Status of INSPIRE implementation in EU Member States.

INSPIRE conference – Lisbon, 26/05/2015

Paul Hasenohr, European Environment Agency

European Environment Agency

Outlook

- A few words about Monitoring and Reporting

- The implementation status of INSPIRE seen through the Monitoring indicators over the past three years

- Ongoing work around Monitoring

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A few words about Monitoring and Reporting

- ## Regulatory framework
  - Legally binding
    - Article 21 of INSPIRE Directive
    - Commission Decision of 5 June 2009 implementing Directive 2007/2/EC of the European Parliament and of the Council as regards monitoring and reporting
  - Guidelines, justification document, templates and supporting tools
- ## New file format used to exchange INSPIRE Monitoring data
- ## New tools to generate the INSPIRE monitoring data:
  - Manually
  - Semi-automatically from the metadata contained in the national geoportals

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Tools supporting the INSPIRE monitoring

- Web tool generating INSPIRE monitoring XML file
  - Form to register each dataset and service individually
  - Module to import all data from the XLS files used previously
  - Developed and financed by EEA
- INSPIRE dashboard [https://inspire-dashboard.eea.europa.eu/dashboard]
  - To generate (part of) the INSPIRE monitoring XML out of the metadata harvested from national discovery services
  - To visualize the reported monitoring indicators
  - To visualize up to date monitoring indicators
  - Conceived by the MIG (MIWP-16), financed by EEA, developed by Titellus

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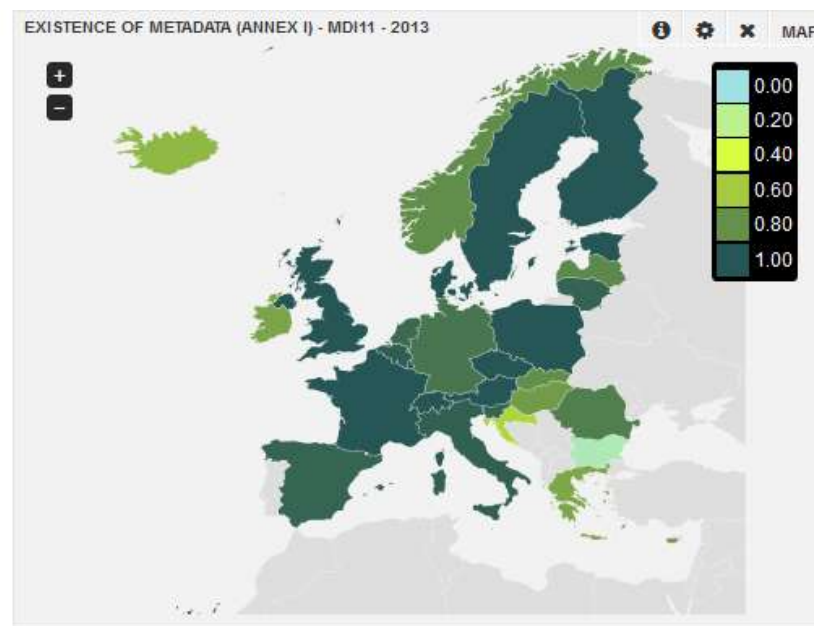# Most deliveries in time this year
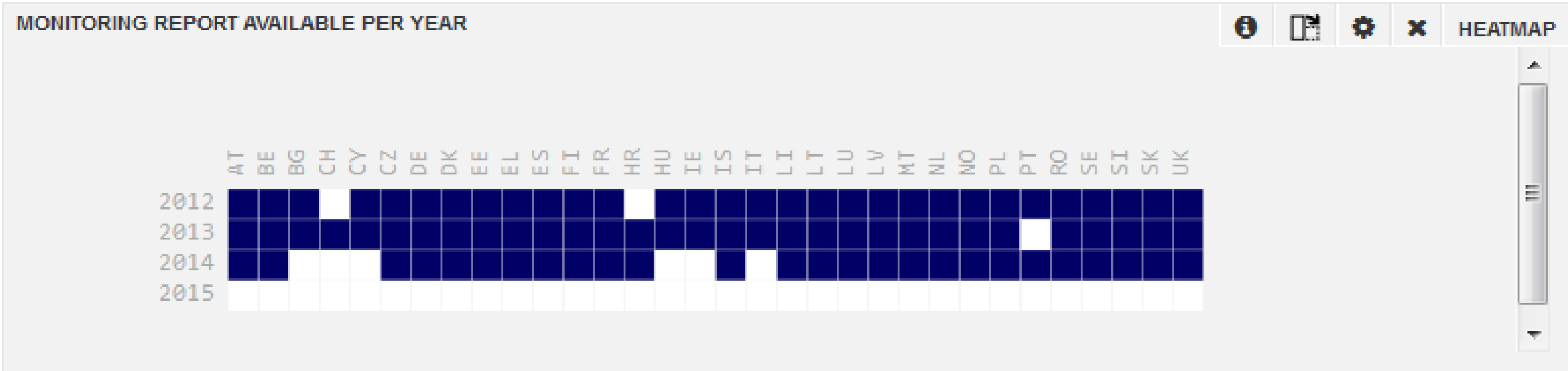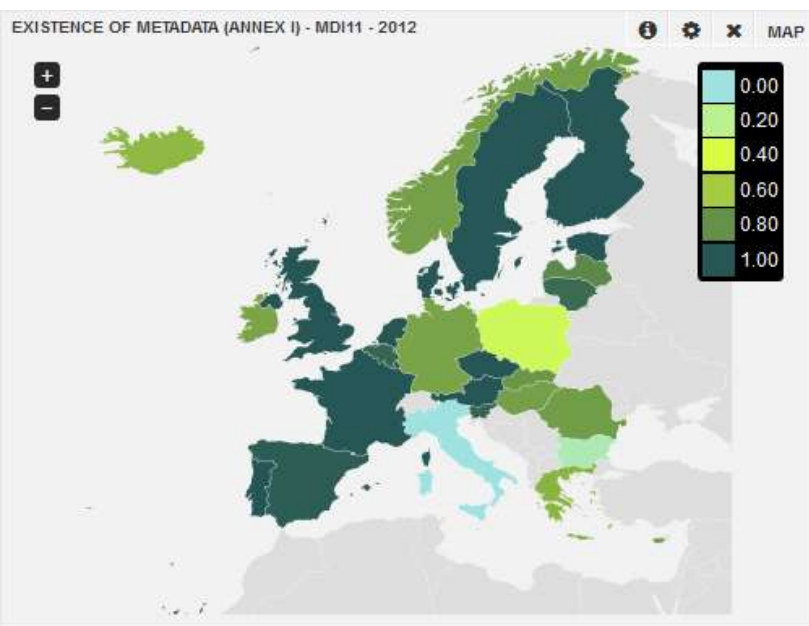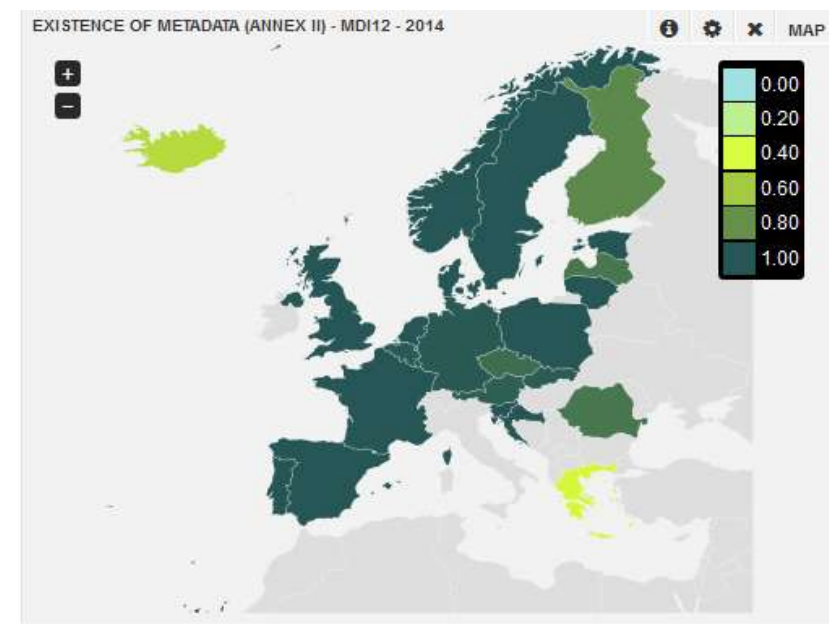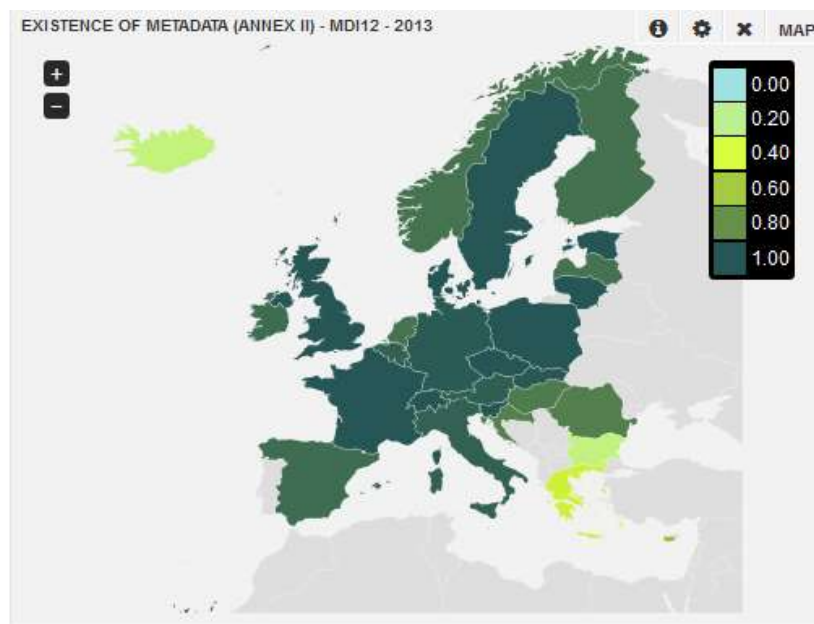
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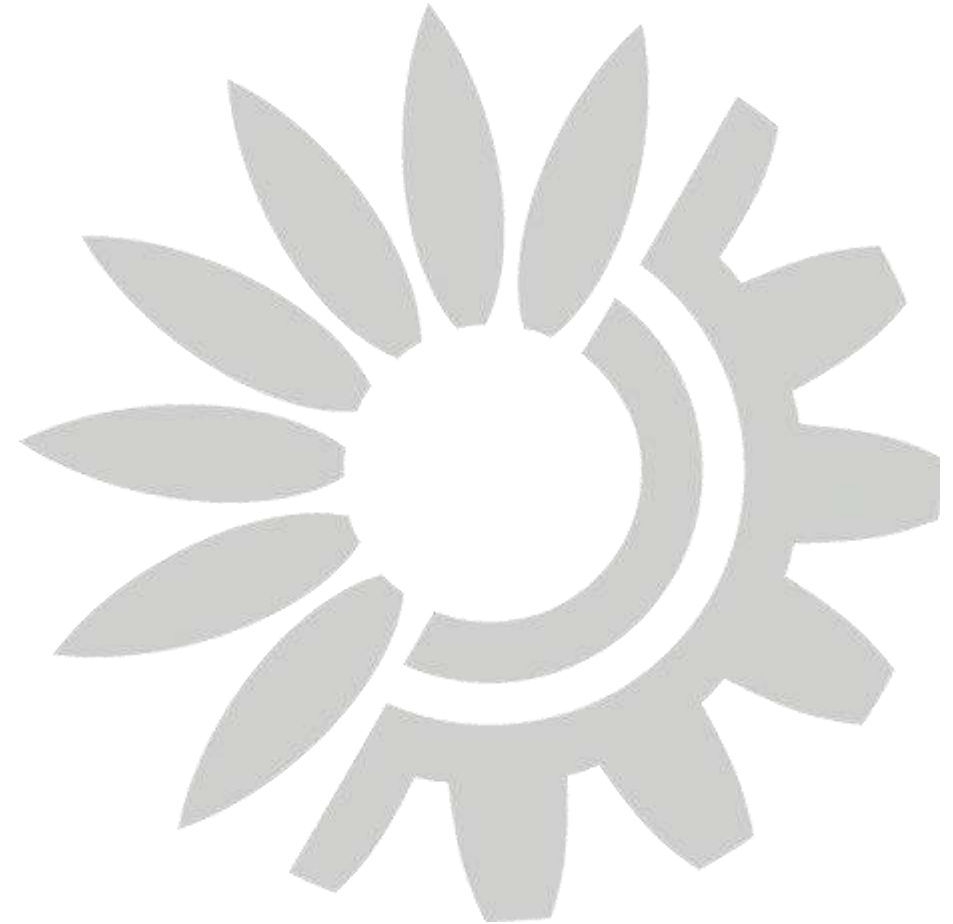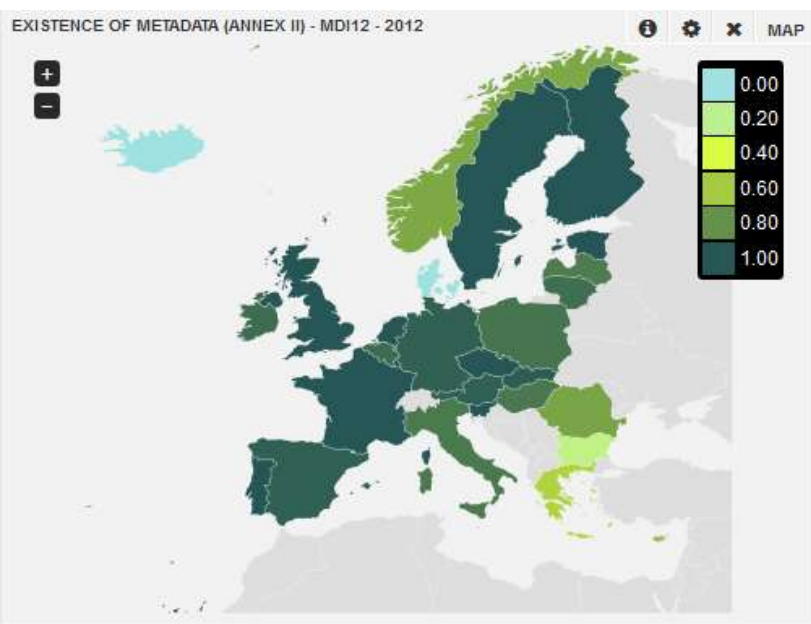
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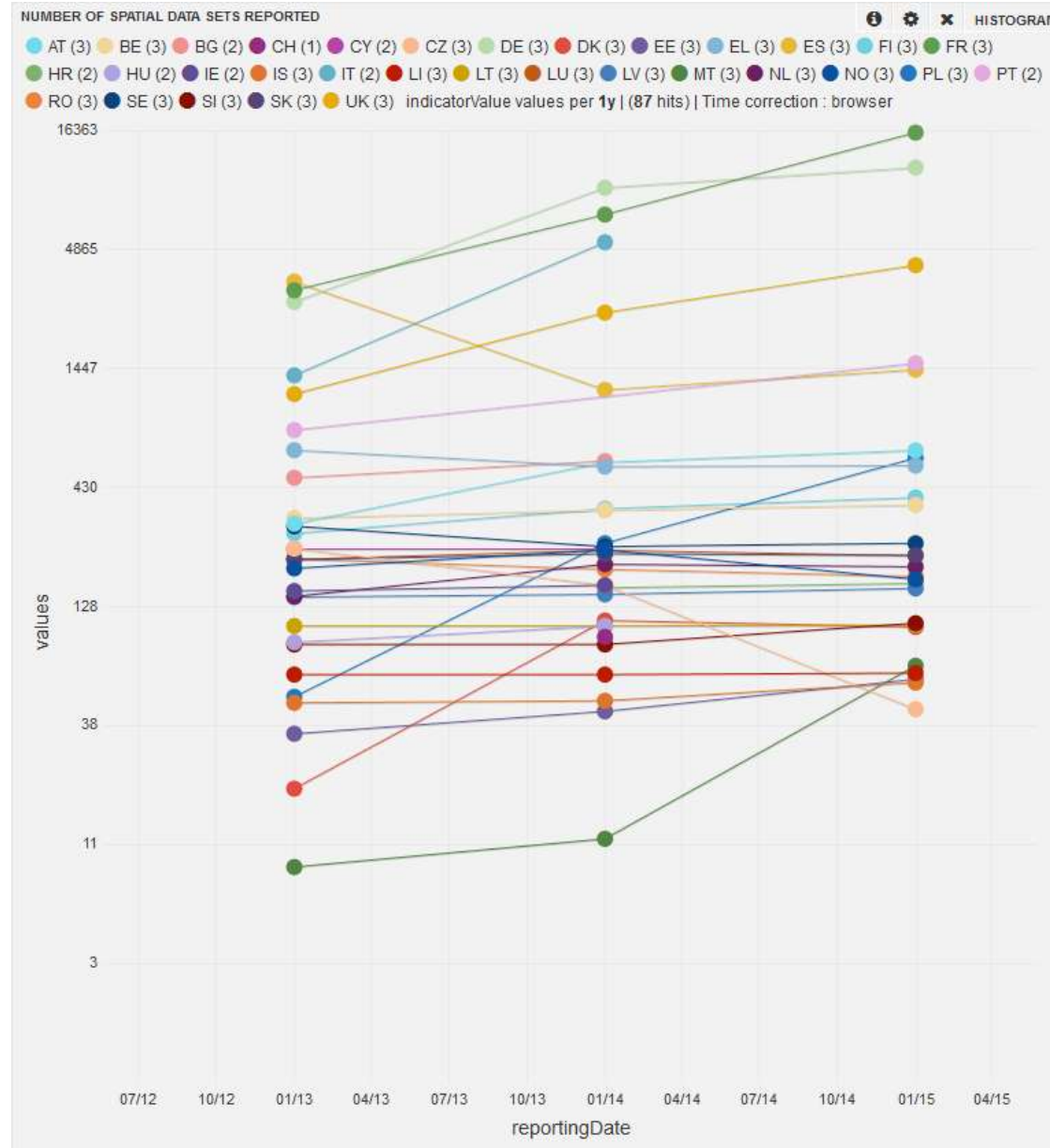
Existence of metadata (data sets and services)

