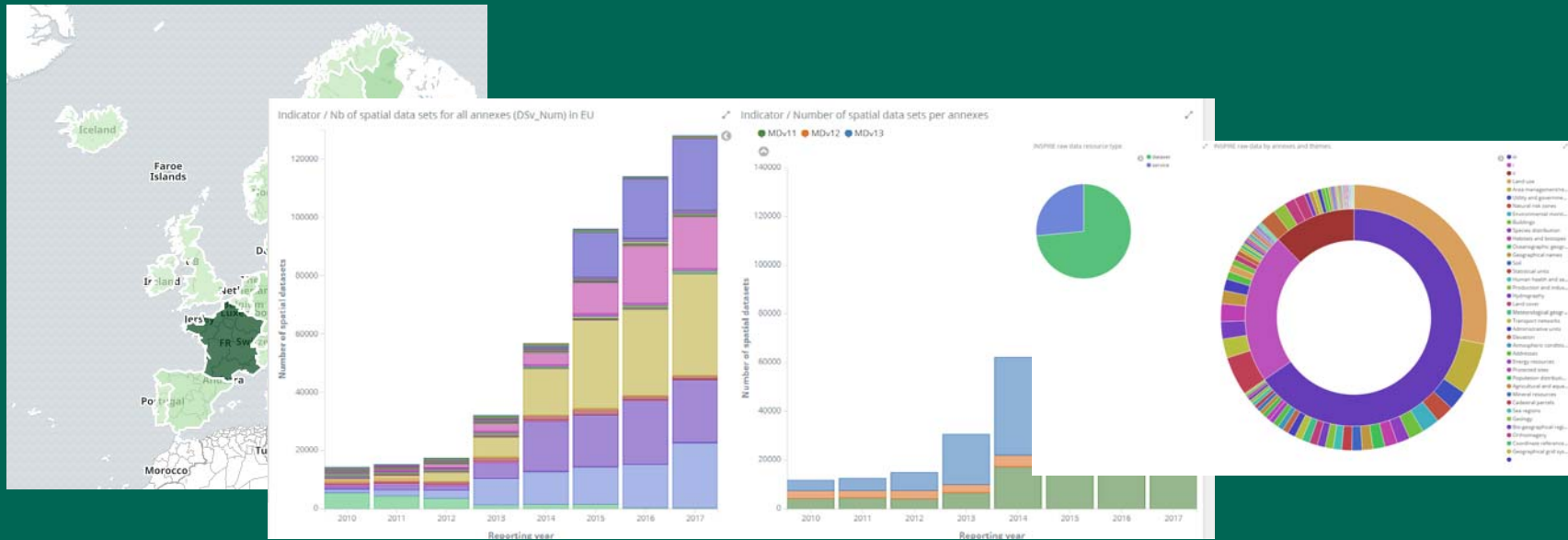


The 2018 INSPIRE monitoring round

Discussing the outcomes



Jose Miguel RUBIO IGLESIAS
European Environment Agency

Legal background

Commission Decision 2009/442/EC as regards monitoring and reporting

Annual monitoring obligation, deadline 15 May, involving:

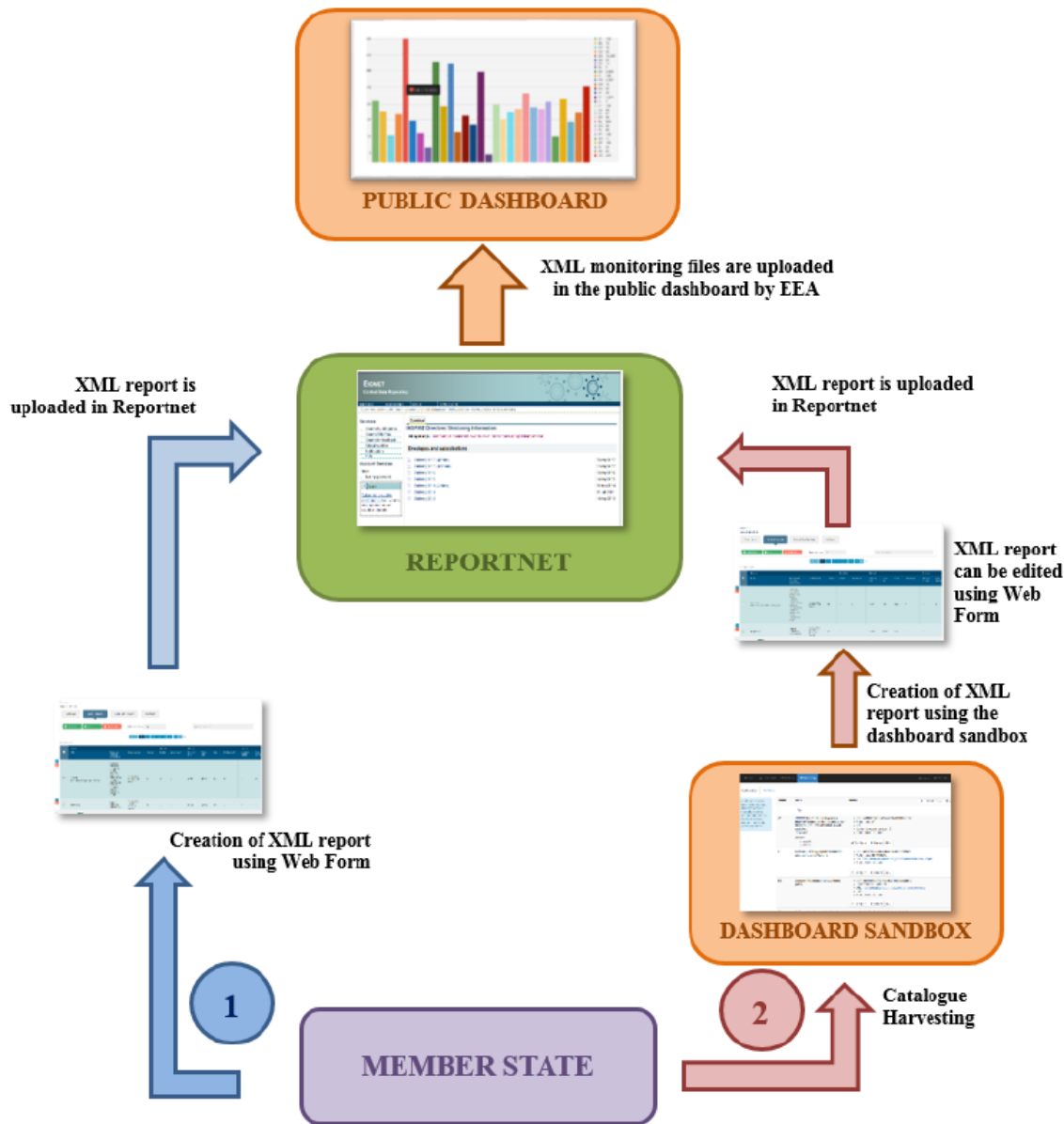
- **List of spatial datasets and services** corresponding to INSPIRE annexes and **network services**
- **Indicators** about (non exclusive list):
 - Metadata (existence, conformity, accessibility)
 - Conformity of spatial datasets and services
 - Accessibility of datasets through services

Delivery process managed by the EEA (**Reportnet**) since 2013

XML-based reporting since 2015



Current INSPIRE annual monitoring workflow



Two operational workflows

A series of tools are provided to **simplify and automatize** the process:

- **INSPIRE dashboard sandbox** (<https://sandbox-inspire-dashboard.eea.europa.eu>)
 - Harvests the national discovery services and validates results
 - Creates XML monitoring files
- **Reportnet web forms** (<http://webforms.eionet.europa.eu/>)
 - Edit XML monitoring files

All monitoring files uploaded in **Reportnet (CDR)**

Monitoring information displayed in the **“official INSPIRE dashboard”**



INSPIRE 2018 Monitoring Round (ref. year 2017)

- **Deadline 15/05** for yearly monitoring obligation (ref. year 2017)
- **All EU countries but one** had already submitted their monitoring file by 10/09
- Most countries (2/3) have used the **INSPIRE sandbox dashboard** to harvest their national catalogues and generate the monitoring file.
- A **reporting guidance** has been provided by the EEA to national reporters to facilitate the reporting process.
- Upgraded dashboards based on **Kibana** in place since early February (better performance, more stable, improved visualization, direct referencing).
- **Official dashboard updated** with the monitoring results:

<https://inspire-dashboard.eea.europa.eu/> *

*Please note the slight change in the URL



INSPIRE Directive (2007/2/EC)
2018 monitoring exercise
Reporter guidance document

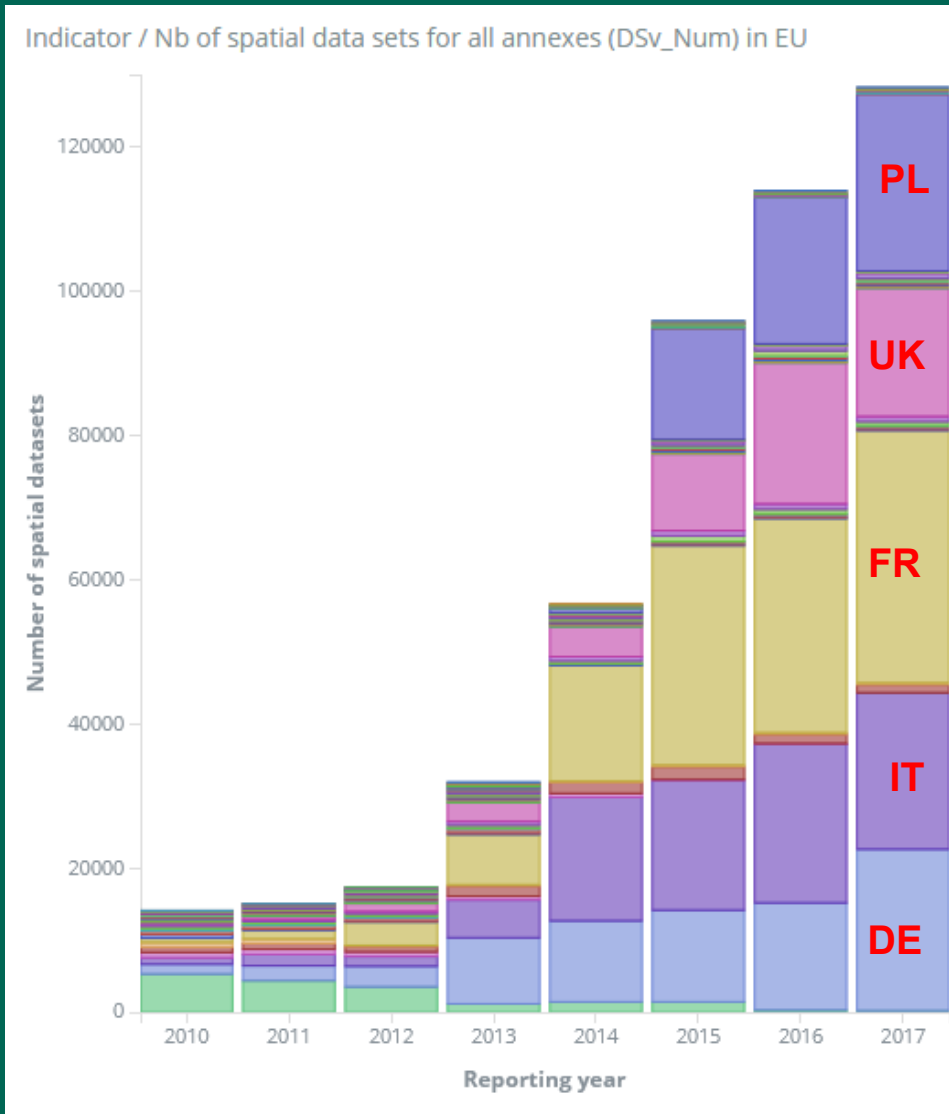
Version history

Version	Date	Author	Status and description	Distribution
1.0	09/03/2018	Jose Rubio (EEA)	First version – for INSPIRE Monitoring in 2018	Countries



