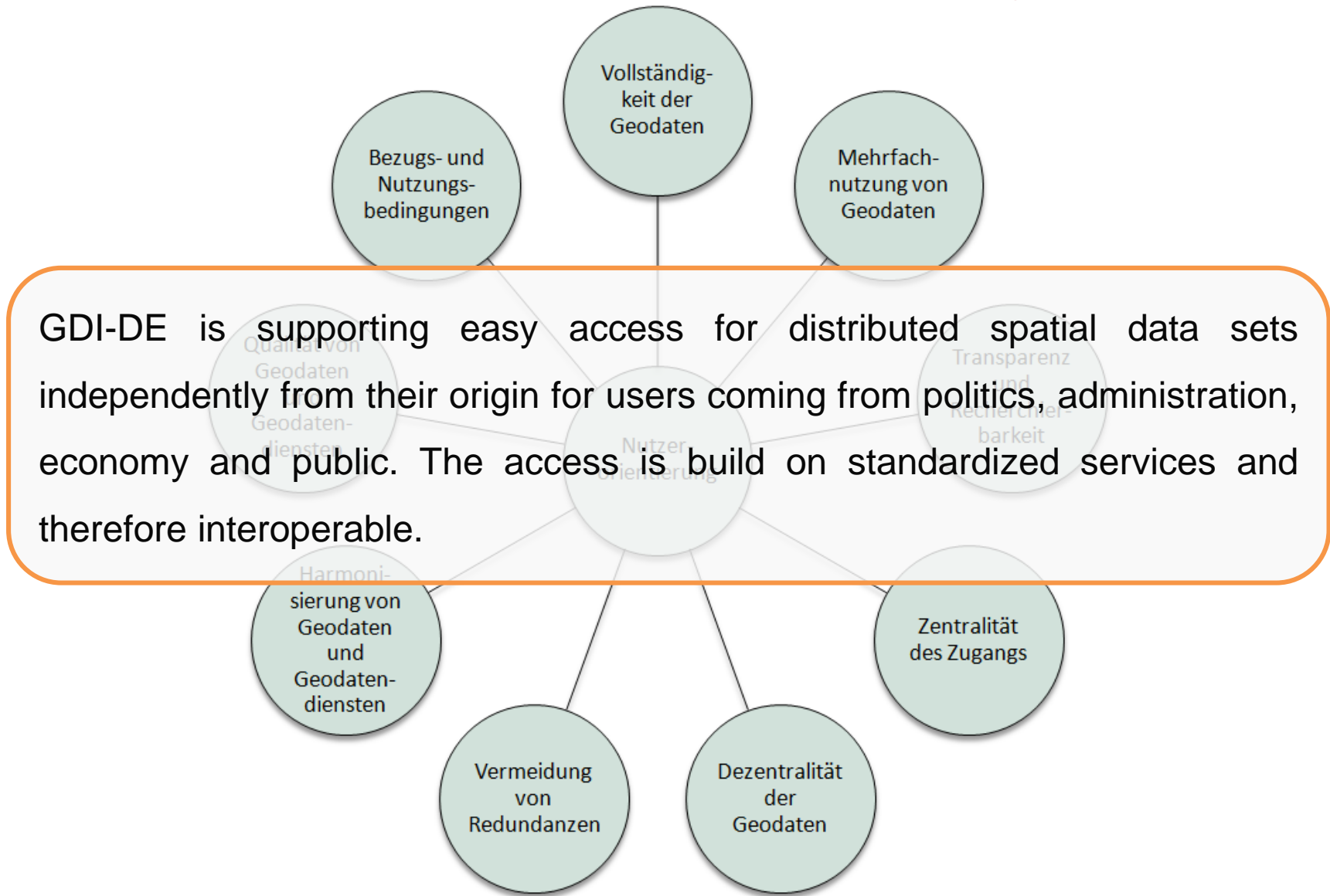


The German National Spatial Data Infrastructure (GDI-DE) & INSPIRE implementation or Easy Access to Geoinformation in Germany & Europe

Coordination Office SDI Germany
Federal Agency for Cartography and Geodesy



- **Three administrative levels** with various public authorities (Federation, States, Municipalities).
- **Public authorities** are user and provider of spatial data sets as well.
- User need to work with spatial data sets **independently from their origin.**
- Providers offering spatial data sets usually **in non-interoperable format for specific purpose.**





- GDI-DE is a **joint initiative** for providing easy access to spatial data sets of federal government, states (Laender) and municipalities.
- The base for any action is written down and signed in an **administrative agreement** between federal and state governments.