EXISTENCE OF METADATA (DATA SETS AND SERVICES) - MDI1 - 2012

EXISTENCE OF METADATA (DATA SETS AND SERVICES) - MDI1 - 2013

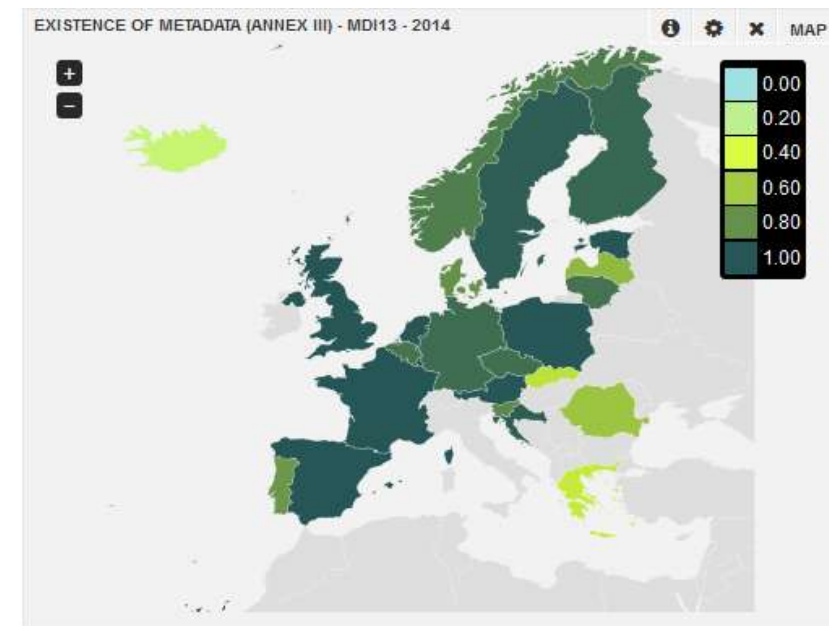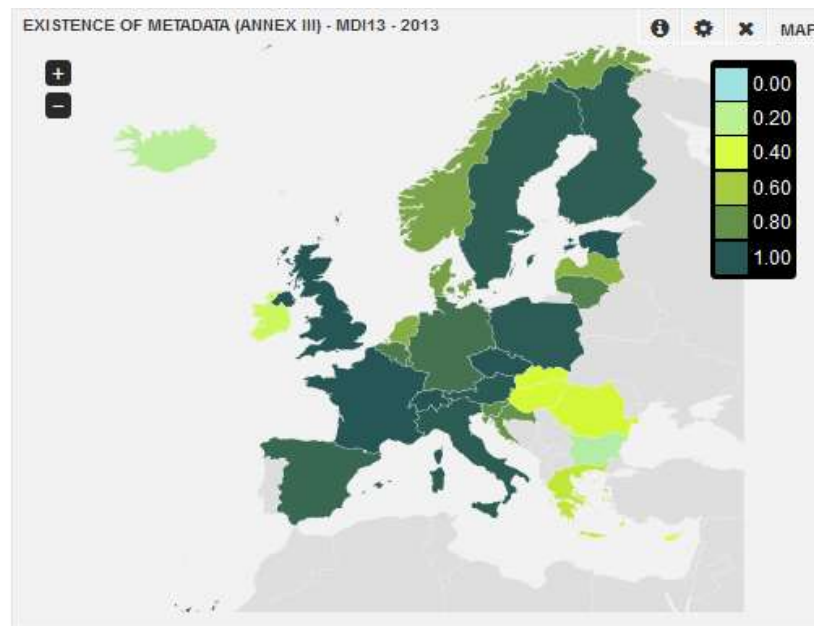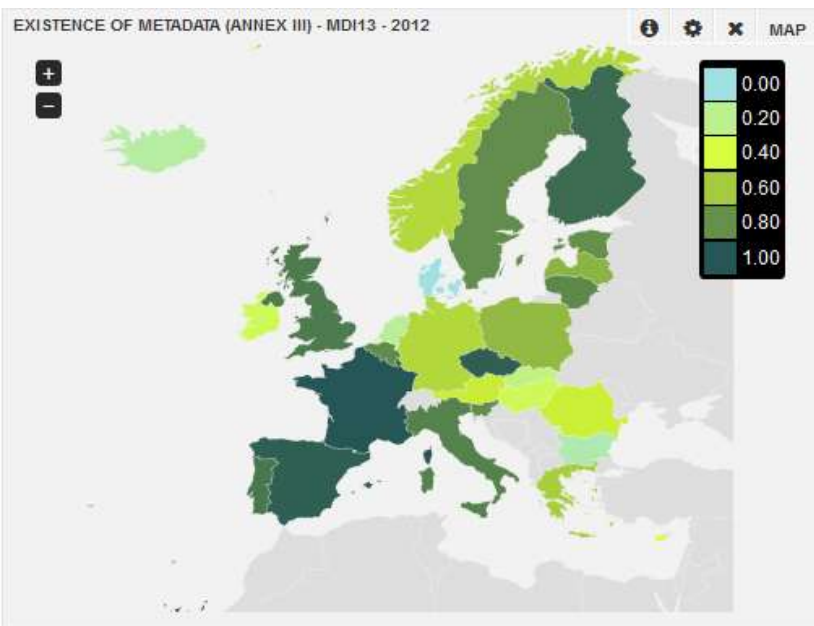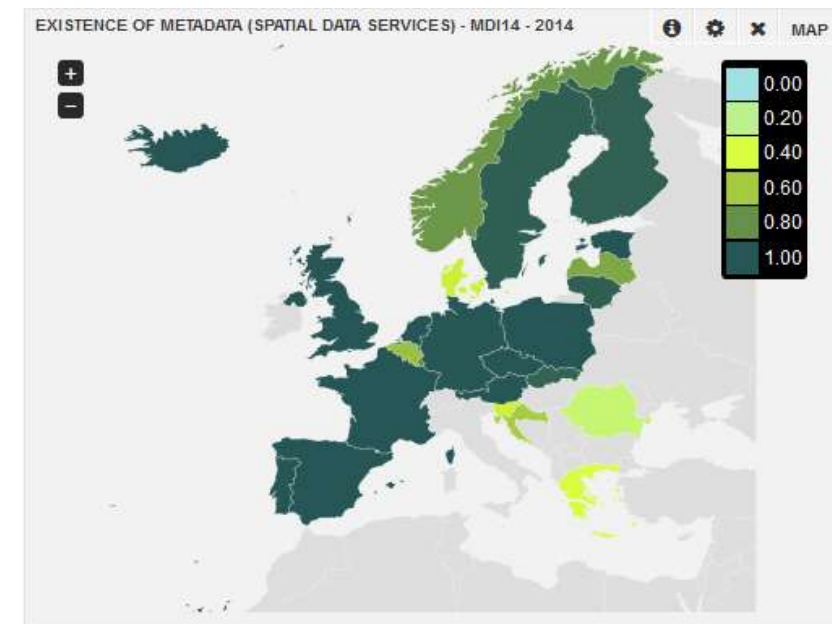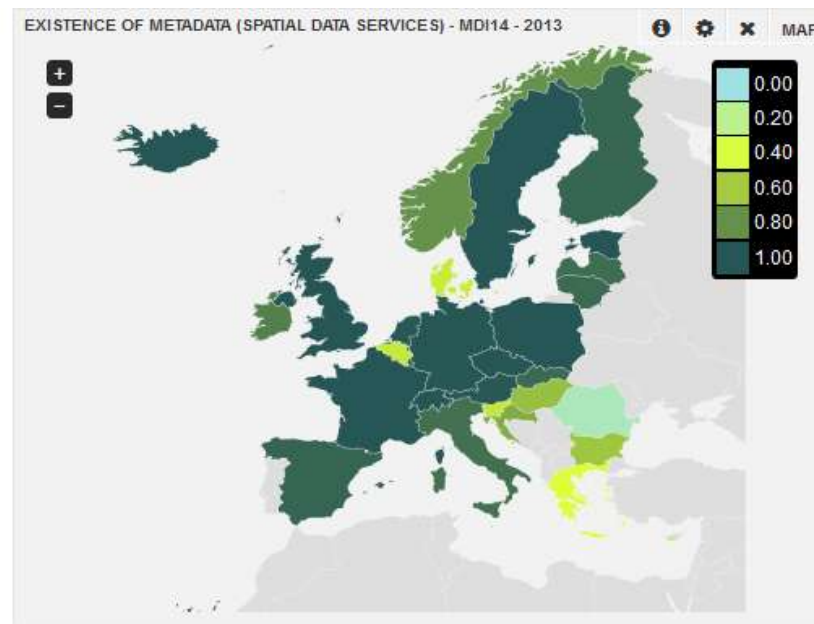EXISTENCE OF METADATA (DATA SETS AND SERVICES) - MDI1 - 2014
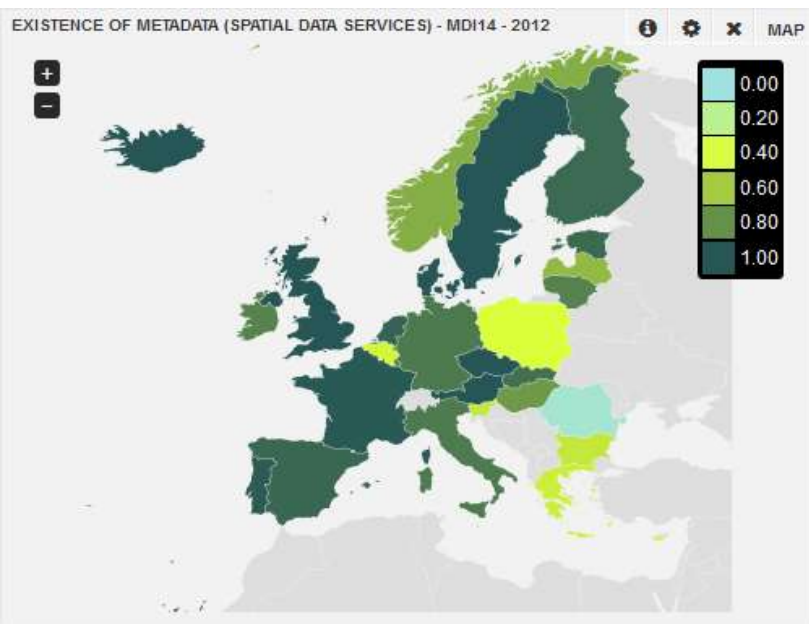
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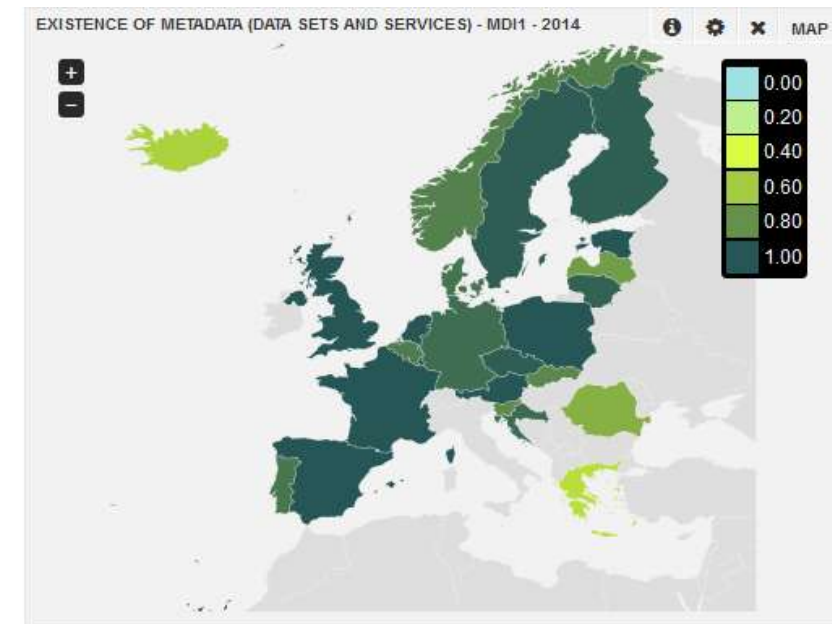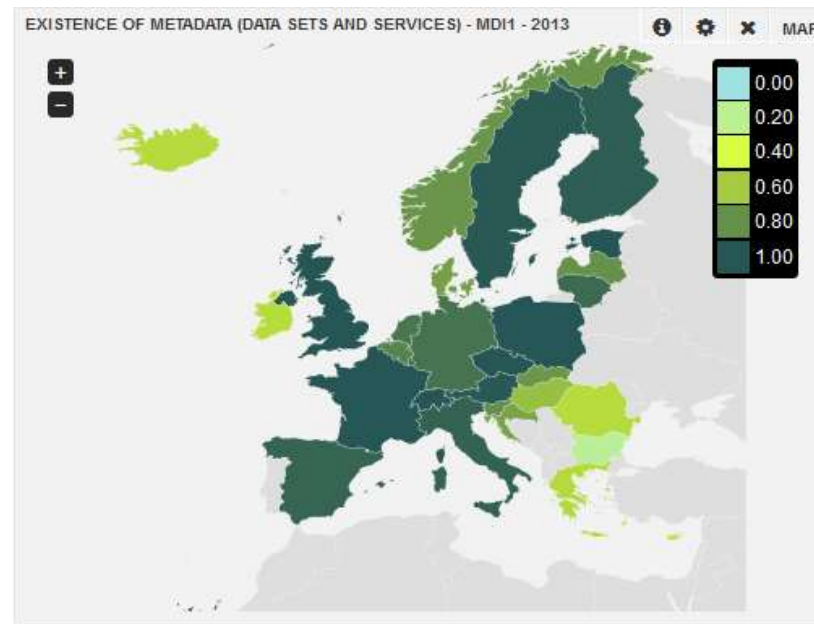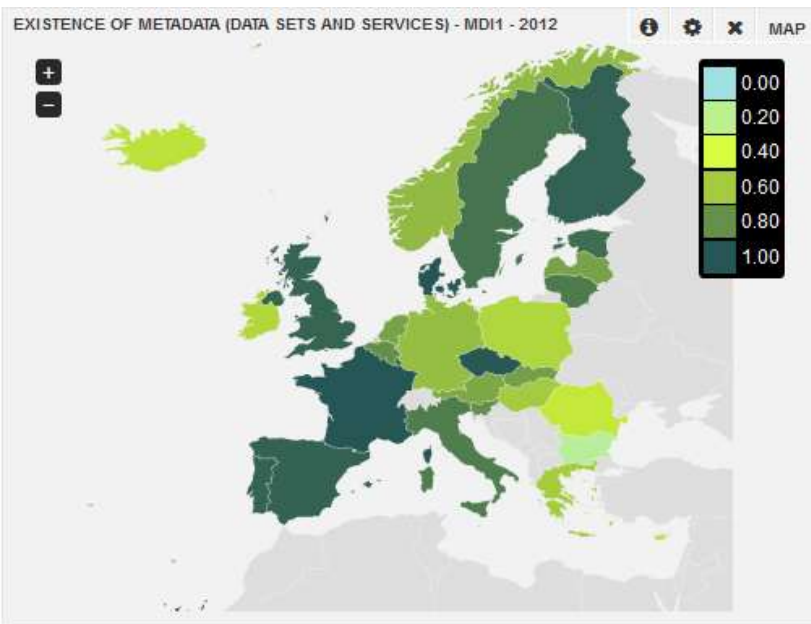
Existence of metadata (Annex I)
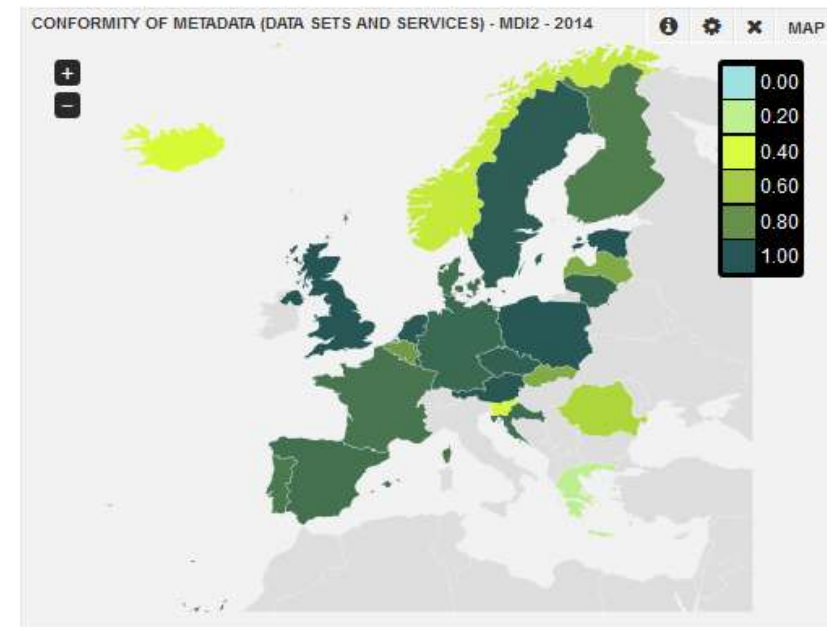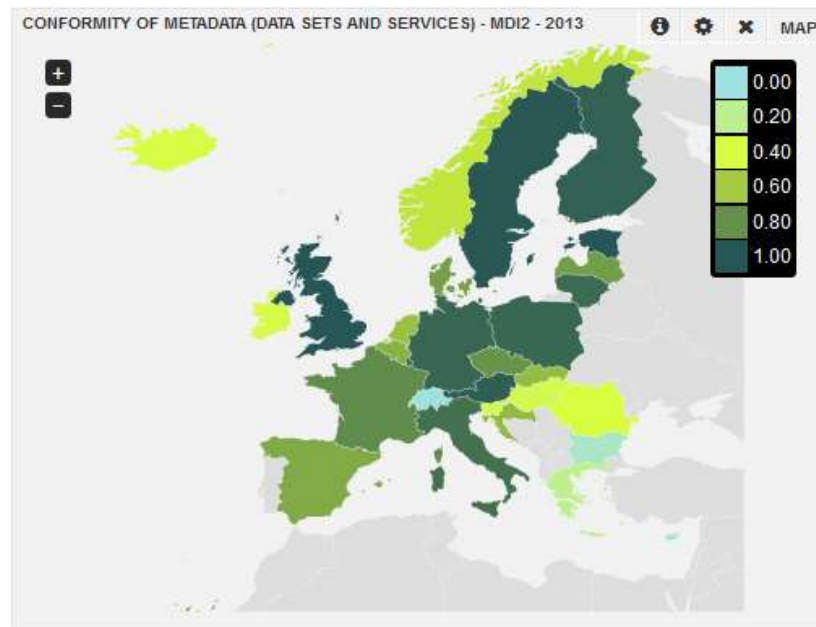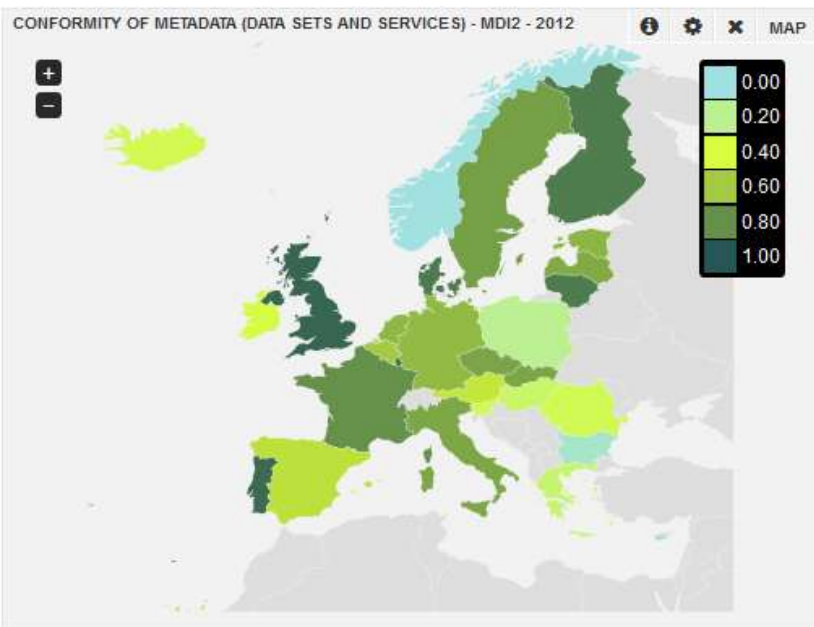
Existence of metadata (Annex II)

European Environment Agency
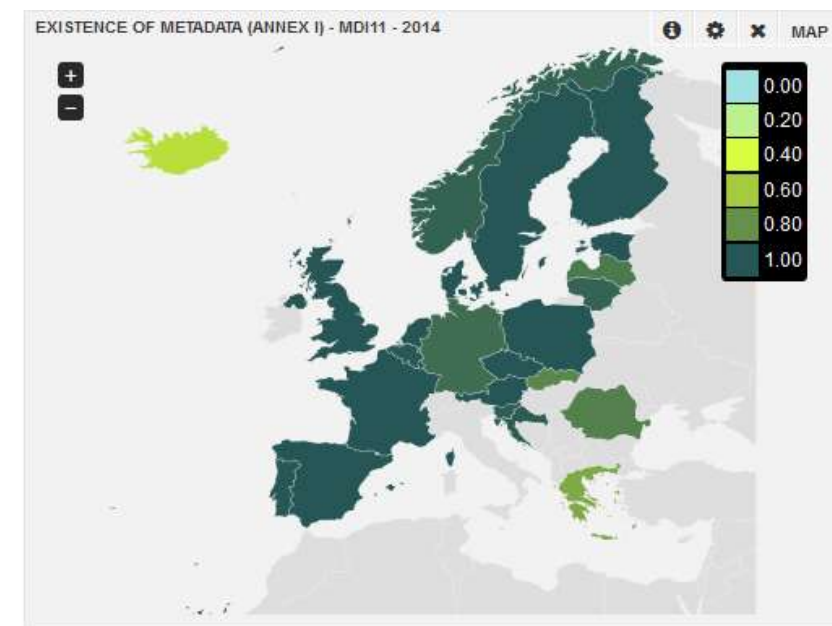
Existence of metadata (Annex III)

