

Table of Contents

- Introduction
- State of Play
 - Coordination
 - Functioning and coordination of the infrastructure
 - Usage of the infrastructure for spatial information
 - Data Sharing Arrangements
 - Costs and Benefits
- Key Facts and Figures.
 - Identification of spatial data with relevance to the environment (step 1)
 - Documentation of the data (metadata) (step 2)
 - Accessibility of the data through digital services (step 3)
 - Interoperability of spatial data sets (step 4)

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 Malta. More detailed information is available on the [INSPIRE knowledge base](#).

Coordination

National Contact Point

Name of Public Authority: Malta Information Technology Agency

Postal Address: Malta Information Technology Agency

Gattard House

Blata l-Bajda

Hamrun

Malta

Contact Email: [Click to email](#)

Telephone Number: +356 21234710

Telefax Number: +356 21234701

National INSPIRE Website: <https://msdi.data.gov.mt/>

MIG Contacts: Contact Person: Martin Saliba

Email: martin.j.saliba@gov.mt

Telephone Number: +356 21234710

Contact Person: Marica Xuereb

Email: marica.xuereb@gov.mt

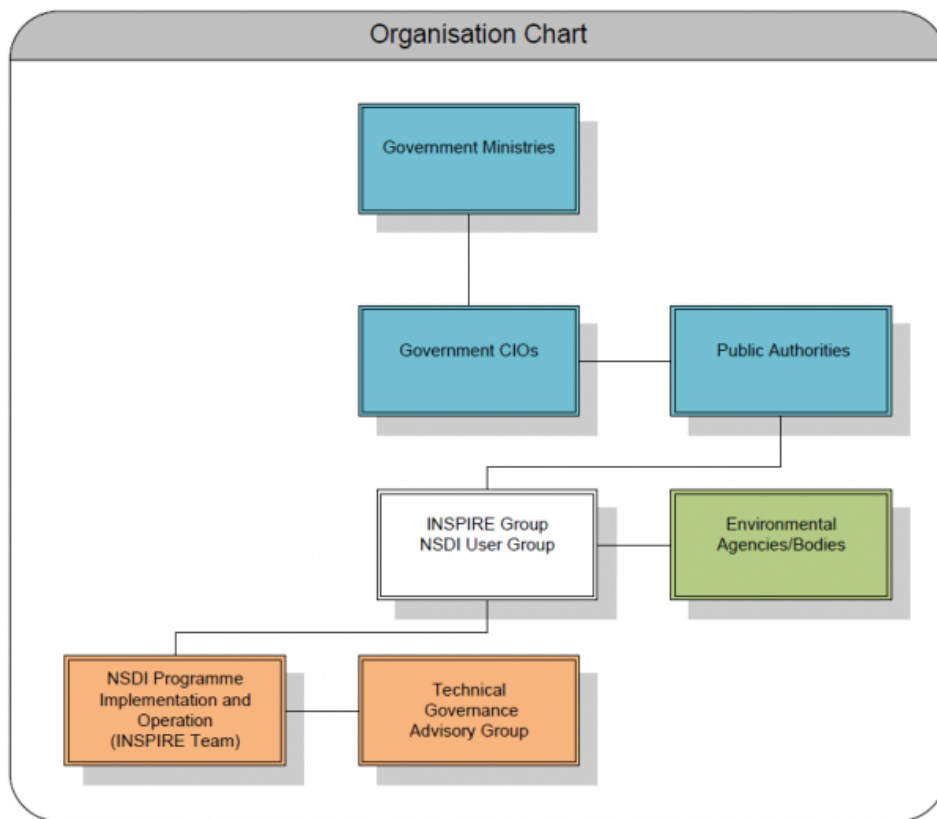
MIG T Contacts: Contact Person: Rene Agius

Email: rene.agius@gov.mt

Contact Person: Martin Saliba

Email: martin.j.saliba@gov.mt

Telephone Number: +356 21234710



Coordination Structure & Progress:

- **National Contact point**

Name of the public authority	Malta Information Technology Agency
Contact information:	
Mailing address	Malta Information Technology Agency Gattard House Blata I-Bajda Hamrun Malta
Telephone number	+356 21234710
Telefax number	+356 21234701
Email address	inspire.mita@gov.mt
Organisation's website URL	www.mita.gov.mt
Contact person (MIG-P Contact person)	Martin Saliba
Telephone number	+356 21234710
Email address	martin.j.saliba@gov.mt
Contact person - substitute (MIG-T Contact person)	Rene Agius
Telephone number	+356 21234710
Email address	rene.agius@gov.mt

- **Coordination Structure**

- **Progress**

- ■ MITA co-ordinates the implementation of the SDI programme. Through the Technical Governance Advisory group, it provides advisory services to the INSPIRE Team. The INSPIRE Team, which falls within MITA, is a multi-disciplinary team that provides the resources for the programme. The INSPIRE Team also has the main co-ordination function that brings together the members of the INSPIRE Group. The INSPIRE Group is a multi-disciplinary group which is made up of representatives from various entities including public authorities (data owners and data providers) and data consumers.

- MITA, being one of the largest ICT agencies in Malta, has established a very good working relationship with the Public Authorities contributing to the implementation of the INSPIRE Directive. Apart from this, MITA has a strong relation with other organisations contributing indirectly to this initiative, such as organisations co-ordinating and implementing the re-use of Public Service Information Directive, and other national strategies.
- Through the well-established structures and co-ordination of related initiatives, Malta has managed to achieve significant progress in the implementation of the INSPIRE Directive.

Functioning and coordination of the infrastructure

- The Malta Spatial Data Infrastructure (MSDI), found at <https://msdi.data.gov.mt>, is a portal that shares geospatial information through graphical user interface and web services to the general public, public service and public sector organisations.
- Further improvements were seen in data sharing and data/service compliance, when compared to previous analysis, considering that; a new spatial data infrastructure had to be established and the challenges encountered to gather and publish relevant geospatial data. The MSDI also acts as a common infrastructure that provides data sharing facilities to local public authorities that do not have a geospatial infrastructure.
- Apart from the available network services, the MSDI offers a simplified approach to data sharing and use through the provision of an online electronic form request (eGovernment's eForms), which automatically processes online requests for; metadata, download and view information.
- The Malta Planning Authority embarked on the SIntegraM (Spatial Data Integration for the Maltese Islands Spatial Data Integration for the Maltese Islands) project which is set to create a series of processes and services that will enable all data creators and guardians to conform to standardisation and INSPIRE requirements. This was achieved through activities such as the creation of a new base map, the programming of a re-projection tool that will convert the Maltese non-Earth GI datasets (the current standard status) and convert to projection requirements such as UTM WGS84, LAEA and any other requirement. SIntegraM also created dissemination tools and acquired hardware/software to enhance spatial data capture, analysis and dissemination.
- Data sharing awareness is continuously performed through information sessions to public authorities.
- Promotion on the use of the MSDI and general awareness of the INSPIRE Directive was made through the local media.
- Connection to the MSDI is continually ensured with the EC INSPIRE geoportal and access to the infrastructure, datasets and metadata is available through the EC geoportal.

Usage of the infrastructure for spatial information

- The use of the INSPIRE infrastructure and its corresponding datasets, enabled Malta to obtain a clear picture of its available spatial data and identify gaps to ensure a complete spatial infrastructure. It has also brought together a network of data providers with the aim of streamlining spatial requirements in the creation of new data. This can be seen from the diversified requests for use from the industry and academic sector.

Data sharing arrangements

- In order to have a common approach to data sharing agreements, MITA has established a set of data sharing guidelines to all government entities which serves as a common guide when creating agreements for data sharing. The guidelines are based on "INSPIRE Guidelines on the Regulation on access", "INSPIRE – Good practice in data and service sharing". Furthermore, these guidelines have evolved and initiatives have been set-up to transpose the guidelines into Government policy.
- All the current downloadable and viewable datasets within the Malta INSPIRE Geoportal (MSDI) are available at no cost.

Costs and benefits

- The estimated costs, covering the period from January 2016 till December 2018, consist of IT infrastructure costs €22500, interoperability/compliance cost €122200 and effort costs €450000. The effort cost includes an aggregation of the efforts used for administration and upkeep of the Malta geoportal, Monitoring and reporting, general co-ordination and support and co-ordination of horizontal measures.
- There are many benefits that can be derived from the implementation of the INSPIRE Directive, some of which include the relocation of spatial datasets in a central repository which facilitates data discovery, sharing and reuse of a common infrastructure.

