

BIM-SPEED

Harmonized Building Information
Speedway for Energy-Efficient Renovation

A project deeply inspired by deep renovation

Consortium



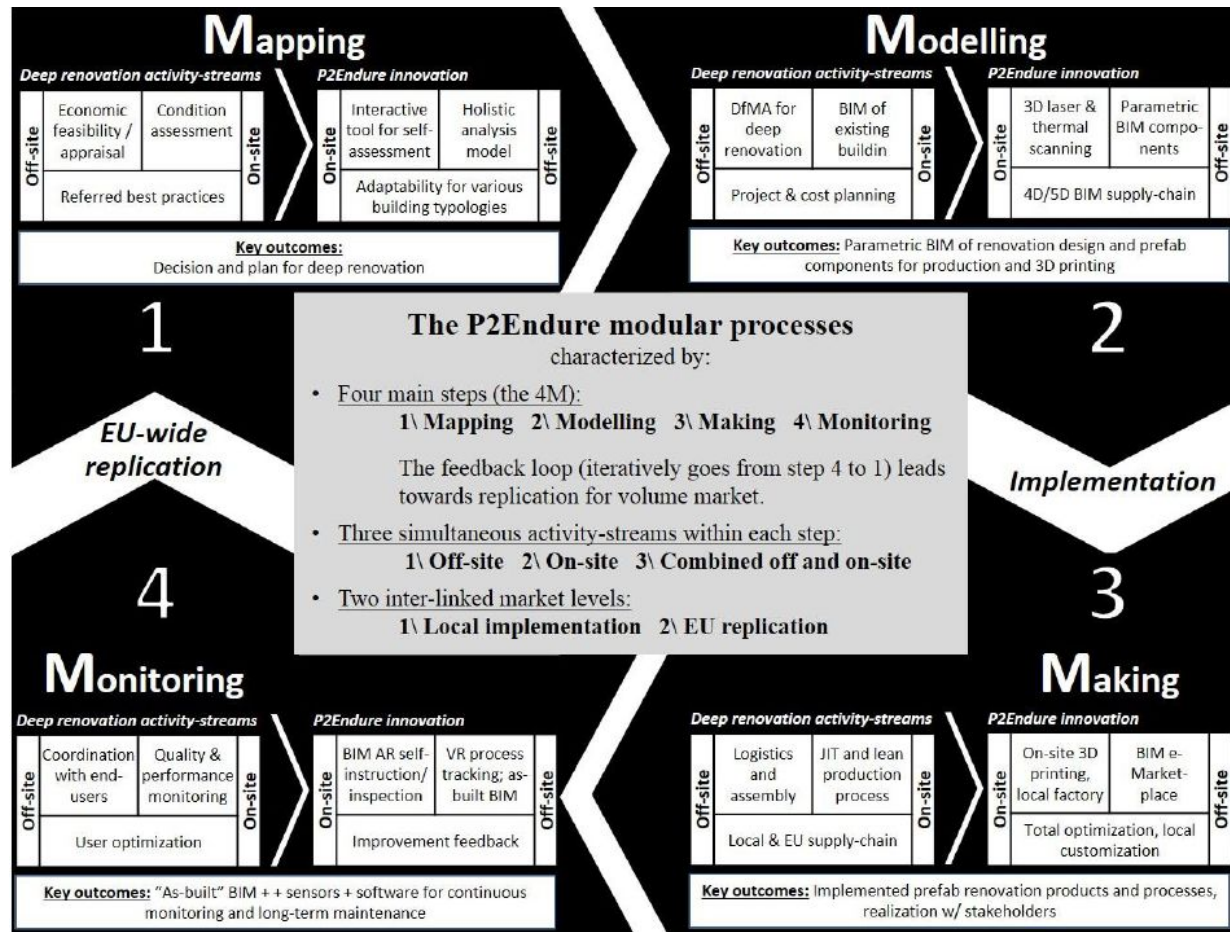
BIM- SPEED OBJECTIVES

BIM- SPEED will provide all stakeholders in the housing renovation market with holistic solutions:

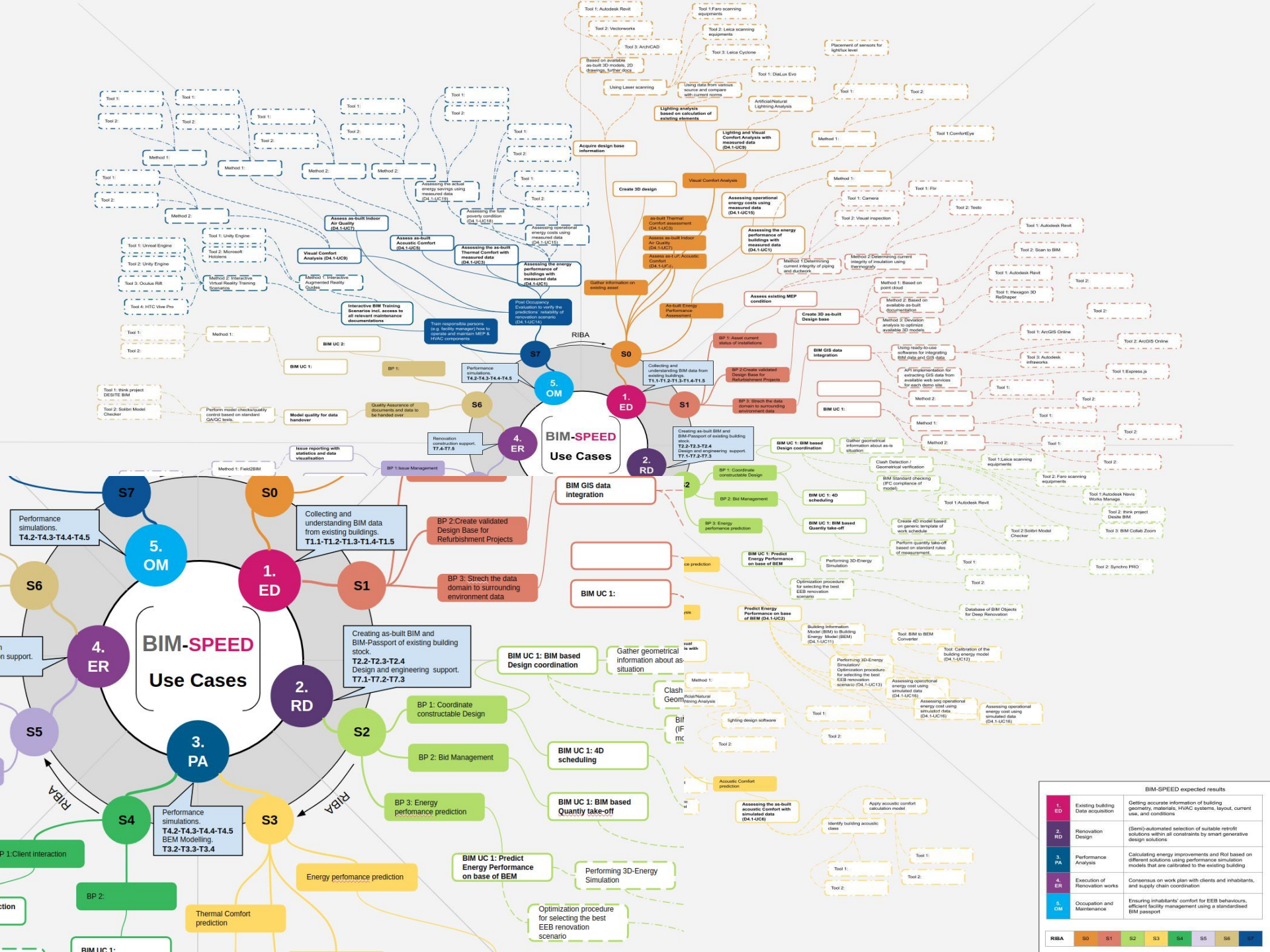
- 1. An affordable cloud-base BIM platform**
- 2. A set of inter-operable BIM tools**
- 3. Validation and standardised procedures for implementing renovation solutions with guaranteed energy performance and inhabitants' comfort**