EXISTENCE OF METADATA (ANNEX III) - MDI13 - 2012

EXISTENCE OF METADATA (ANNEX III) - MDI13 - 2013
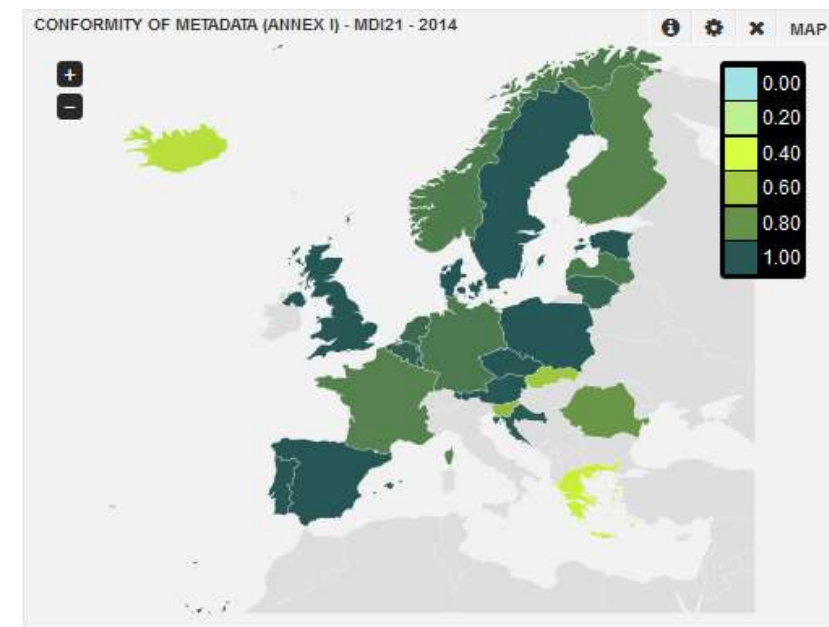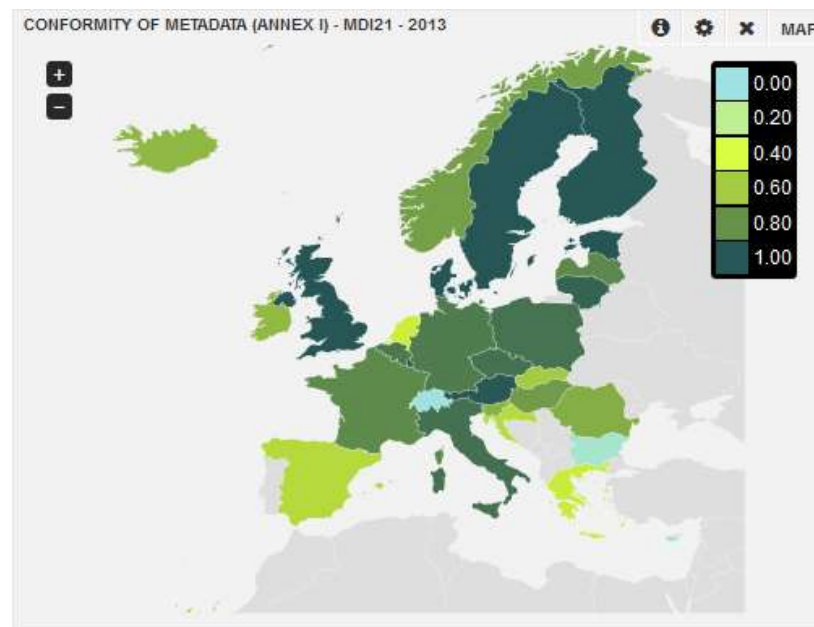
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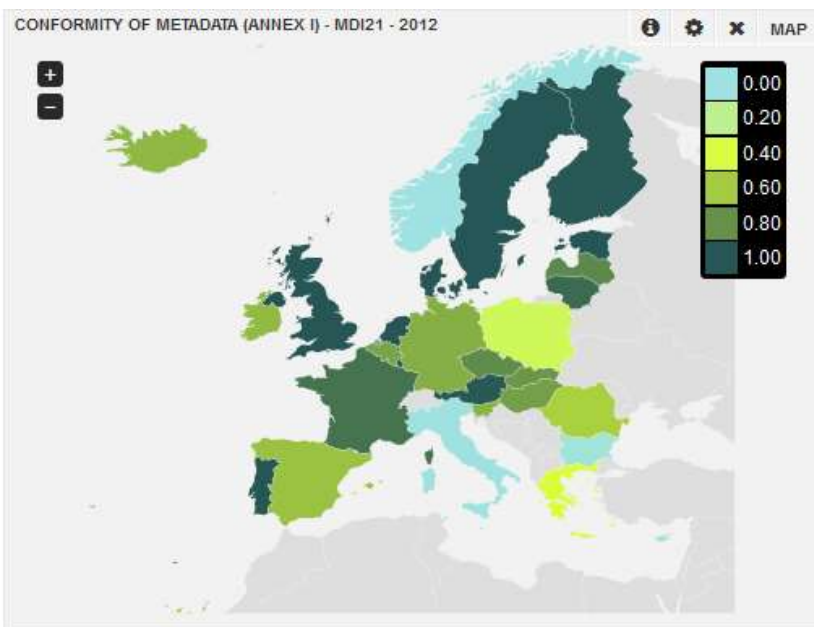
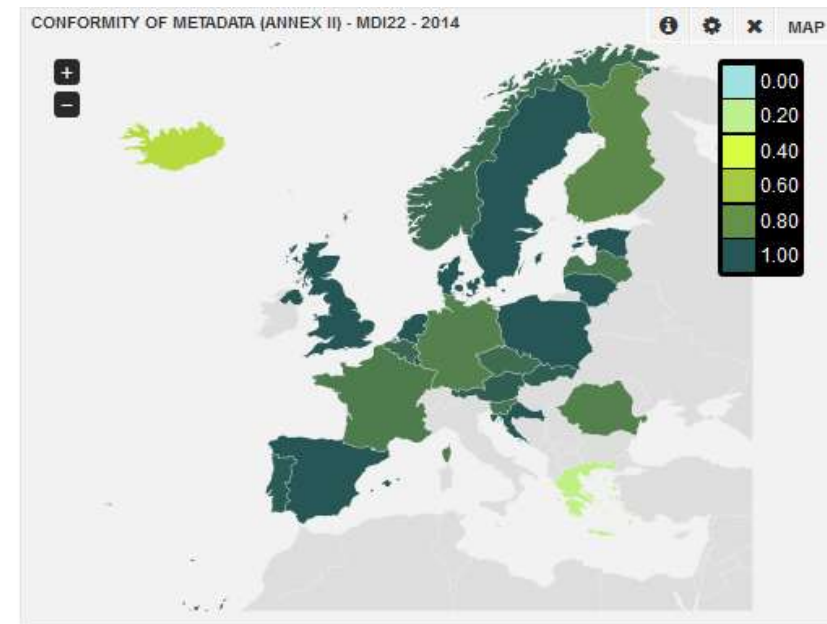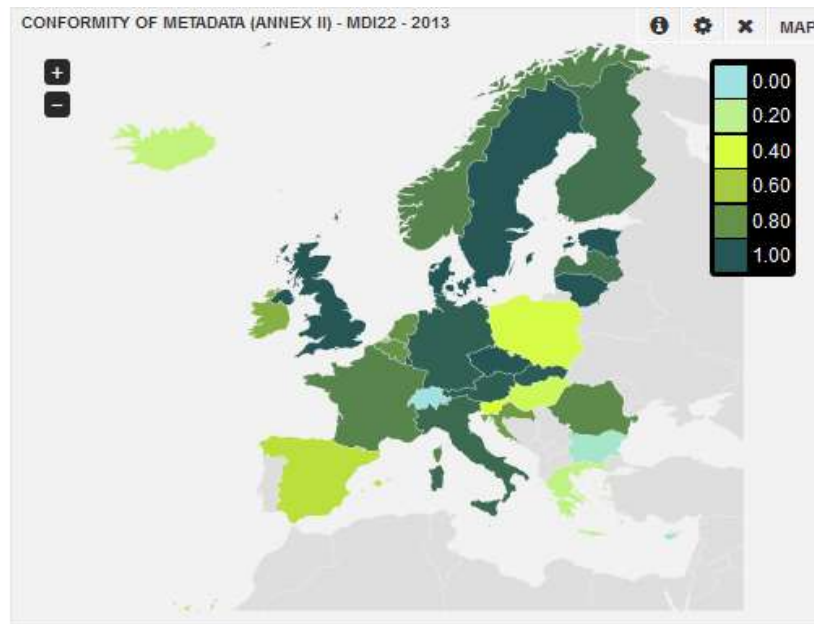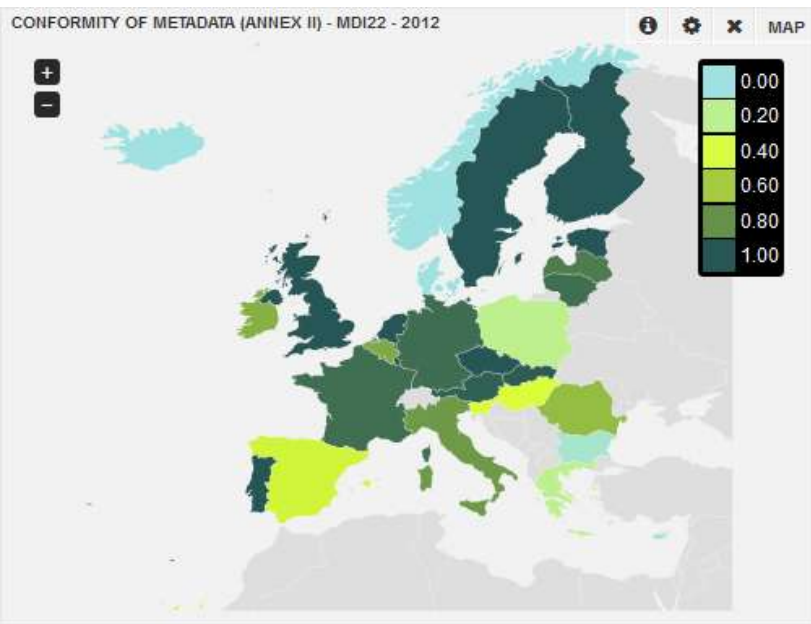European Environment Agency

Existence of metadata (spatial data services)

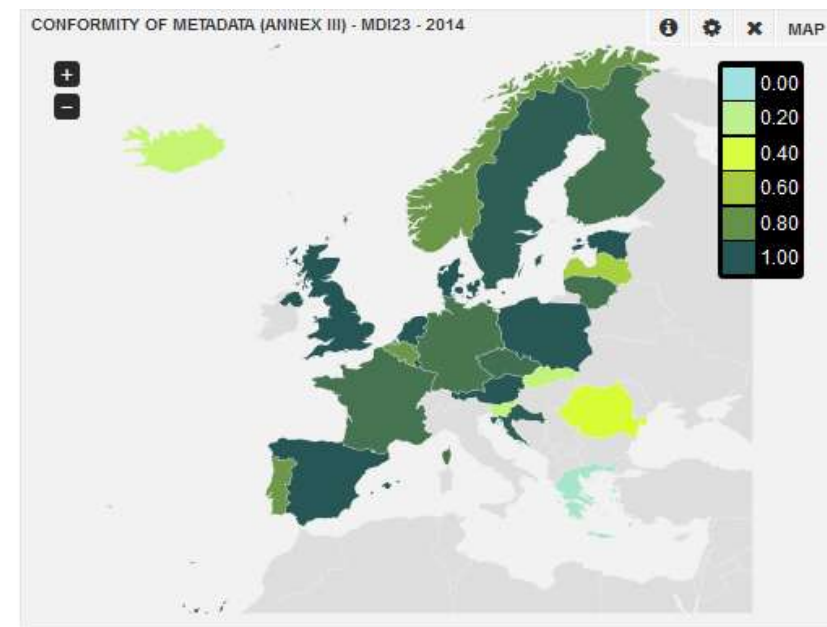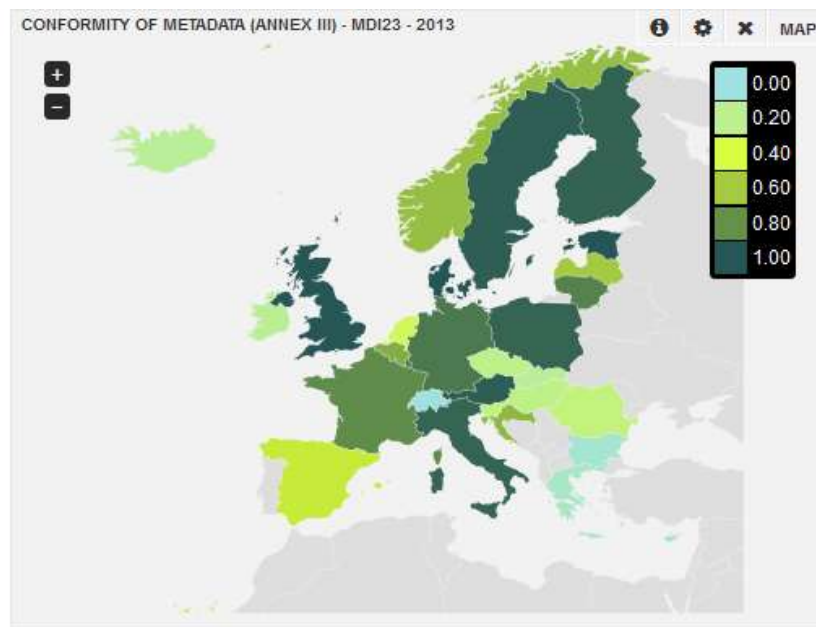# Conformity of metadata (data sets and services)