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:

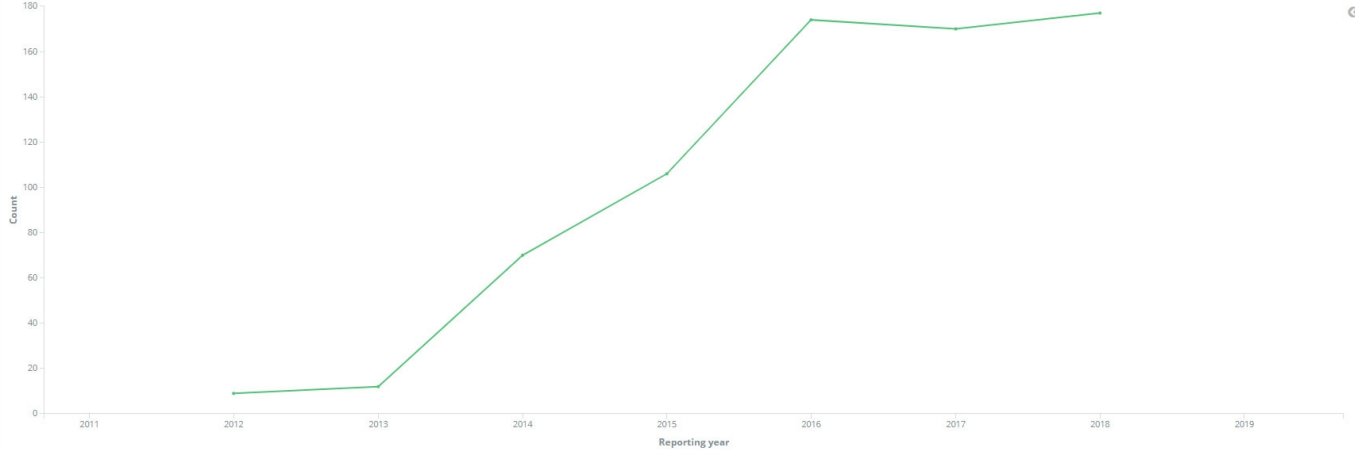
- Step 1: Identify spatial datasets
- Step 2: Document these datasets (metadata)
- Step 3: Provide services for identified spatial datasets (discovery, view, download)
- Step 4: Make spatial datasets interoperable by aligning them with the common data models.

The key facts and figures presented in this country fiche are based on the information provided by Malta 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)

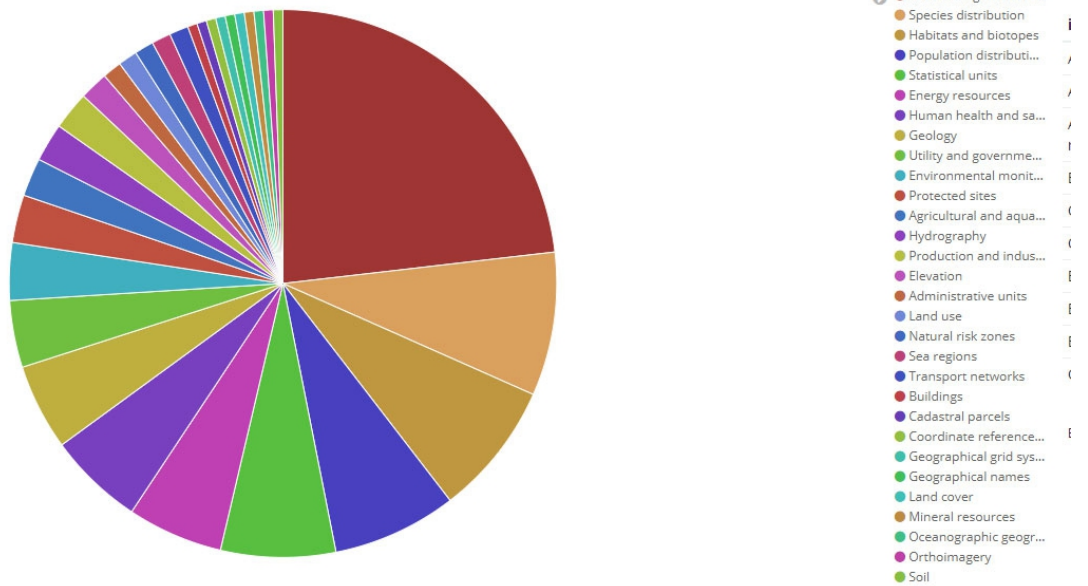
Indicator / Number of spatial data sets for all annexes (DSv_Num)