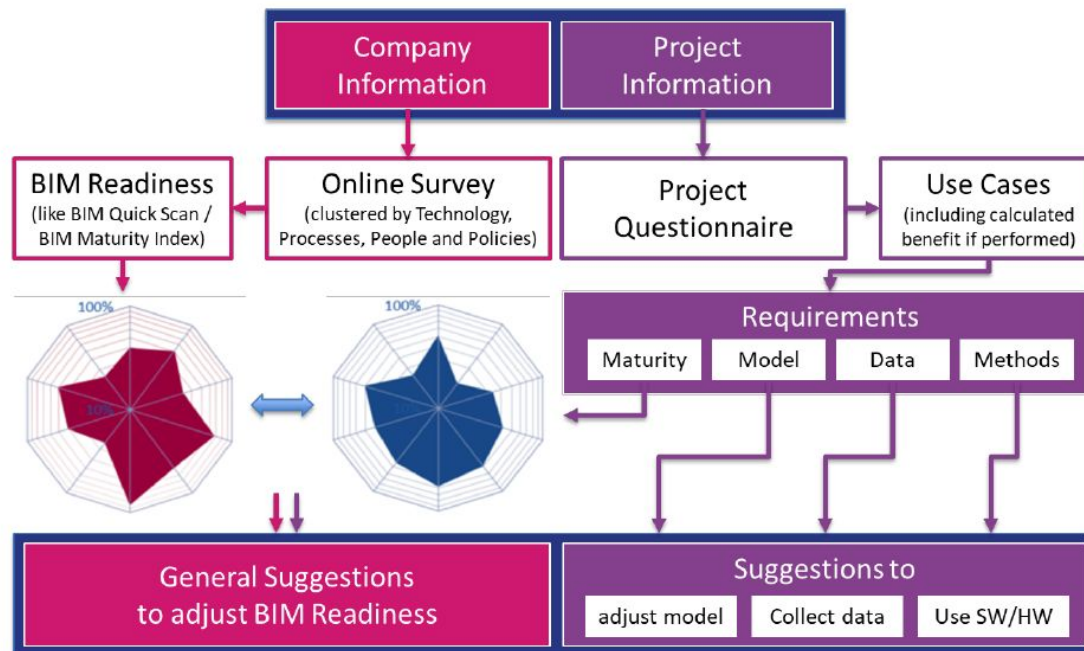


The 4M process of building renovation (D2.1 - P2Endure project; paper submitted to Engineering, Construction and Architectural Management)












































	ANTONY_FRANCE	79	
	BARLAD_ROMANIA	74	
	BERLIN_LICHTENRADE_GERMANY	7	
	BERLIN_TEMPELHOF_GERMANY	74	
	BERLIN_TUBerlin_GERMANY	76	
	FRIGENTO_ITALY 	74	
	GDYNIA_POLAND	95	
	JAZDY KONNEJ_WARSAW_POLAND	75	
	MALKO TARNOVO_BULGARIA	77	
	MASSY_FRANCE	79	


	BERLIN_LICHTENRADE_GERMANY > Variants
	Scan-Dateien
	IFC-Dateien
	Grundlagen Pläne
	20190221-Neubau (Dachvariante 2-fach Keil) (kopieren).rvt
	20190604-Ist 60(Revit 2019) (kopieren).rvt
	20190212-Aufgestockt (gedämmt mit Balkon, gleiche Dach) (kopieren).rvt
	20190219-Aufgestockt mit neuen Dach (Variante 1-fach Keil) (gedämmt) (kopieren).rvt
	ufgestockt mit neuen Dach (Variante 2-fach Keil) (gedämmt) (kopieren).rvt




KROQI service example
A "toy" service, used to illustrate the basics of implementing KROQI services.









