

What is INSPIRE?

INfrastructure for **SP**atial **Info**Rmation in **EU**rope (INSPIRE) Directive aims to create a European Union spatial data infrastructure for policies or activities, which may have an impact on the environment. Thus, it wants to facilitate the cross-border exchange, sharing, access and use of spatial data in Europe, especially to support joint environmental policy decisions.

For this purpose, the European Parliament and the Council adopted the Directive 2007/2/EU, which came on 15 May 2007 and has meanwhile been transposed into national legislation by the member states.

The INSPIRE Directive defines the legal framework for the establishment of the European spatial data infrastructure. The EU regulates specialized and technical details by means of implementing rules, which are directly binding for the member states.

In practice, INSPIRE requires a uniform description of the relevant spatial data and their provision on the Internet, including discover, transform, view and download and to invoke spatial data and e-commerce services. The data themselves must be available in a uniform format, too.

The video of the Joint Research Centre and the European Commission offers further information on the background and benefit of the EU Directive "INSPIRE".

www.geoportal.de/DE/GDI-DE/videos

Interested in more?

In Germany, the requirements of INSPIRE are implemented through the German National Spatial Data Infrastructure (GDI-DE).

Responsibility for the provision of INSPIRE-relevant datasets is within the agencies keeping spatial data.

More detailed information is available from the European Commission in English:

inspire.ec.europa.eu

Information in German:

www.gdi-de.org → INSPIRE

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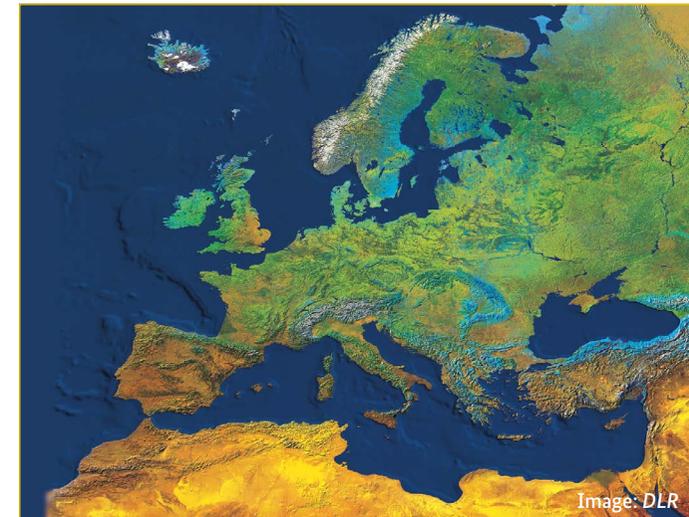
Bundesministerium
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Bau und Reaktorsicherheit



INSPIRE



Breaking boundaries with INSPIRE



Using spatial data from across Europe

Administrative units, addresses, cadastral parcels, transport networks, hydrography, protected sites, land cover, orthoimagery, geology, buildings, soil, land use, human health and safety, environmental monitoring facilities, production and industrial facilities, agricultural and aquaculture facilities, population distribution and demography, natural risk zones, meteorological geographical features, oceanographic geographical features, habitats and biotopes, species distribution, energy resources, mineral resources...

Which spatial data are affected?

The INSPIRE Directive defines altogether **34 data themes** in the **Annexes I to III**.

The majority of the **9 themes** of **Annex I** contains basic information, such as:

- administrative units
- transport networks and hydrography
- protected sites (water, nature, monuments...)

The **25 themes** of **Annexes II and III** mainly contain specific information, such as:

- human health and safety
- energy resources
- utility and governmental services
- production and industrial facilities

Who has to provide spatial data?

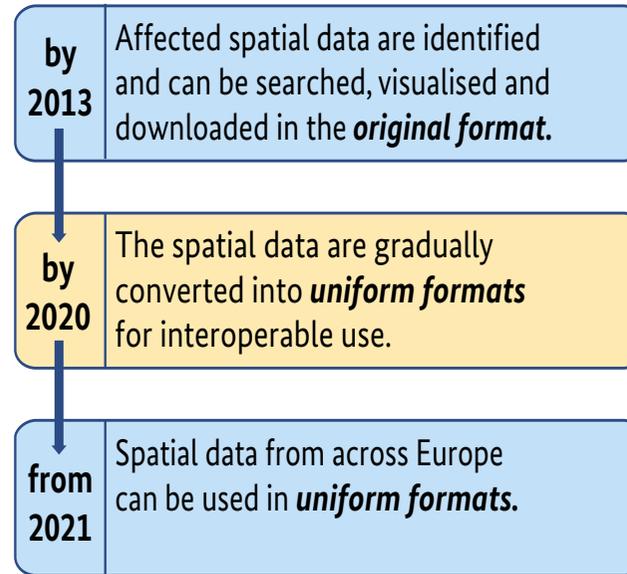
INSPIRE is obligatory for all institutions in Germany having a public service mission.

They have to make available their spatial data covered by INSPIRE themes.

How can spatial data made accessible?

The spatial data are provided via standardised interfaces (services) on the Internet.

The INSPIRE Roadmap:



How can spatial data be used?

INSPIRE-relevant spatial data from Germany can be searched via metadata and visualised in form of maps, as well as downloaded as dataset in the Geoportal Germany (www.geoportal.de).

The spatial data from Germany and other EU member states are also accessible via the Geoportal of the European Union (inspire-geoportal.ec.europa.eu).

INSPIRE spatial data can be directly included into subject-specific procedures via standardised interfaces (services) and can be used immediately.

Who benefits from INSPIRE?

INSPIRE is useful for everyone,

for the citizens,
for science,
for the administration and the economy.

INSPIRE removes barriers

to the use of spatial data,
because they can be found and
combined more easily.

INSPIRE enhances transparency

in the environmental policy,
since environmental data are publicly
accessible on the Internet.

INSPIRE offers planning reliability

for investment decisions,
because updated spatial data can be used.

INSPIRE stimulates the economy

because private companies
can use public spatial data
more easily.