

INSPIRE in 2018 – user requirements, expectations and reality

**Use of INSPIRE Data: past experiences and scenarios for the
future**

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Coordination Office SDI Germany

Nicolas Hagemann

www.gdi-de.org | www.geoportal.de | wiki.gdi-de.org

- Background
- Current status
- Expectations
- Requirements
- Challenges

**Geodaten vernetzen –
besser entscheiden.**



Geodateninfrastruktur (GDI-DE) –
ein Vorhaben von
Bund, Ländern und Kommunen



- 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.

1 Nation (Federation)

with parliament (legislature),
administration (executive
authority), judicial power

16 States („Länder“)

each with parliament
(legislature), administration
(executive authority), judicial
power

14.000 Municipalities

with many rights of self-
government



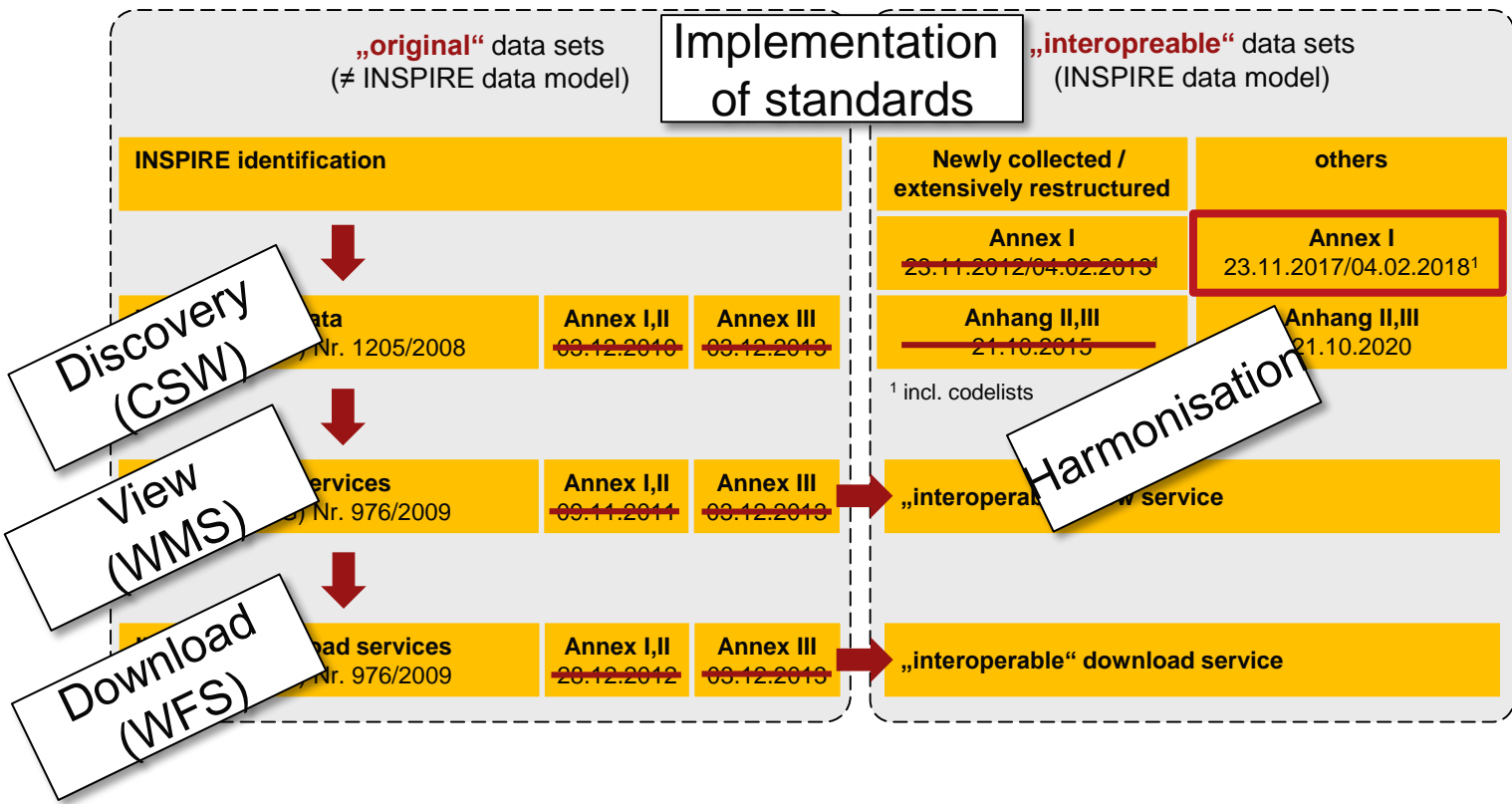
- Administrative agreement between the federal and state governments since 2006: establish national SDI (GDI-DE), joint funding
 - Amendment 2008: taking into account INSPIRE (national contact point, coordination structure)
 - Amendment 2013: additional funding for the maintenance of common components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

