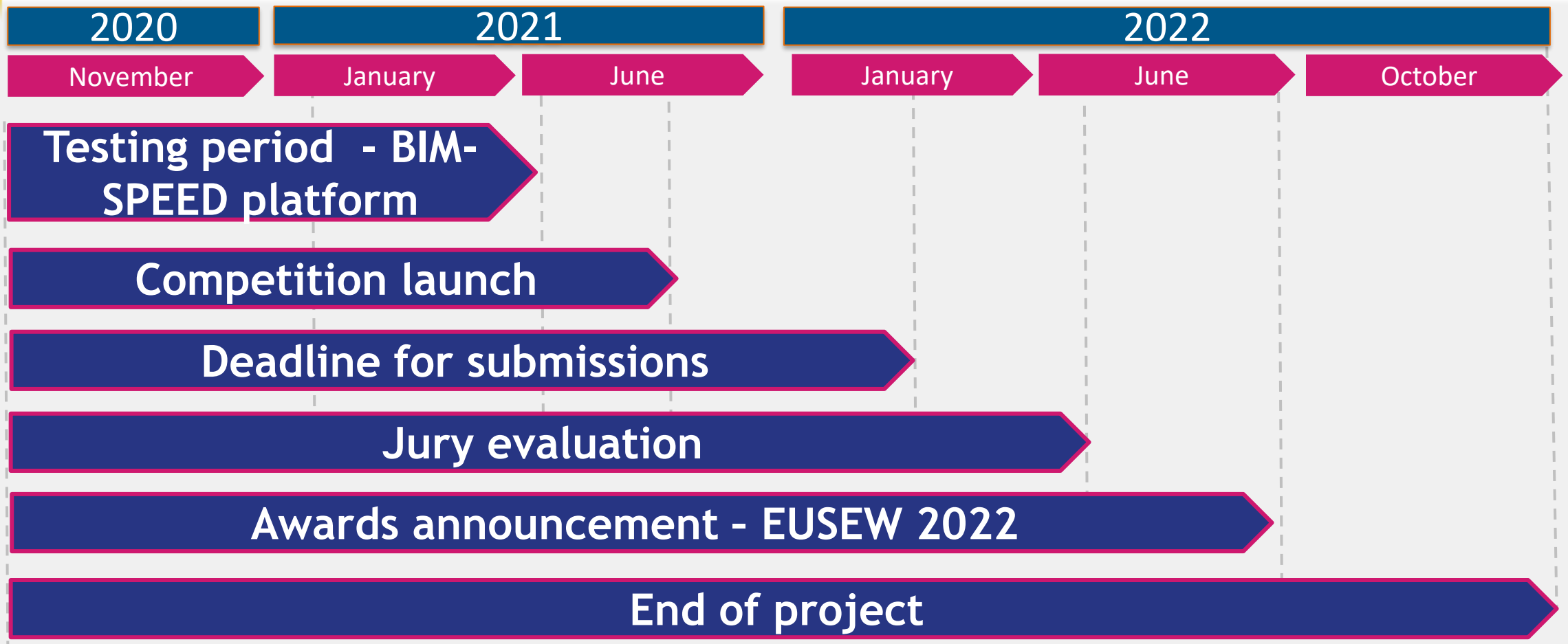
3 months internship in EU Research and Innovation projects

Monetary awards

STUDENTS



Timeline



STAY TUNED



COLOPHON



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