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Introduction

The INSPIRE Directive sets the minimum conditions for interoperable sharing and exchange of spatial data across Europe as part of a larger European Interoperability Framework and the e-Government Action Plan that contributes to the Digital Single Market Agenda. Article 21 of [INSPIRE Directive](#) defines the basic principles for monitoring and reporting. More detailed implementing rules regarding INSPIRE monitoring and reporting have been adopted as [COMMISSION DECISION regarding INSPIRE monitoring and reporting](#) on the 5th of June 2009.

This country fiche highlights the progress in the various areas of INSPIRE implementation and presents an outlook of planned actions for further improvement of the INSPIRE implementation. The country fiche includes information **until May 2019** as an update of the information acquired through:

- member states update,
- [monitoring report](#) in May 2019.

State Of Play

A high-level view on the governance, use and impact of the INSPIRE Directive in Hungary. More detailed information is available on the [INSPIRE knowledge base](#).

Coordination

National Contact Point

Name of Public Authority: Department of Land Administration, Ministry of Agriculture, Hungary

Contact Email: [Click to email](#)

National INSPIRE Website: <http://www.kvvm.hu/index.php?pid=9&sid=50&cid=300>

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Contact Person: Piroska Zalaba

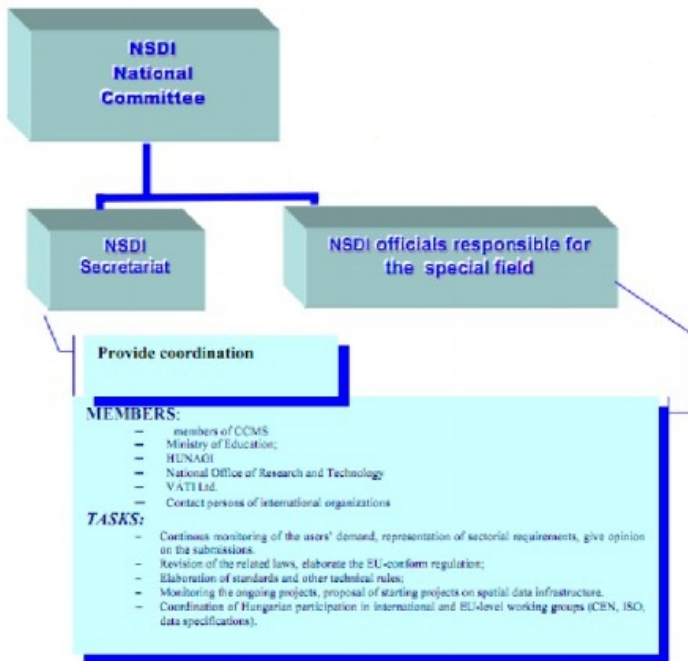
Email: piroska.zalaba@am.gov.hu

MIG T Contacts: Contact Person: Gyula Iván

Email: gyula.ivan@lechnerkozpont.hu

Contact Person: Tamás Palya

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Coordination Structure & Progress:

- National Contact point

Name of the public authority	Agrárminisztérium
Contact information:	
Mailing address	1055 Budapest, Kossuth Lajos tér 11. HUNGARY
Telephone number	+36-1-795-2000
Telefax number	+36-1-795-0200
Email address	info@am.gov.hu
Organisation's website URL	http://www.kormany.hu/hu/foldmuvelesugyi-miniszterium
Contact person (if available)	Ms Piroska ZALABA
Telephone number	+36-1-795-2202
Email address	piroska.zalaba@am.gov.hu
Contact person - substitute (if available)	Mr Tamás PALYA
Telephone number	+36-1-460-4091
Email address	tamas.palya@lechnerkozpont.hu

- Coordination Structure

- Progress

- The National Coordination Body founded in sense of Art. 10 of the National Environmental Information System for supporting the INSPIRE Directive was disbanded on 29/05/2010. The Ministry for Agriculture plays the role of the National Contact Point with the support of the Central Surveying and Geoinformation State Organisation of Hungary.
- The implementation of the INSPIRE Directive is actively supported by HUNAGI (Hungarian Association for Geographic Information), which is an NGO. Every year within the period of 2013-2015 HUNAGI organised a conference prompting INSPIRE

- in order to strengthen the collaboration of local and central governments, other bodies of public sector, academia, and industry.
- Hungary is lagging behind in INSPIRE implementation. Following the visit of DG Environment Hungary prepared an action plan on accelerating the progress.

