



# Technology and Research Committee

**15 April 2021**

***Jarek Kurnitski, TRC Chair***

## Objectives

- Enable all stakeholders to adopt BIM to reduce the time of deep renovation projects by 30%
- Remove technological, economic and organisational bottlenecks to increase BIM adoption by all stakeholders
- Creating and implementing renovation solution with guaranteed energy performance
- 13 real demonstration cases (IT, BG, RO, ES, PL)



# 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

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Architects

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Engineers (civil, HVAC, mechanical etc.)

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Contractors

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Surveyors

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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

- Multidisciplinary Team
- Use the model of one BIM-SPEED demo case

## Students



# 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

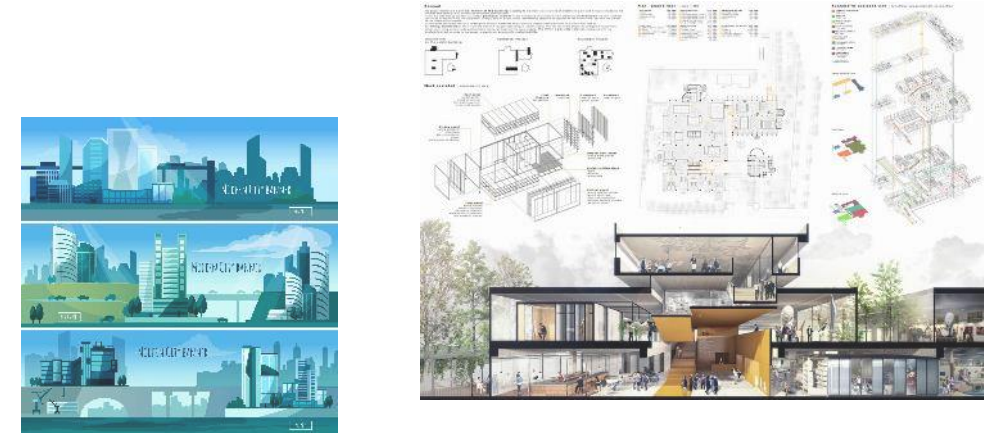
A report



IFC File



Infographic



# Awards



## PROFESSIONALS

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

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Monetary awards

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Free educational licence for BIM tools

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

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Presentation of their project on ACE General Assembly

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Presentation of renovation project during EUSEW2022

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3 months internship in EU Research and Innovation projects

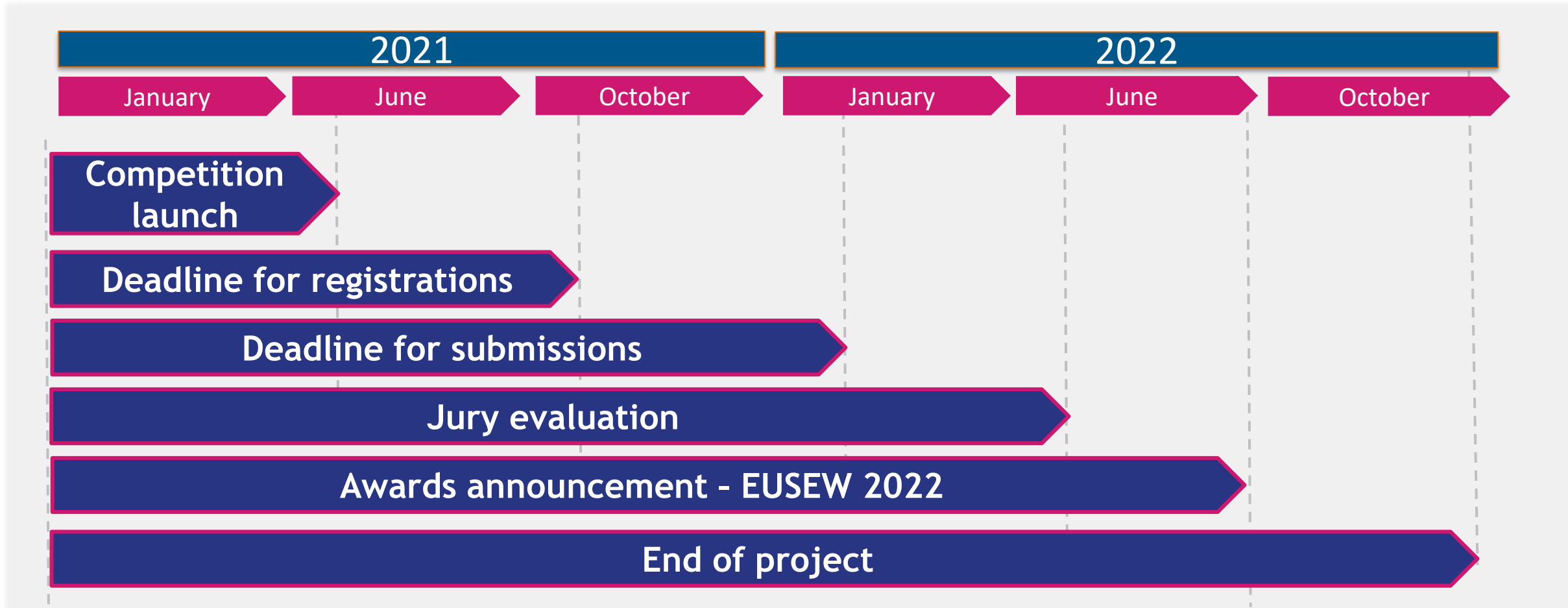
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Monetary awards

## STUDENTS



# Timeline



# STAY TUNED

Announcements and Updates via BIM-SPEED website and social media!

