

## GDI-DE Testsuite

Central test platform for a sustainable quality management.

The quality of the German SDI (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't ensure full interoperability of software components but they can enhance the grade of interoperability!*

***Test your spatial datasets and services for conformity with the specifications and requirements of INSPIRE and GDI-DE!***

## More information?

The GDI-DE Testsuite can be used by everybody without any restrictions. Next to an online application for testing, there is also an interface for using the tests in other applications. If you want to use the GDI-DE Testsuite locally you can download the application at: <https://wiki.gdi-de.org/x/7wEz>.

More information about GDI-DE Testsuite is available at [www.geoportal.de](http://www.geoportal.de) → GDI-DE → Components and <https://wiki.gdi-de.org/x/7wEz>.

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## More cooperation – better quality



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[testsuite.gdi-de.org](http://testsuite.gdi-de.org)

## Why testing?

One main objective in establishing the German SDI is the interoperable provision of spatial datasets through standardized web services.

Therefore is necessary to be in compliance with norms and standards from organizations such as ISO (International Organization for Standardization) or OGC (Open Geospatial Consortium).

Moreover, with the Directive 2007/2/EC of the European Parliament and of the Council establishing an Infrastructure for Spatial Information in the European Community (INSPIRE) there are further technical requirements to enable an Europe-wide usage of spatial datasets and services.

In order to achieve real interoperability within the German SDI, the provision of a central test environment for checking the conformity of spatial datasets and services with the relevant specifications and standards is quite essential.

## Better quality!

Among others the GDI-DE Testsuite can be used to check, if

- spatial datasets are accessible and usable,
- spatial services of the German SDI are functioning with each other and
- the legal requirements are fulfilled.

All the implemented test procedures are developed in a coordinated process with different stakeholders of the German SDI. Therefore the GDI-DE Testsuite supports a common interpretation of standards and specifications within the SDI Community.

✓	md_261_262_263_264	At least one temporal reference is given as a term extent, a date of publication, date of last revision or date of creation.
✓	md_242	If the INSPIRE thesaurus is given (GEMET - INSPIRE themes, version 1.0), the "thesaurusName" element must be properly formatted.
✗	md_241	At least one keyword is given.
✗	md_223_ds	If the resource is a dataset or a dataset series at least one keyword must originate from the german INSPIRE theme of the GEMET Thesaurus <a href="http://www.eionet.europa.eu/gemet/inspire_1">http://www.eionet.europa.eu/gemet/inspire_1</a>
✓	md_224	If a linkage is available, a resource locator is given
✗	md_223	A resource type for identification was given and contains a properly formatted MD_ScopeCode

## More cooperation!

The GDI-DE Testsuite is one of the central components of the German SDI.

As such, it is used by the partners of the GDI-DE as a common tool for the interpretation and implementation of open standards recommended in the architectural concept of the German SDI ([www.gdi-de.org](http://www.gdi-de.org)→GDI-DE→Dokumente).

*„Interoperability means working together - collaboration of systems, services and people.“*

(Interoperable Delivery of European eGovernment Services to public Administrations, Business and Citizens, IADBC)

The GDI-DE Testsuite is used in different European working groups and supports in this manner the technical implementation process of INSPIRE.