

Project Goals

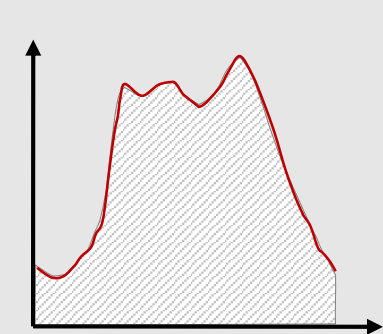
- Determination of the regional distribution and the temporal **profile of future energy demand**
- Development of models to **map electricity, gas and heat consumption** of various economic sectors



Background

- The screening of energy systems in the light of **energy transition** requires temporal and geographical models of high resolution
- The project **closes a relevant research gap on the demand side** which affects the analysis of energy systems

Project Results

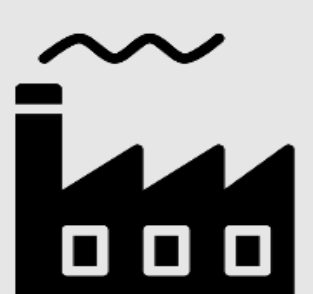


Regionalized and synthesized electricity, gas and heat load profiles



Scenario-based energy consumption forecasts for end energy sources

We cooperate with...



Industry



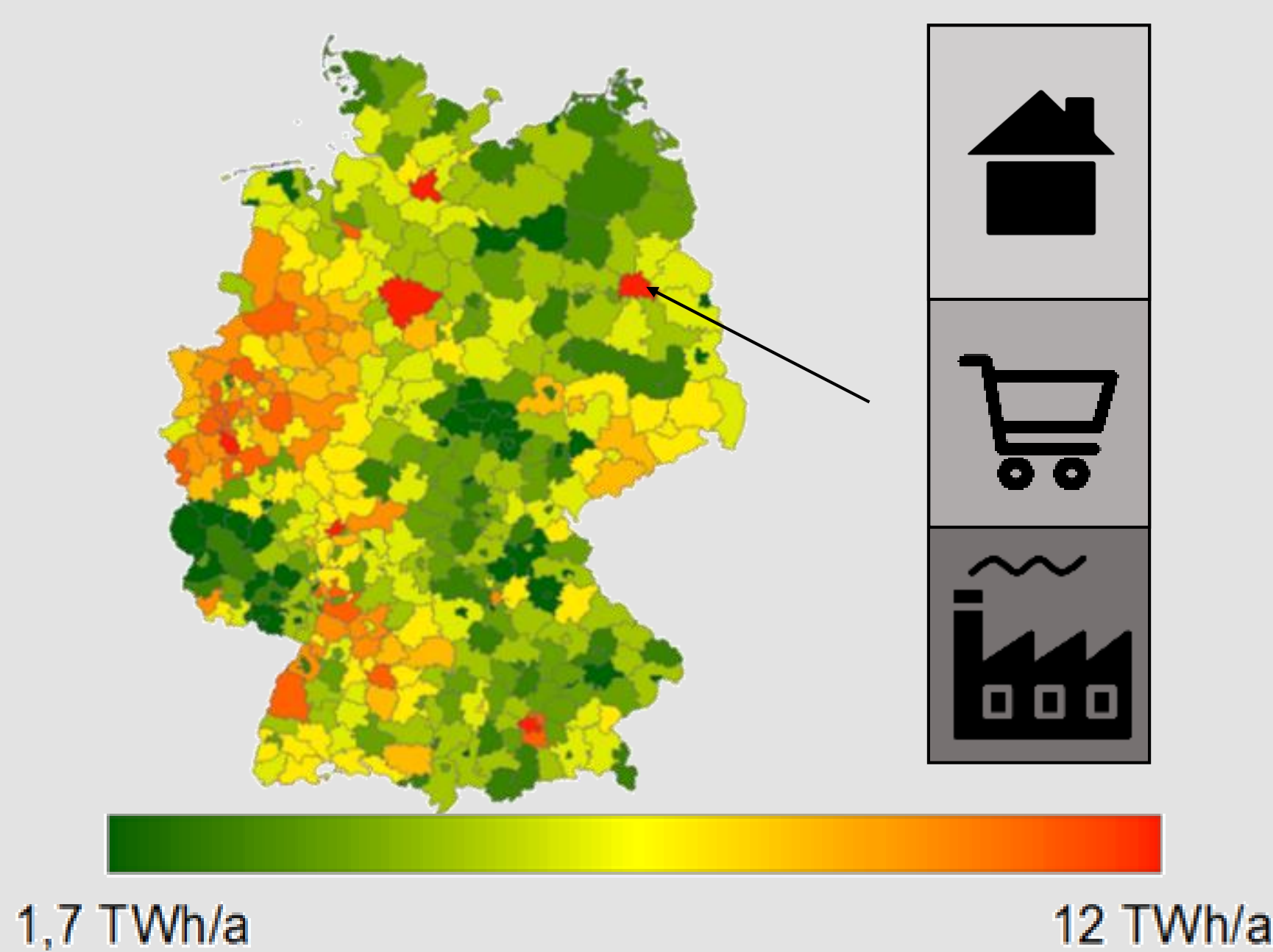
Commerce, Trade, and Services



Utilities and DSOs

1 Regional Distribution

- Analysis of regional structures
- Identification of essential energy demand drivers (DD)



