

SoRa - Data linking service

Development of the Social-Spatial Science Research Data Infrastructure



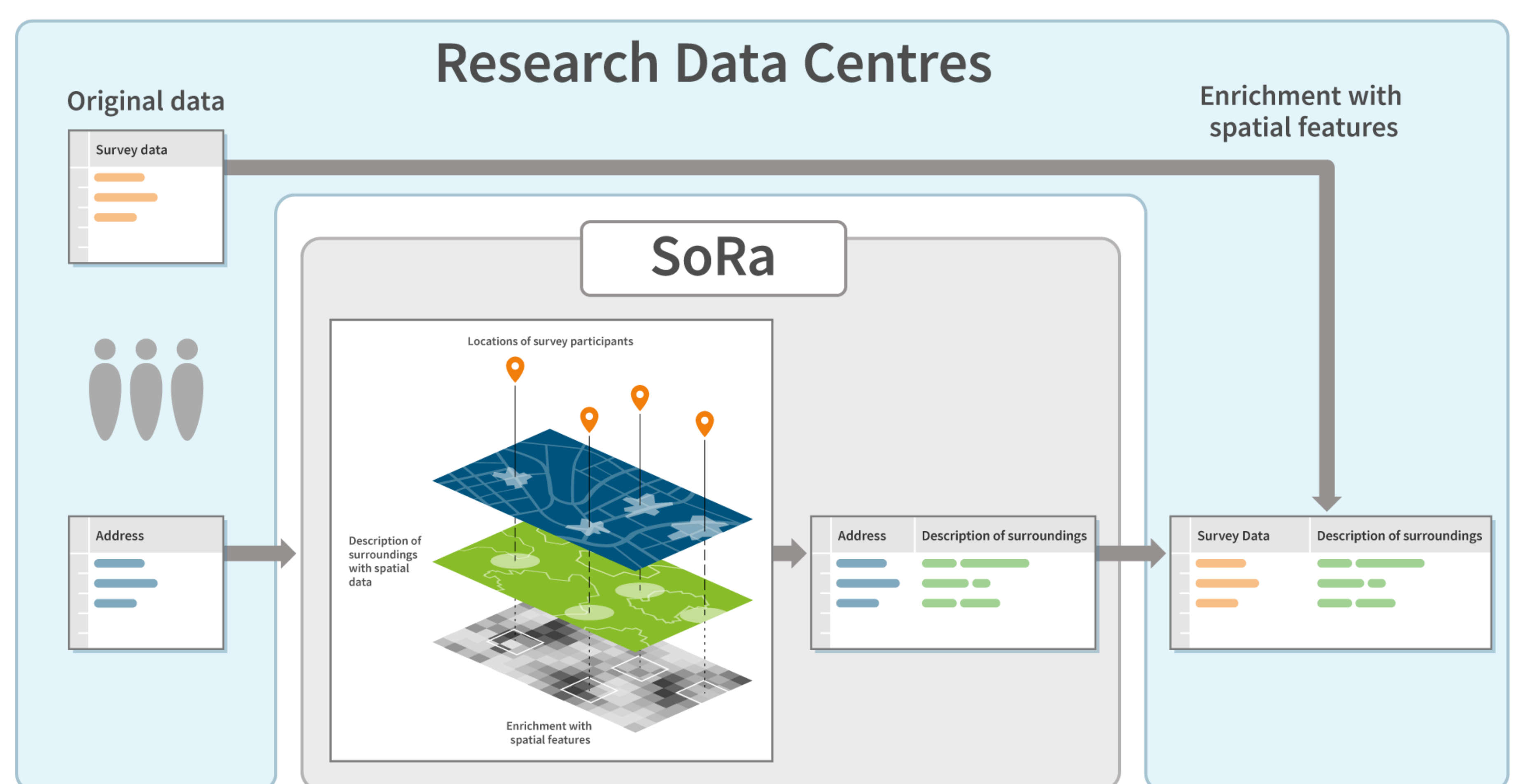
SoRa
Data linking service

The goal of the project is to **link social science** and **spatial science research data** in a data protection-compliant manner, enabling the analysis of **interdisciplinary research questions** at the intersection of these domains.

Key facts

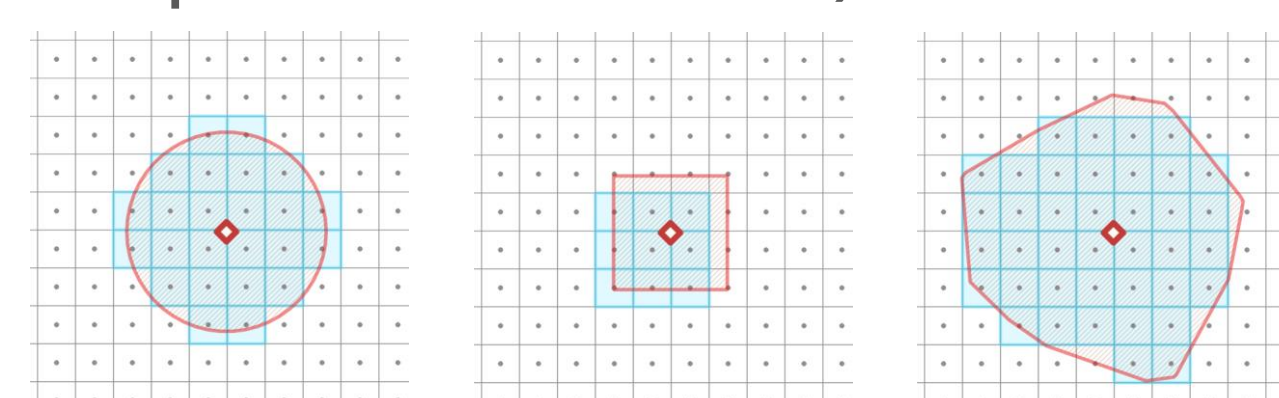
- **Linking** data from research data centers to enrich survey data with spatial data
- **Public** and **private** mode (internal or external of secure rooms)
- Providing **provenance data**
- **Data protection** compliant
- **Structure dataset** to test linking outside of secure rooms
- **Open Source & FAIR-principles**
- **Extendable** to other social or spatial research data centers

