GDI-DE | Geodateninfrastruktur Deutschland

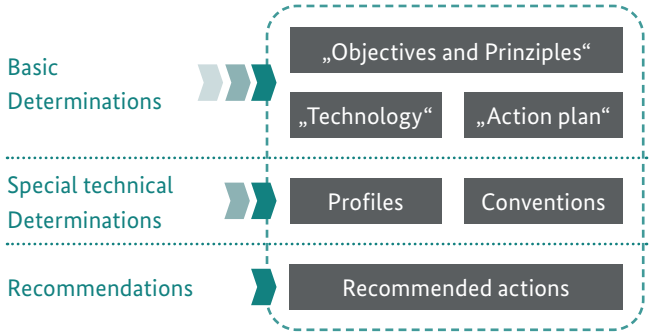
A project of the federal, state and local governments

Central documents of the Architecture concept

Fundamental specifications are made in the following 3 central documents (categories):

1. „Architecture of the GDI-DE – Objectives and Prinziples“ explains the strategic objectives, professional and technical principles as well as the legal and organisational framework conditions of the GDI-DE.
2. „Architecture of the GDI-DE – Technology“ describes the various architecture components and references relevant norms, standards and specifications.
3. „Architecture of the SGDI-DE – Action Plan“ shows the steps required for the future development of the GDI-DE.

Specific technical specifications are made in profiles and conventions. Additional information is further specified as recommendations for action.



Architecture concept of the Spatial Data Infrastructure Germany

More information and contact

The 3 central documents of the SDI Germany (GDI-DE) Architektur are available on the website: https://www.gdi-de.org/en/service/downloads/flyer and brochures

Further information about the SDI network is available at: www.gdi-de.org/en

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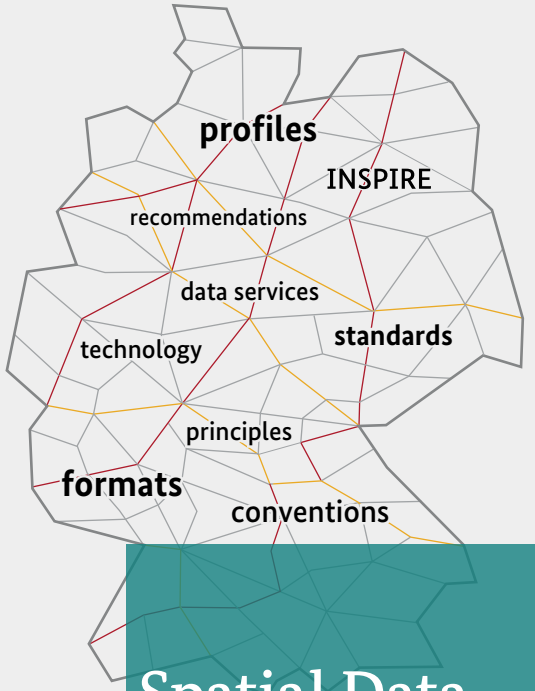

Spatial Data Infrastructure (SDI) Germany Architektur

www.gdi-de.org
www.geoportal.de
https://wiki.gdi-de.org/

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Moving things forward together