INSPIRE 2018 Monitoring Round – Some data

1. Total number of spatial data sets per country

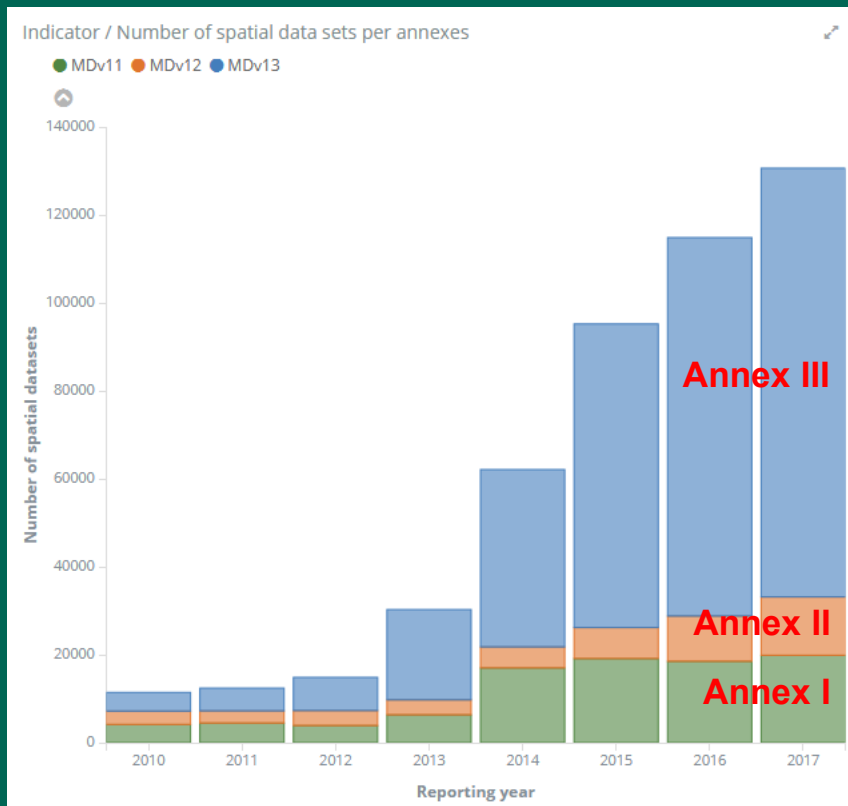


- Steady increase of total number of reported datasets (**13% more** with respect to last year)
- **95% of datasets** are reported by 5 countries (FR, DE, IT, PL, UK)



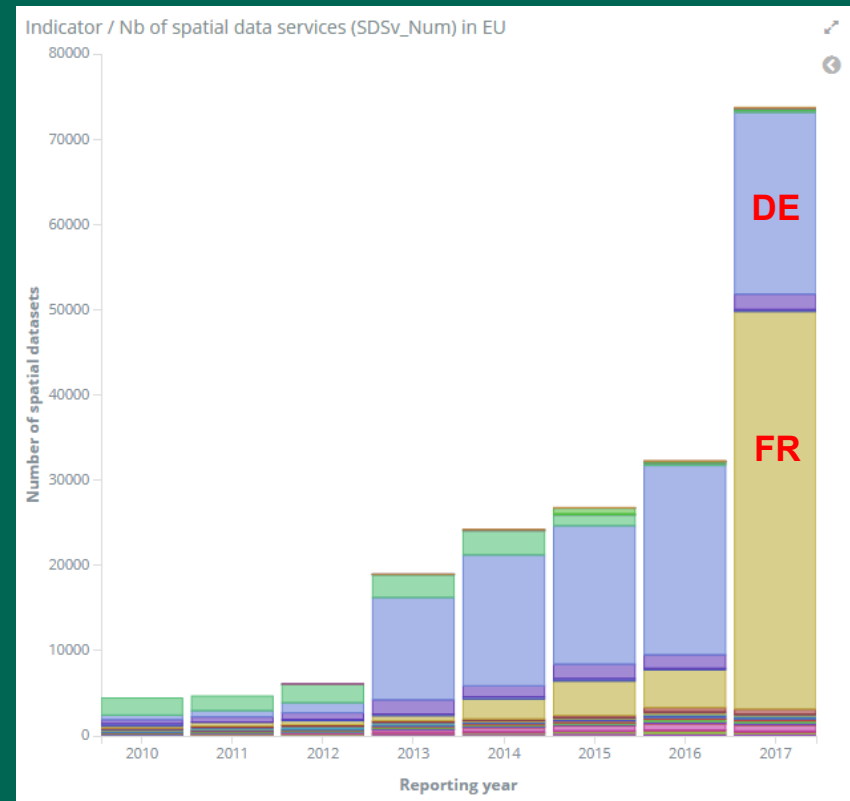
INSPIRE 2018 Monitoring Round – Some data

