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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 of 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 2016** as a summary of the information acquired through:

- the 2016 [tri-annual INSPIRE implementation report](#),
- [monitoring report](#) in May 2016

State Of Play

Coordination

National Contact Point

Name of Public Authority: Kartverket

Contact Email: [Click to email](#)

National INSPIRE Website: <http://www.kartverket.no>

MIG Contacts: Contact Person: Dag Hogvard

Email: dag.hogvard@kmd.dep.no

MIG T Contacts: Contact Person: Arvid Lillethun

Email: Arvid.Lillethun@kartverket.no

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:

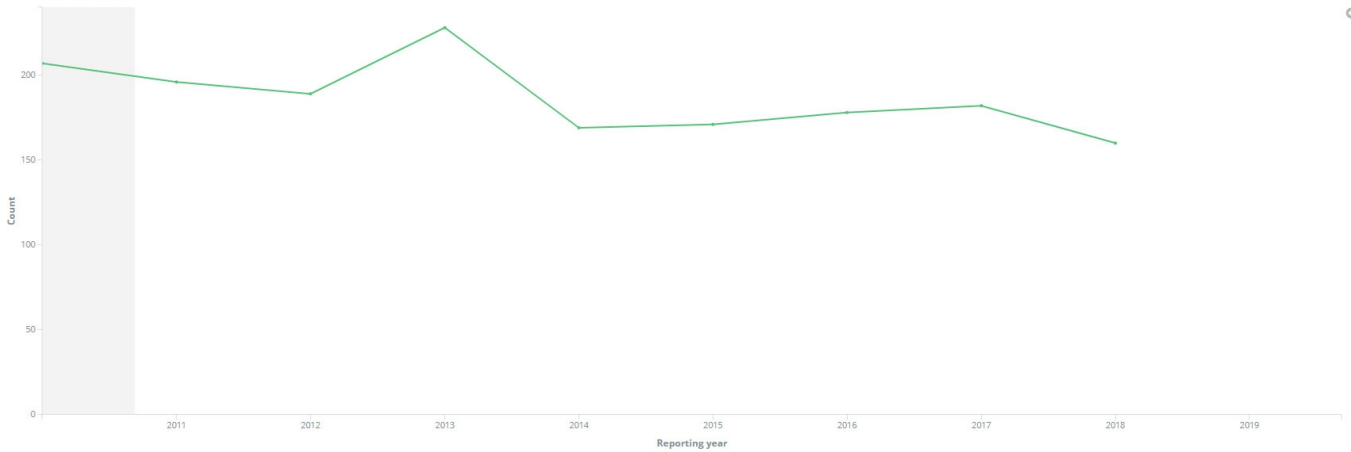
- Step 1: Identify spatial datasets
- Step 2: Document these datasets (metadata)
- Step 3: Provide services for identified spatial datasets (discovery, view, download)
- Step 4: Make spatial datasets interoperable by aligning them with the common data models.

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

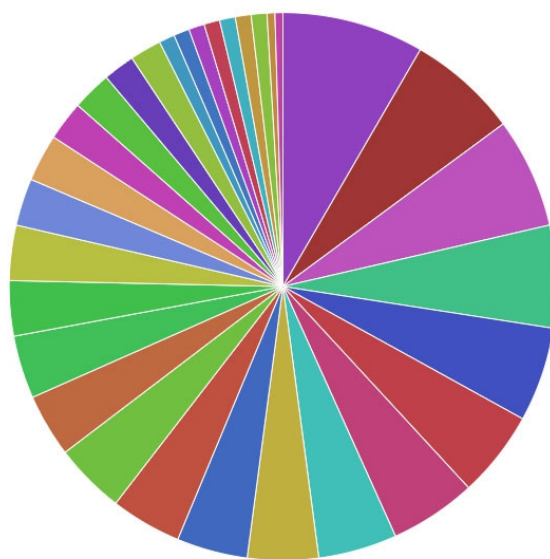
Indicator / Number of spatial data sets for all annexes (DSv_Num)



