IBPSA Project 1

BIM/GIS and Modelica Framework for building and community energy system design and operation

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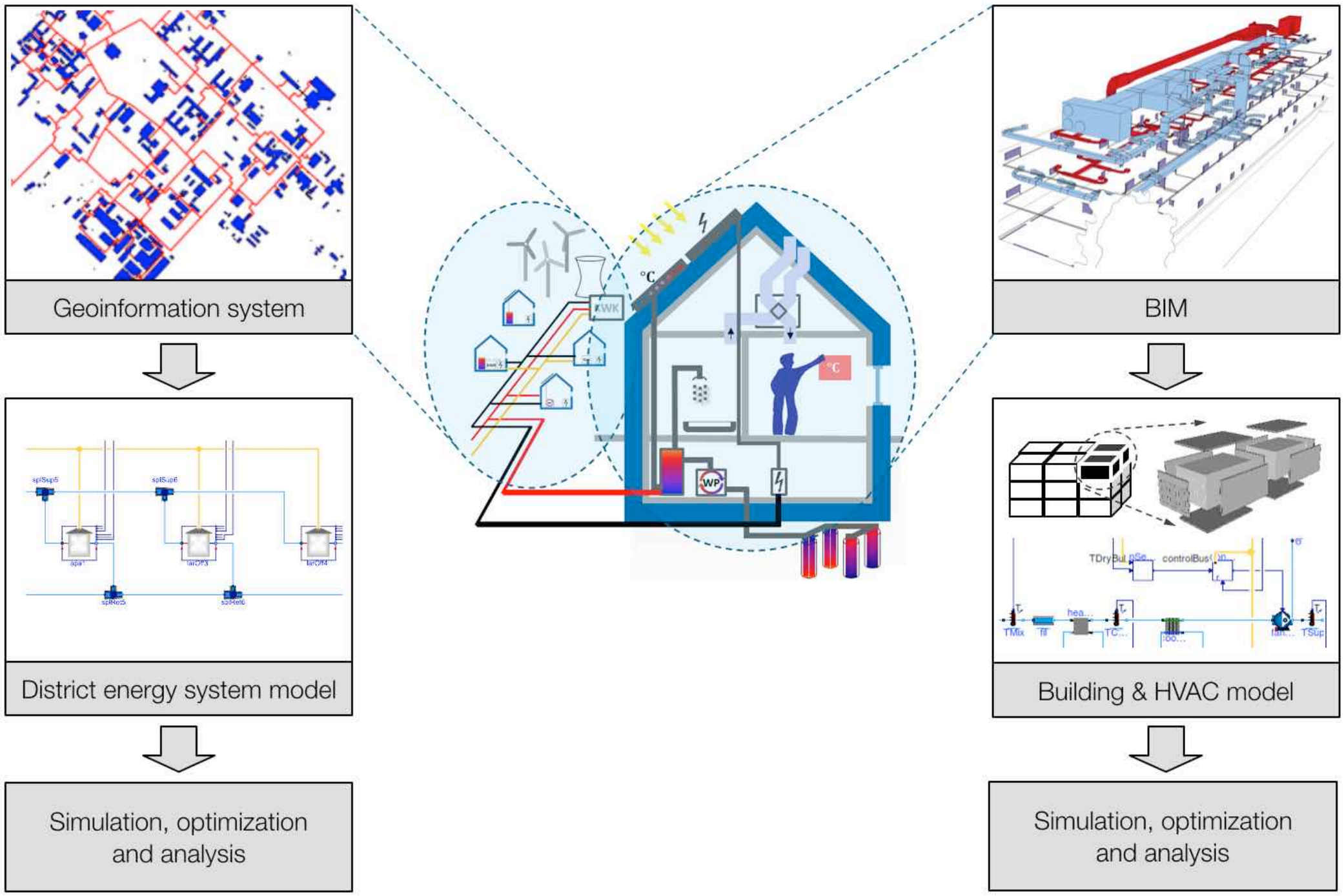
May 7, 2021

The vision of IBPSA Project 1 is to create open-source software that builds the basis of next generation computing tools for the buildings industry