2. Number of spatial data sets per Annex



- 15% of SD for Annex I (increase – 8%)*
- 10% of SD for Annex II (increase – 29%)*
- 75% of SD for Annex III increase – 14%)*

3. Total number of spatial data services



- Very significant increase of total number of reported services (more than double)*
- FR reported 10 times more services than in 2016
- FR and DE report 93% of total number of SDS

<https://inspire-dashboard.esa.europa.eu/> - 10/09/2018

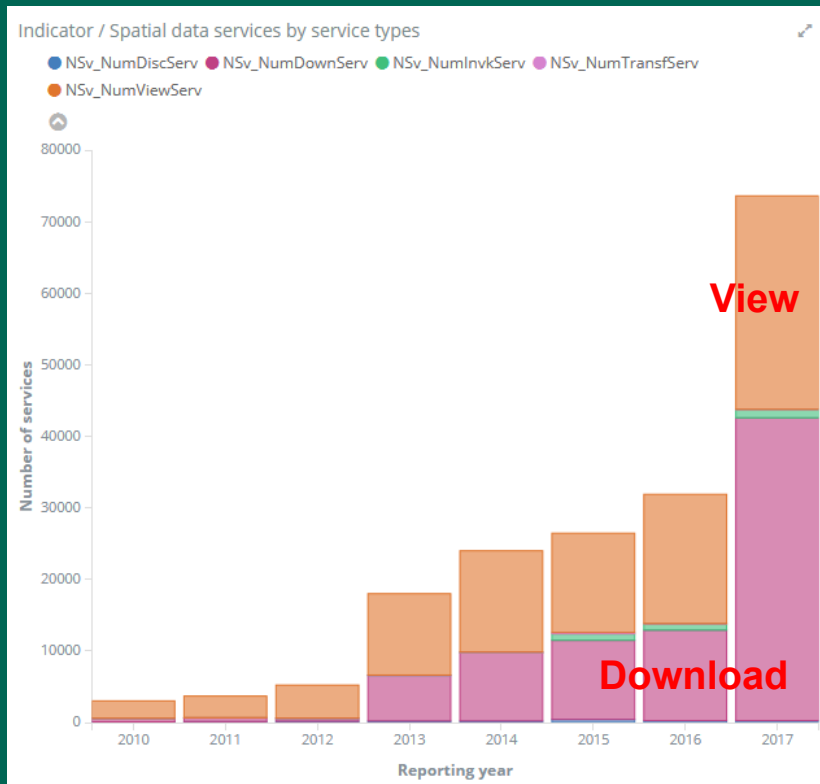
* With respect to previous monitoring exercise (2017)

