

## Central validation tool for a sustainable quality management

The quality of the German spatial data infrastructure (GDI-DE) mainly depends on the degree of accessibility of existing spatial datasets. The key to their accessibility is the interoperable provision of spatial datasets, based on open standards.

The GDI-DE Testsuite assists you in the interoperable provision of your spatial datasets within the German SDI and beyond.

**Conformance tests can not ensure full interoperability of software components but they can improve the degree of interoperability!**

The GDI-DE Testsuite is freely usable. In addition to the online application, an interface is available for executing tests from other applications. The GDI-DE Testsuite can also be downloaded for local use.

Test your spatial datasets and services to check whether they meet the specifications and requirements of INSPIRE and GDI-DE!

## More information and contact

More information about GDI-DE Testsuite is available at: <https://redmine.gdi-de.org/projects/gdi-de-testsuite>

GDI-DE Testsuite web application:  
<https://testsuite.gdi-de.org/>

GDI-DE Testsuite Download:  
<https://testsuite.gdi-de.org/download/>

Further information about the GDI-DE network is available at: [www.gdi-de.org/en](http://www.gdi-de.org/en)

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**GDI-DE**  
Testsuite –  
ensure quality



<https://testsuite.gdi-de.org/>  
[www.gdi-de.org](http://www.gdi-de.org)  
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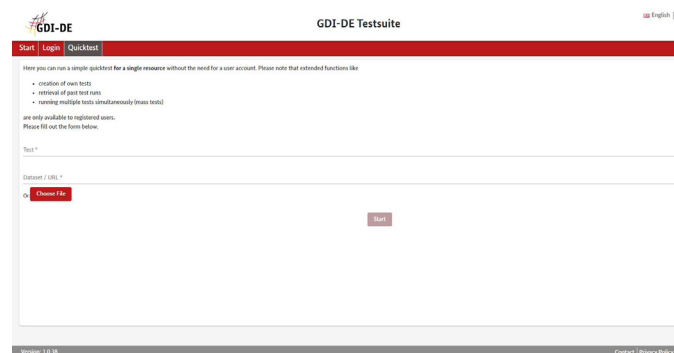
## Why testing?

The main objective in setting up the Spatial Data Infrastructure Germany (GDI-DE) is the interoperable provision of spatial data sets through standardised web services.

Interoperability is ensured through compliance with norms and standards such as those of the ISO (International Organization for Standardization) or the OGC (Open Geospatial Consortium).

In addition, the EU Directive 2007/2/EC establishing an Infrastructure for Spatial Information in the European Community (INSPIRE), introduced further specifications as a basis for the Europe-wide use of spatial data sets and services.

In order to ensure real interoperability within the GDI-DE, the provision of a central test environment for checking the conformity of spatial data sets and services with the relevant specifications and standards is essential.



## Support cooperation

The GDI-DE Testsuite is one of the National Technical Components of **Spatial Data Infrastructure Germany (SDI)**.

As such, it is used by the partners of the GDI-DE as a common tool for the interpretation and implementation of the open standards recommended in the architecture concept of the GDI-DE (<https://www.gdi-de.org/index.php/en/service/downloads/SDI%20documents>).

The tests are developed in a consensus process and support the common understanding of the standards to be implemented.

## Ensure quality

With help of the GDI-DE Testsuite, data providers can check if their

- spatial data sets are accessible and usable,
- metadata, spatial data sets and services fulfill the legal requirements.

To validate the requirements of the INSPIRE Directive, the tests of the European INSPIRE Validator are reused (<https://inspire.ec.europa.eu/validator/home/index.html>).