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Conformity of metadata (Annex I)
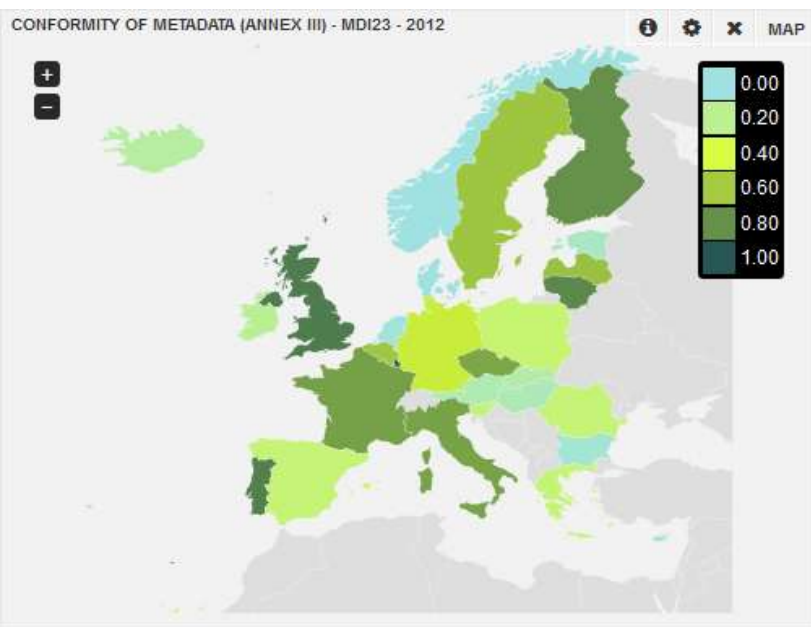

European Environment Agency

Conformity of metadata (Annex II)

CONFORMITY OF METADATA (ANNEX II) - MDI22 - 2012

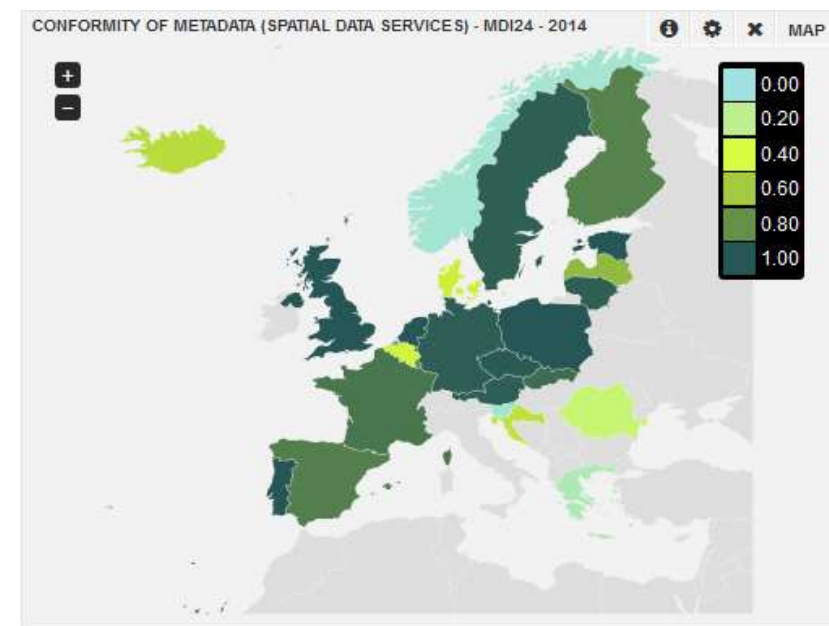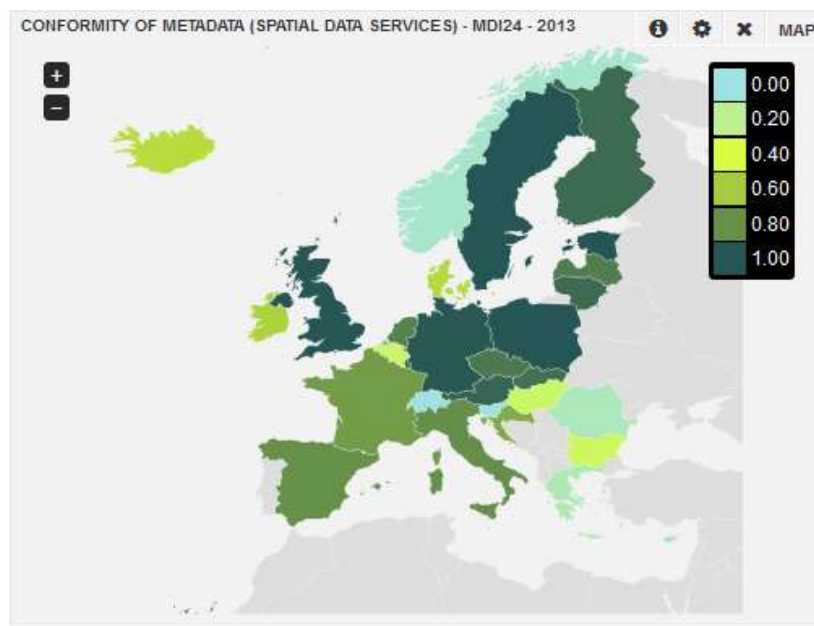CONFORMITY OF METADATA (ANNEX II) - MDI22 - 2013

CONFORMITY OF METADATA (ANNEX II) - MDI22 - 2014
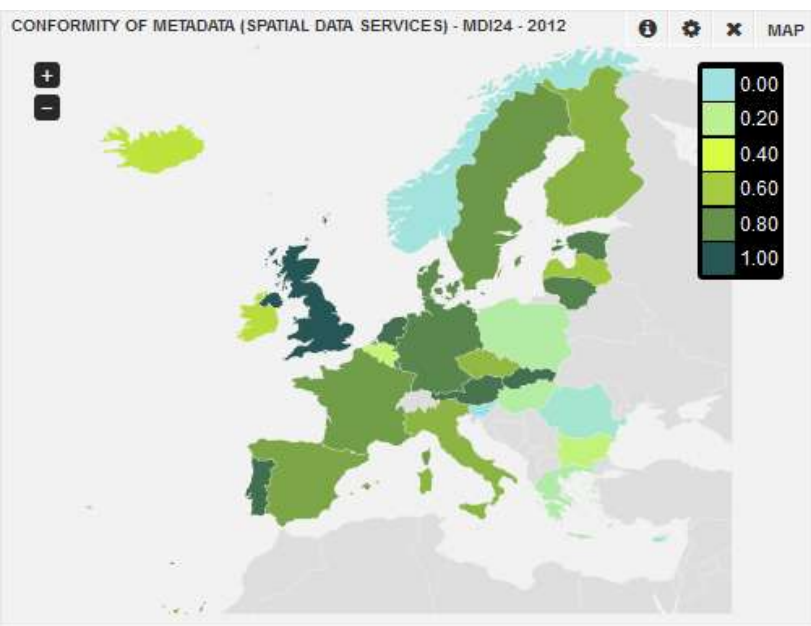
European Environment Agency

Conformity of metadata (Annex III)
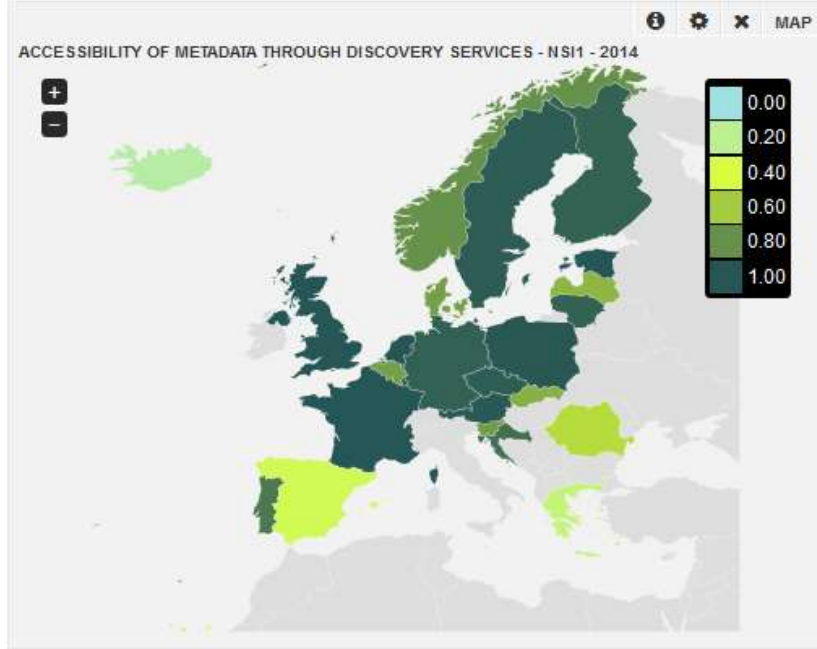

CONFORMITY OF METADATA (ANNEX III) - MDI23 - 2012

CONFORMITY OF METADATA (ANNEX III) - MDI23 - 2013

CONFORMITY OF METADATA (ANNEX III) - MDI23 - 2014

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Conformity of metadata (spatial data services)

European Environment Agency

Accessibility of metadata through discovery services
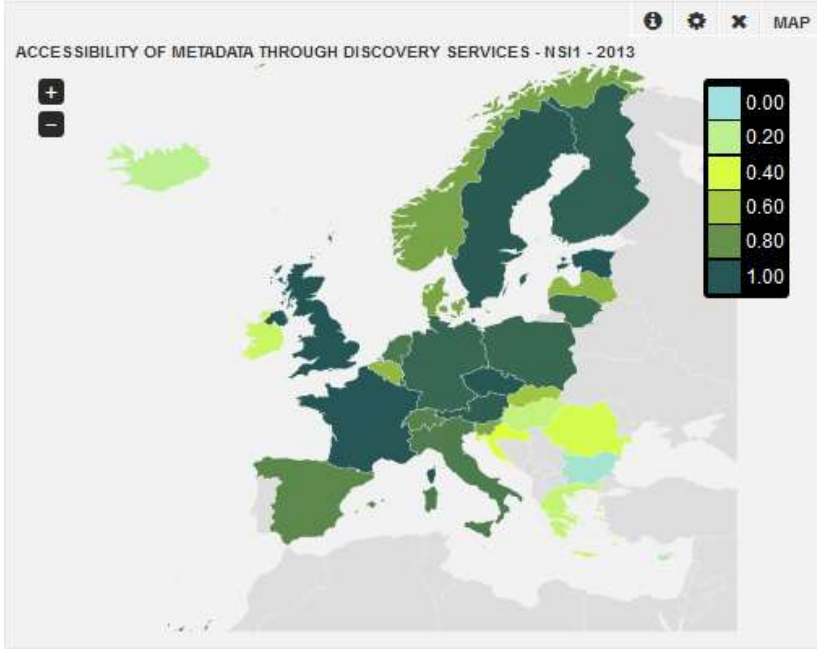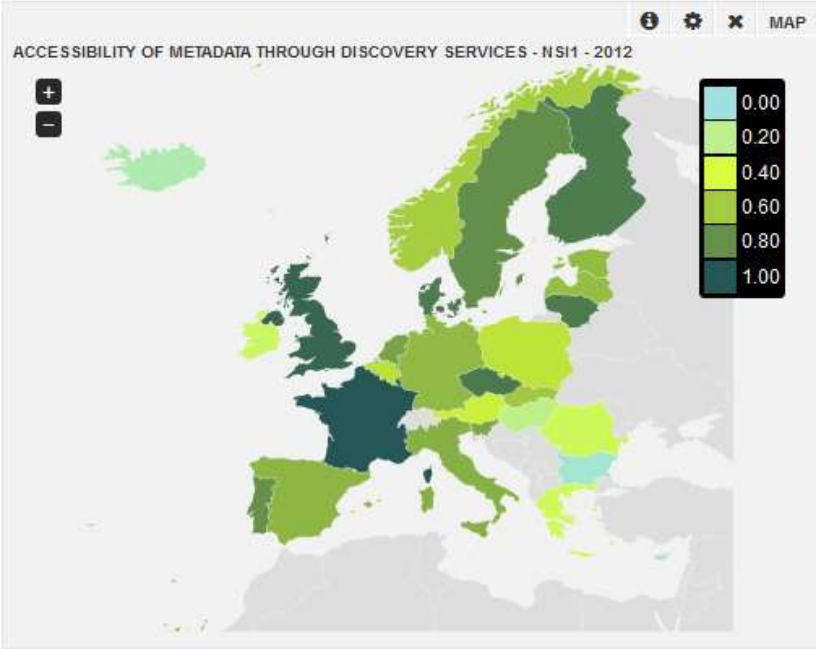
Spatial data sets availability and conformity