European Environment Agency



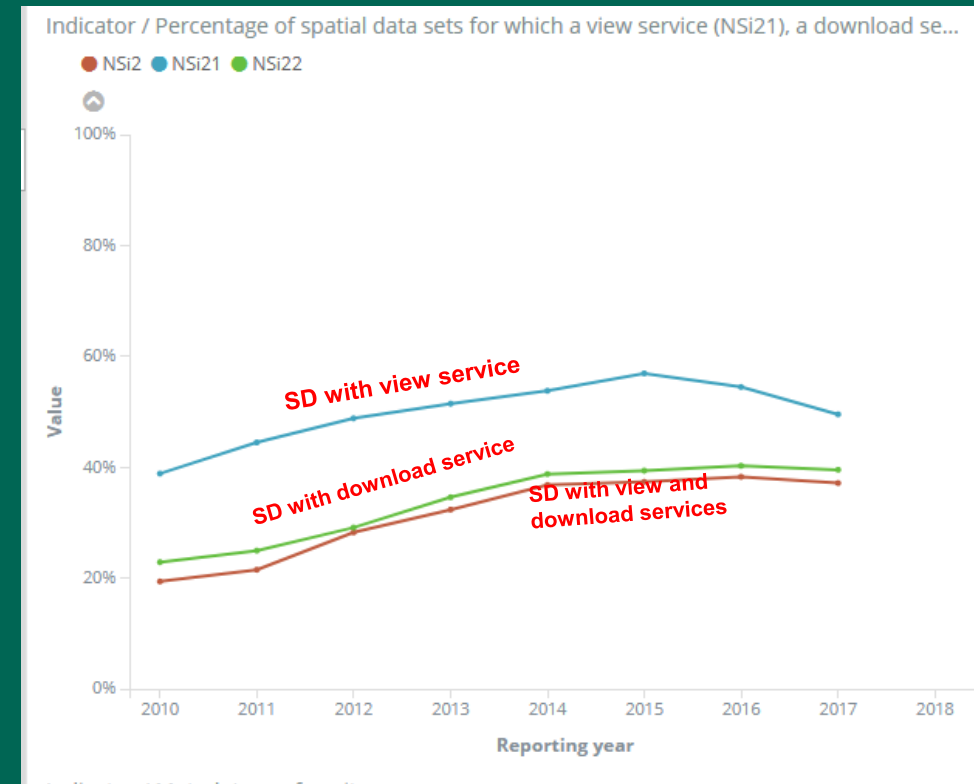
INSPIRE 2018 Monitoring Round – Some data

4. Number of spatial data services by service type



- 57% of total services are **Download Services**
- 40% of total services are **View Services**
- Significant increase in view services (65%)*
- VERY significant increase in download services (234%)*

5. Percentage of spatial datasets for which view, download or both exists



- Percentages slightly decrease
- 50% of SD have view services
- 40% of SD have download services
- 37% of SD have view and download services

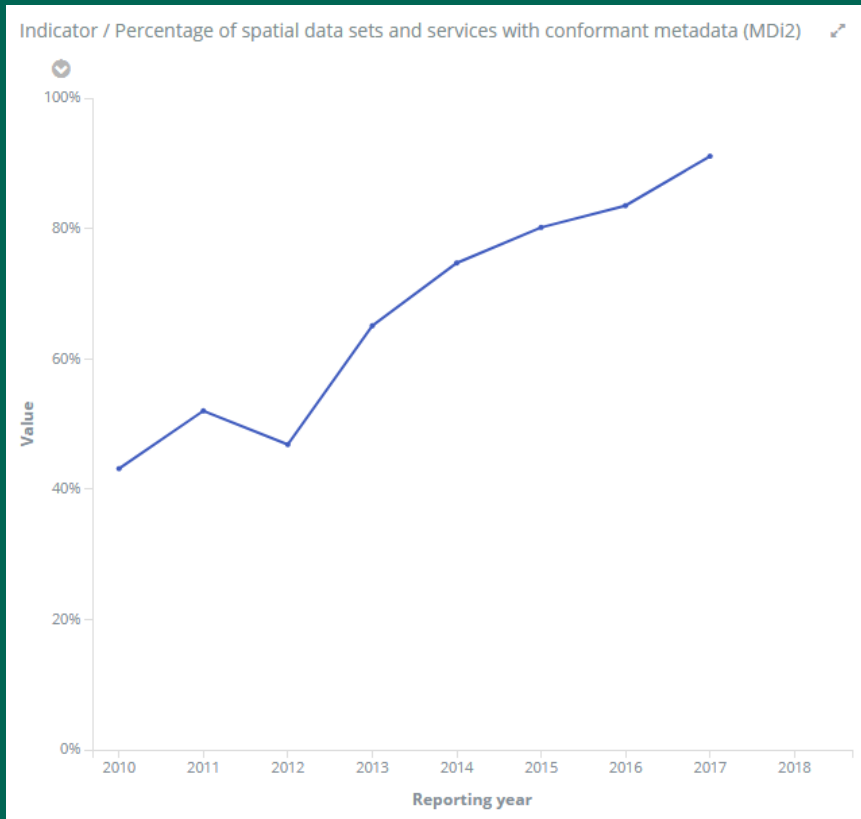
<https://inspire-dashboard.eea.europa.eu/> - 10/09/2018