- Administrative agreement between the federal and state governments
 - 2006: to establish national SDI (GDI-DE) under joint funding
 - Amendment 2008: taking into account INSPIRE (national contact point, coordination structure)
 - Amendment 2013: additional funding for the maintenance of common components (geoportal, discovery service, testsuite, registry)
 - Amendment 2018: to further develop and operate national SDI (GDI-DE)





- GDI-DE is part of the **European Spatial Data Infrastructure**.
- The Base is **Directive 2007/2/EC** establishing an Infrastructure for Spatial Information in the European Community (**INSPIRE**).
- INSPIRE = **IN**frastructure for **SP**atial **IN**fo**R**mation in **E**urope



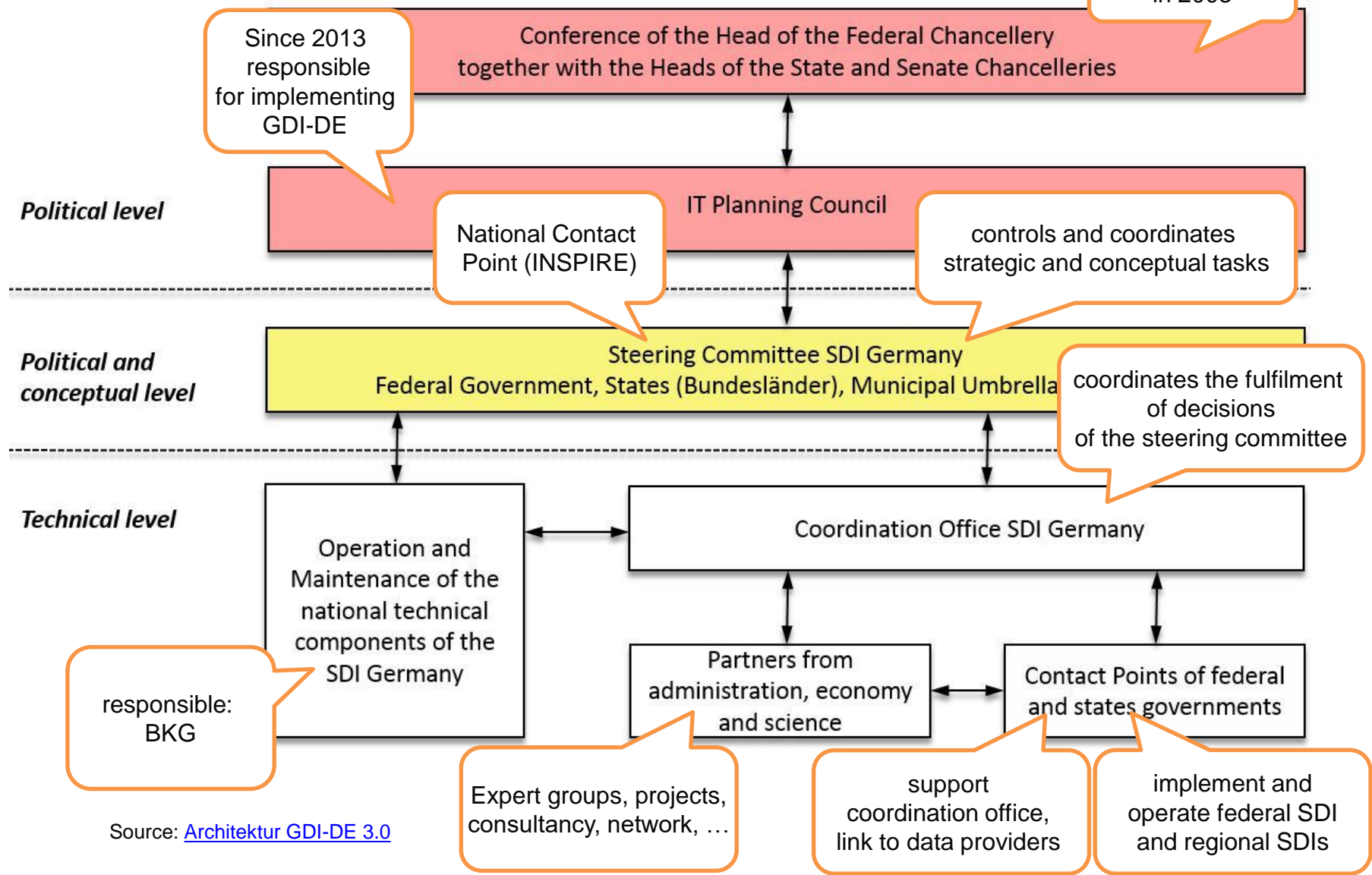
- **INSPIRE** is a legal binding requirement for **public authorities** of EU Member States to provide
- digital data with a **reference to a specific location or geographical area**,
- through **network services**,
- in **harmonized data models**,
- if they relate to one or more of the **34 themes** listed in annex I, II or III of the Directive.