General workflow



Linking types

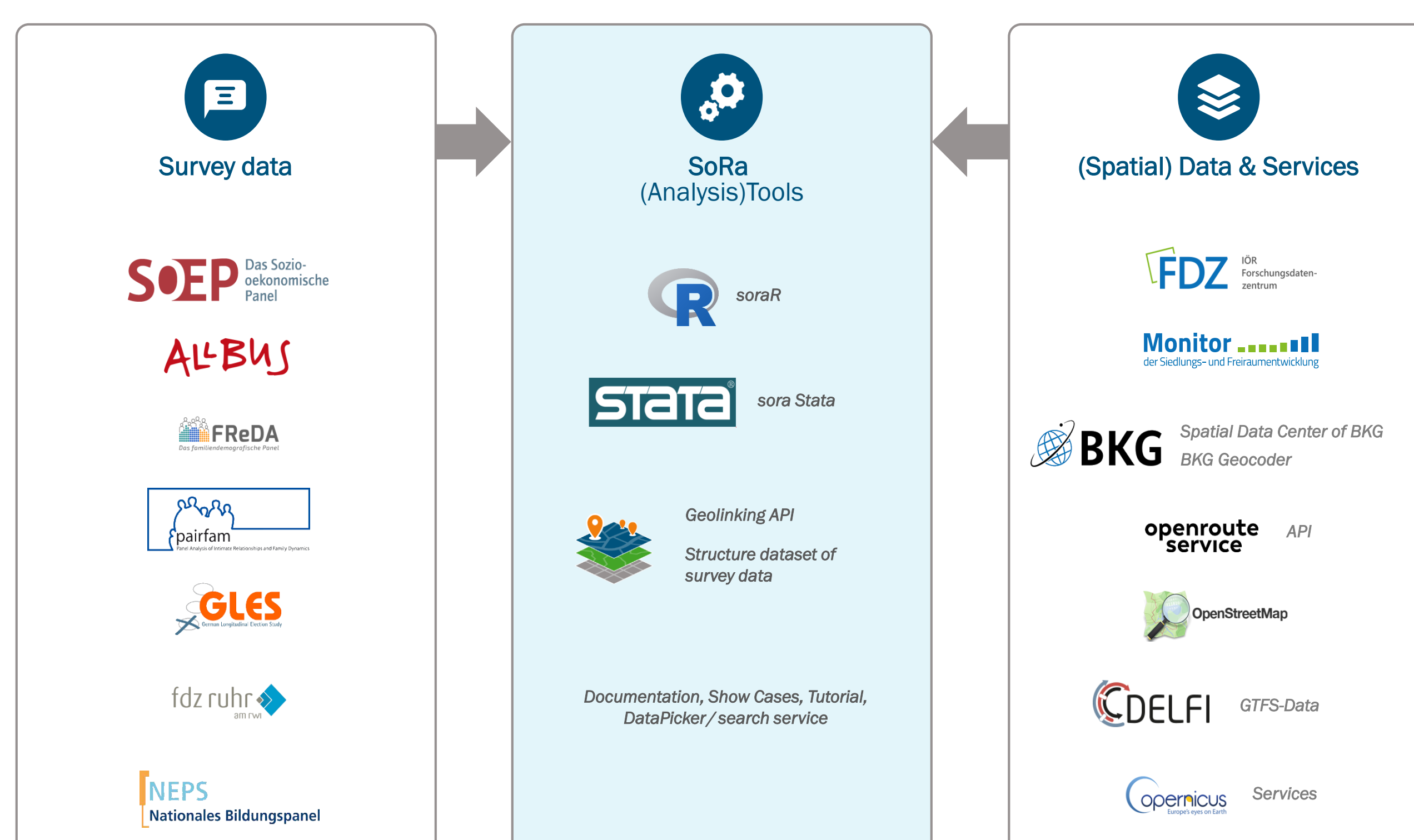
- By **neighbourhood** (e.g. Circle, Square, Isochrone)
- By **routing**
- Further **experimental** types (e.g. small area estimation, geoimputation)



Example use cases

- Green space accessibility / visibility
- Accessibility of public services (e.g. education or transport)
- Public Health
- Living justice / inequalities (e.g. heat islands or air pollution)

Used data, services and tools



Added value for science

- Supporting spatial analysis of survey data **by shortening the scientific workflow**
- **optimize processes within secure rooms** to offer data access for more researchers

Are you interested in testing the SoRa data linking service?
Any comments or questions?

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