Functioning and coordination of the infrastructure

- Currently no national SDI with harmonised rules exists in Hungary. Each sector handles data according to their own regulations in force. There is no regulation that requires the harmonisation of data, metadata, access, etc. at national level.
- Art. 36 of Regulation XLVI/2012 on national surveying and mapping set the establishment of the national SDI. The implementing rules of the Regulations are currently being drafted.
- By April of 2016 the organisations responsible for the INSPIRE data themes have been identified.
- Many different data portals have been put in place, but the services are not harmonised.
- End of 2016 the new Hungarian INSPIRE metadata portal (<https://inspire.gov.hu>) was created and registered in the INSPIRE geoportal. The portal is collecting (harvesting) the INSPIRE metadata from the data provider. The existing services for INSPIRE themes are available through the local portals and websites.
- The Central Surveying and Geoinformation State Organisation of Hungary implemented a coordinate transformation service between the unified national projection system (EOV) and ETRS89. The service can be used without charges.

Usage of the infrastructure for spatial information

- The Mining and Geological Survey of Hungary as well as the Central Surveying and Geoinformation State Organisation of Hungary participated in a big number of project where the data exchange was implemented according to the rules of INSPIRE or aim at elaborating common technical specifications for data exchange (MIN4EU, EGIP, MIN4EU, EGIP, GIS4EU, ESDIN, HUMBOLDT, EURADIN, EULEF).

Data sharing arrangements

- Regulation XLVI/2012 on national surveying and mapping prescribes payments for data exchange between all parties, comprising public authorities. There are only a few exceptions stated by the regulation (disaster management, and in a limited extent education and research). Against payment the data are accessible.
- The Central Surveying and Geoinformation State Organisation of Hungary and the Forestry Directorate of the National Food Chain Safety Office (NÉBIH) have agreed about the mutual exchange of orthoimagery and the forestry databases.

Costs and benefits

- National topographic and cadastral mapping does not receive budgetary contribution; all the costs of production and maintenance must be covered by own revenues generated by the services and data usage.
- In the past years the Mining and Geological Survey of Hungary spent around 5 (engineer level) person years on transforming their data and services in INSPIRE compliant ones.
- Being INSPIRE compatible allows to participate in more European integration projects.

Key facts and figures

In addition to the above mentioned issues, the implementation of INSPIRE Directive requires Member States to take four main steps in relation to management of spatial datasets which fall under the Directive:

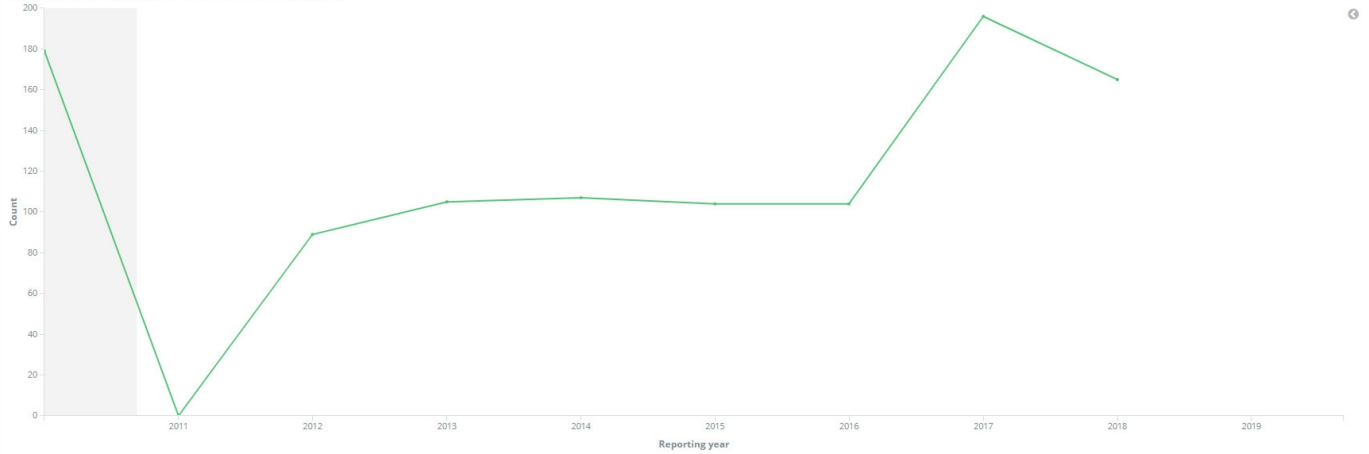
- Step 1: Identify spatial datasets
- Step 2: Document these datasets (metadata)
- Step 3: Provide services for identified spatial datasets (discovery, view, download)
- Step 4: Make spatial datasets interoperable by aligning them with the common data models.

