

Empowering Local Decision-making for a Successful Energy Transition: Development of an Interactive Dashboard



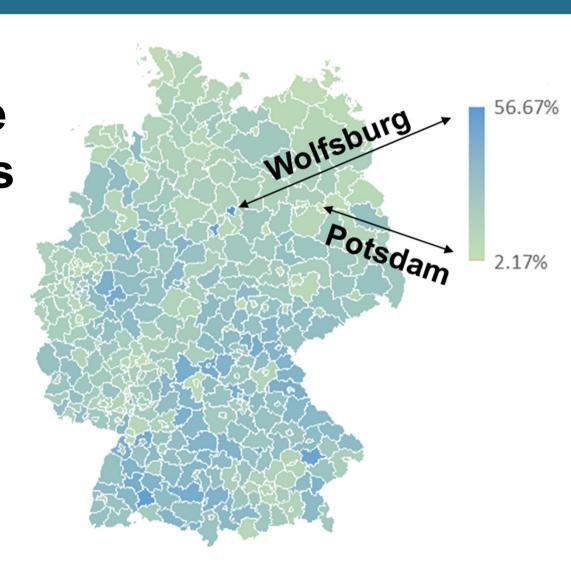
Katharina Hembach-Stunden, hembach-stunden@gws-os.com

What We Do & Why It Matters

We combine a synthetic population with a multi-regional input-output (MRIO) model to assess the impacts of decarbonisation in Germany at the regional scale (NUTS 3 level). Standardised scenario analyses ensure the systematic transfer of scientific insights into municipal practice through a participatory and transdisciplinary approach.

Diverse Economic Structure across the 400 German districts

Example: Share of manufacturing industry (employees)



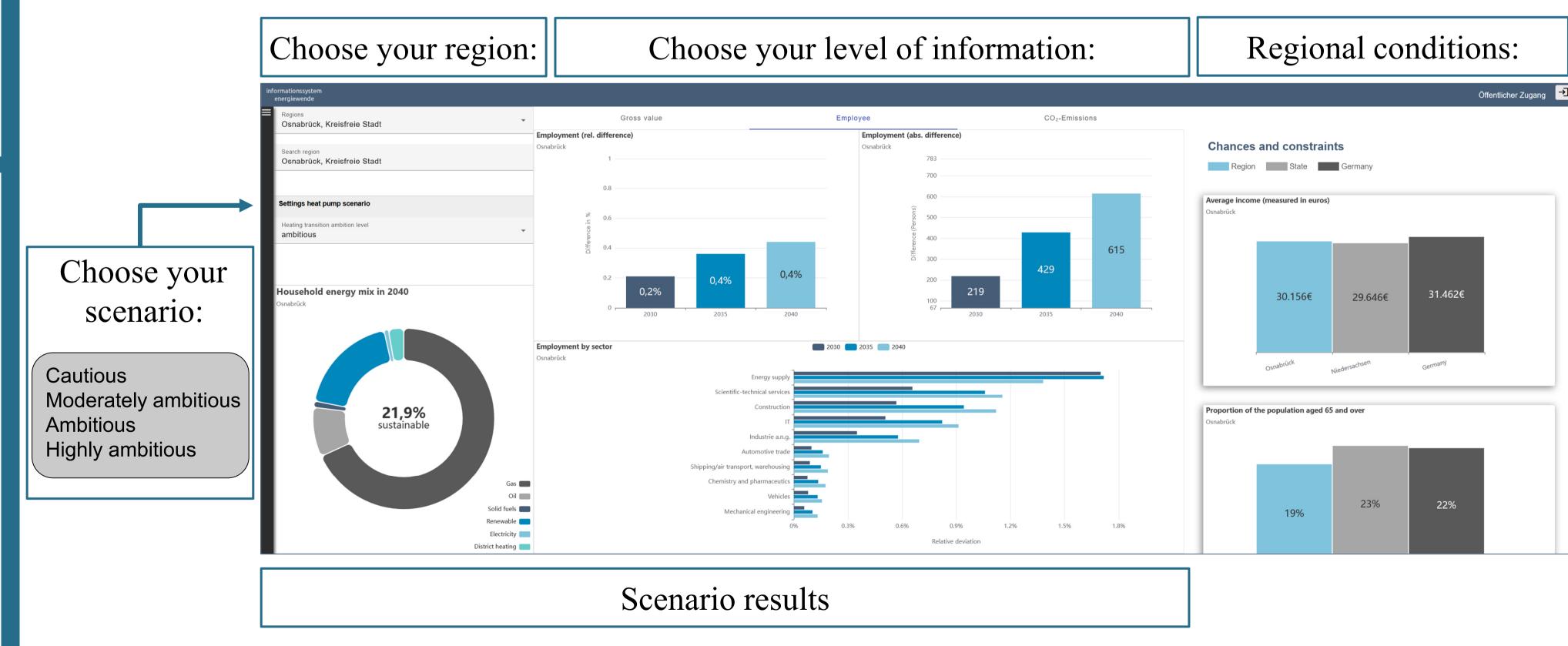
RIMES – A New Regional MRIO-Model

- Enables district-level analysis of economic structures and interdependencies across Germany.
- Maps interregional trade and sectoral connections using a unique gravity trade model.
- Supports future-oriented scenario analysis by linking with dynamic GWS-models.
- Assesses the regional impacts of structural change, such as decarbonisation policies, e.g. heat transition.

Overview Current State for Households, Economy and State



Scenario Dashboard: Heat Transition as Example



Check out our Dashboard:

https://info-ew.de/demo/



Project partners:

Philip Ulrich

Dr. Katharina Hembach-Stunden Dr. Britta Stöver (Project Lead)



Jakob Napiontek Dr. Peter Paul Pichler Prof. Dr. Helga Weisz



Ute Niermann

