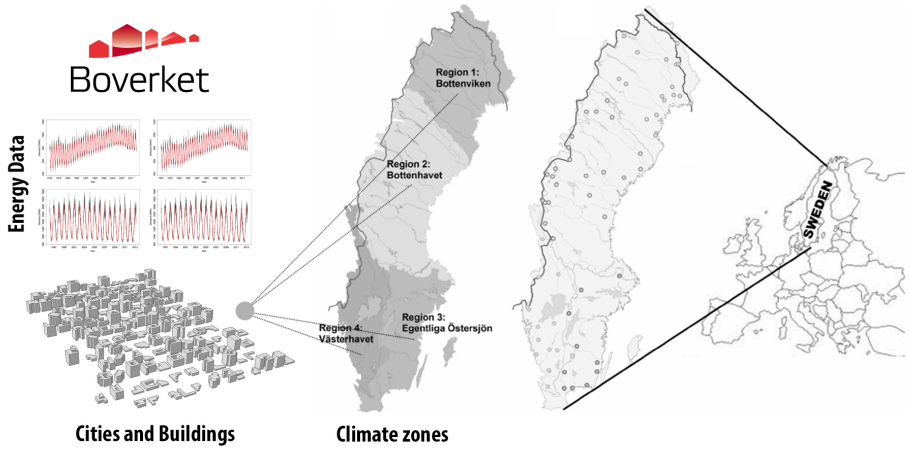
DEPARTMENT OF ARCHITECTURE AND
CIVIL ENGINEERING
Chalmers University of Technology

CHALMERS
UNIVERSITY OF TECHNOLOGY

Kandidatarbete
Examenskod



Building Energy Simulations and Climate Conditions: Challenges and Solutions

Having energy efficient building design is very important and highly dependent on climate conditions.

Boverket is the organization that sets buildings codes in Sweden, where buildings codes have slight differences for the four climate zones in the country. This project is about gathering the data sources (not codes and standards) that Boverket shares about buildings in Sweden, their design/construction and energy performance. A big source is called BETSI, which the most recent source should be considered in this project as well as all the other relevant sources. Based on the data sources, a framework/platform should be designed to manage the data and prepare them for energy simulations. The application of the framework should be verified for one city in each climate zone.

Target group of students
Civil Engineering

Group size
3-4

Special requirements
- Good knowledge of building energy simulation process.

Suggestion from
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