The key facts and figures presented in this country fiche are based on the information provided by Hungary on the [INSPIRE dashboard](#). **The provided statistics is not reflecting the data available on INSPIRE geoportal.** The INSPIRE geoportal is updated on a regular and ongoing basis, whilst the INSPIRE dashboard is typically updated after every reporting round, on a yearly basis.

The conformity of the implementation is assessed against the full set of legal specifications set out by the Directive and the Implementing Rules and the commonly agreed good practices set out by the technical guidelines.

Identification of spatial data with relevance to the environment (step 1)

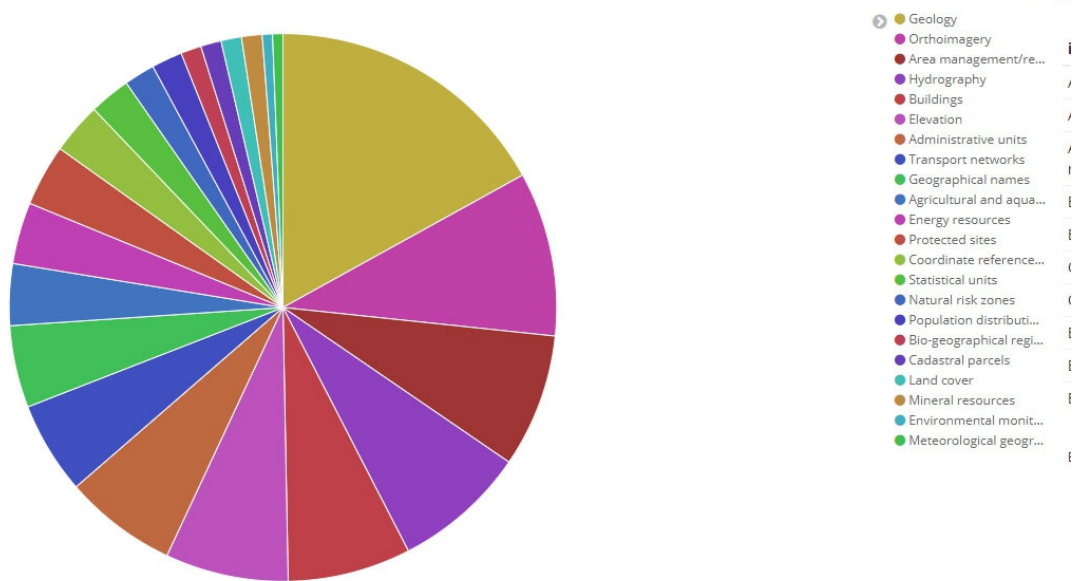
Indicator / Number of spatial data sets for all annexes (DSv_Num)



Country fiche / datasets by annex

Data sets made available per INSPIRE theme (reference year 2018)