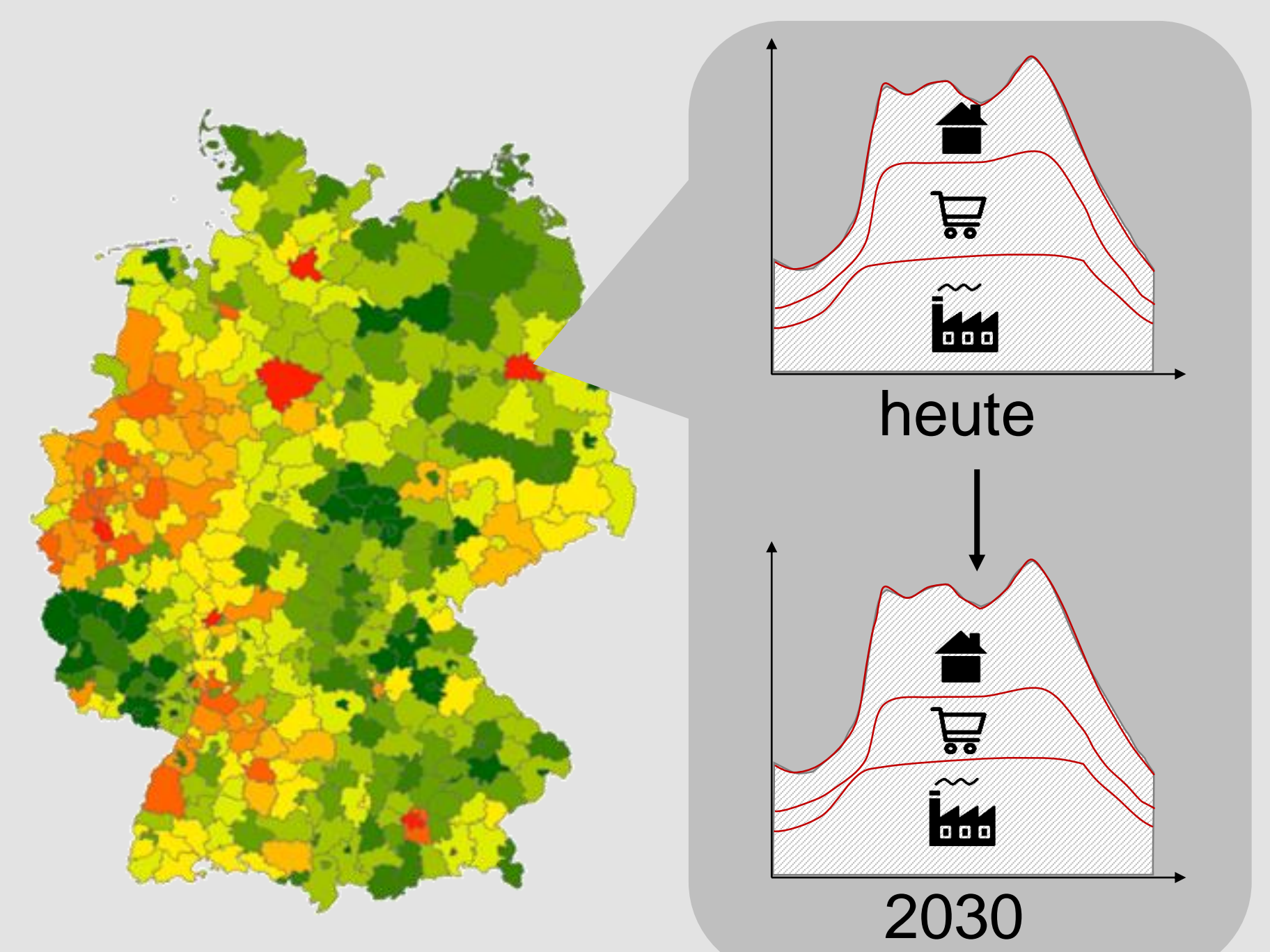
2 Temporal Resolution

- Assessment of load profiles and annual consumption
- Generating sector specific synthesized load profiles



