



IBPSA Project 1

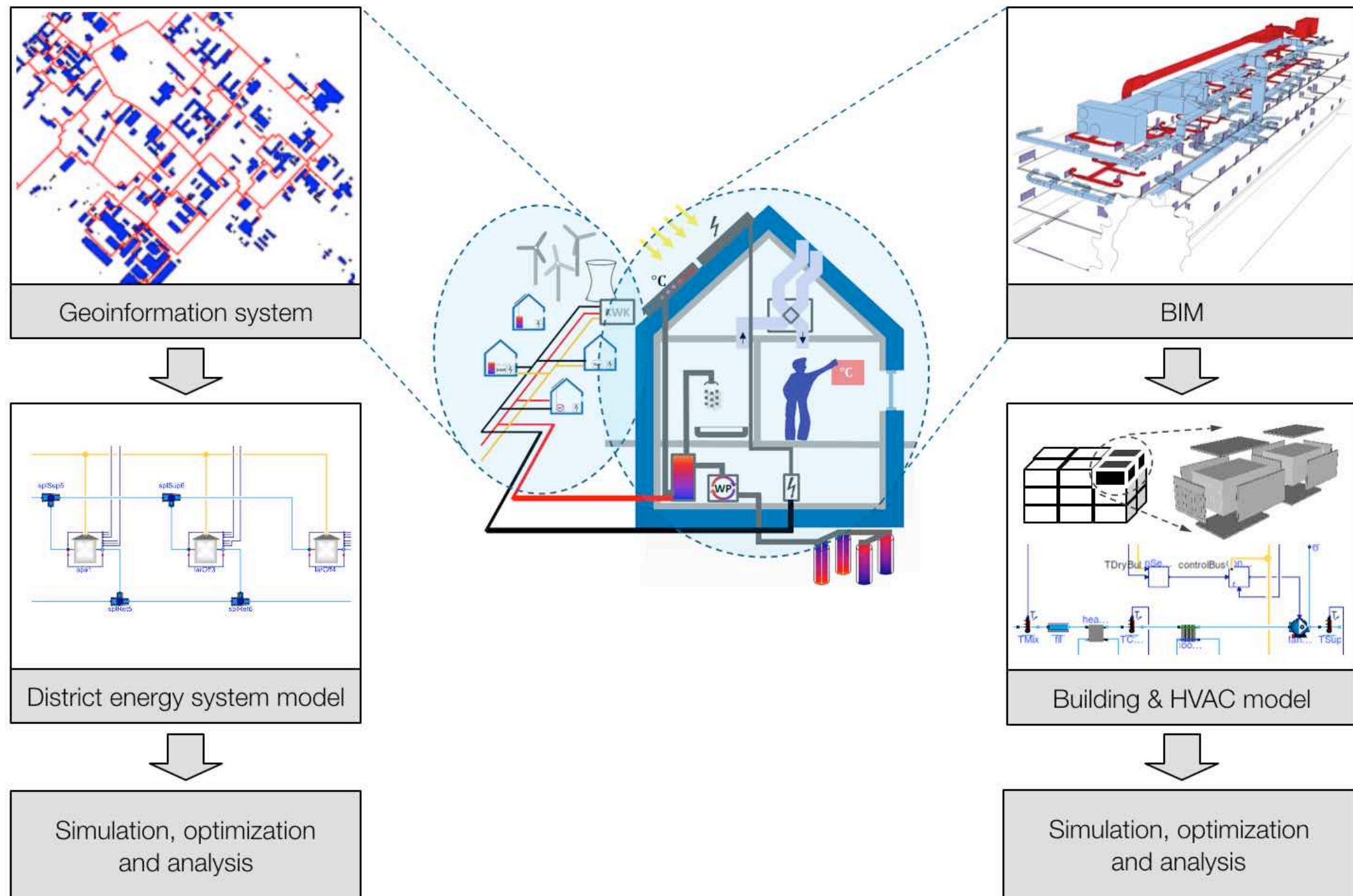
BIM/GIS and Modelica Framework
for
building and community energy system
design and operation

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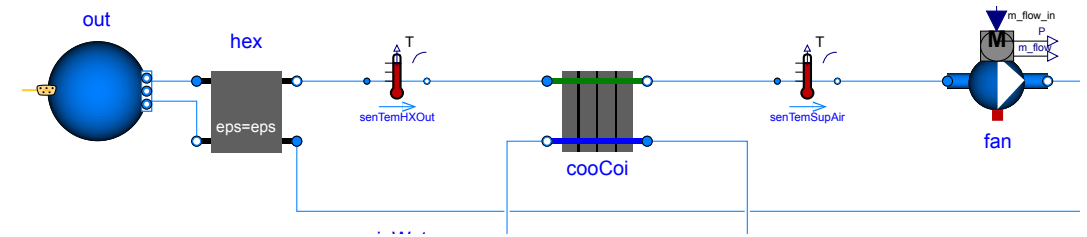
The vision of IBPSA Project 1 is to create open-source software that builds the basis of next generation computing tools for the buildings industry



Structure

Task 1: Modelica libraries for building and community energy systems

- WP 1.1: Library for design and operation
- WP 1.2: Model Predictive Control



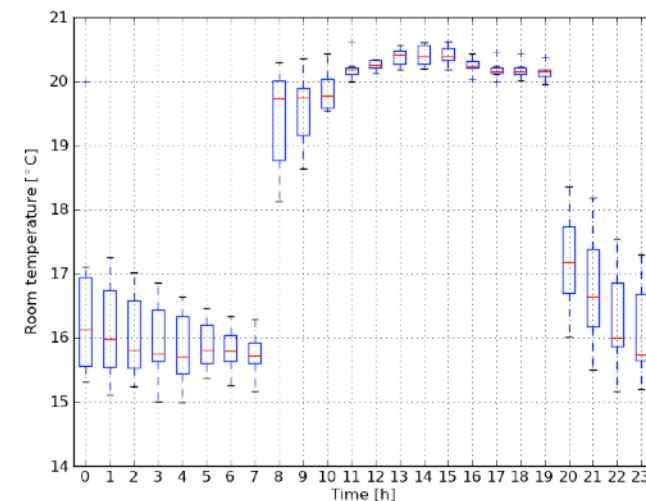
Task 2: Building and City Quarter Models

- WP 2.1: City Quarter Information Modeling
- WP 2.2: Building Information Modeling



Task 3: Application and Dissemination

- WP 3.1: Application & Validation (DESTEST)
- WP 3.2: Dissemination



Levels of participation

Sponsoring participant

- Cash \$5k per year. Thanks to
 - Mitsubishi Electric Research Laboratories and
 - 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

Intellectual property

IBPSA is the copyright and license holder.

All workshops, software and documentation will be open accessible to anyone.

Modelica models and other code will use the open-source BSD 3-Clause License.

Timeline

