Leipzig Energy Map

DEMO DISTRICT

Leipzig City

PARTNERS INVOLVED

Stadt Leipzig

COMPLETION DATE

November/2023

KEY NUMBERS

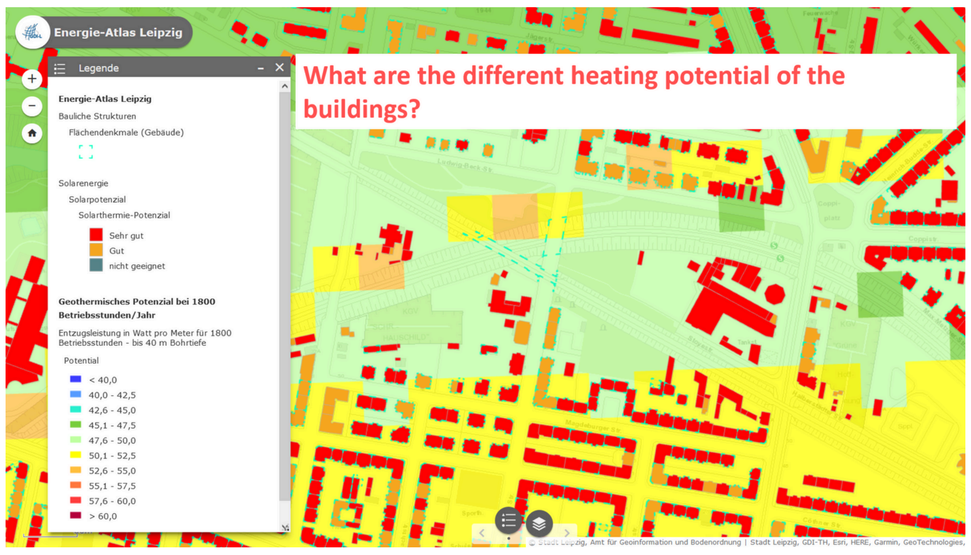
Integration of 3 new external data sources

CO_2 REDUCTION POTENTIAL

High

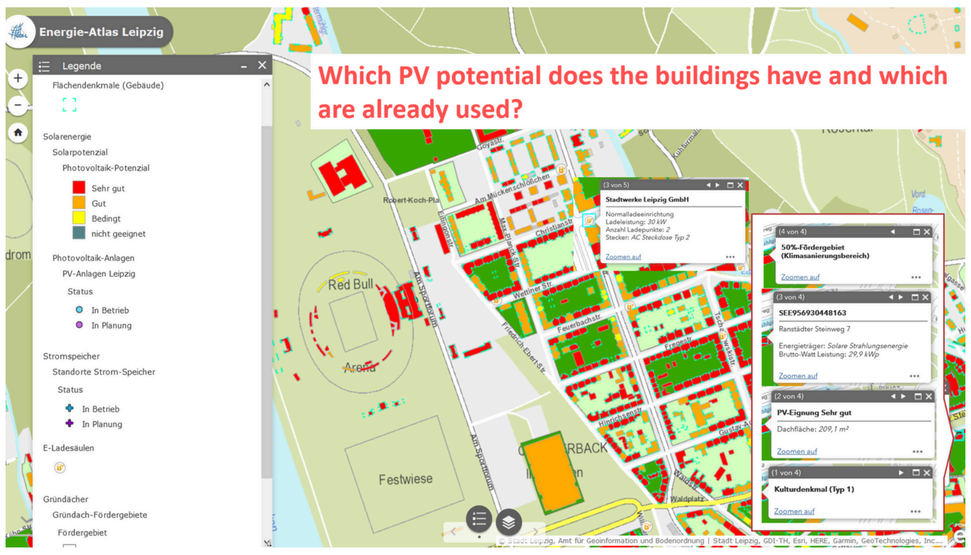
Short description

- A navigation tool for the energy transition
- Digital twin of renewable energy potentials and plants
- Goal: identify renewable energy potentials and present the expansion status of renewable energy systems
- Various data areas are combined in a data series in order to visualise and analyse this data and enable data exports
  - Local data = LeipziGIS
  - Federal data = Master Date Register and Federal grid agency > E-Mobility Register
  - State = Geothermal potentials



Key results during the project lifecycle

- One data space
- All stakeholders focus on one tool: Developing ideas together
- Thinking RE expansion and monument protection together
- Understanding the effects of sector coupling
- Decision tool RE expansion



Insights and learnings

- Rapid prototyping helps to better describe ideas and offices can understand them more quickly
- Fast feedback loops ensure a rapid development process
- Cooperation is key
- Error culture must be allowed

Challenges

- Hierarchies of the municipal administration

Plans for replication

- Integration of the results of municipal heat planning
- Energy transition dashboard
- E-charging pole dashboard
- Energy map as a communication tool for citizens

Questions and comments from partners

Comments to be added during poster session at Consortium meeting in Leipzig

CONTACT PERSON AND LINKS

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