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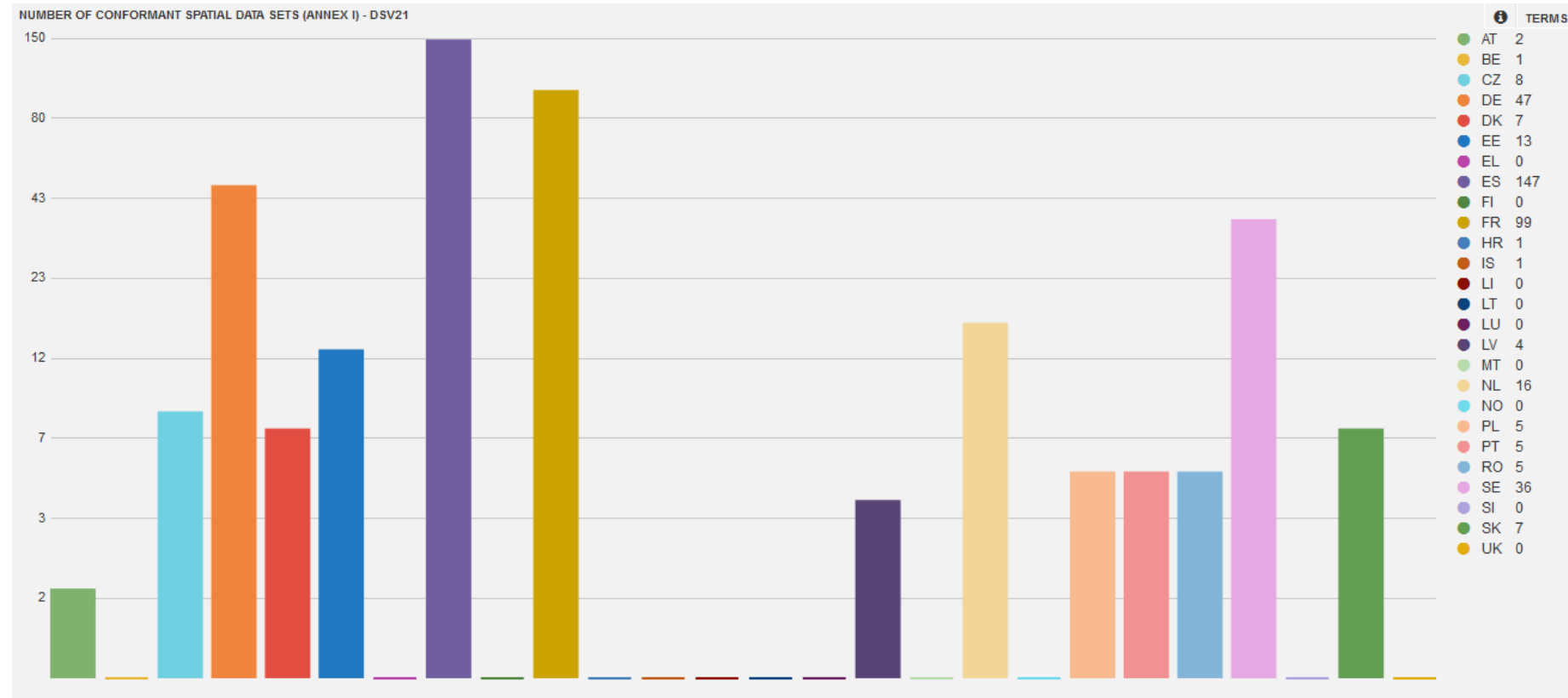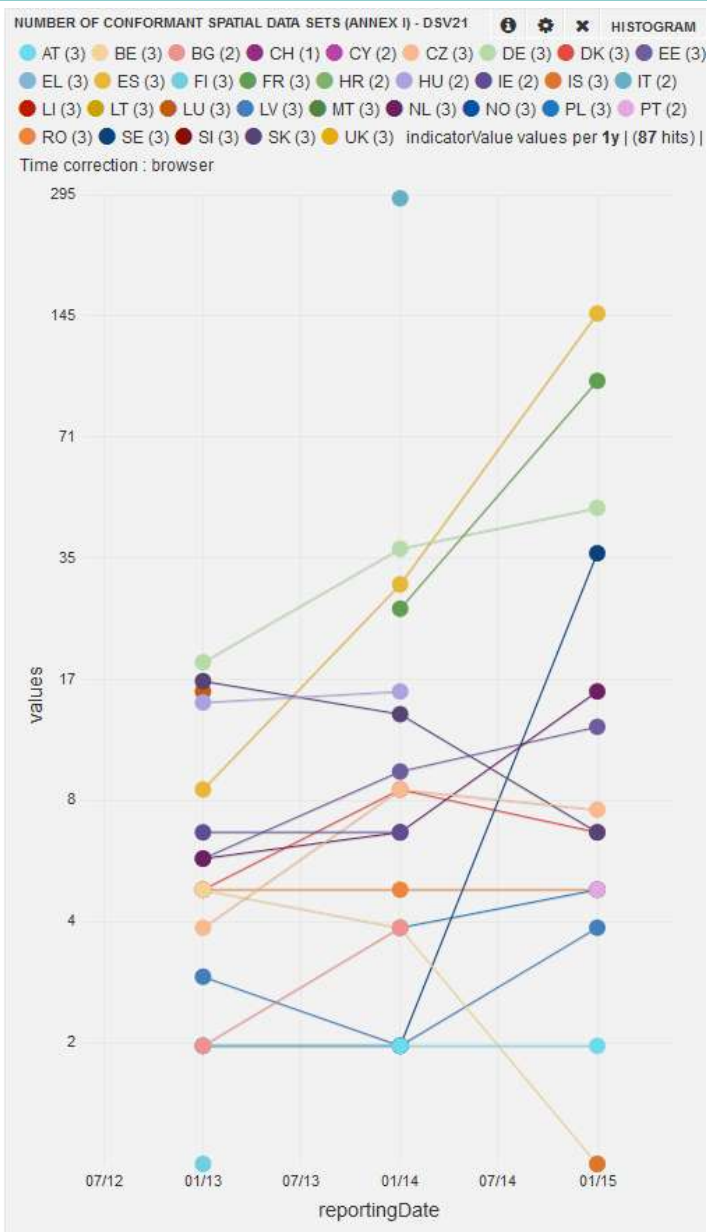# Number of spatial data sets reported

NUMBER OF SPATIAL DATA SETS REPORTED - DSV_NUM

AT	629	
BE	361	
CZ	45	
DE	11,239	
DK	104	
EE	61	
EL	539	
ES	1,431	
FI	389	
FR	16,042	
HR	162	
IS	59	
LI	65	
LT	106	
LU	215	
LV	154	
MT	70	
NL	192	
NO	169	
PL	582	
PT	1,529	
RO	174	
SE	244	
SI	108	
SK	216	
UK	4,154	

