

# **Integrated system to design and manage residential building constructions with LCA perspective**

**Energy – Efficient Buildings (EEB)**

LC-EEB-06-2018-20: ICT enabled, sustainable and affordable residential  
building construction, design to end of life (IA)

## Thematic brokerage workshops

EU Brokerage Event on Kets in Horizon 2020

Strasbourg, 17th October 2017

# ITeC –The Catalonia Institute of Construction Technology- is a non profit private foundation at the service of society working in the field of the construction sector improve the competitiveness of the sector agents.



- Standard **BIM** elements
- Regulation** research.
- Research of new building **materials**
- Research of building **circularity**
- Research of **nZEB**
- Methodologies** to designs, build and manage buildings, LCA perspective
- Research about new **integrated tools** in construction processes
- Research of building **monitoring**
- Market** research.

- Training of **environmental** certification such as Breeam and others
- Training about advance **tools** to design and manage construction
- ...

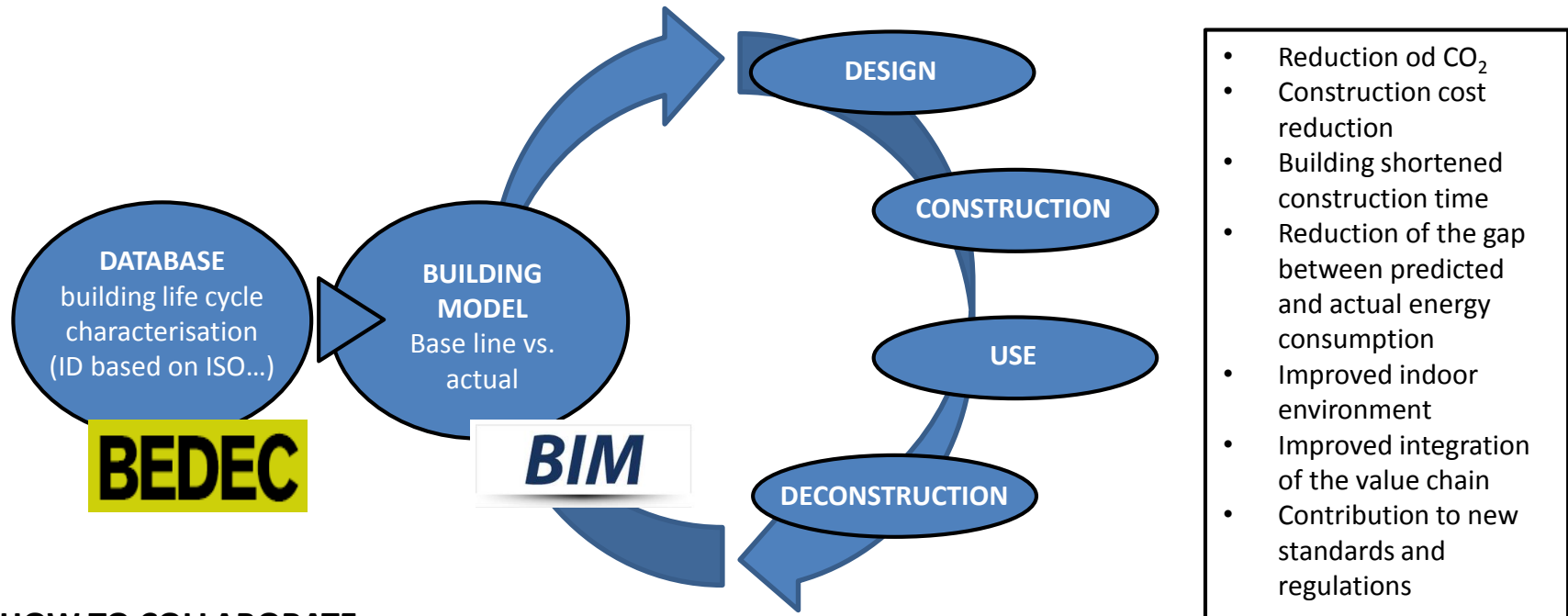
- Technological **orientation** to product development
- Product **certification** (technical and environmental)
- Building **certification**
- Certification** for installers
- Database** of construction products with BIM and embedded information
- Software** to design, build and operate buildings
- Advise** in construction regulation to architects, engineers
- Market** studies in the construction field
- Fundraising** processes of R&D projects

**European expertise:**

- Life
- H2020
- Homeskin.net (managing)
- 5 European projects submitted in 2017



**System which facilitates to manage the construction process – documentation-, provide impacts –environmental, economic, technical features, brands- and recommendations in any phase of the life cycle.**



**HOW TO COLLABORATE:**

- ITeC provides the methodology and the network of stakeholders –ITeC has a huge representation in the whole value chain-. The partner searched has to provide: technology to monitoring; the demonstratives in other European countries; and lead the project.

**Known partners / Competence offer**

<b>Name</b>	<b>Type</b>	<b>Country</b>	<b>Role in the project</b>
ITeC		Spain	Methodology
Catalan public authority		Spain	Demonstratives in Catalonia

**Partner search**

<b>Profile</b>	<b>Type</b>	<b>Country</b>	<b>Role in the project</b>
Owner –public, private-		Europe	Demonstratives
SME		Europe	Technology provider

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#### OTHER TOPICS OF OUR INTEREST:

- LC-EEB-01-2019: Integration of energy smart materials in non-residential buildings (IA)
- LC-EEB-02-2018: Building information modelling adapted to efficient renovation (RIA)
- LC-EEB-03-2019: New developments in plus energy houses (IA)
- LC-EEB-04-2020: Industrialization of building envelope for the renovation market (IA)
- LC-EEB-05-2019-20: Integrated storage systems for residential buildings (IA)
- LC-EEB-06-2018-20: ICT enabled, sustainable and affordable residential building construction, design to end of life (IA 50%)