Country fiche / datasets by annex

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

INSPIRE Raw data (datasets) by themes

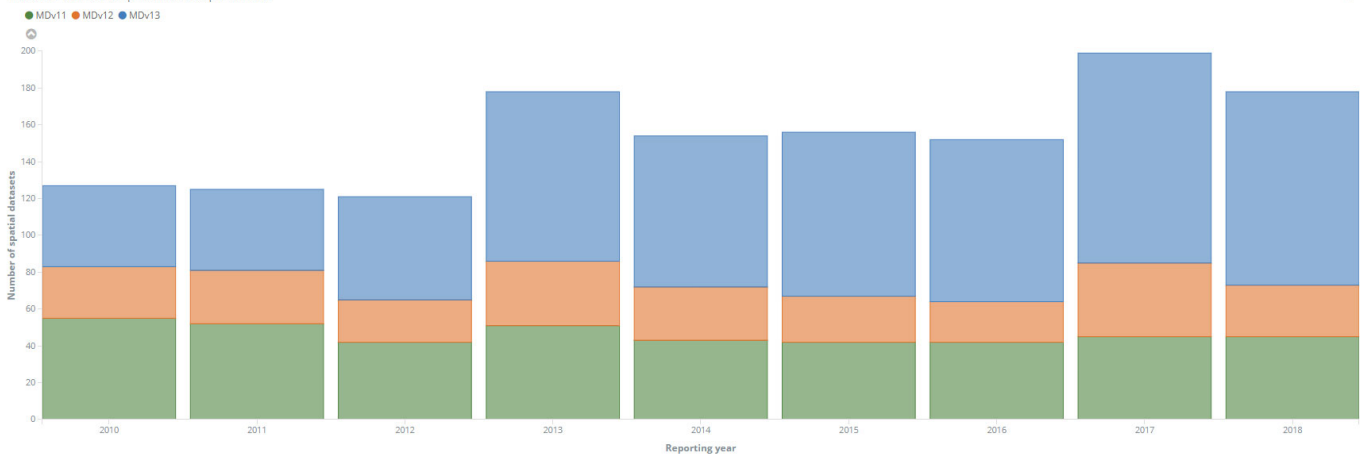


- Hydrography
- Area management...
- Elevation
- Oceanographic ge...
- Transport networks
- Buildings
- Sea regions
- Land cover
- Geology
- Natural risk zones
- Protected sites
- Utility and govern...
- Administrative units
- Geographical nam...
- Meteorological ge...
- Production and in...
- Land use
- Species distribution
- Energy resources
- Statistical units
- Cadastral parcels
- Coordinate refere...
- Addresses
- Agricultural and a...
- Atmospheric cond...
- Bio-geographical r...
- Environmental mo...
- Habitats and bioto...
- Soil
- Mineral resources

Country fiche / datasets by themes

Data sets made available per INSPIRE theme

Indicator / Number of spatial data sets per annexes



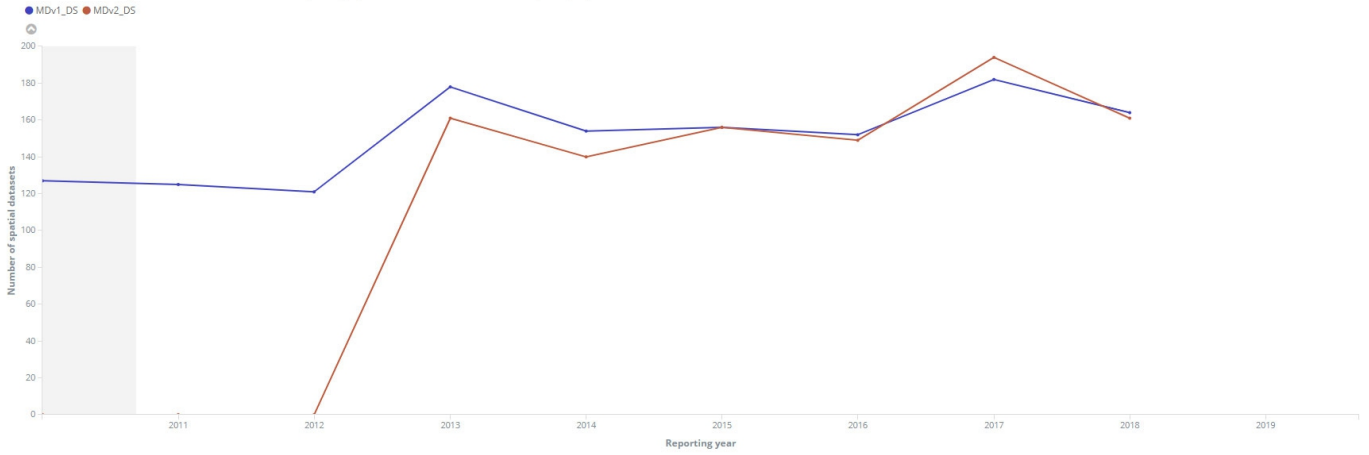
Country fiche / Documentation of the data