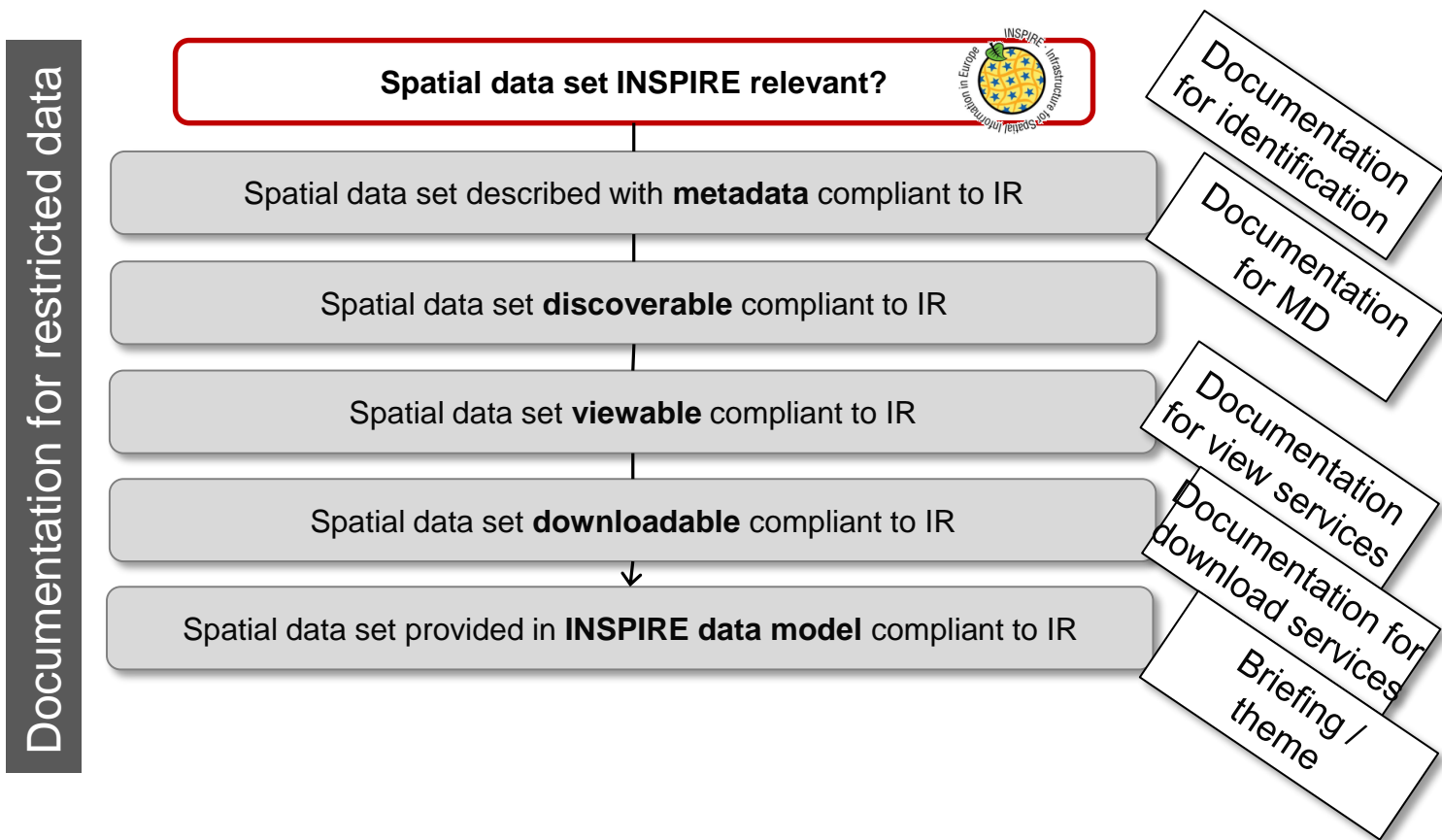


17 laws at federal level and within 16 „Laender“



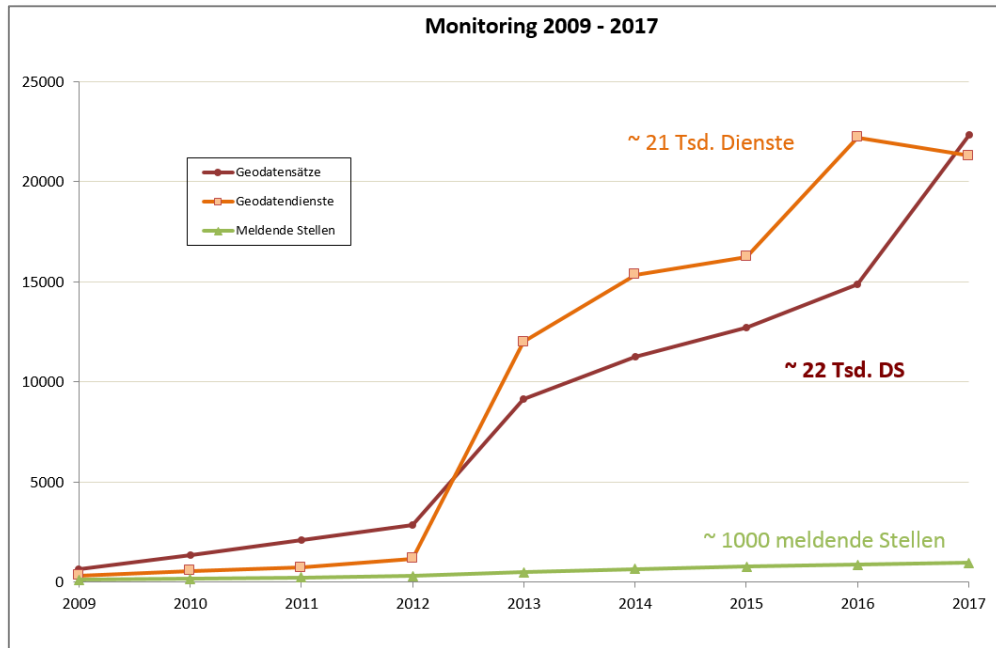
INSPIRE roadmap





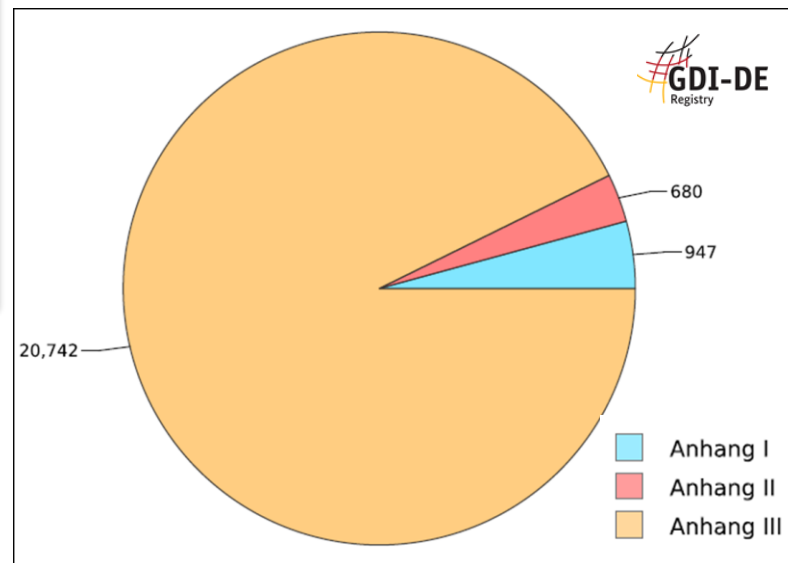
Monitoring 2017 - DE

Status Identification

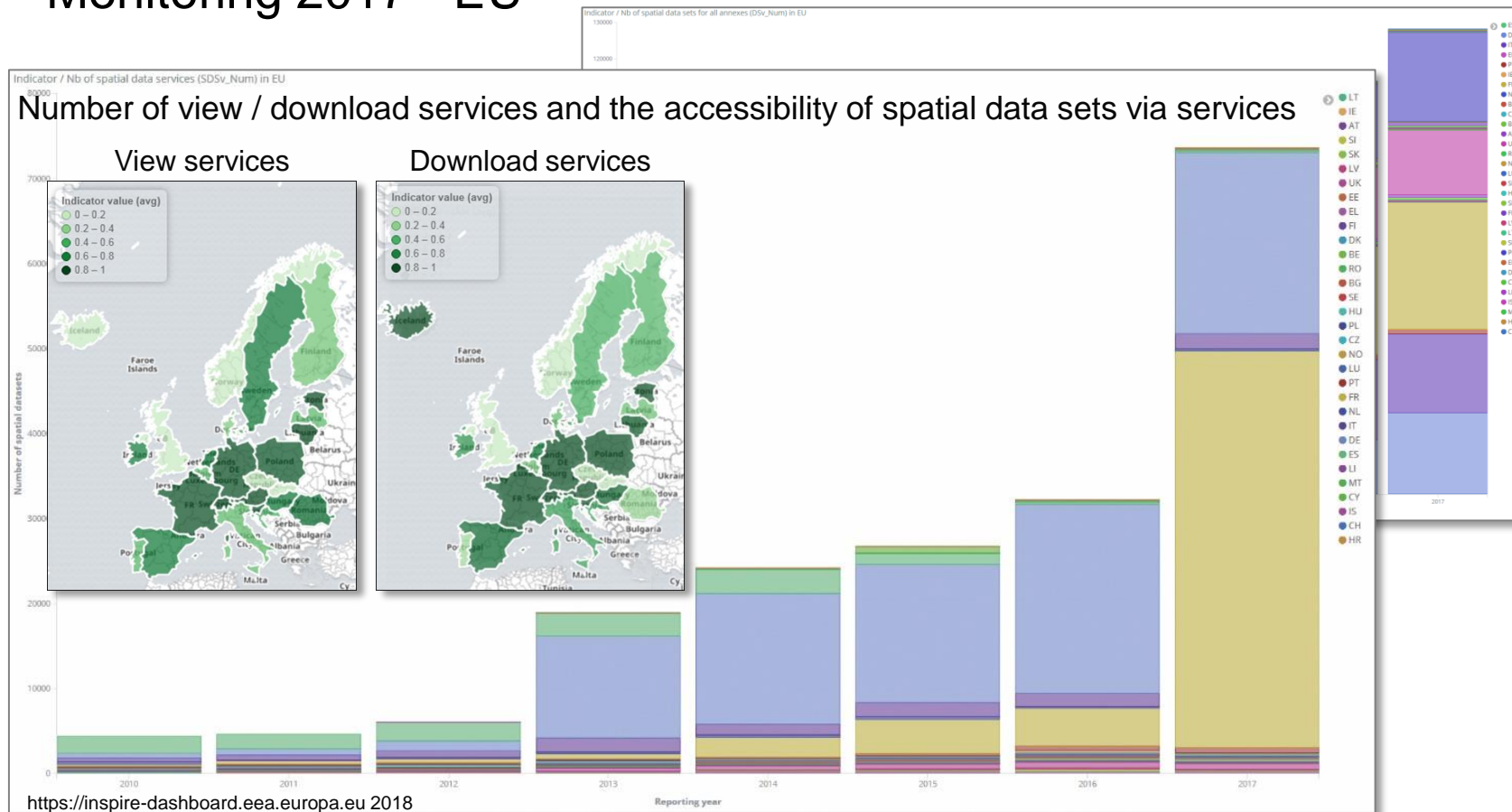


Quelle: Kst. GDI-DE 2018

Data sets per Annex




Monitoring 2017 - EU



Availability and INSPIRE Geoportal Thematic Viewer