17 laws at federal level and within 16 „Laender“



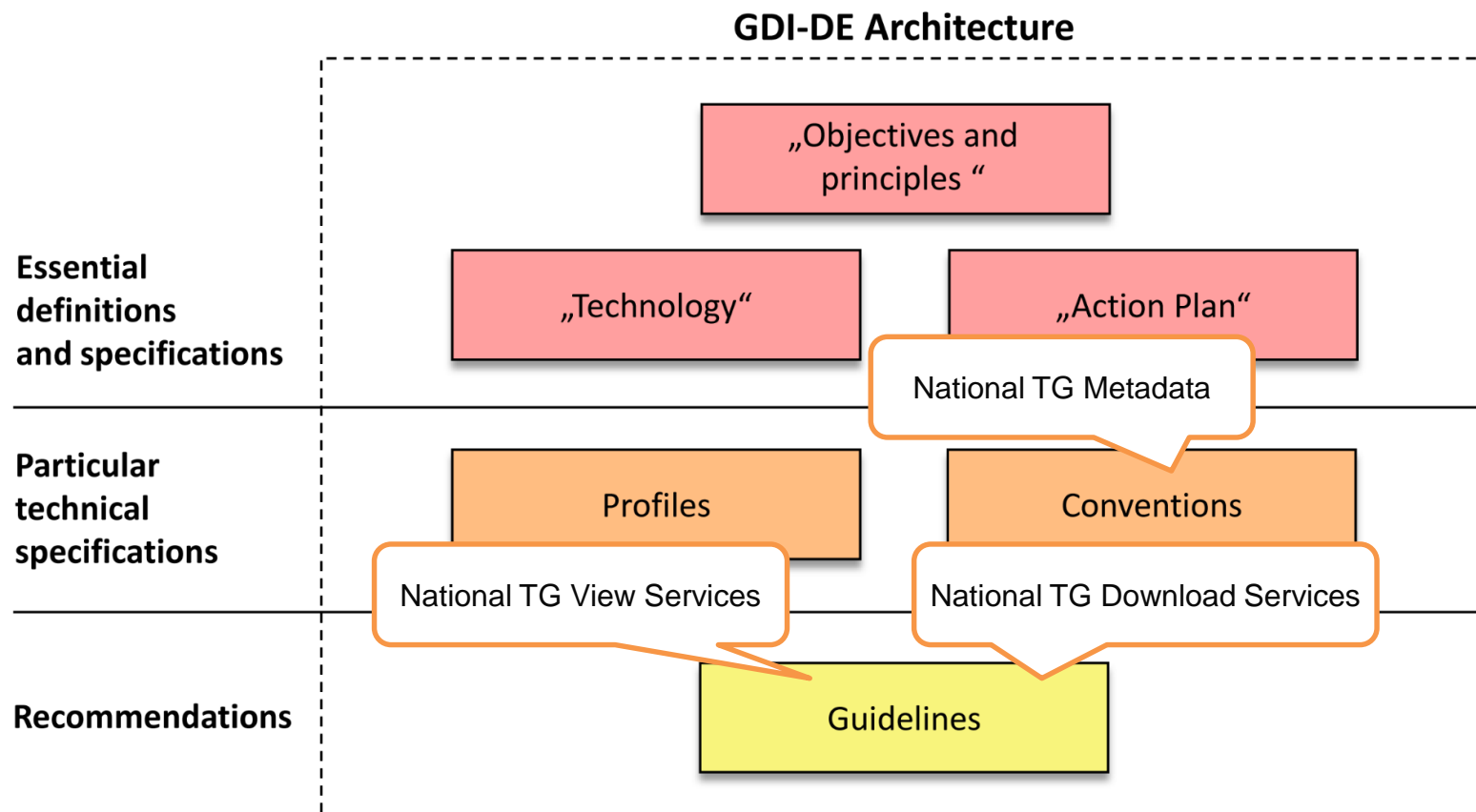
legal basis for national SDI

GDI-DE Coordination structure



Source: [Architektur GDI-DE 3.0](#)

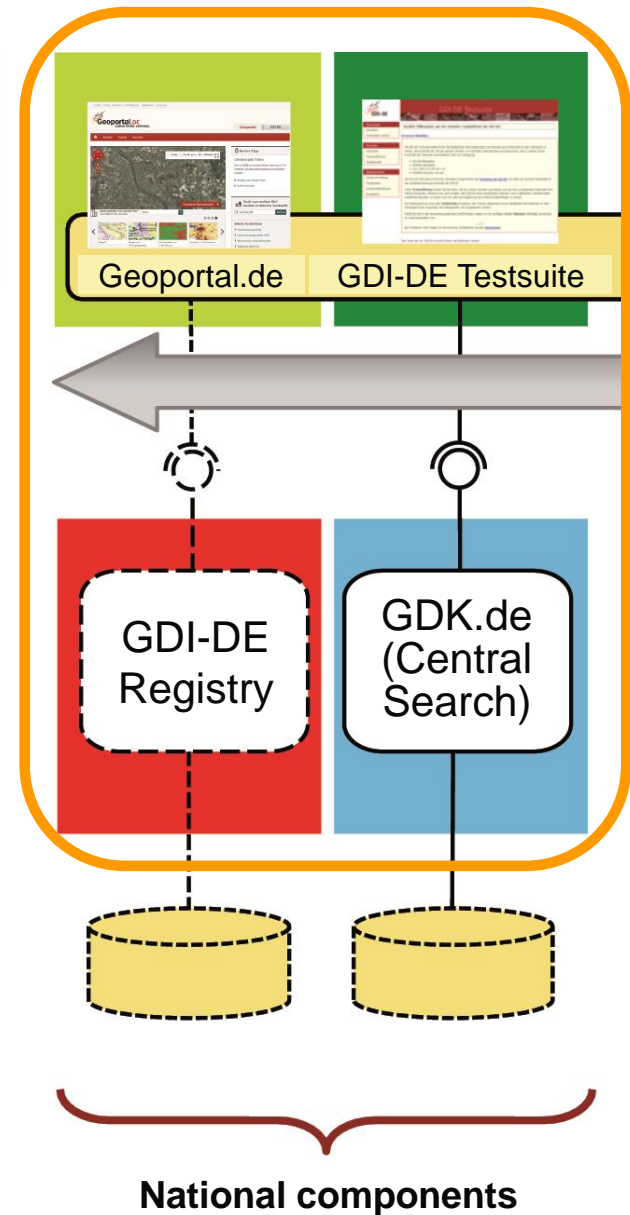
All documents consider INSPIRE regulations and technical guidance documents!



Source: http://www.geoportal.de/SharedDocs/Downloads/EN/GDI-DE/Flyer-Brochures/Infolyer_Architektur_GDI-DE_en.pdf?__blob=publicationFile



**Networking data –
making better decisions.**



LOGIN | HELP | CONTACT | IMPRINT | SITEMAP | DEUTSCH

Geoportal.de

suchen. finden. verbinden.

Geoportal GDI-DE

Maps Search Services

Map of the month

Newly completed apprenticeship of the Geomatiker in 2012 - 2016

The map of the month August 2017 represents the number of newly completed apprenticeship contracts of the Geomatiker / Geomatikerin traineeship in 2016.