Country fiche / datasets by annex

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

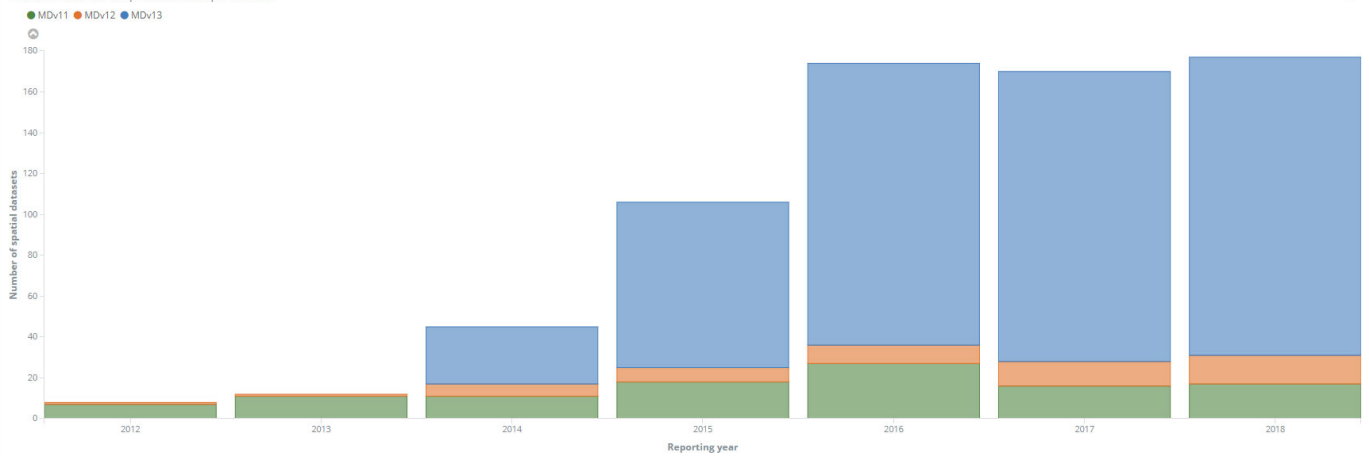
INSPIRE Raw data (datasets) by themes



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

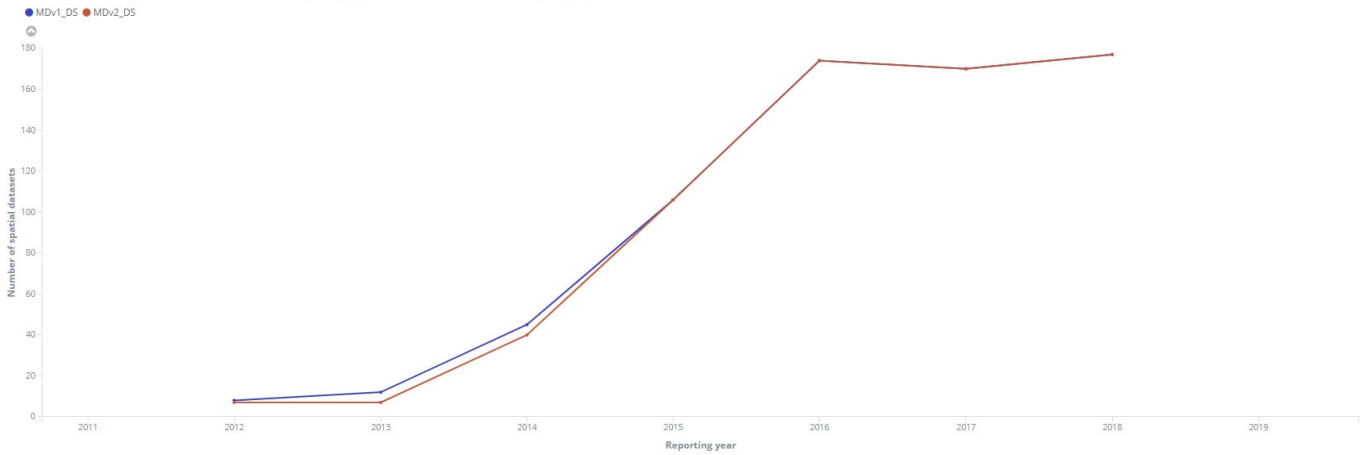
MDv1.2: number of spatial data sets for Annex II that have metadata