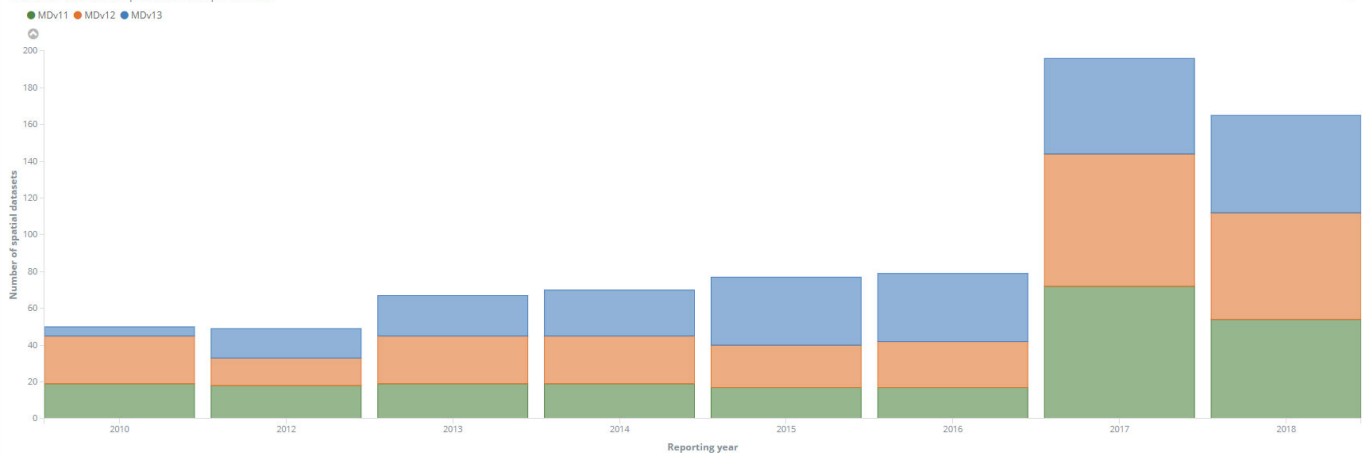
INSPIRE Raw data (datasets) by themes



Country fiche / datasets by themes

Data sets made available per INSPIRE theme

Indicator / Number of spatial data sets per annexes



Country fiche / Documentation of the data

MDv1.1: number of spatial data sets for Annex I that have metadata

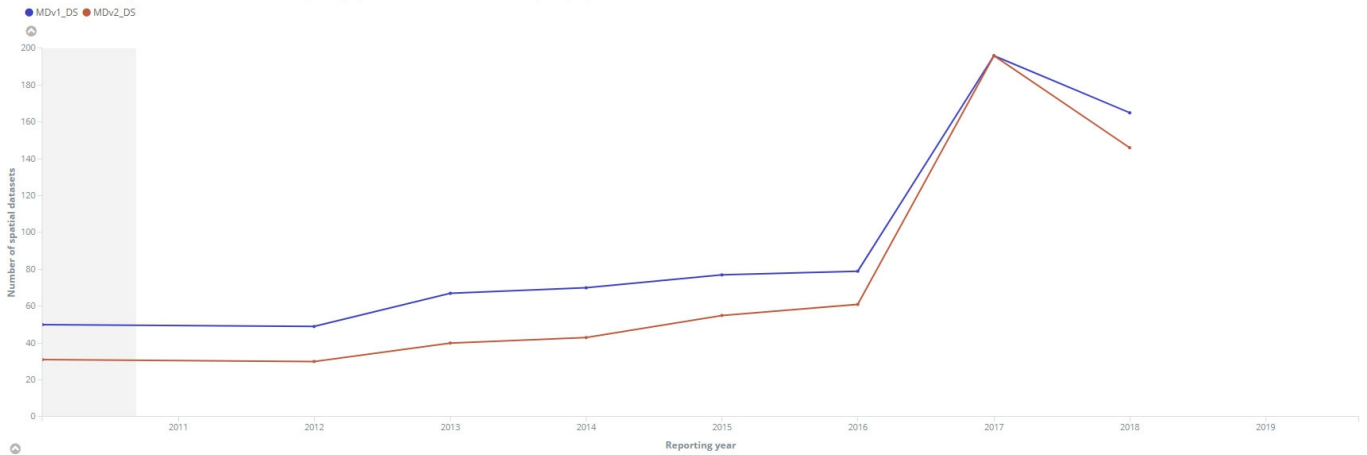
MDv1.2: number of spatial data sets for Annex II that have metadata