New concluded articles of apprenticeship per federal state 2016

- 0 - 3
- 4 - 9
- 10 - 15
- 16 - 22
- 23 - 45

In addition, these newly concluded apprenticeship contracts for the years 2012 - 2016 are differentiated by gender.

New concluded articles of apprenticeship due to sex 2012 - 2016
Example Hesse*

*1mm bar height corresponds to 1 new contract

Date: August 2017
Sources: Bundesinstitut für Berufsbildung - DAZUBI (Erhebung zum 30.09. des jeweiligen Erhebungsjahres; Diagrammwerte aus Geschlechterverhältnissen abgeleitet). © GeoBasis-DE / BKG 2016
By stating the source, there are no restrictions. The "Map of the Month" can be used privately and commercially.

Download - Map of the Month (pdf)

- Details on featured map
- Display the map

Which place are you searching for?
e.g. city, zip code, address

Delete thematic map from view

- Elektrofahrzeuge in Deutschland
- Rettungspunkte
- Breitbandversorgung
- Fairtrade in der Kommunalverwaltung

LOGIN | HELP | CONTACT | IMPRINT | SITEMAP | DEUTSCH

Search item Search

GDI-DE Geodateninfrastruktur Deutschland

Geoportal GDI-DE

News Organisation INSPIRE Strategies Working Groups Components Media Center

GDI-DE > INSPIRE > Interoperability

INSPIRE Implementing Regulation Data Specifications

Directive

Legal Implementation

Time Schedule

Monitoring & Reporting

Professional Networks

Metadata

Network Services

Interoperability

Data Sharing

FAQ

Service

- Partner Programme
- Downloads
- FAQ
- Newsletter
- News
- Press

Main themes

Thematic Maps Testsuite
Search News INSPIRE GDI-DE
Geoportal-FAQs **Flyer / Brochures INSPIRE Monitoring 2016**

General information

The implementing regulation and the Guidance Documents specify the data models of the 34 Annex themes. The first nine data models for [Annex I](#) (pdf file, 29 KB) have been fixed since 14.12.2009, the data models for [Annex II](#) (pdf file, 26 KB) and [Annex III](#) (pdf-Datei, 33 KB) (pdf file, 33 KB) will be available as scheduled from 15.05.2012.

