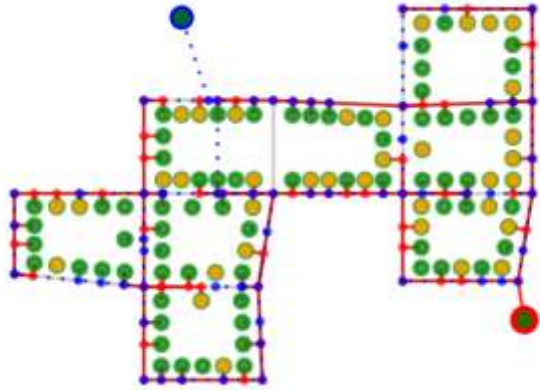




TEASER

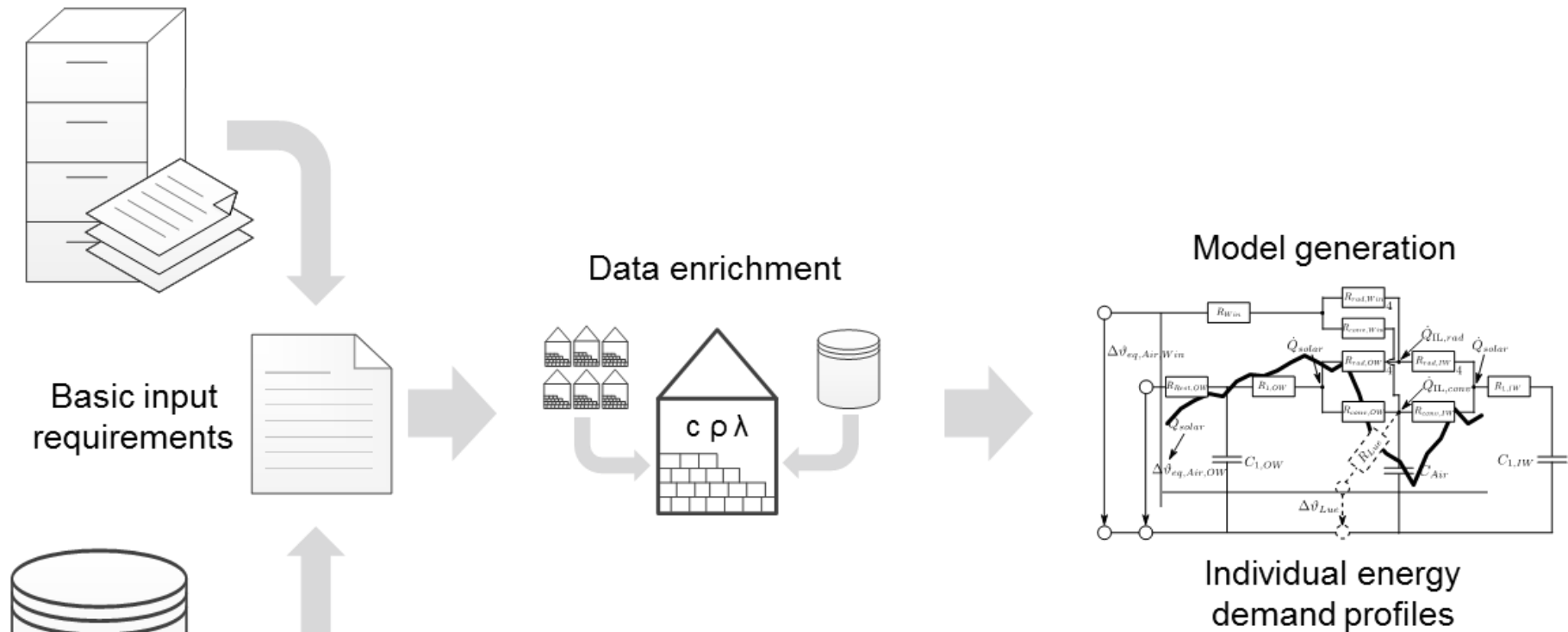
Tool for Energy Analysis and Simulation
for Efficient Retrofit