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

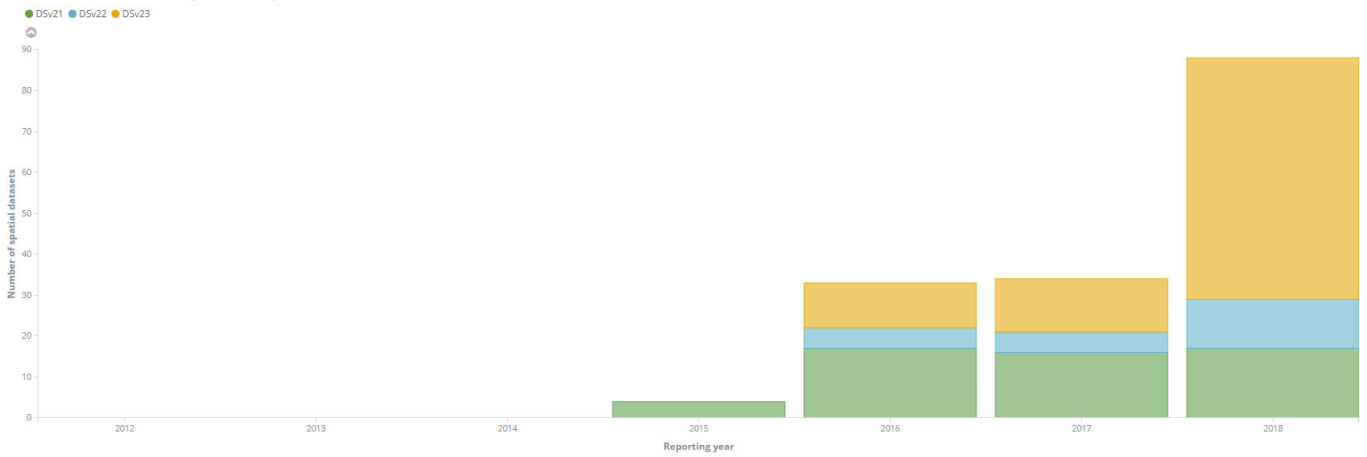
Documentation of the data (metadata) (step 2)

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)



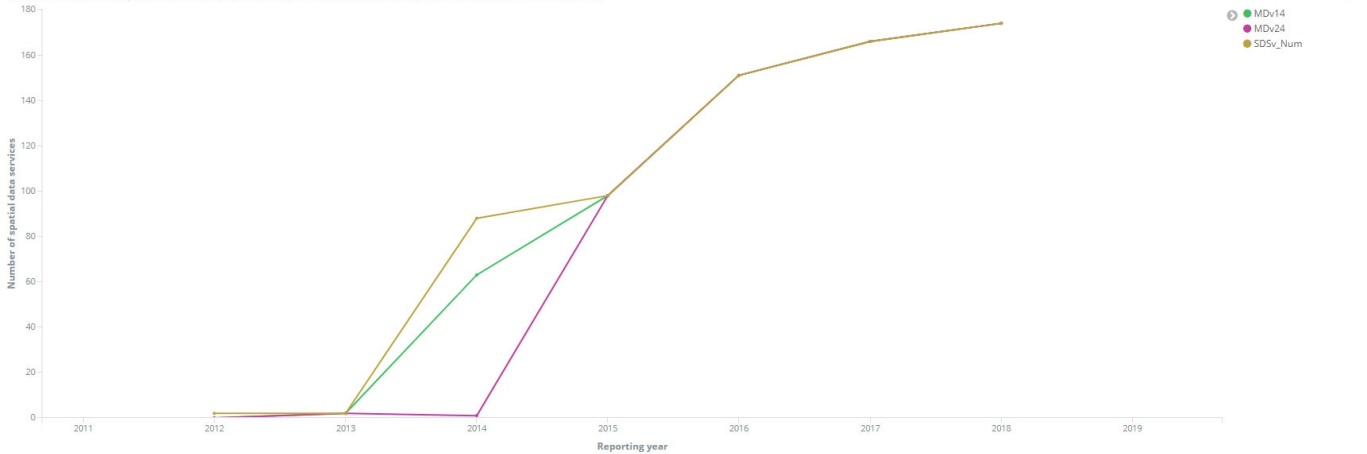
Indicator / Number of conformant spatial data sets per Annexes