The architecture of the SDI

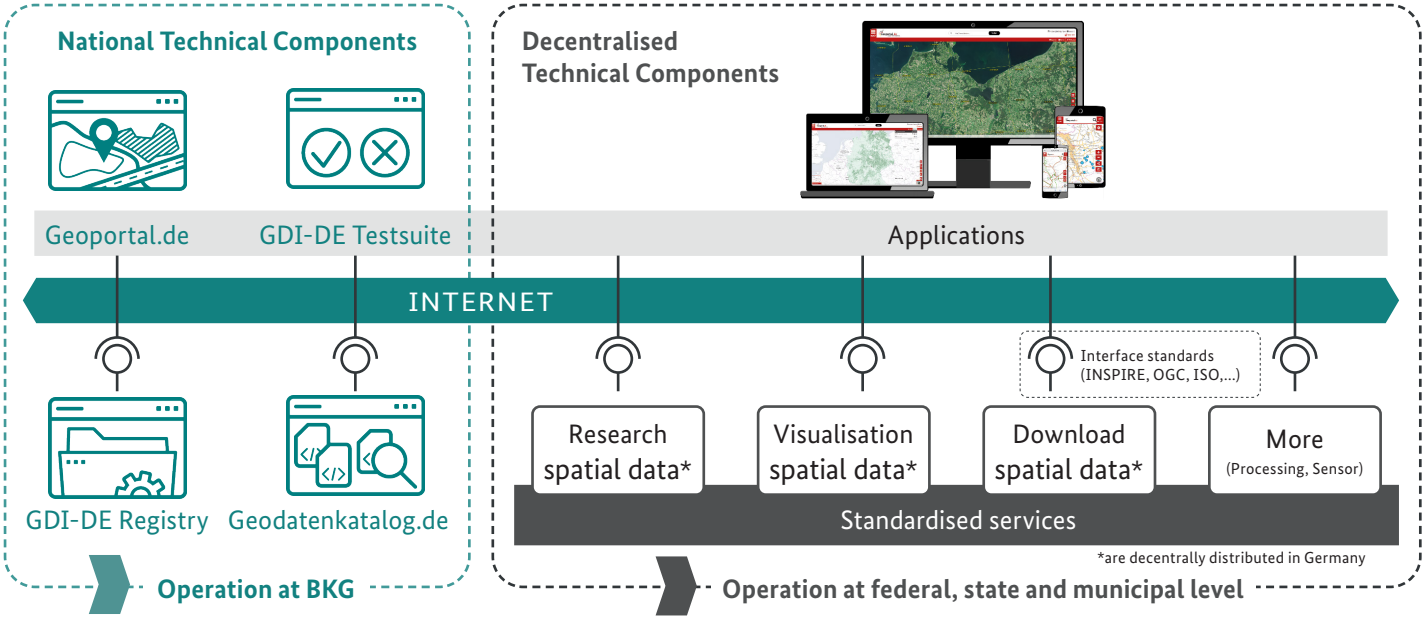
- supports the execution of statutory tasks at all administrative levels.
- promotes the automation of administrative procedures with spatial relevance within the framework of e-government.
- provides spatial data for entrepreneurial tasks in the economy.
- contributes to a spatial knowledge base for research.
- promotes the opening of public administration within the framework of Open Government by making geodata available.
- is modularly structured from defined national and decentralised IT components.

Goal: User orientation

Spatial data of different origins distributed in Germany should be made available interoperably for politics, administration, economy, science and the public via spatial data service.

To this end, the architecture follows the principles:

- Harmonisation and quality of spatial data and spatial data services
- Simple access and usage regulations
- Transparency and searchability
- Avoidance of redundancies
- Multiple use and decentralisation of spatial data
- Centrality of access



National and Decentralised Technical Components in the Architecture of the GDI-DE

Customised geodata and services

GDI-DE-fundamental

Geostandards are *fundamental* if they correspond to the state of the art. They ensure the interoperability required for the implementation of the GDI-DE architecture.

GDI-DE-expiring

Geostandards are *expiring* if they were previously classified as fundamental but have become obsolete due to further development of the state of the art and can be replaced by more up-to-date ones.

GDI-DE-optional

Geostandards are *optional* if there are already field-tested implementations, but these represent an additional variant and are based on verified findings from science, technology and experience.

GDI-DE-under-observation

There are requirements that can currently neither be met by established geostandards nor by geostandards that can be used in day-to-day operations. The developments of related solutions are to be discussed at an early stage within the GDI-DE and are therefore *under observation*.

INSPIRE-fundamental

Metadata, spatial data and spatial data services to be provided in the scope of the INSPIRE Directive are subject to the additional requirements set out in the INSPIRE Implementing Rules and INSPIRE Implementation Guidance.