Files naming convention tool
This service can be activated on folders in order to create and check naming conventions ...





  



Third-party services




Semantic model checker
CSTB Sophia Antipolis



Semantic model checker



 



Weather data service

<https://bimspeed.kroqi.fr/login/#/>





Reno-Inst Ontology:

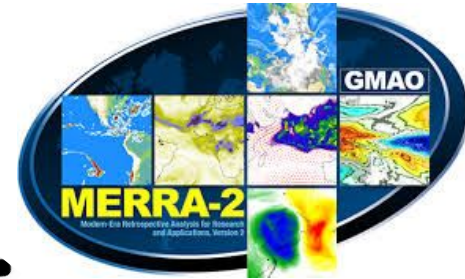
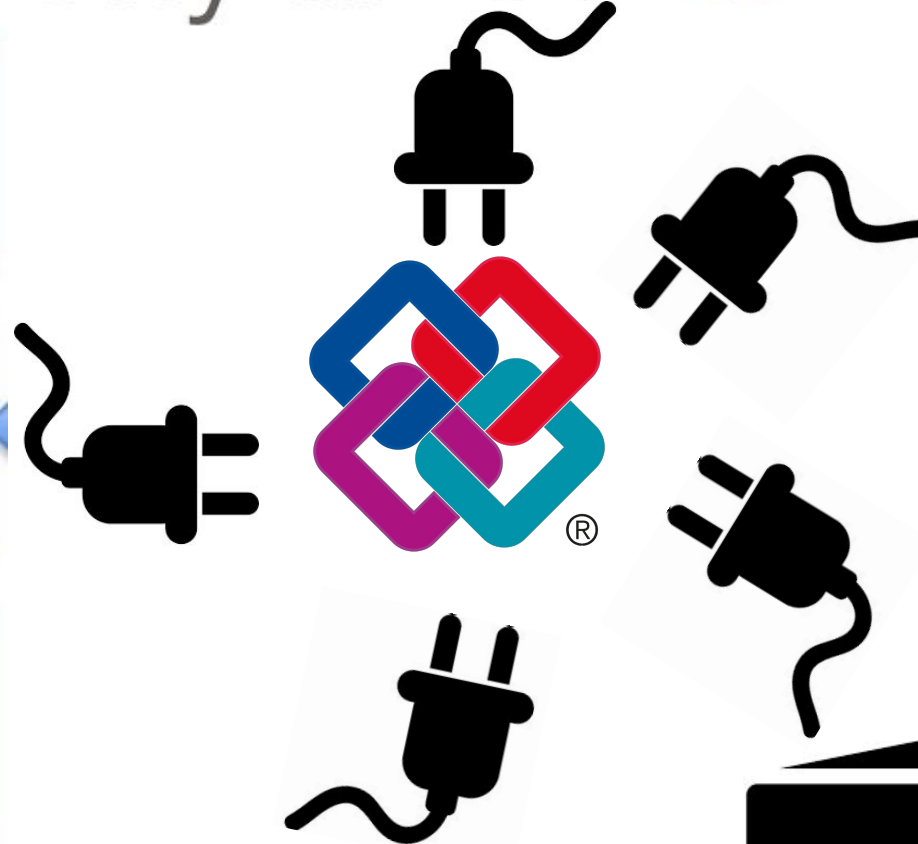
An ontology for installation of components in building renovation projects

LCA-C Ontology:

An ontology for LCA/LCC assessments in renovation projects

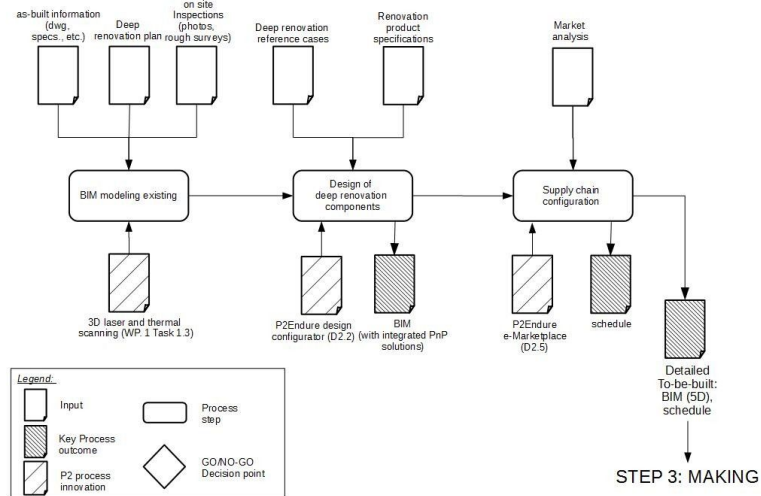
BEM-Reno Ontology:

An ontology for BEM development in renovation projects





STEP 2: MODELLING



Innovation:

P2 Endure Configurator

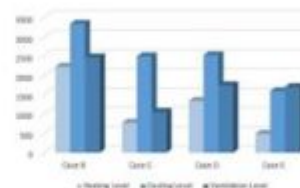
P2 Endure D 2.2 + D 2.5

Journal paper in the works

Calculated data (as is BIM and e-Marketplace products)

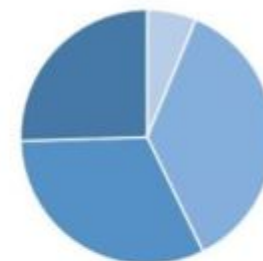
Your Project

Heating and Ventilation



Costs

Renovation Costs

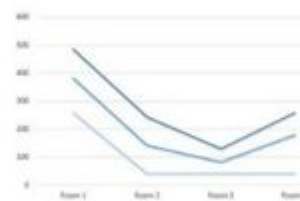
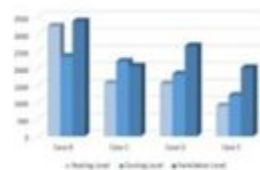


Selection

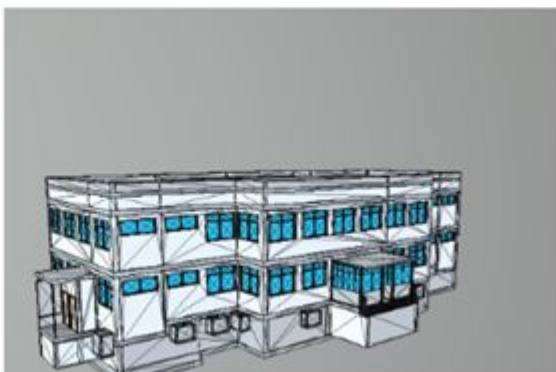
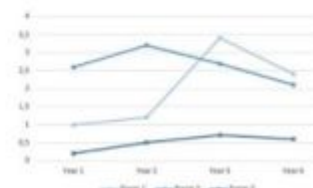
- ☒ EASEE Panel
- ☒ Smart Window
- ☒ 3D Printing