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

Evolution of documented services and conformity of the documentation

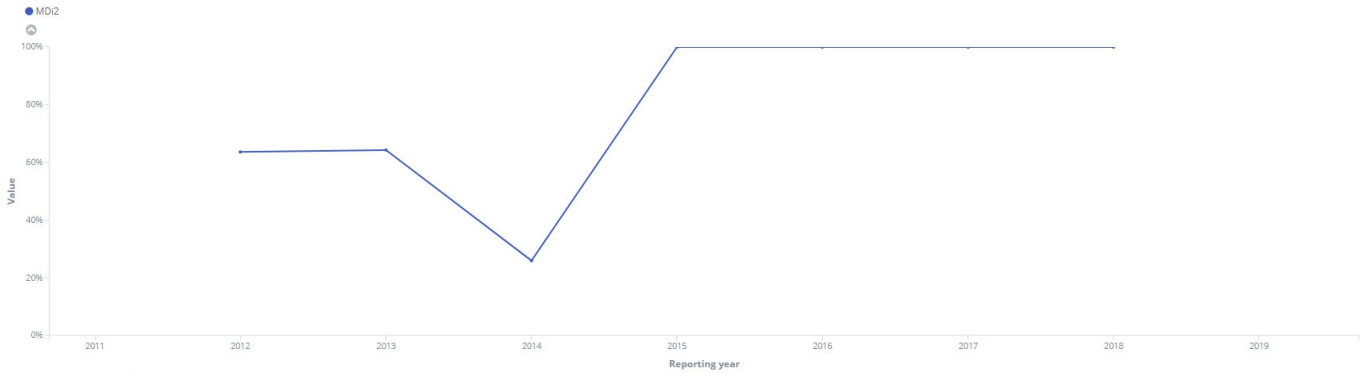
Indicator / Number of spatial data services (SDSv_Num) with metadata (MDv14) and conformant metadata (MDv24)



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)

