

ANALYSIS OF REGIONAL ELECTRICITY DEMAND

Being able to develop successful design strategies for a green energy sector requires a detailed grasp of regional electricity demand. In this context, it is essential for electricity suppliers and the public sector to understand local aspects. Interesting questions concern topics like the better integration of decentralized generation and demand structures, capacity utilization of the power grids or the interaction between load demand and a regional increase in the share of renewable energies. The foundation for a high resolution analysis of regional electricity demand is the detailed consideration of economic, technological and energy policy framework conditions.



WHAT WE DO

The bottom-up model FORECAST enables customer-specific studies to be made of energy demand using scenario analyses. It considers factors with a short-term influence like the weather and the current economic situation as well as those with a more long-term influence like socioeconomic trends, technology change and energy efficiency policies.

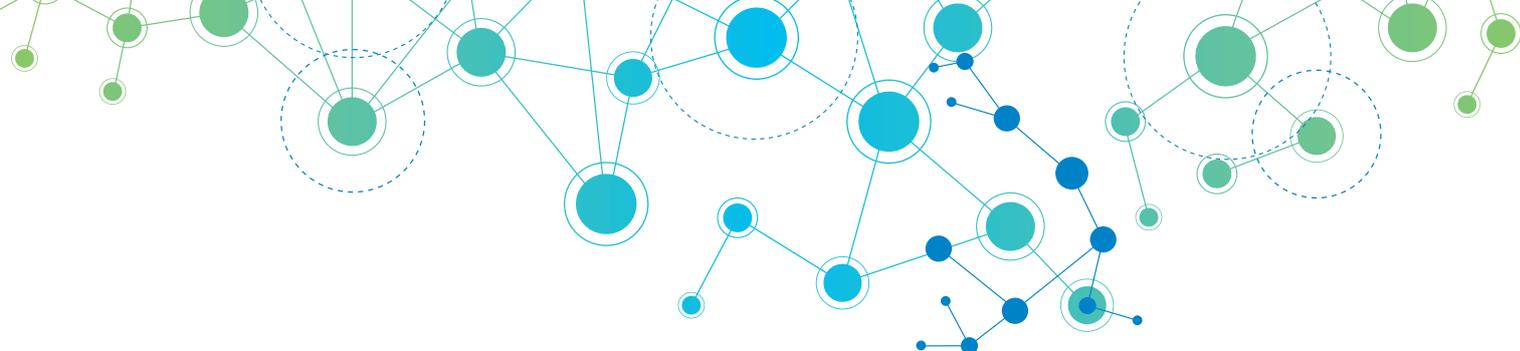
Following the in-depth analysis of the power demand of entire countries our FORECAST model enables a granular examination of regional electricity demand with high spatial resolution. The model has already been applied in several studies and research projects to explore long-term trends of electricity demand.

Besides analyzing the current electricity demand at different spatial levels (e.g. federal states, regions or local communities), the model facilitates a detailed grasp of demand developments in individual applications.



OUR SERVICES

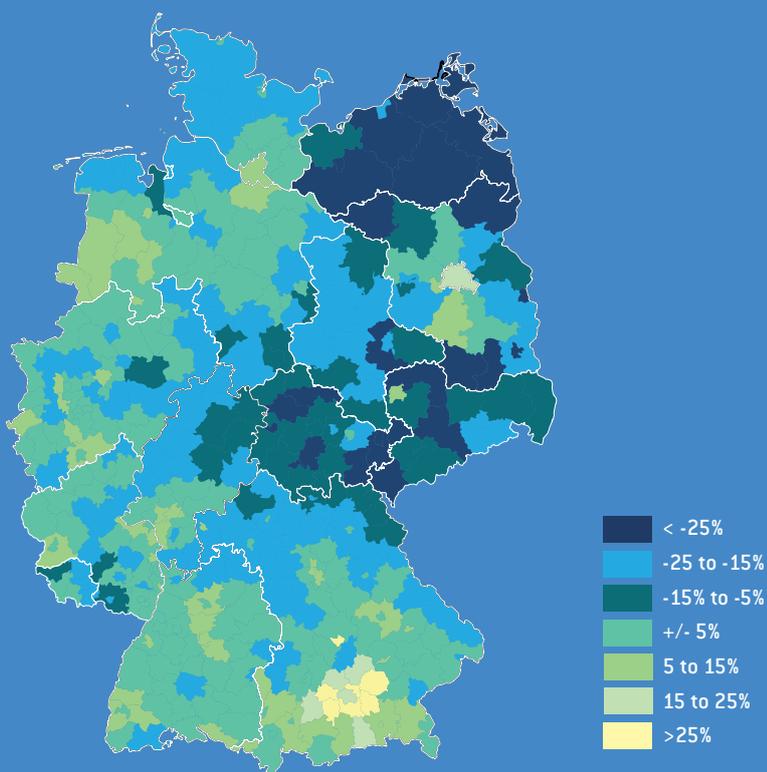
- Constructing consistent development scenarios of regional electricity demand in Germany, the EU and selected European countries
- Analyzing scenarios to understand the influence of different factors on electricity demand in the future (e.g. stronger energy efficiency policies, changed energy prices or technology trends)



- When defining scenarios, we attach great importance to a shared understanding and to working closely with our clients so that these are tailored to their requirements.

HOW YOU BENEFIT

The high resolution results of the FORECAST model can improve your understanding of the factors influencing electricity demand. Our team of independent experts has the specialist skills needed to assess and interpret the latest developments concerning emerging technologies, energy efficiency policies and macroeconomic trends. We believe it is very important to process the results of scenarios for you in a transparent way and to discuss them with you in detail.



Example model results: Development of electricity demand at the level of local districts in Germany up to 2035 compared to 2010.