* With respect to previous monitoring exercise (2017)



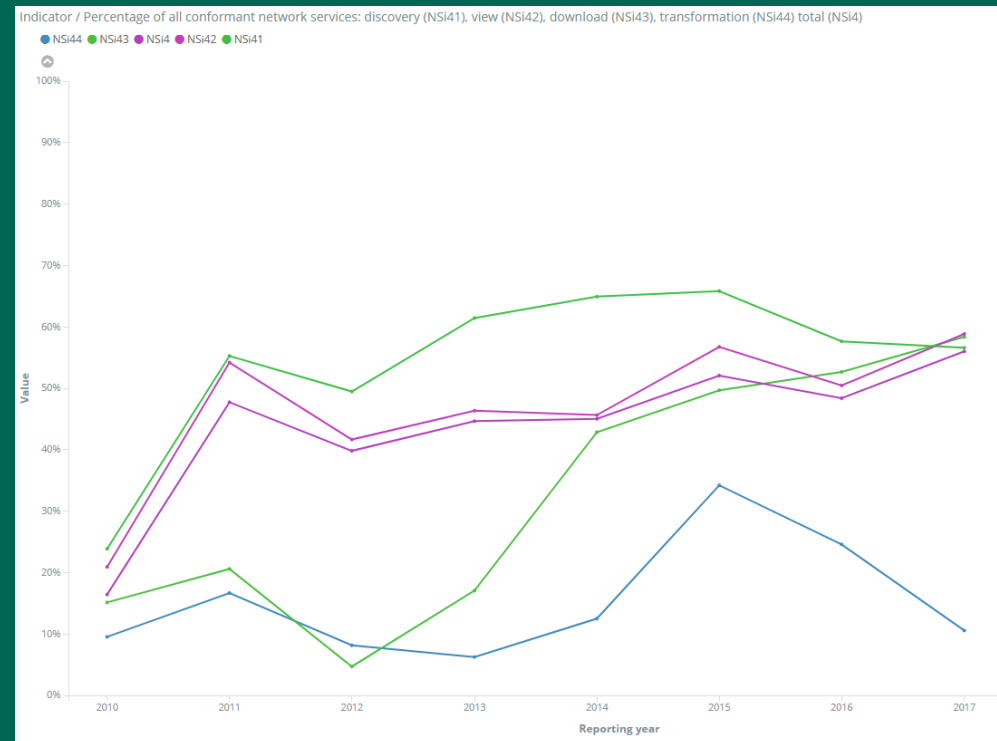
INSPIRE 2018 Monitoring Round – Some data