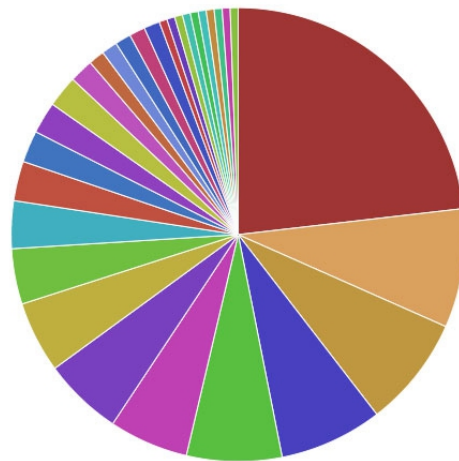


Country fiche / accessibility

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

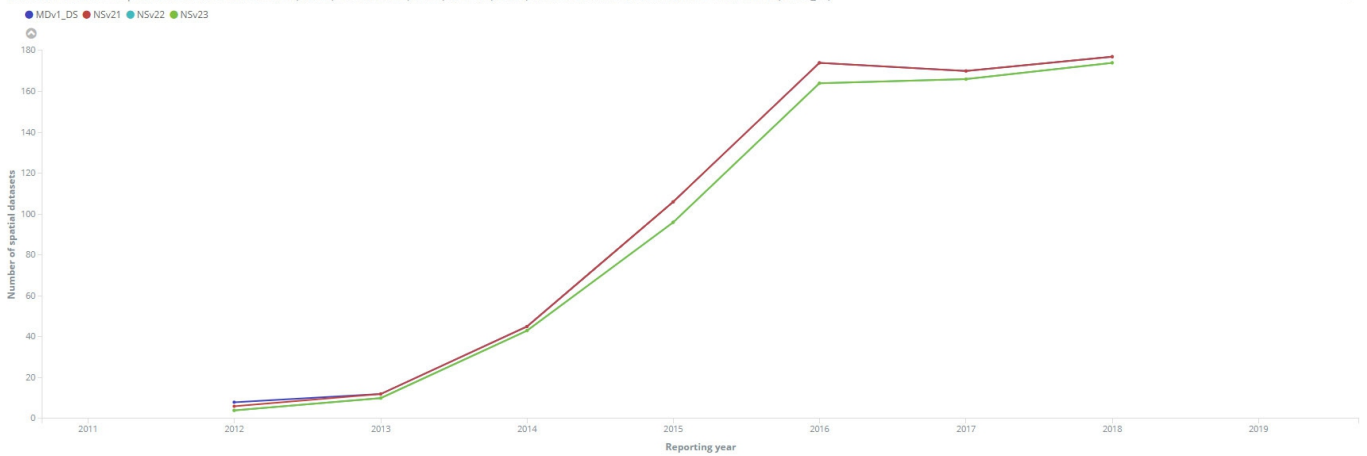


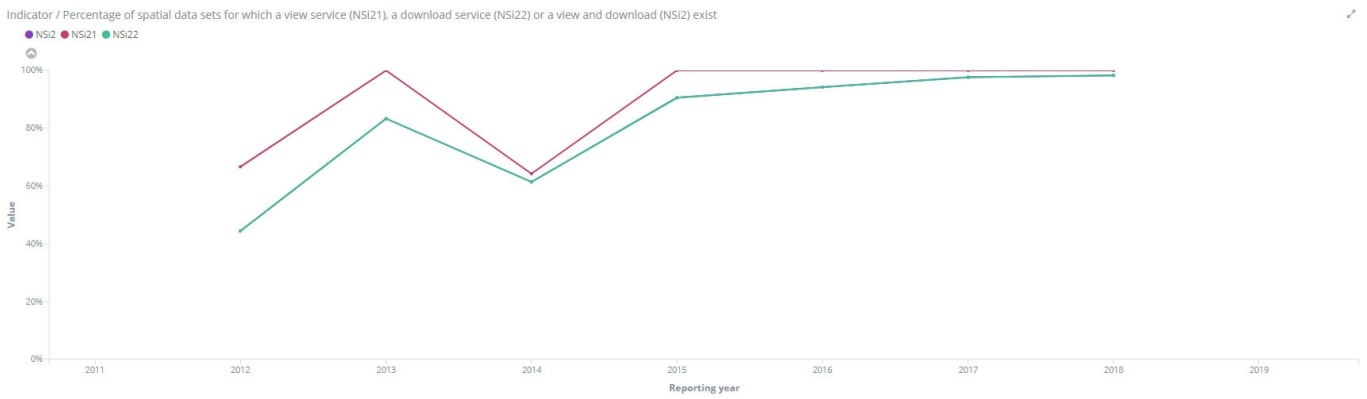
- Area management...
- Species distribution...
- Habitats and bioto...
- Population distrib...
- Statistical units
- Energy resources
- Human health an...
- Geology
- Utility and govern...
- Environmental mo...
- Protected sites
- Agricultural and a...
- Hydrography
- Production and in...
- Elevation
- Administrative units
- Land use
- Natural risk zones
- Sea regions
- Transport networks
- Buildings
- Cadastral parcels
- Coordinate refere...
- Geographical grid ...
- Geographical nam...