TEASER / TEASER Web App / vDistrict

Archetypes / User Friendly / Database Concepts

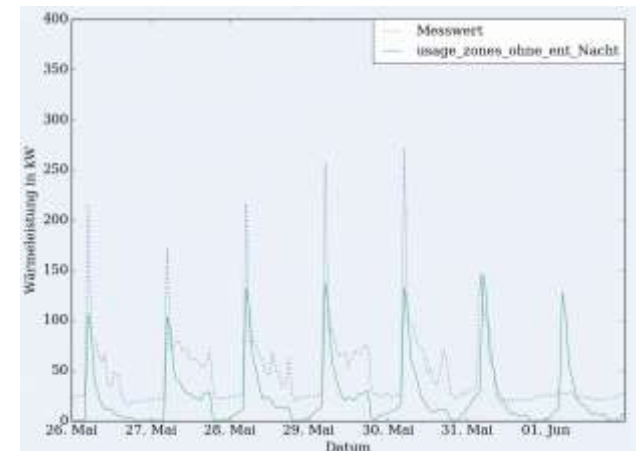
TEASER - Automated Workflow for BPS



TEASER - Automated Workflow for BPS


■ Roadmap for TEASER (without any specific order):

- ≡ More TABULA based archetype buildings (e.g. Sweden, ...)
- ≡ Integration of VDI 6007 Calculation Core in Python
- ≡ Support of IBPSA Core Libraries / Test Version up-to-dateness
- ≡ Building wise verification / autotuned models



TEASER Web App

■ <https://teaser.eonerc.rwth-aachen.de>

 TEASER Web App

[About](#) [Login](#) [Contact](#)

Warning! This is an early stage of TEASER Online development

Please read our [Disclaimer](#). If you are using the TEASER web app we'll assume that you read the [disclaimer](#) and are approving the use of cookies.

Need a building model or heat demand profile? Take one!

TEASER helps building engineers and researchers to quickly generate dynamic building models and heat demand profiles. You can try the TEASER Web App below or click here to [Learn More](#)

Parameterization

Enter your Building Information

Choose your building usage type*

Terraced house

Terraced house according to the german section of TABULA. For more information please use the [Tabula webtool](#)

Your year of construction*

1978

Your number of floors*

2

Your net leased area*

150

Your height of floors*

2.3

Your name of the Building*

IBPSAProjectOne

Your methodology*

Tabula DE

Tabula (Typology Approach for Building Stock Energy Assessment) residential building typologies have been developed in the IEE Project

Create Building

You just created a simulation model with:

Methodology	Type	Year	Area	Nr. Floors	Height of Floors	Name
tabula_de	terraced_house	1978	150	2	2.3	IBPSAProjectOne

Results

How would you like your results?

Modelica Model:

☒ AxlIB-Model

☒ IBPSA-AxlIB-Model

☒ IBPSA-Buildings-Model

☒ IBPSA-BuildingsSystems-Model

☒ IBPSA-IDEAS-Model

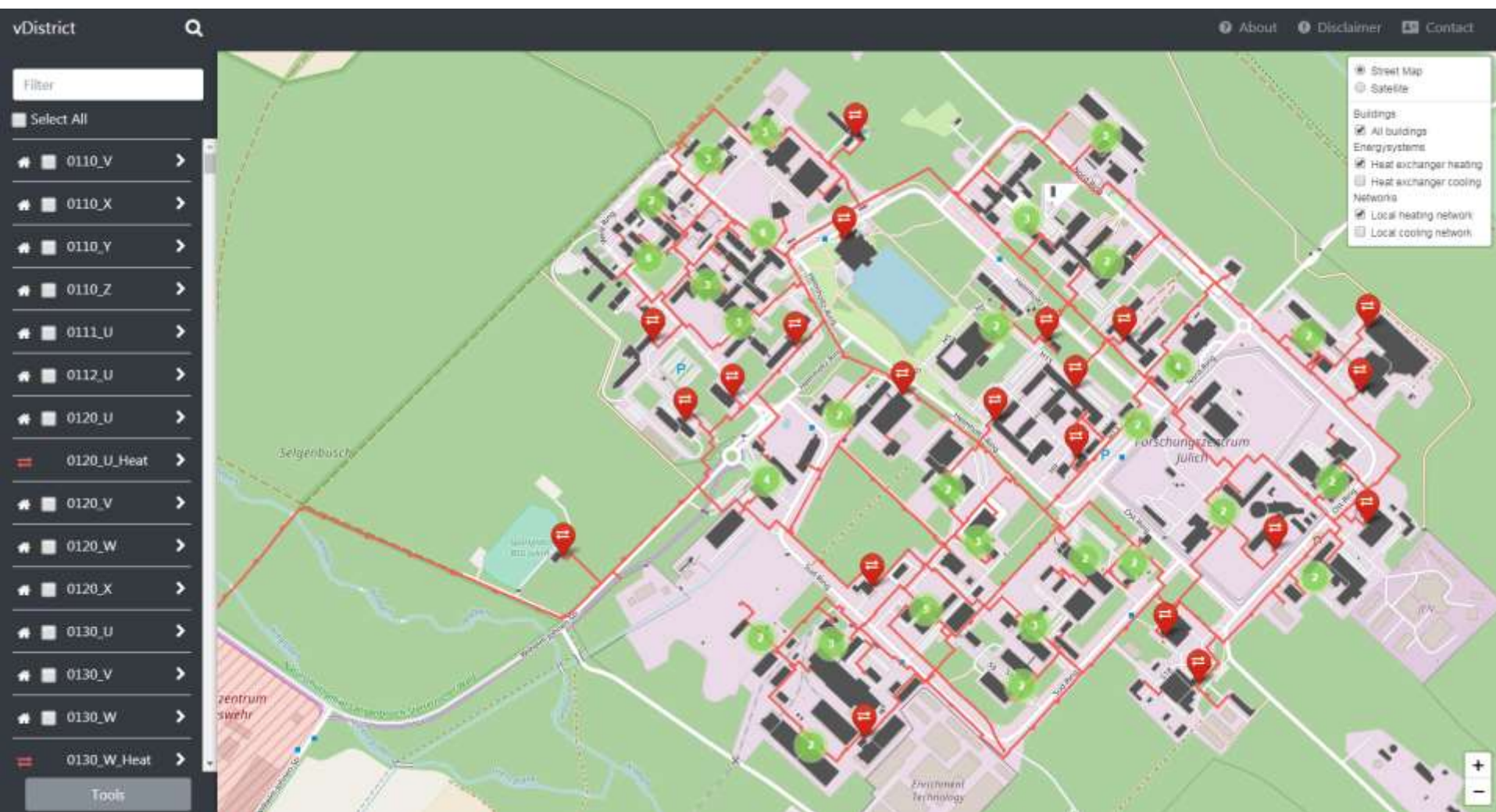
Other options:

☒ Download TEASER Project File?