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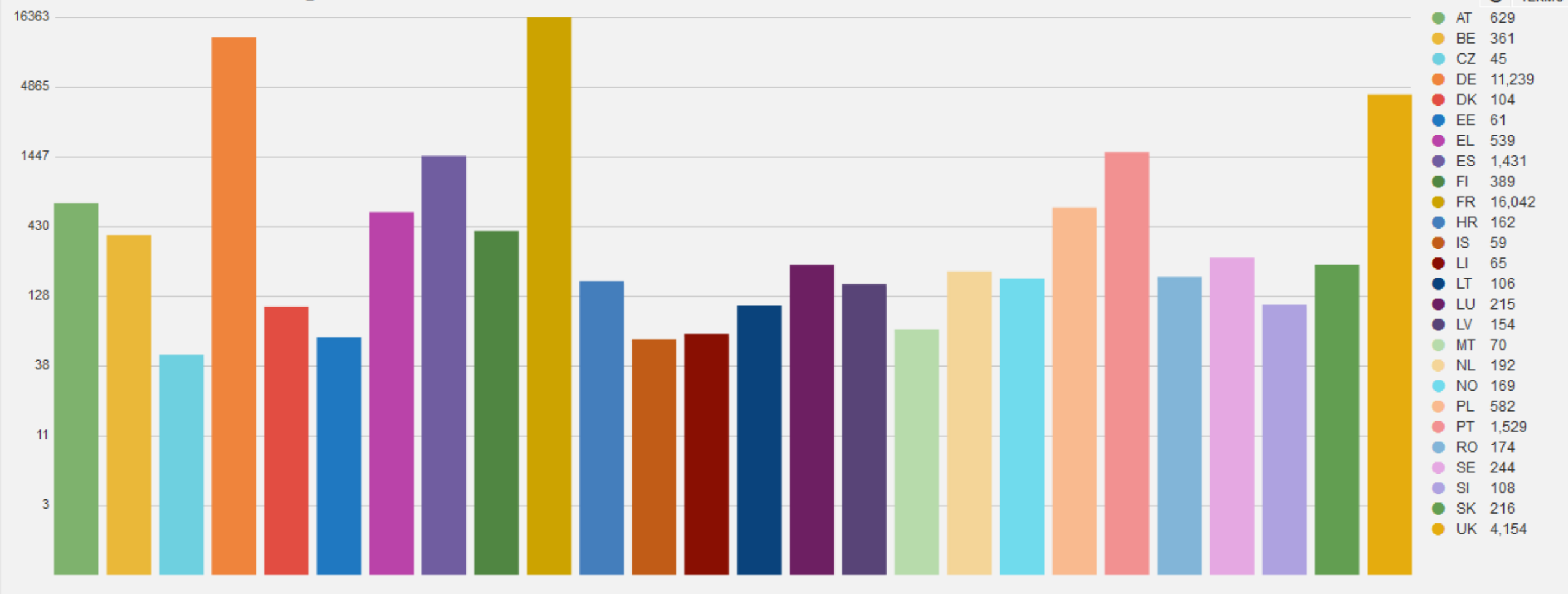
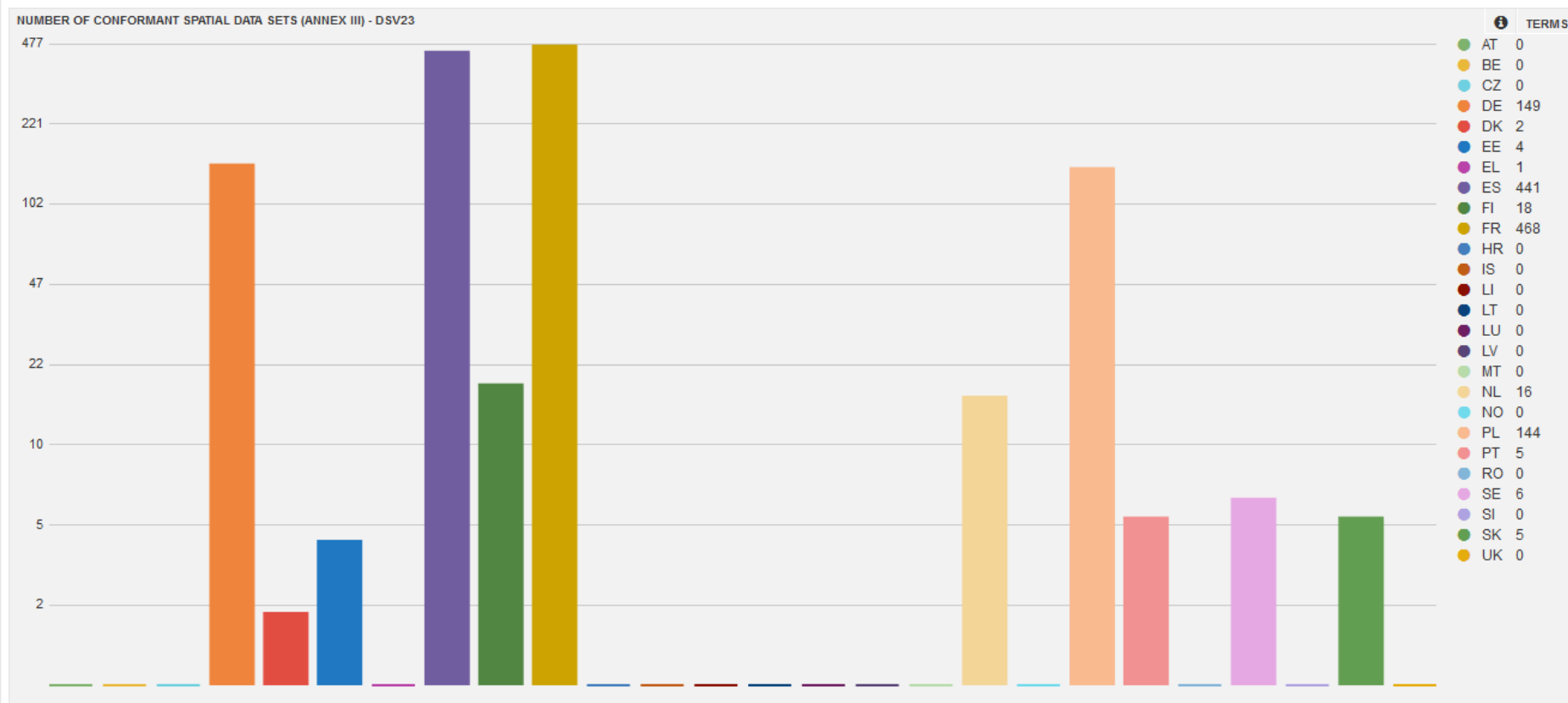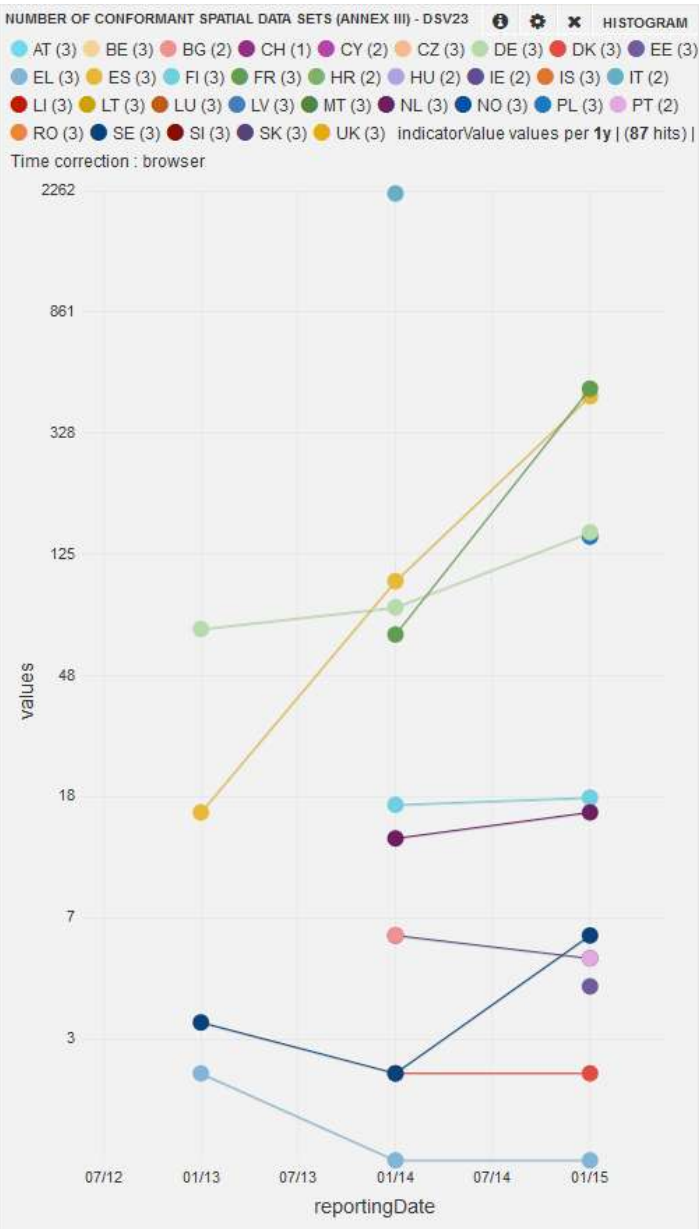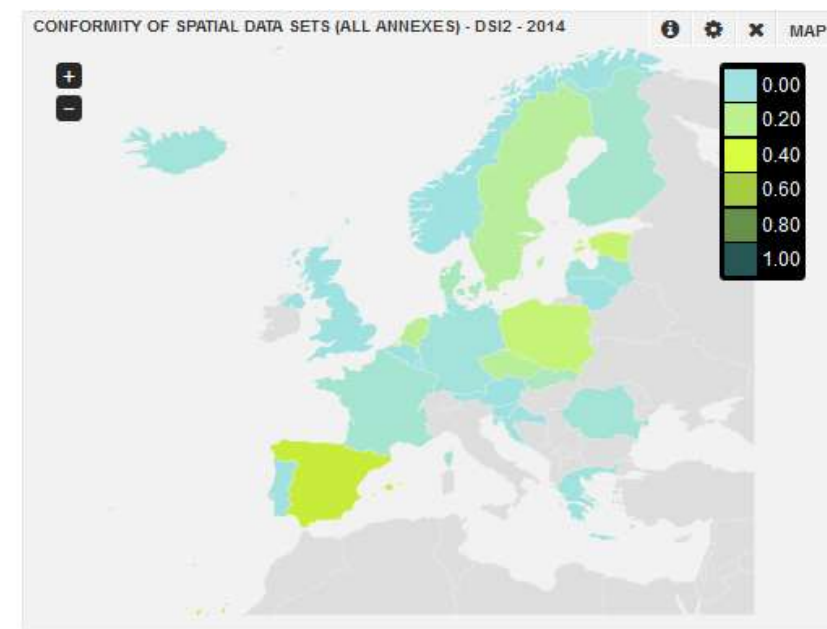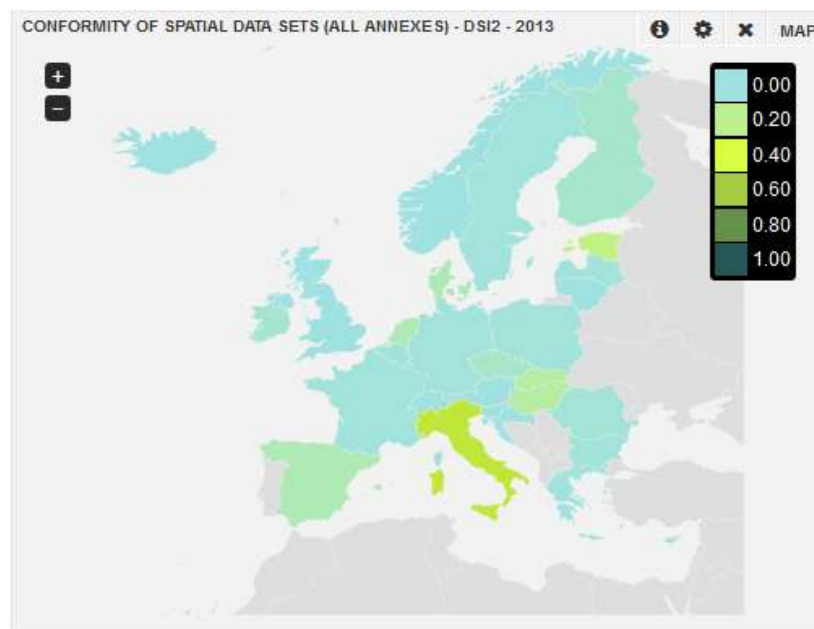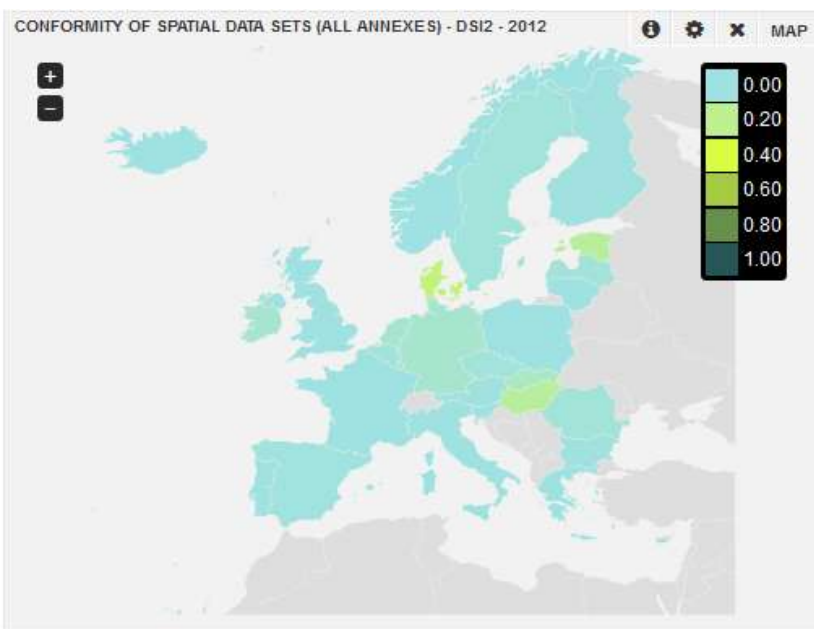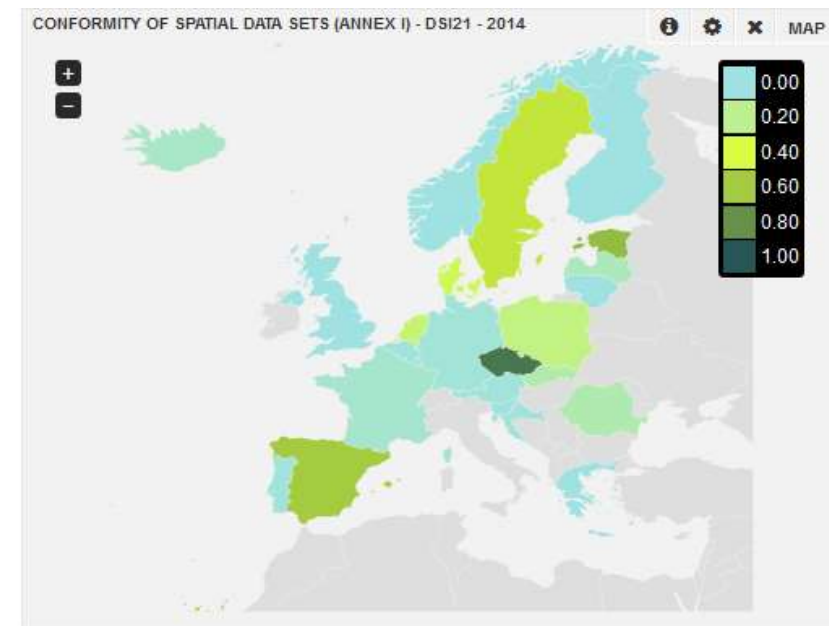# Number of conformant spatial data sets (Annex I)