INSPIRE Thematic Viewer

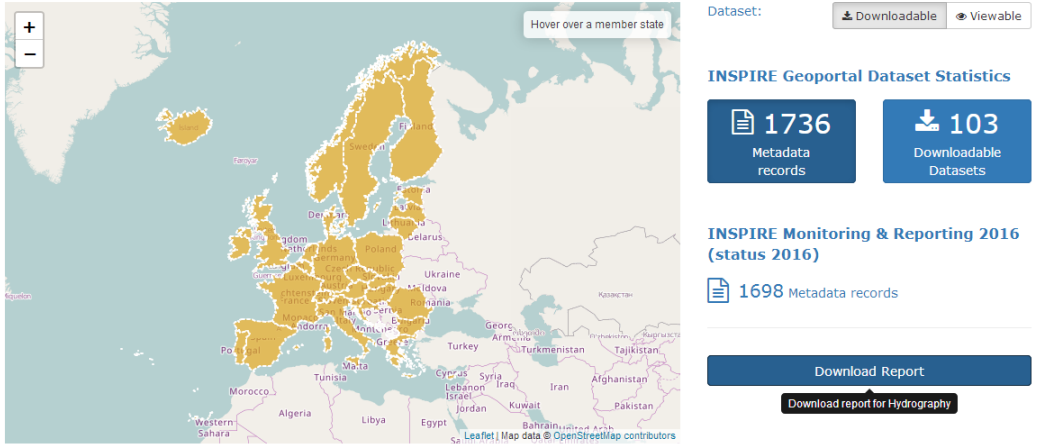


Credits: Map data: Google | Map style: snazzymap | Icon: INSPIRE

The application displays the availability and provides access to all EU MS data sets falling under the scope of INSPIRE Directive filtered by data themes and countries (i.e. Annex I, II and III).

[Browse INSPIRE Thematic Data Sets](#)

Datasets - Hydrography of Europe



Dataset: Downloadable Viewable

INSPIRE Geoportal Dataset Statistics

1736 Metadata records | 103 Downloadable Datasets

INSPIRE Monitoring & Reporting 2016 (status 2016)

1698 Metadata records

[Download Report](#)

[Download report for Hydrography](#)

Select a COUNTRY

Austria	Belgium	Finland	Latvia	Portugal
Hungary	Iceland	Ireland	Italy	Malta
Netherlands	Norway	Poland	Spain	Sweden
Switzerland	United Kingdom			


DE PS: 425 metadata / 82 direct downloads

INSPIRE Thematic Viewer

Explores INSPIRE data sets provided by EU Member States and EFTA countries. You can filter by spatial data theme (from Annex I, II and III) and country. The Thematic Viewer provides statistical overviews of data set availability as well as simplified access to view or download selected data sets.


Browse INSPIRE Data Sets:

Country overview



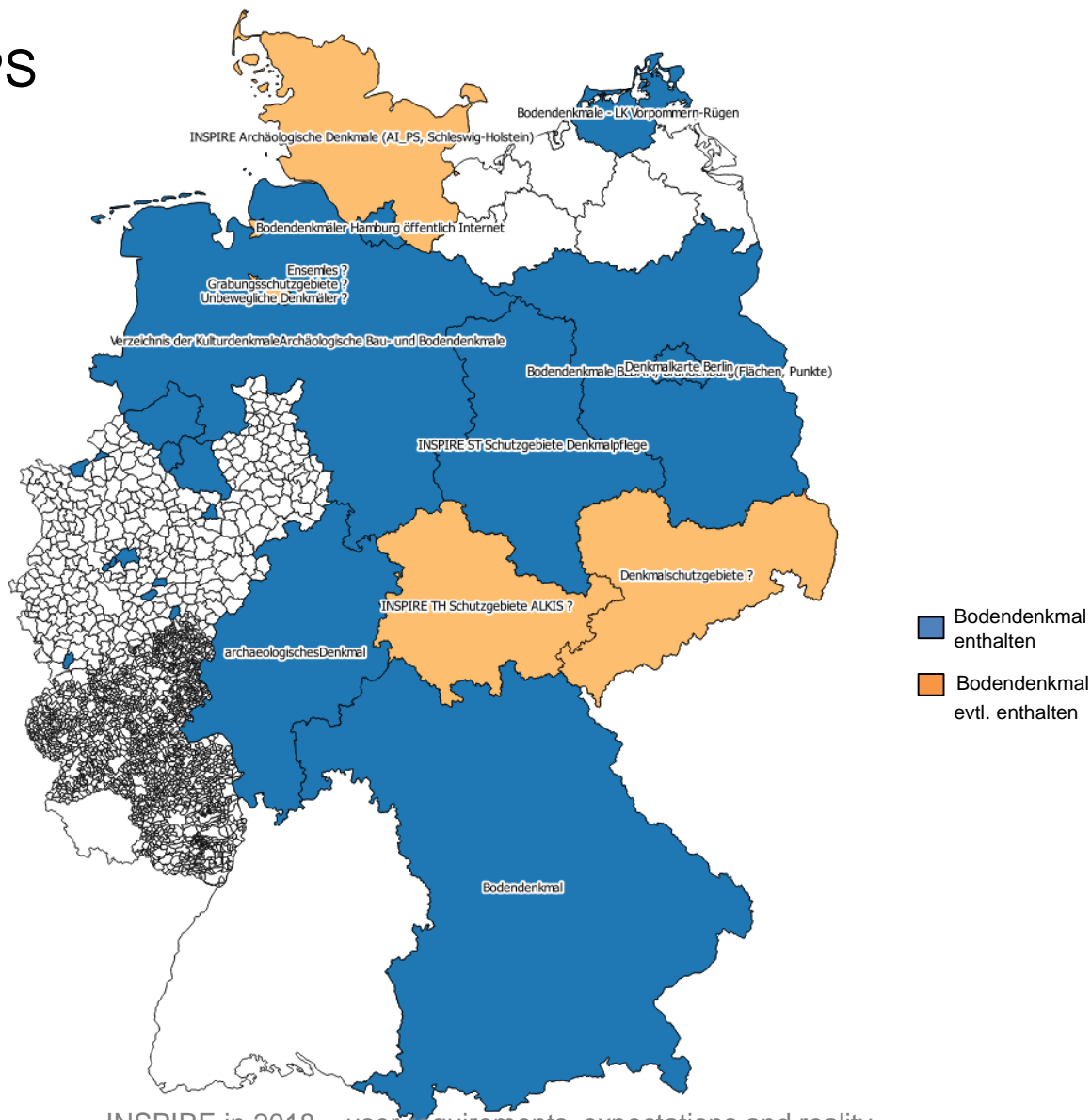
Availability of INSPIRE data sets grouped by individual EU & EFTA countries

INSPIRE Data Themes



Availability of INSPIRE data sets grouped by INSPIRE data themes

Example PS



Increasing demand for spatial information

National level

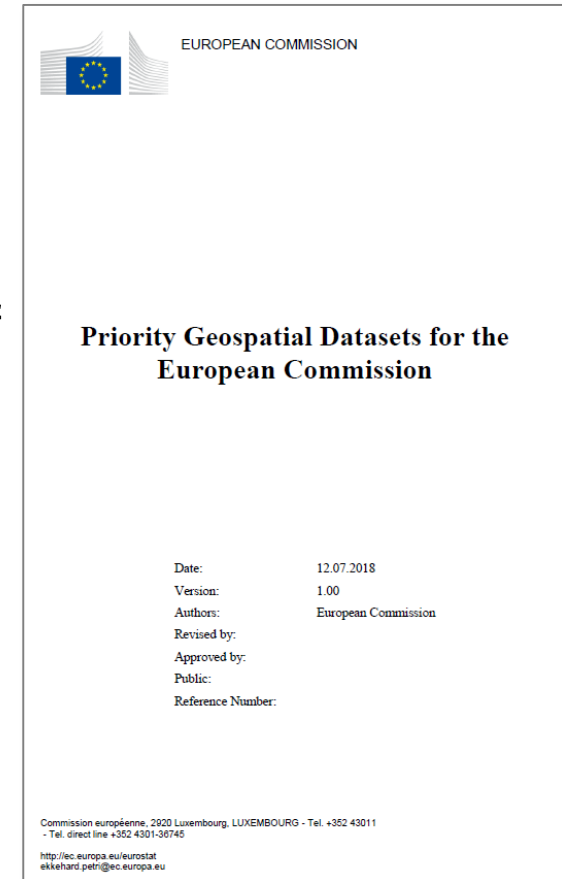
- Central access point for reference and sectoral data
- Collaboration platform; coordinated service provision
- Contribution to digitalisation
- Contribution to sustainable development
- Interconnection / Linking
- Quality assurance and transparency
- ...