MDv1.3: number of spatial data sets for Annex III that have metadata

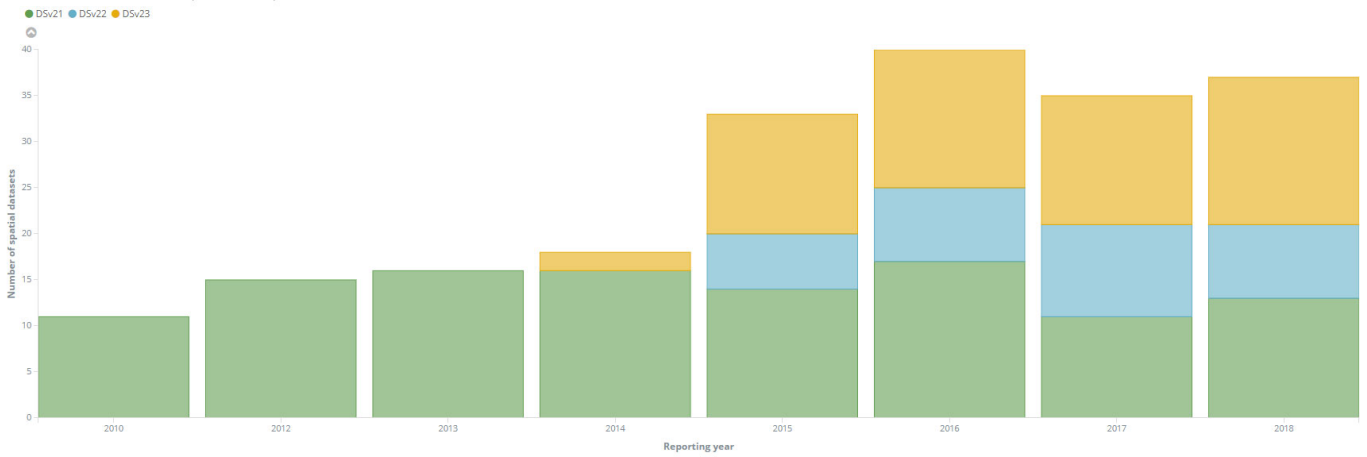
Documentation of the data (metadata) (step 2)

Evolution of documented data and conformity of the documentation

Indicator / Number of spatial data set that have metadata (MDv1_DS) and have conformant metadata (MDv2_DS)



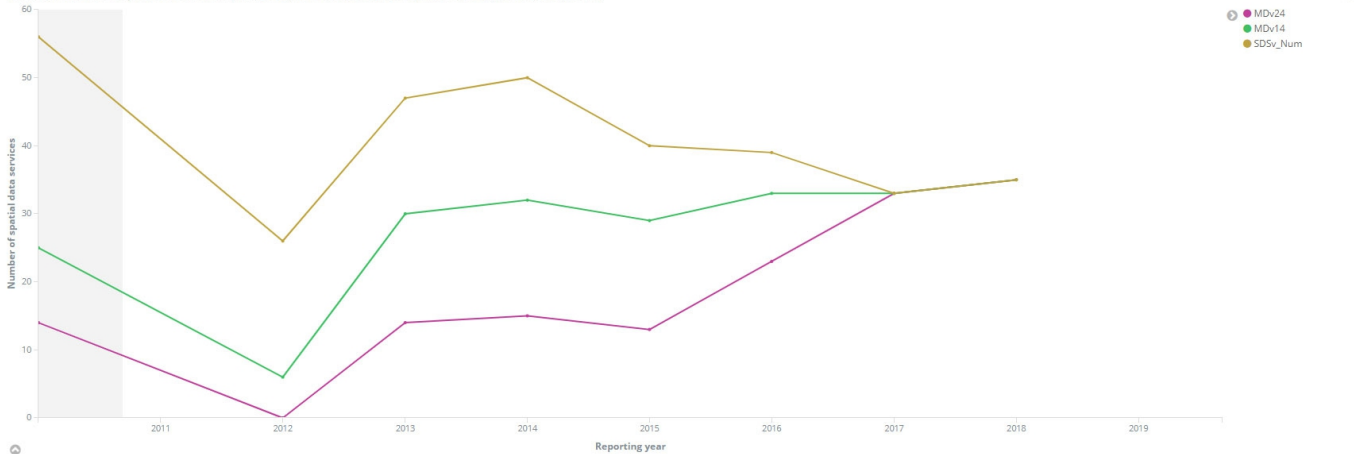
Indicator / Number of conformant spatial data sets per Annexes



Country fiche / Evolution of documented services and conformity of the documentation