Caption Step 1

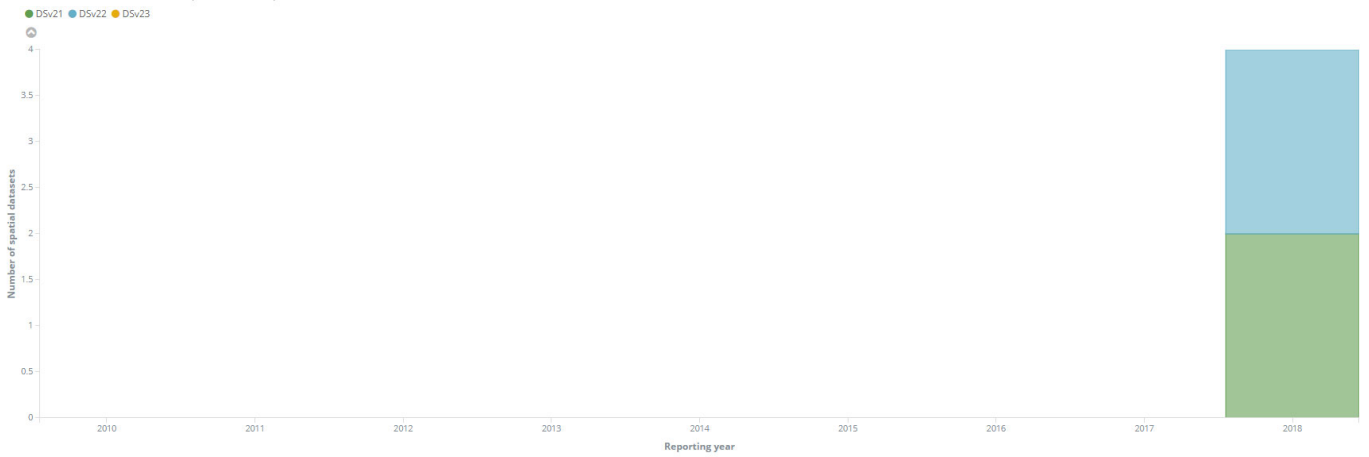
Documentation of the data (metadata) (step 2)

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)



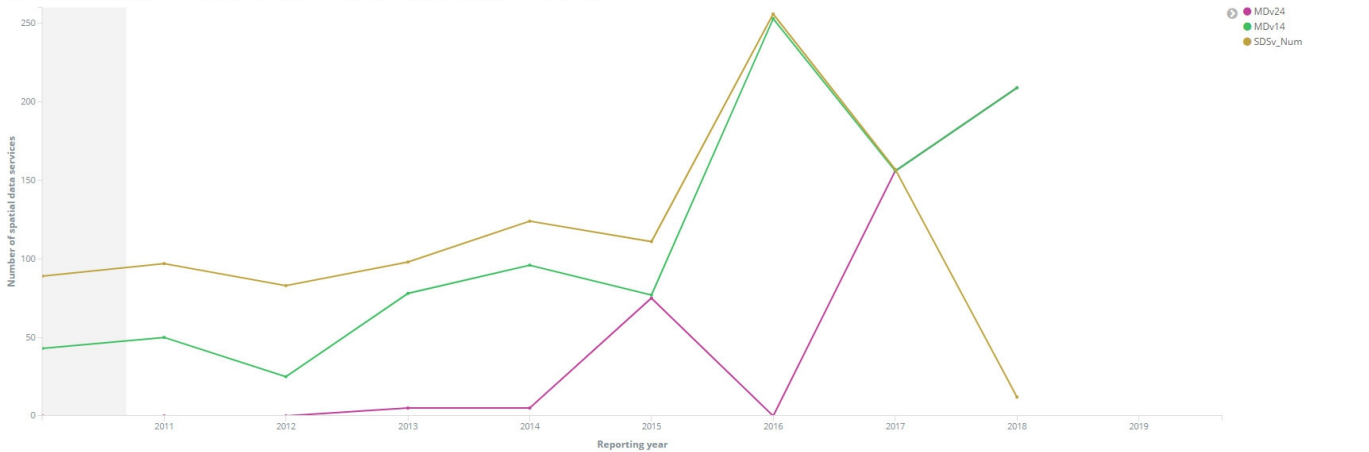
Indicator / Number of conformant spatial data sets per Annexes