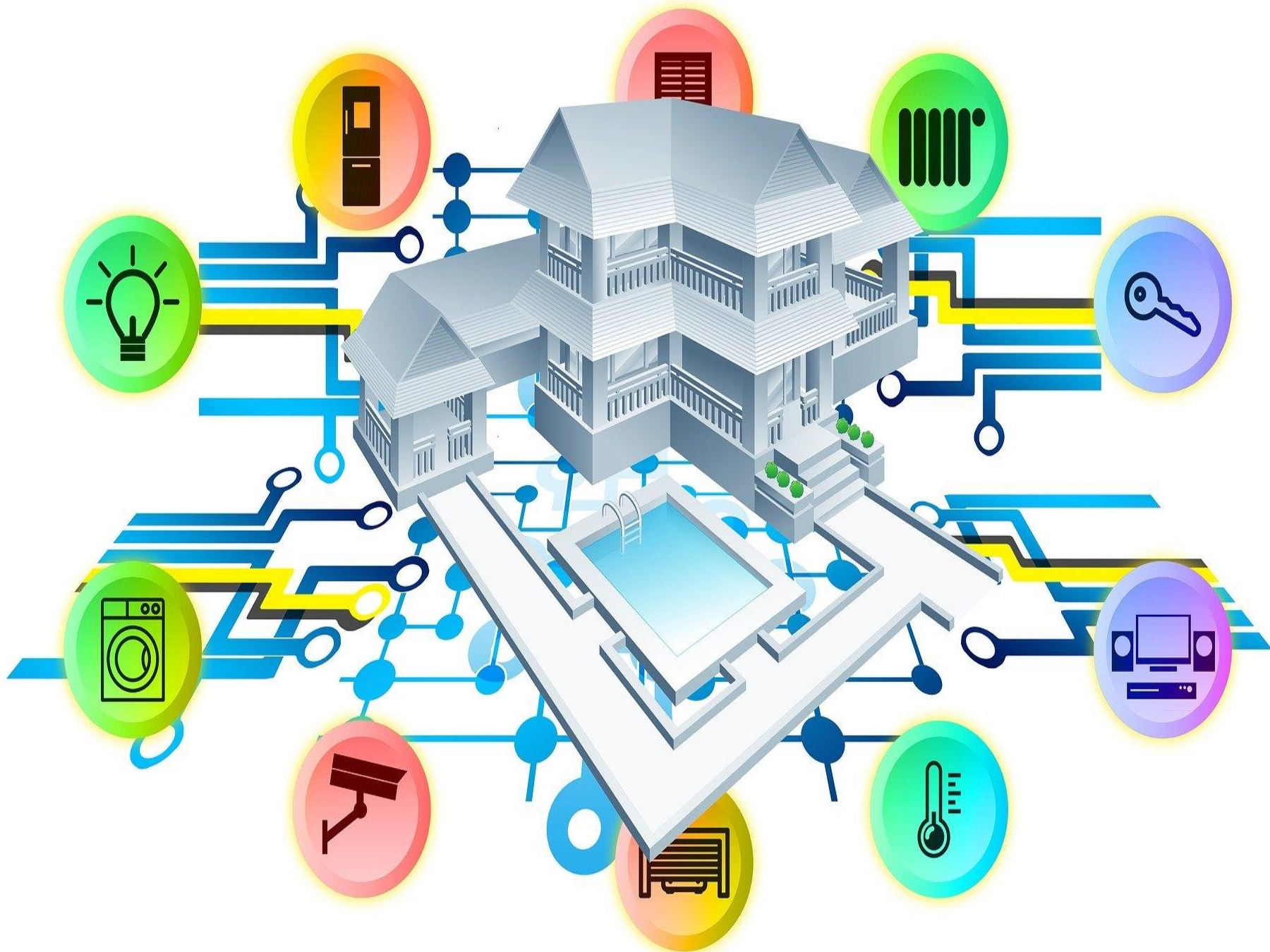
Your Project

Heating and Ventilation



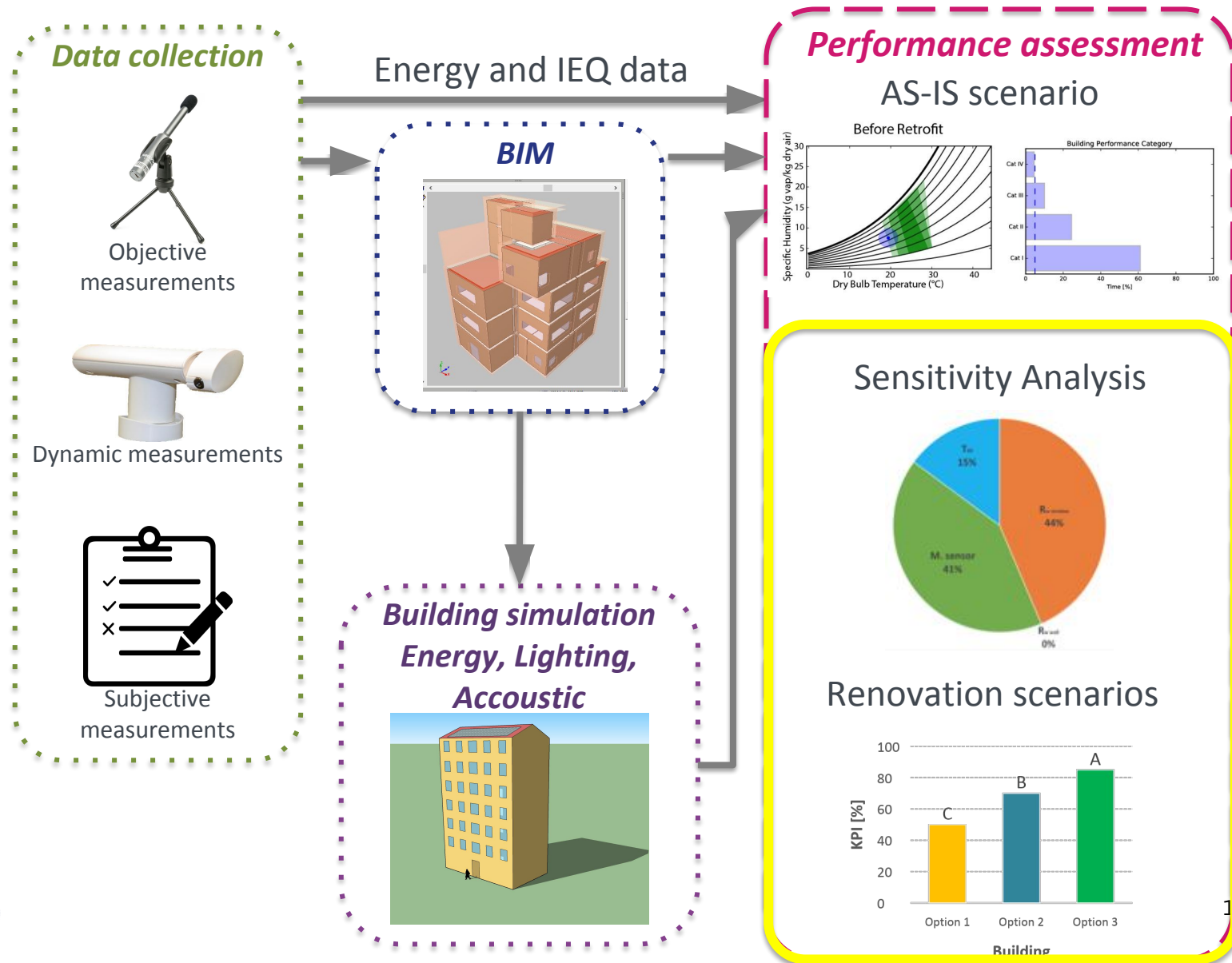
Life cycle Costs







Behavioral digital twin



2021



BIM Speed competition
We want your deep renovation project



SAVE THE DATE!
BIM-SPEED ON-LINE INDUSTRY DAY
26 November 2020,
13:00-15:00 (CET)

Are you interested in using BIM in a renovation project? Join our stakeholder community!

Download the flyer and register here!



28.10.2020

Project Pitch at Sustainable Places

TUB

<https://www.bim-speed.eu/>

A large, stylized graphic on the left side of the slide. It features a blue and purple color scheme with a glowing, wireframe-like house structure. Below the house, there is a smartphone displaying various icons (water drop, sound wave, key, etc.) and a series of colorful bars (green, yellow, red, blue). The background is filled with glowing lines and dots, suggesting a digital or networked environment.

COLOPHON



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