6. Metadata conformity of spatial dataset and services



- 91% of spatial datasets and services have conformant metadata

7. Percentage of all conformant network services

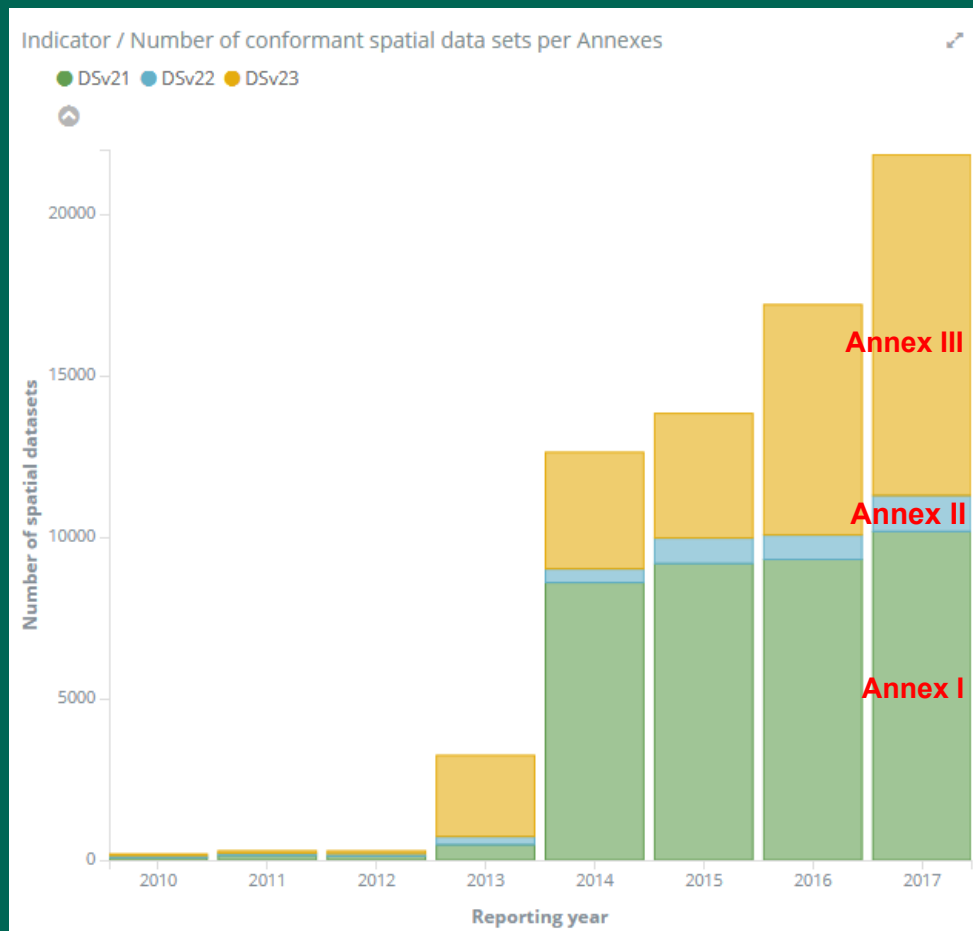


- Overall conformity increases to 56% (last year 48%)
- Given the huge increase in absolute number, this means a big effort towards conformity in network services by MS



INSPIRE 2018 Monitoring Round – Some data

8. Number of conformant spatial data sets per Annex (with conformant metadata)



- Increase* of absolute number of conformant spatial data sets (**around 26%**)
 - Slight increase in Annex I* (9%)
 - Important increase in Annex II and III* (around 48%)
- In comparison with the total number of datasets, **around 17% of total datasets** are conformant with Data Specifications:
 - Very slight increase for Annex I* (now around 51% conformance ratio)
 - Very slight increase for Annex II* (now around 8% conformance ratio)
 - Steady increase for Annex III* (now around 11% conformance ratio)
- Last year, the rate of conformance was around **15%**

<https://inspire-dashboard.eea.europa.eu/> - 10/09/2018

* With respect to previous monitoring exercise (2017)



INSPIRE 2018 Monitoring Round – Survey

- Survey on **monitoring tools, usability and performance**
- Carried out end of June – beginning of July
- 22 countries responded – **THANK YOU** 😊



1. Have you used the dashboard to generate your monitoring file?

YES:64%, NO:36%

2. In case of having used the dashboard, did you use your own dashboard or the one at EEA?

EEA:79%, National:21%

3. Have you used the EIONET web form to update significantly the monitoring file?

YES:50%, NO:50%

4. Any issue that you would like to highlight with regards the 2018 monitoring exercise?

- *Dashboard to notify when harvesting is complete*
- *Very good guidance and support, but information sent a bit late (early February)*
- *Still manual work to do (especially when involving data providers or correct errors)*
- *Some countries not using the dashboard have actually developed their own applications adapted to their national needs.*



INSPIRE 2018 Monitoring Round – Initial conclusions

- **Steady increase** of total number of reported **datasets**, but most of them are reported by only five countries
- **Very significant increase** in the total number of **services**, but this is mainly due to just one country
- **Low availability of datasets** through network services (1 out of 3 have both view and download services)
- Metadata are steadily reaching **full conformity**, but not yet there
- Conformity in services and in data harmonisation is however **progressing slowly**
- Despite deadlines laying already in the past:
 - **Only less than 60% of network services** are reported to be compliant
 - **Only half of Annex I datasets** are reported to be harmonised
- Most countries have used the **dashboard or a local application** to harvest their national catalogues and create their monitoring file





Thank you for your attention!

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