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

Evolution of documented services and conformity of the documentation

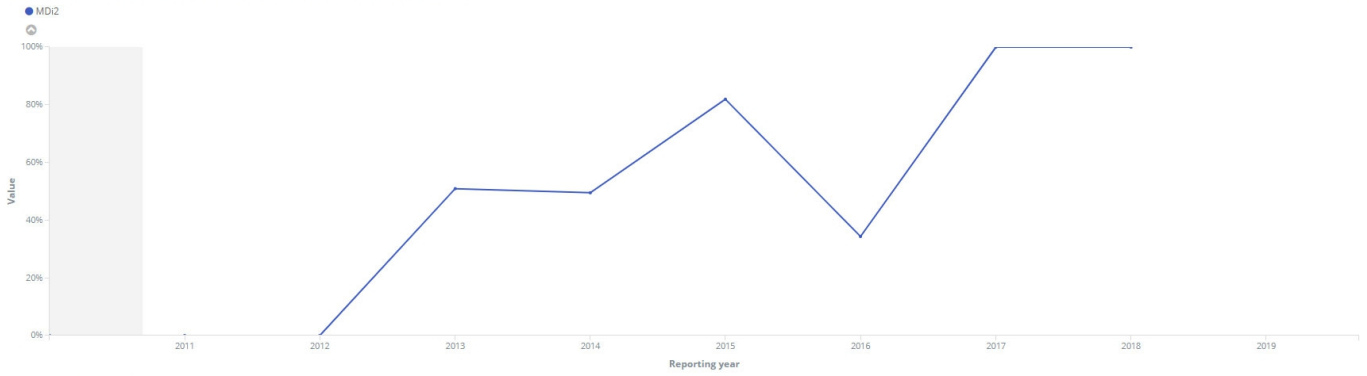
Indicator / Number of spatial data services (SDSv_Num) with metadata (MDv14) and conformant metadata (MDv24)



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)



