

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

Task 3

Michael Wetter, LBNL, Berkeley, CA

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Lawrence Berkeley National Laboratory

RWTHAACHEN
UNIVERSITY

Task 3: Application and Dissemination

WP 3.1 Application

The objective of this task is to **demonstrate** through applications capabilities that are enabled through Modelica, and to identify and test through applications research needs and research results. The approach is to share best approaches and document them for dissemination to the community.

This task will also include the development of a **validation test for district energy models** that started in IEA EBC Annex 60.

The outcomes are a collection of case studies that demonstrates capabilities enabled by use of Modelica for building and district energy system design and operation, and a validation test procedure for district energy system models.

The deliverables are **case study reports** and a **test procedure** for district energy system model validation.

WP 3.2 Dissemination

The objective of this task is to disseminate the developed tools and methodologies. The approach is to publish papers in the peer-reviewed literature, to host special tracks or sessions at local and international conferences, such as the IBPSA, Modelica and ASHRAE conferences, and to share material for use in lectures and in training for users and developers.

The deliverables are **papers** and **presentations** about the various work that resulted from this project.