Evolution of documented services and conformity of the documentation

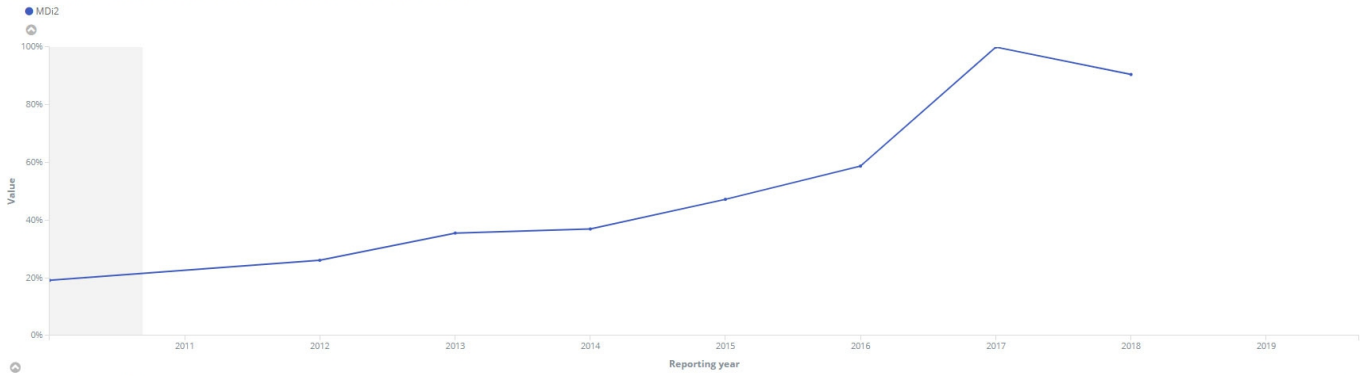
Indicator / Number of spatial data services (SDSv_Num) with metadata (MDv14) and conformant metadata (MDv24)



Country fiche / Evolution of the overall conformity of the documented metadata

Evolution of the overall conformity of the documented metadata

Indicator / Percentage of spatial data sets and services with conformant metadata (MDI2)

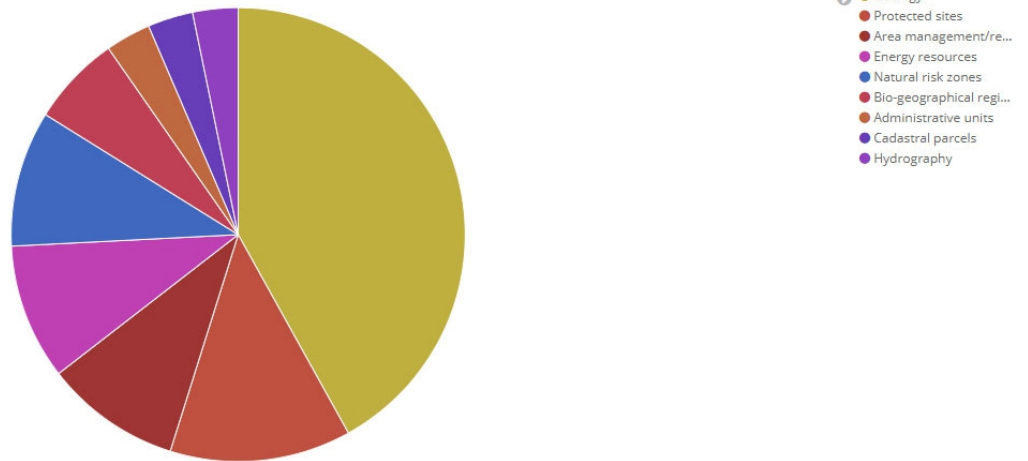


Country fiche / accessibility

Accessibility of the data through digital services (step 3)

Digitally accessible spatial data per INSPIRE theme (reference year 2018)