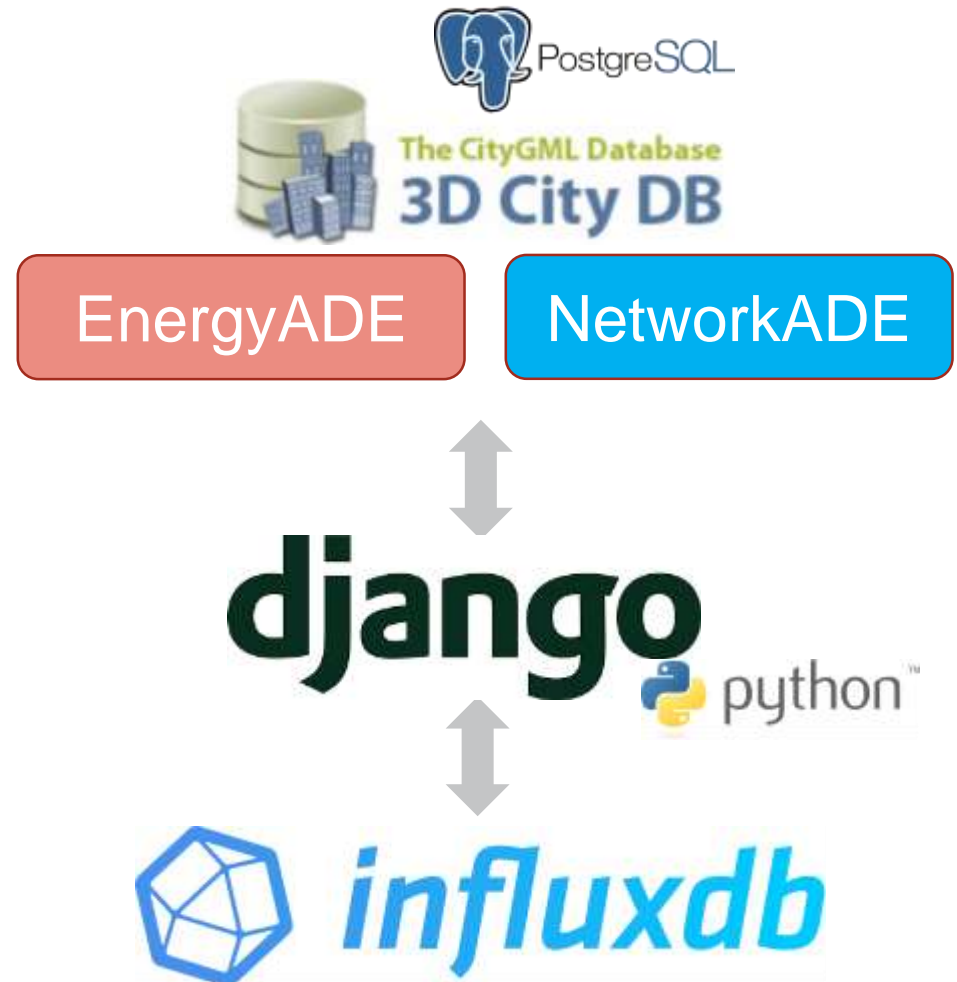
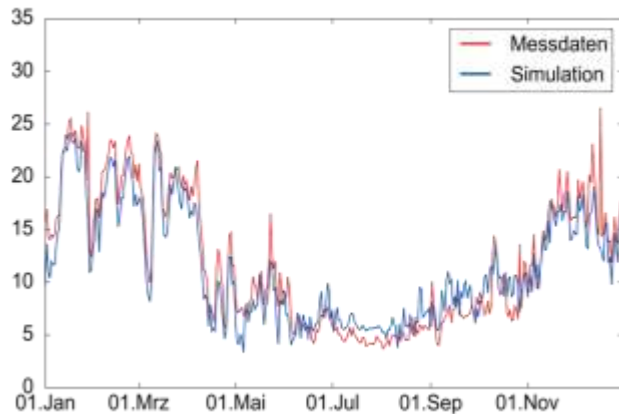
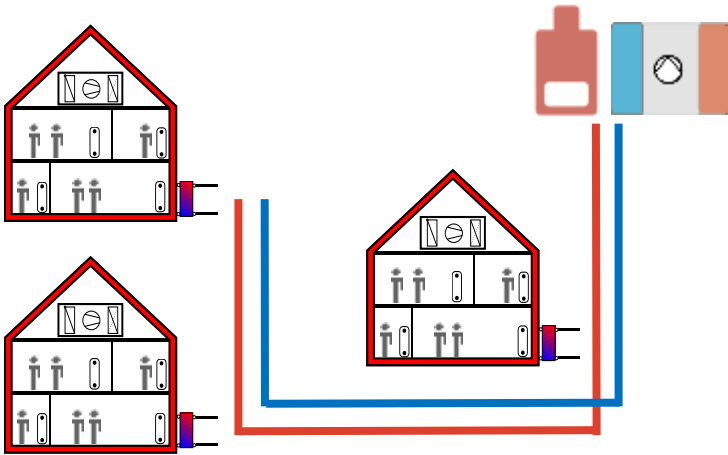
☐ Simulate Model Online?

Download

vDistrict



Database Concept



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vDistrict

django-citydb



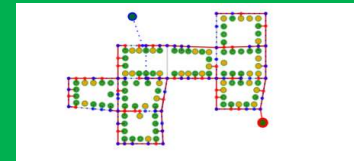
- Definition of 3DCityDB Schemas
- Including ADEs
- Connection to InfluxDB
- Frontend

django-teaser



- Definition of TEASER specific attributes
- Creation of models
- Automated Simulation
- Import

django-uesmodels



- Automated generation of dhc simulation networks