Implementing regulation and current Guidance Documents

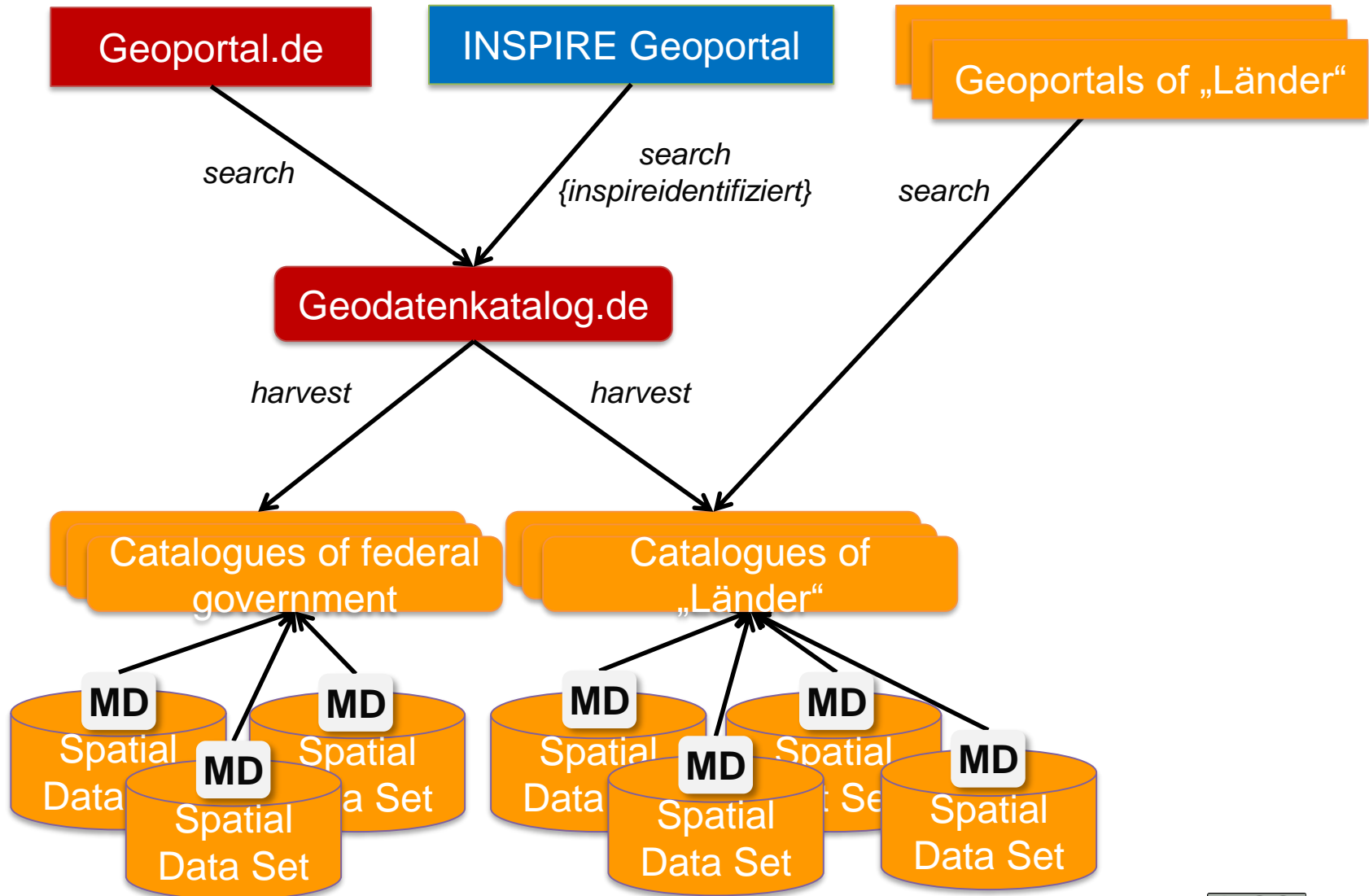
The Regulation No. 1089/2010 (EU) on the implementation of the INSPIRE directive as regards interoperability of geodatasets and services was published in the EU's Official Journal. It has applied since 15.12.2010 and took effect on 28.12.2010. In accordance with this regulation newly collected or largely restructured datasets are to be provided by 23.11.2012, and all other geodatasets related to the themes of Annex I by 23.11.2017.

Furthermore, the Regulation No. 102/2011 on the amendment of the Regulation (EU) No. 1089/2010 on the implementation of the INSPIRE directive as regards geodatasets and services became effective on 24.02.2011. By way of this amending regulation the so-called Code-Lists on the data specifications, which at first were only contained in the legally not binding Guidance Documents, were adopted into the text of the Regulation. Implementation of the amending regulation, which means observation of the Code-Lists with the provision of the geodatasets referring to the themes of Annex I, must be effected by 04.02.2013 (newly collected or largely restructured geodatasets) and by 04.02.2018 (geodatasets available at the time of the adoption of the regulation), respectively.

The draft data specification on the themes of Annexes II and III of the INSPIRE directive is currently still in progress. It is planned to adopt the specifications by 15.05.2012. According to the directive newly collected or updated data of Annexes II and III would then have to be supplied by 15.05.2014, and all other data by 15.05.2019.
(Note: In agreement with the member states the Commission has planned to extend both deadlines by ca. six months)

[Profiles on all themes of Annex I](#) (status: 18.05.2011)
[Regulation on interoperability of geodatasets and services](#) (in force since: 28.12.2010)
[Regulation on the amendment to the regulation on the interoperability of geodatasets and services \(Code Lists\)](#) (in force since: 25.02.2011)

For the concrete technical execution of the implementing regulation the accompanying "Technical Guidance" documents are above all of relevance. They illustrate how the implementation regulation can be realized. The profiles, which were compiled by expertise networks, give an initial overview of the geodata specifications referring to the single subjects of Annex I of the INSPIRE directive.





My Account

Login

Register

Handbuch (german)

GDI-DE Testsuite

Welcome to the GDI-DE Testsuite, the central testing platform of the GDI-DE!