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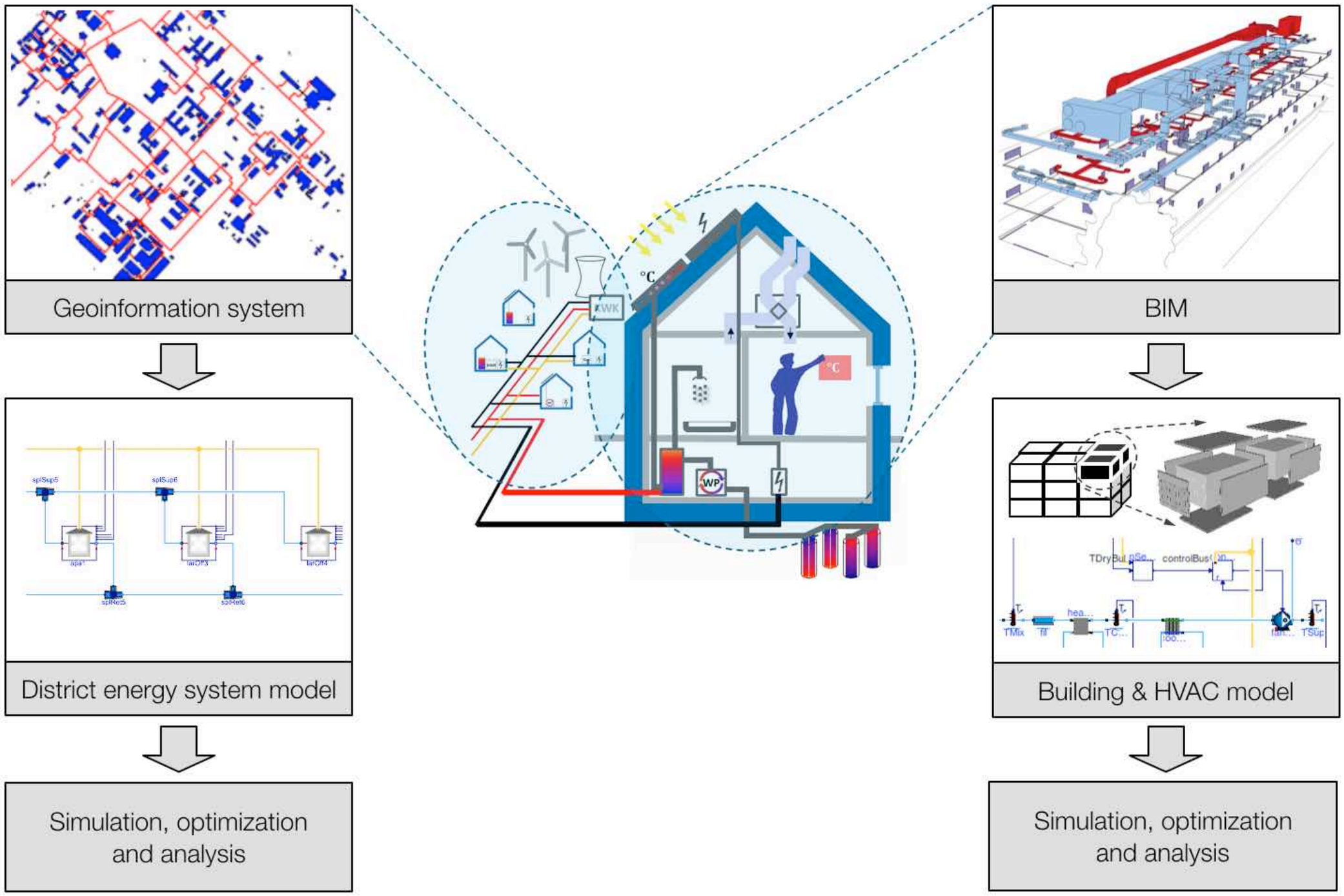