Country fiche / Evolution of spatial data accessible through services

Evolution of spatial data made accessible through digital services

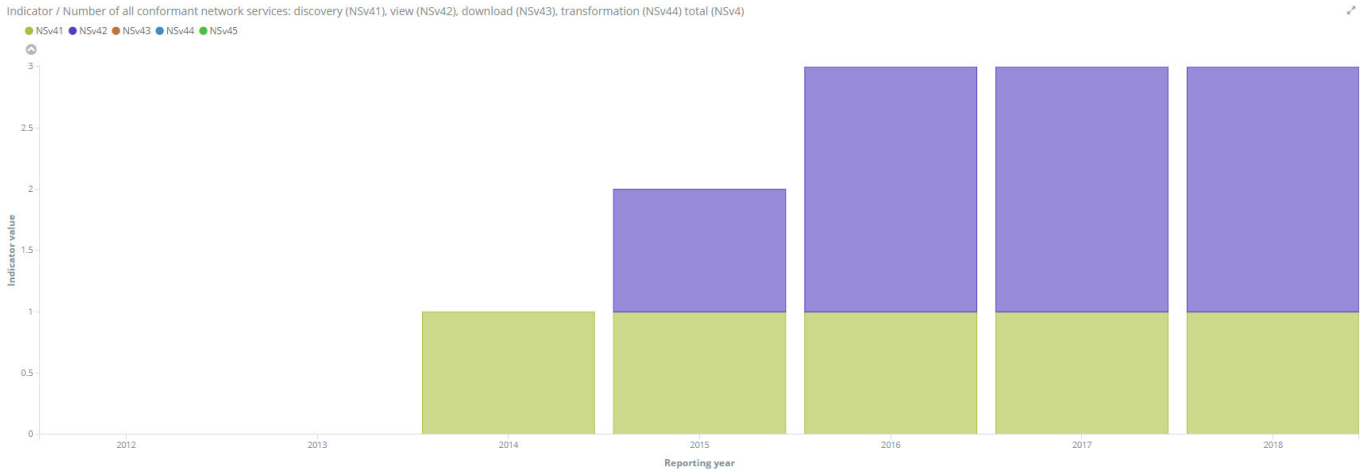
Indicator / Number of spatial data sets for which a view (NSv21) or download (NSv22) or both (NSv23) service exist and the total number of metadata (MDv1_ds)





Country fiche / Evolution of the conformity of the digital services

Evolution of the conformity of the digital services

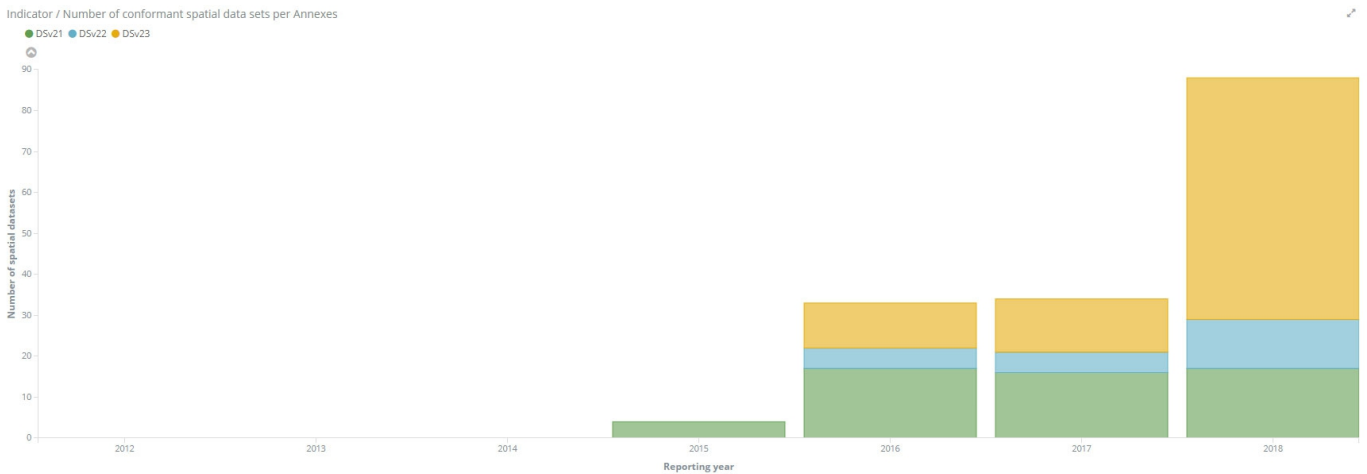


Country fiche / Interoperability

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