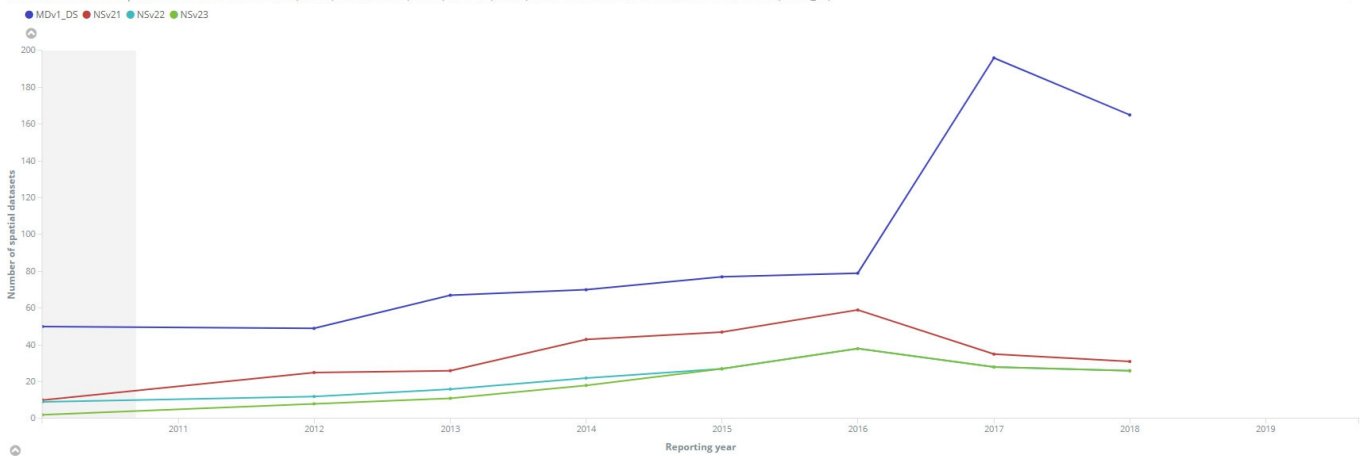
INSPIRE Raw data (datasets available through services) by themes