A short overview...

With the GDI-DE Testsuite, you can test your datasets and services for conformity to the standards used by the GDI-DE to enable an interoperable exchange of geodata. For this purpose, the following tests are at your service:

- GDI-DE Metadata
- INSPIRE Metadata
- OGC CSW 2.0.2 AP ISO 1.0
- INSPIRE Discovery Service
- INSPIRE View Service
- INSPIRE Direct Access Download Service based on WFS
- INSPIRE Pre-Defined Dataset Download Service based on WFS
- INSPIRE Download Service Atom Implementation
- Konventionen der GDI-DE für INSPIRE-relevante Metadaten (**new**)
- Konventionen der GDI-DE für ISO-konforme Metadaten (**new**)

The GDI-DE Testsuite is one of the central components of the [GDI-DE architecture](#) (german only) and serves as a quality assurance testing platform inside the GDI-DE.

To use the GDI-DE Testsuite, you first have to register an account. In case you already have an account, you may login in the box below.



DE EN

Login ▾

Welcome

☰ Search

☐ Contents

☐ Changes

☰ Registers

☐ Codelisten-Register

⊕ ☐ Monitoring-Register

☐ Namensraum-Register

☐ Organizations register

GDI-DE Registry - zentrales Register für geodatenbezogene Inhalte

Das System *GDI-DE Registry* besteht aus Datenhaltung, Registry-Server, Registry-Client (diese Website) und folgenden fachlichen Erweiterungen:

- **Organizations** Register
- **Namespaces** Register
- **Codelists** Register
- **INSPIRE Monitoring** Register

Die *GDI-DE Registry* ist eine der zentralen Komponenten der [Architektur der GDI-DE](#) und dient der zentralen Verwaltung und Veröffentlichung geodatenbezogener Inhalte. Die Verwaltungsprozesse folgen der Norm *ISO 19135:2005 (Procedures for item registration)*, sind jedoch vereinfacht und werden durch den Registry-Client technisch unterstützt.










Sie können **ohne Anmeldung** auf die vorhandenen Daten zugreifen. Nutzen Sie dazu bitte die Navigationsstruktur im Menü auf der linken Seite.






Um auf die Verwaltungsfunktionen zugreifen zu können, benötigen Sie ein Benutzerkonto mit Autorisierung durch eine zuständige Organisation (Bildungs- oder Verwaltungseinrichtung, Unternehmen, etc.). Zur Registrierung gelangen Sie über das Menü *Anmelden* in der rechten oberen Ecke - bei geringer Bildschirmauflösung (z. B. auf mobilen Geräten) muss die Menüleiste zunächst durch Betätigung der Schaltfläche ☰ geöffnet werden.

E-Mail: support@gdi-de.org

[Impressum](#)

1.3-0-g685eee0

- MDi1 - Existence of Metadata 
- MDi2 - Conformity of Metadata 
- NSi4.1 – Conformity of Discovery Services 
- NSi4.2 – Conformity of View Services 
- NSi4.3 – Conformity of Download Services 
- NSi1 – Accessibility of Metadata through Discovery Services 
- NSi2.1 – Accessibility of Spatial Data Sets through View Services 
- NSi2.2 – Accessibility of Spatial Data Sets through Download Services 
- DSi2.1 – Conformity of Spatial Data Sets, Annex I 

Annex Theme	DLM250	CLC10	GN	VG*	DGM*	NUTS**
Annex I						
 Hydrography	available					
 Transport Networks	available					
 Administrative Units	available			via DLM		
 Geographical Names			available			
 Protected Sites	available					
Annex II						
 Elevation					2020	
 Land cover	2018	11/2017				
Annex III						
 Land Use	2018					
 Statistical Units						2018

* All scales ** Upcoming product

Questions?

Thank you for your attention!

Вопросы?

Спасибо за ваше внимание!

Contact

Coordination Office SDI Germany
Federal Agency for Cartography and Geodesy
Richard-Strauss-Allee 11
60598 Frankfurt

Dr. Anja Hopfstock
anja.hopfstock@bkg.bund.de
Central Phone Number: +49 (0) 69 6333-258
www.gdi-de.org | www.geoportal.de