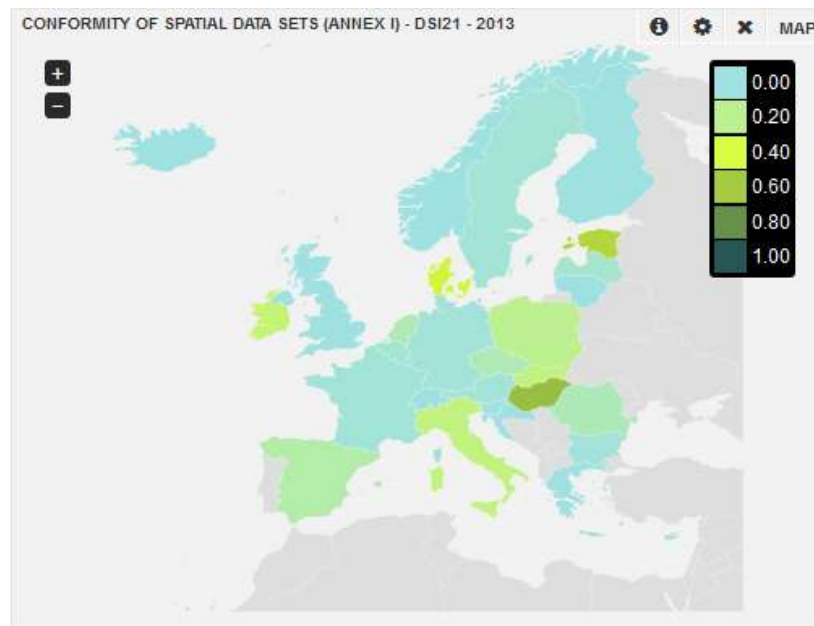
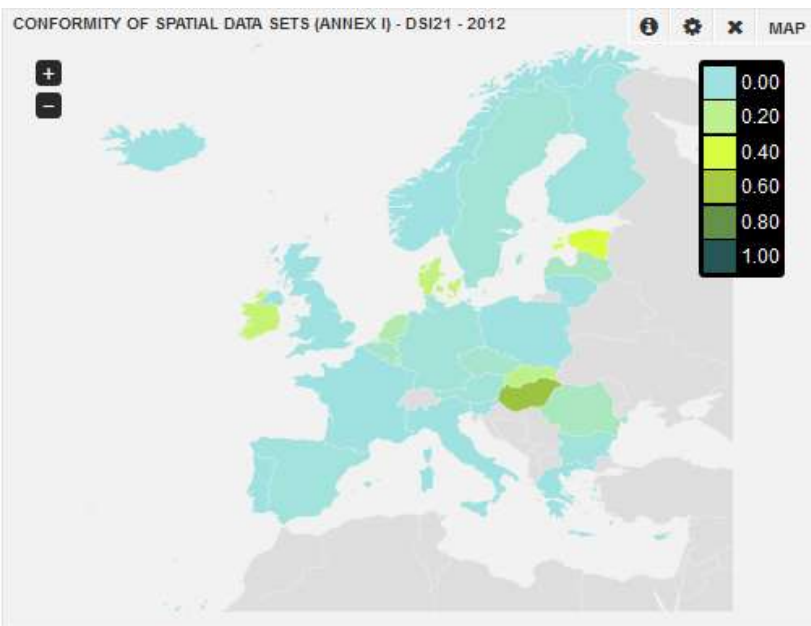# Number of conformant spatial data sets (Annex II)
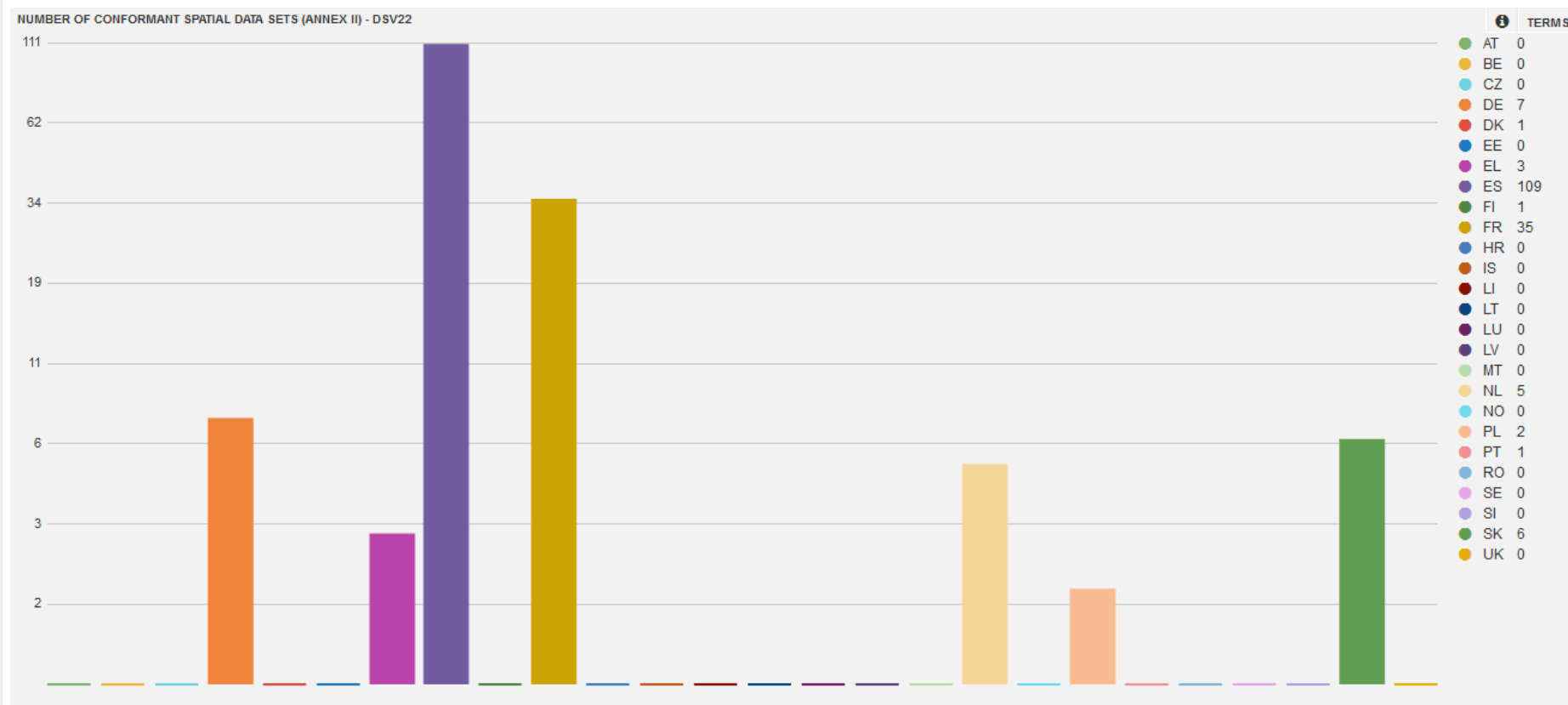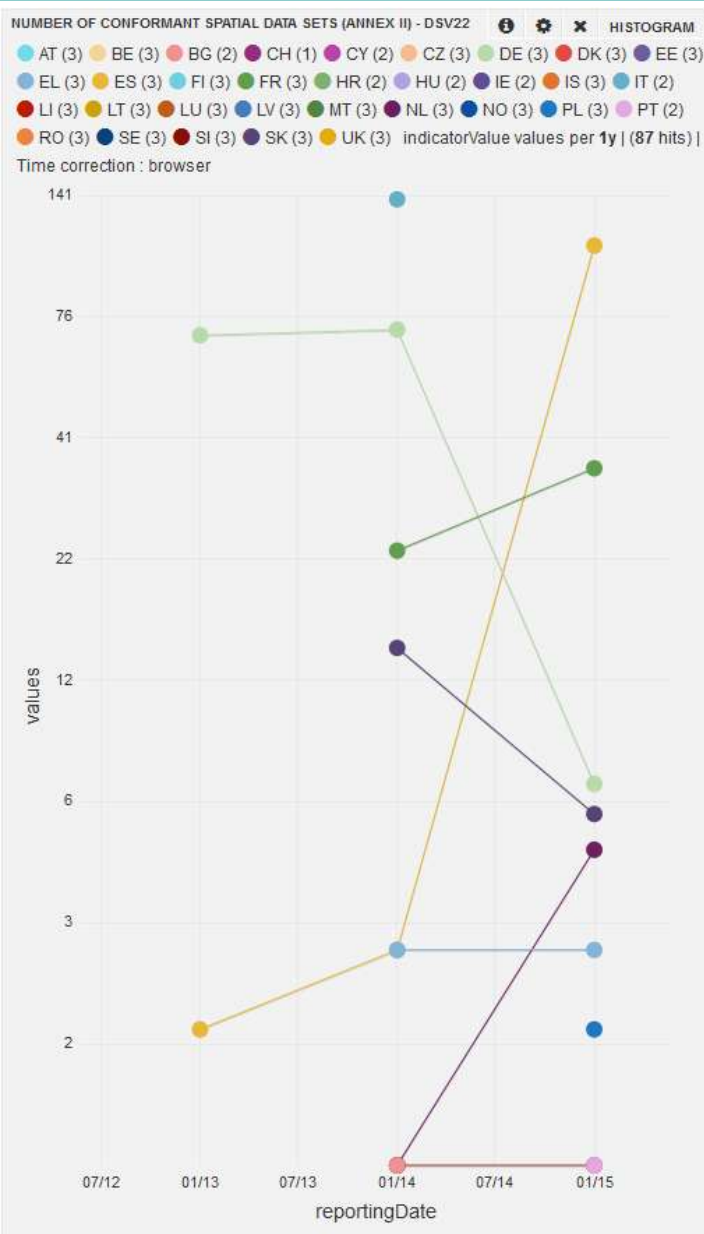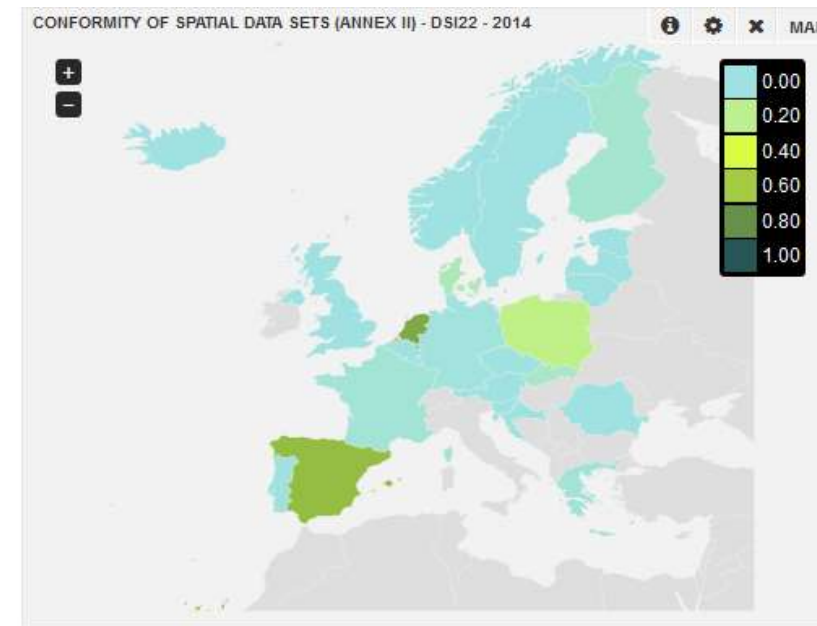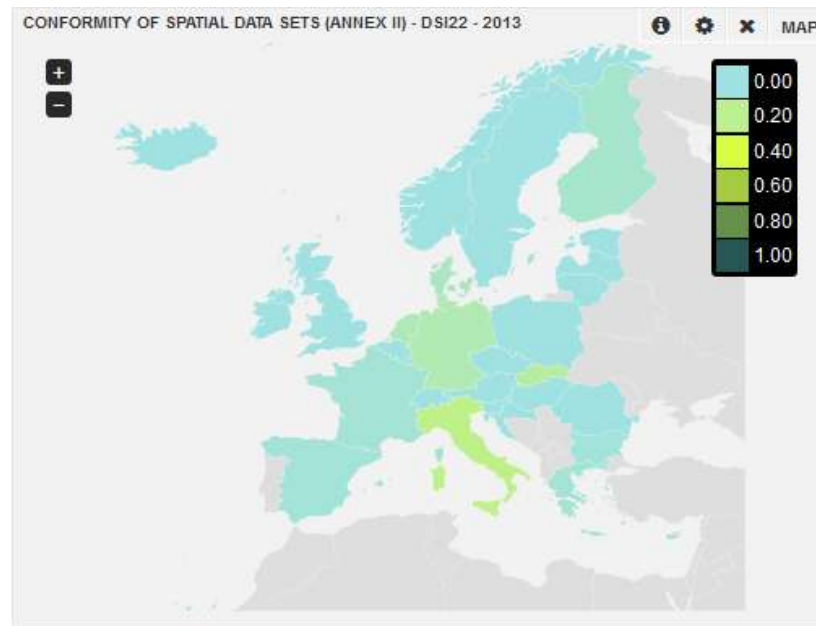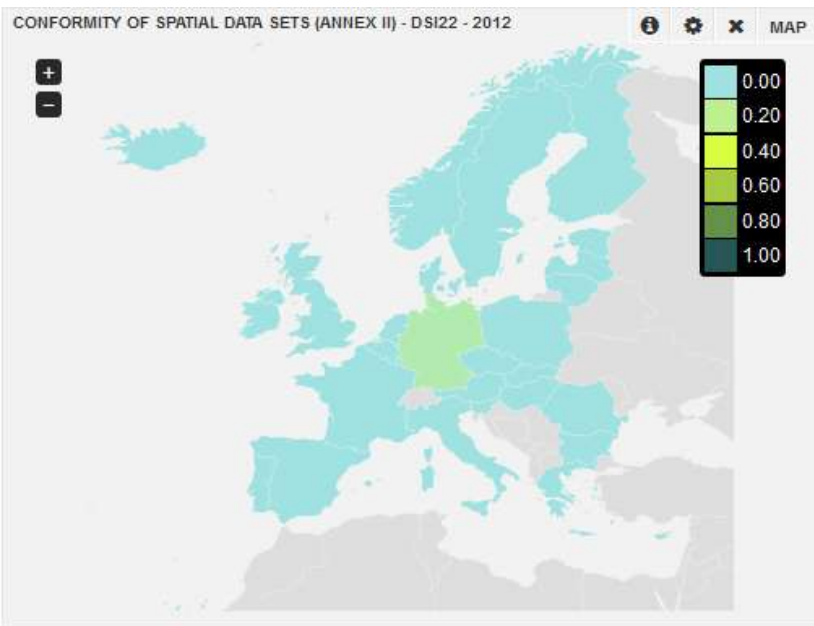
Number of conformant spatial data sets (Annex III)