Levels of participation

Sponsoring participant

- Cash $5k per year. Thanks to
  - ENGIE Lab

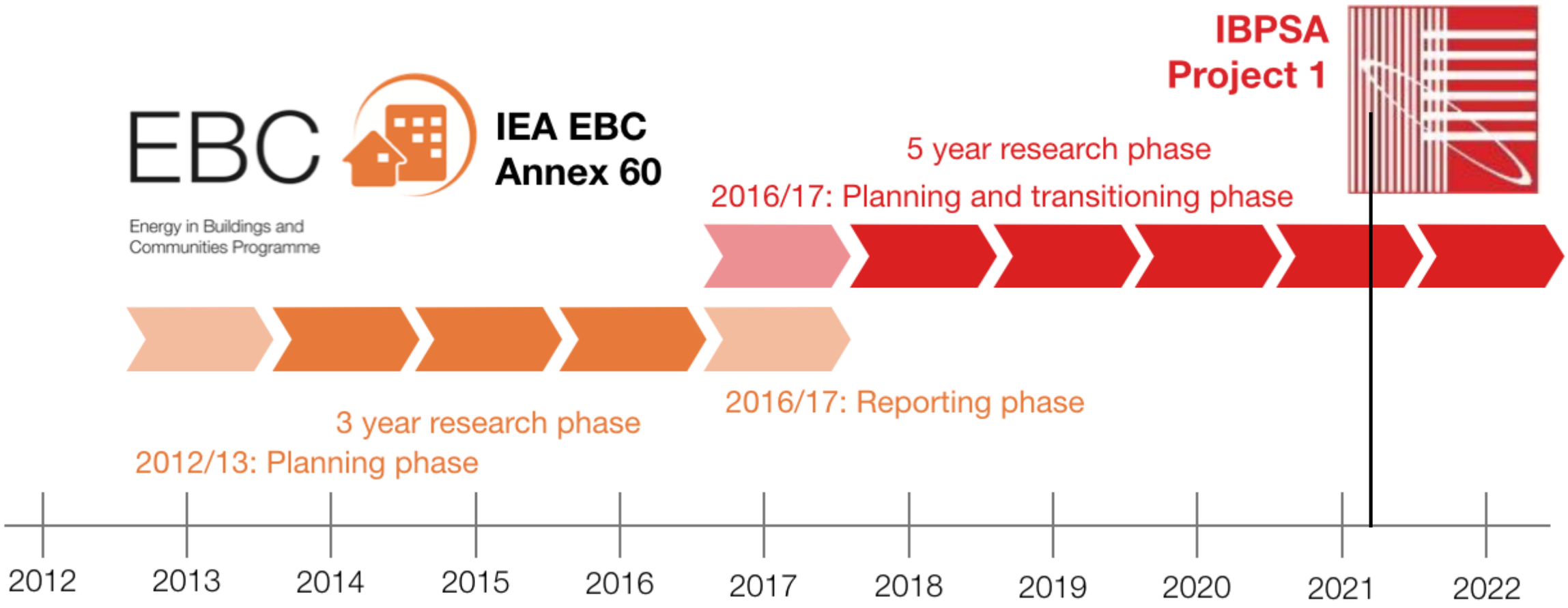
Organizational participants

- minimum 0.5 full time employee per year, over the 5 year project
- contribute to 5 to 10 web-based coordination meetings annually
- attend semi-annual expert meeting, generally lasting 2 days

Individual participants

- no predetermined level of commitment, but needs to provide substantial contributions

Timeline


EBC
Energy in Buildings and Communities Programme
IEA EBC Annex 60
IBPSA Project 1
5 year research phase
2016/17: Planning and transitioning phase
2016/17: Reporting phase
3 year research phase
2012/13: Planning phase
2012
2013
2014
2015
2016
2017
2018
2019
2020
2021
2022

Agenda

Day 1

7:00 Brief overview and logistics (Michael Wetter, Christoph van Treeck, Avichal Malhotra)

Zoom setup, breakout rooms, participant names.

7:20 *Presentations from activities, recent work and overview of this meetings breakout groups* (each 10 min plus 5 questions, 5 min buffer)

8:55 Project 1 publications

9:00 Break

9:10 Breakout groups 1

10:00 Short break and switch to next breakout groups

10:05 Breakout groups 2

11:00 Breakout groups adjourn

Day 2

7:00 Organization of the day (Michael Wetter and Christoph van Treeck)

7:10 Panel discussion about needs for increased adoption of Modelica by buildings community, in particular design firms

9:00 Short break and switch to next breakout groups

9:05 Breakout groups 3

9:50 Break and switch to main meeting

10:00 Brief report from breakout groups, and next steps (5 min each, 40 min total includes 10 min buffer)

10:40 Planning of next expert meeting

10:45 Feedback and next steps

11:00 Adjourn