EU-level

- EU-Directives (Mobility, ...)
- EU-Reporting (→ priority data sets)
- UN sustainable development goals
- ...

Example European Commission

- Consolidated and consistent overview of Commission user needs
- Cross-cutting and domain specific requirements of the EC for EU wide geospatial information and data products
- Support to Sustainable Development and other EU policies.



- “The ultimate goal is to have harmonised national datasets from Member States that can be combined into consistent EU wide data sets without or limited further processing.”
- “The goal is that the Commission can integrate national data into pan-EU datasets consuming national INSPIRE services without the need to harmonise the data in terms of spatial and attributes quality.”
- “There is a growing trend to ‘open data’ is evident on the European scale. This is fully in line with the principles of INSPIRE and its main requirement to make data accessible.” (EC 2018, pp. 20)

■ ...

→ Expectations could not easily be fulfilled by current INSPIRE



https://cdn.pixabay.com/photo/2016/09/01/08/24/smiley-1635448_960_720.png

- “The final vision”
- Creation and availability
- Semantically and spatially harmonised
- Interoperable
- Pan-European datasets
- Based on existing open services/data
- Available from Member States



https://cdn.pixabay.com/photo/2018/01/14/22/59/cartoon-3082809_960_720.png

- Shortcomings
 - Quality: scale, thematic coverage, temporal coherence
 - Access and use conditions: fees and rights to re-disseminate
 - Reactivity: speed at which new data requirements from EU services can be met
 - Harmonisation: differences in the implementation and interpretation of INSPIRE make the compilation of pan-EU products difficult without further harmonisation work
 - Availability of download services

- Gap between expectations and reality of INSPIRE
- Shortcomings seem to be outside of current INSPIRE regulation
- Vision very ambitious – is it achievable?



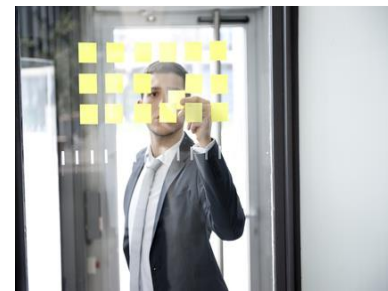
- INSPIRE is one step – there are more steps/more components necessary to fulfil the vision
- INSPIRE can contribute to specific solutions users need – but not deliver generic use-case products

- For the first time there are specific expectations and requirements for use cases verbalised by a central user of INSPIRE data
- Important to understand INSPIRE as a first step towards the envisioned data harmonisation across the Member States
- EC data requirements:
 - Additional Member State efforts?
 - Mandate EuroGeographics, industry or other stakeholders to provide those harmonised data and services on their behalf?
 - EC services?



- Can be useful to show proof of INSPIRE benefit

...not a per se solution for current INSPIRE



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- With such a use case INSPIRE potentially can adapt to the new situation and shortcomings and set its course for the future
- More steps and more components are necessary to provide harmonised user-oriented products and to generate significant benefit of a common European spatial data infrastructure



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Thank you for your attention!

Contact

Coordination Office SDI Germany

Federal Agency for Cartography and Geodesy

Richard-Strauss-Allee 11

60598 Frankfurt

Contact person

Nicolas Hagemann

mail@gdi-de.org

Tel. +49 (0) 69 6333-258

www.gdi-de.org | www.geoportal.de | https://twitter.com/GDI_DE