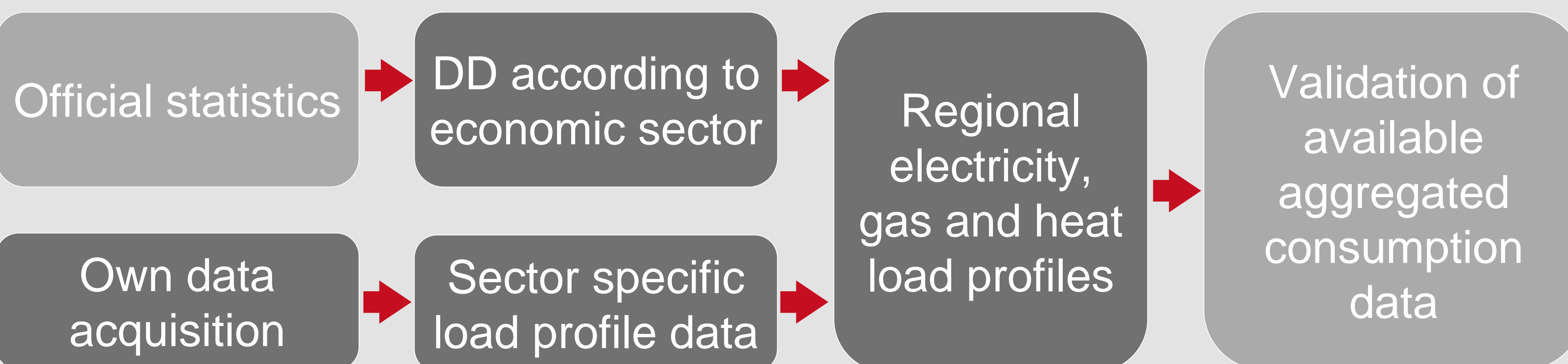
3 Forecast Model

- Composition of results
- Forecasting high-resolution regional and temporal energy demand



Methods

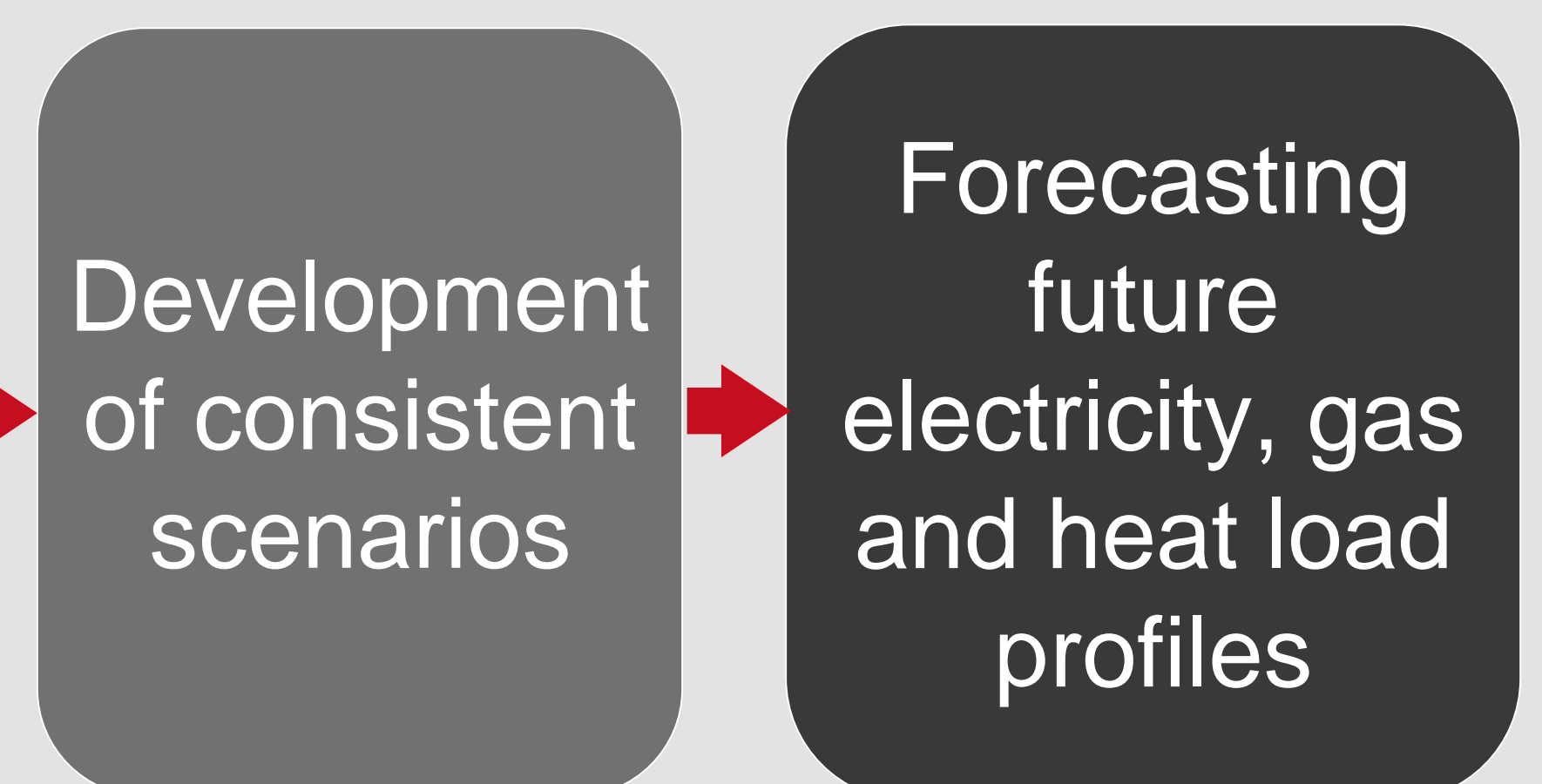
Modelling regional electricity, gas and heat load profiles



Data Basis

Interim Results

Projection



Results

Consortium

Contact