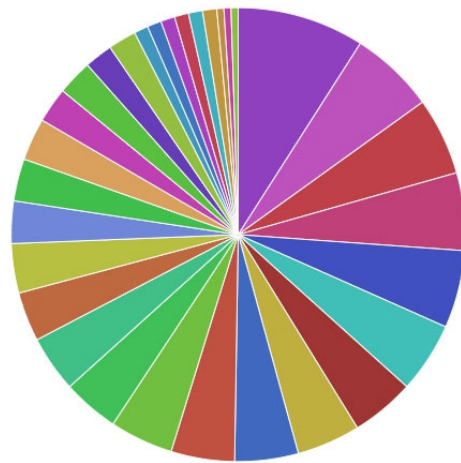
Country fiche / accessibility

Caption Step 2

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

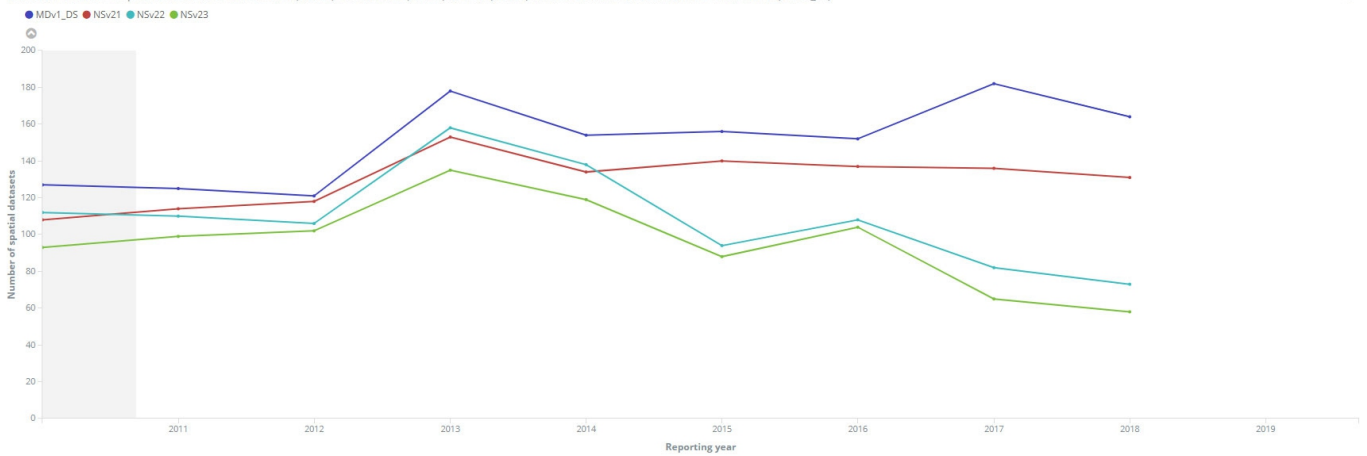


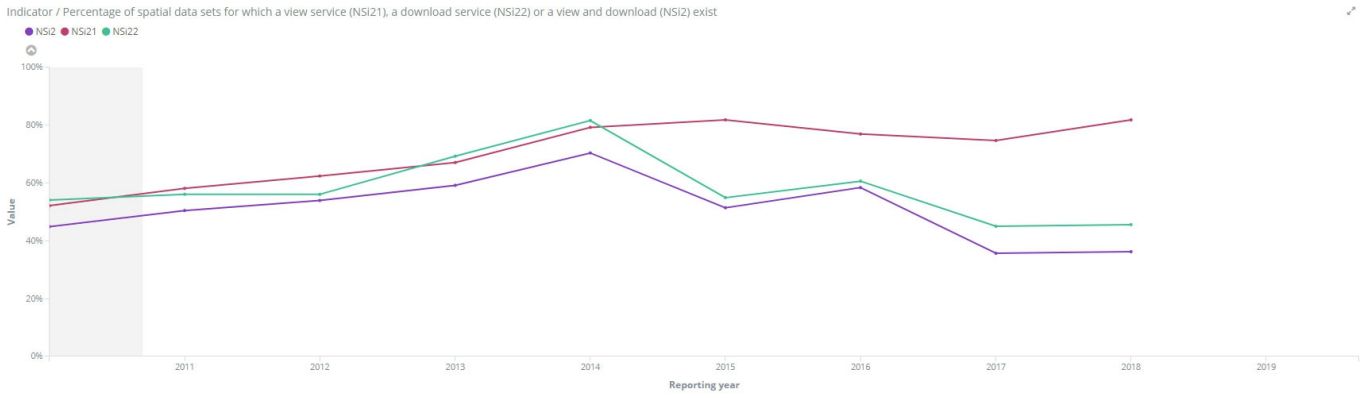
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- Atmospheric cond...

Country fiche / Evolution of spatial data accessible through services

Evolution of spatial data made accessible through digital services

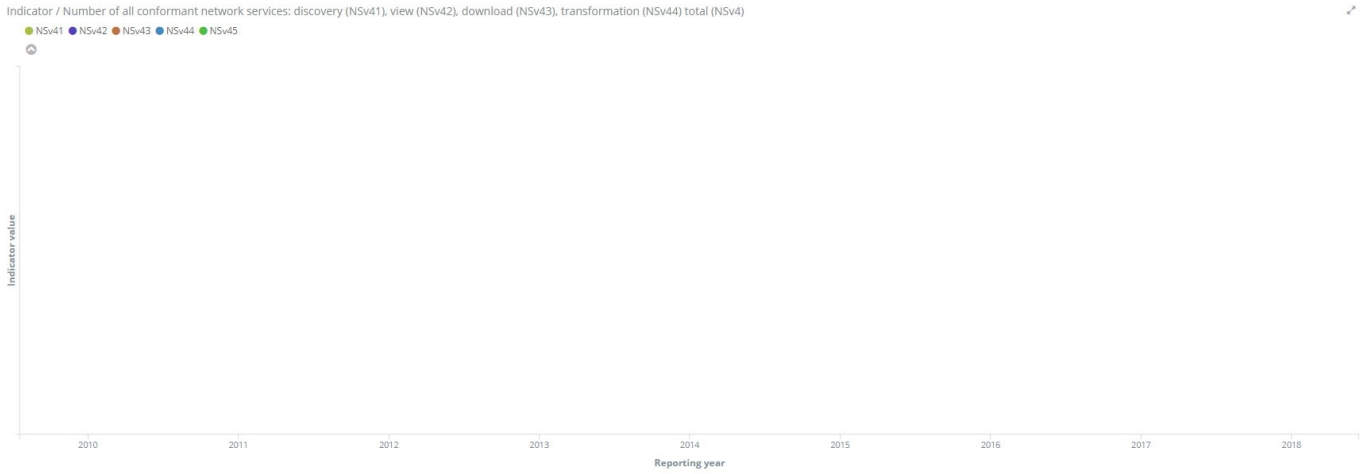
Indicator / Number of spatial data sets for which a view (NSv21) or download (NSv22) or both (NSv23) service exist and the total number of metadata (MDv1_ds)





Country fiche / Evolution of the conformity of the digital services

Evolution of the conformity of the digital services



Country fiche / Interoperability

Caption Step 3

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



Caption Step 4