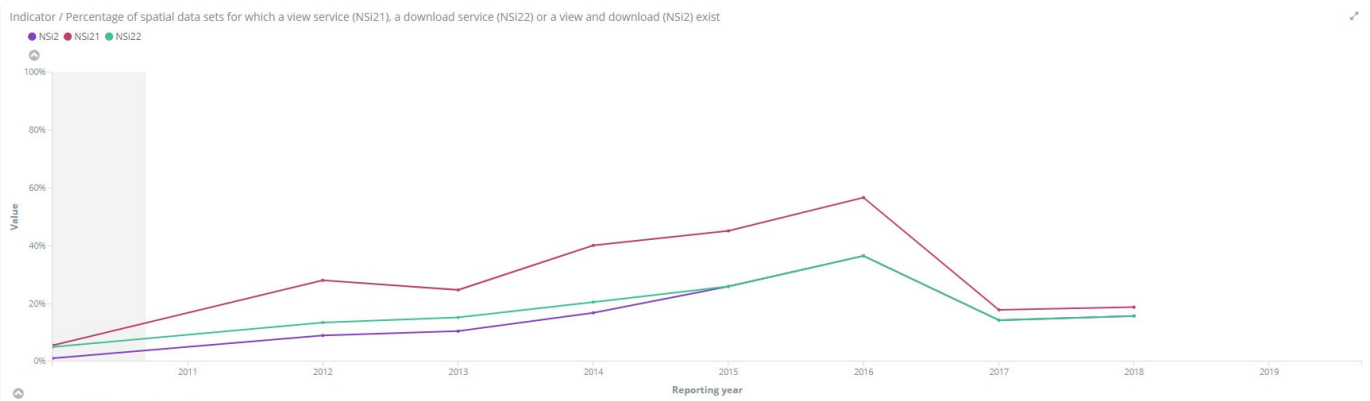


Country fiche / Evolution of spatial data accessible through services

Evolution of spatial data made accessible through digital services

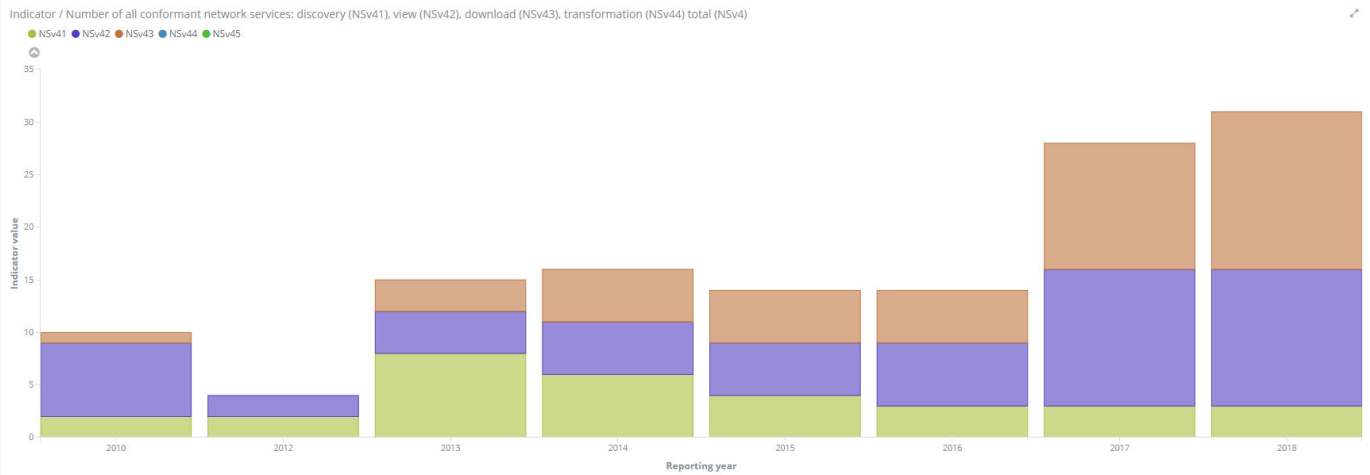
Indicator / Number of spatial data sets for which a view (NSv21) or download (NSv22) or both (NSv23) service exist and the total number of metadata (MDv1_ds)





Country fiche / Evolution of the conformity of the digital services

Evolution of the conformity of the digital services

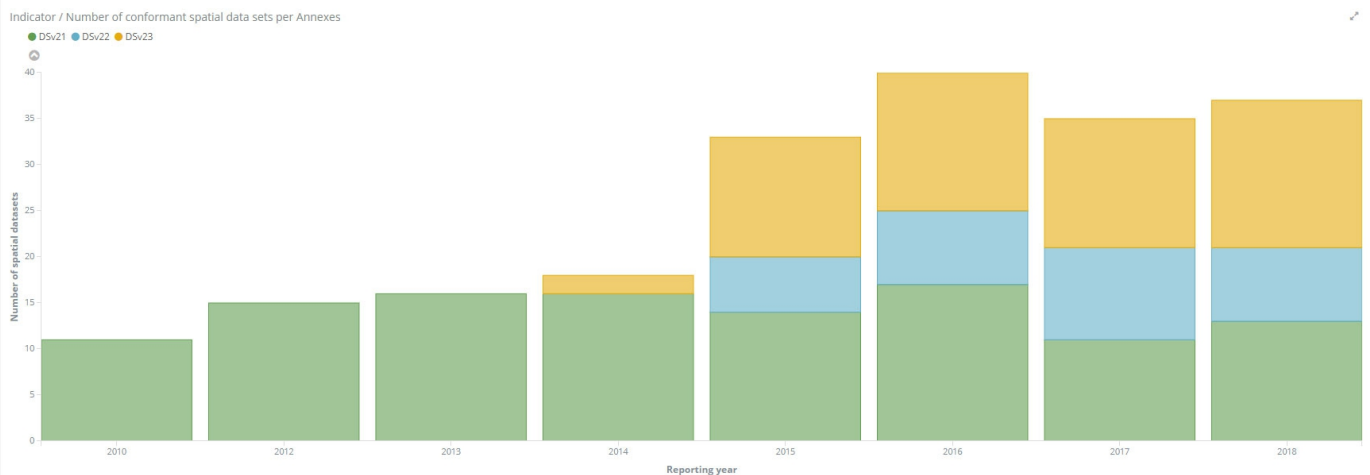


Country fiche / Interoperability

Interoperability of spatial data sets (step 4)

The interoperability of spatial data sets is an outlook on the readiness of Member States to make their spatial data interoperable according to the interoperability specifications laid down in the INSPIRE interoperability implementing regulation (Commission Regulation (EU) No 1089/2010 <http://eur-lex.europa.eu/legal-content/EN/TXT/?uri=CELEX:02010R1089-20131230&qid=1400675738563>). The deadlines for implementation of the spatial data interoperability are 23/11/2017 for Annex I data and 21/10/2020 for Annex II and III data.

Evolution of the conformity with INSPIRE interoperability specifications for spatial data



DSv2.1: number of conformant spatial data sets with conformant metadata for Annex I

DSv2.2: number of conformant spatial data sets with conformant metadata for Annex II

DSv2.3: number of conformant spatial data sets with conformant metadata for Annex III