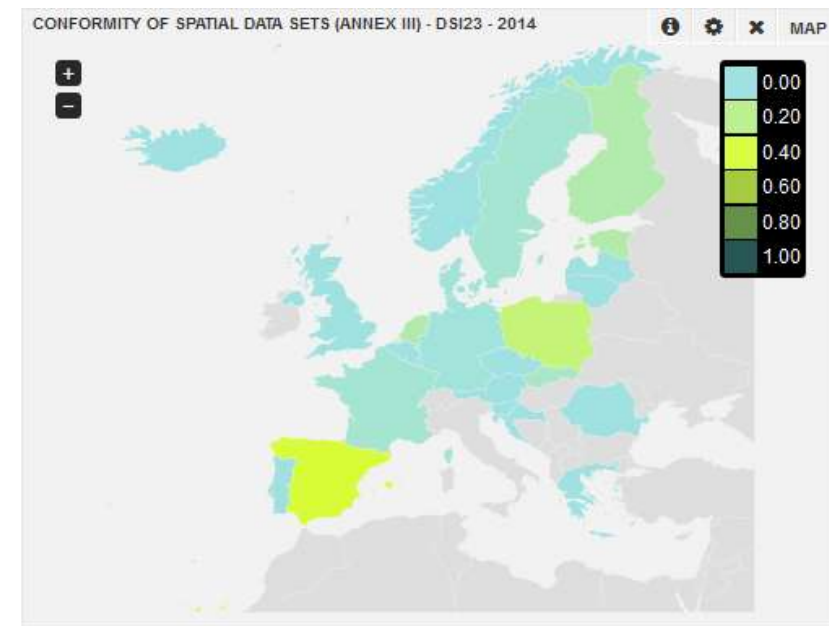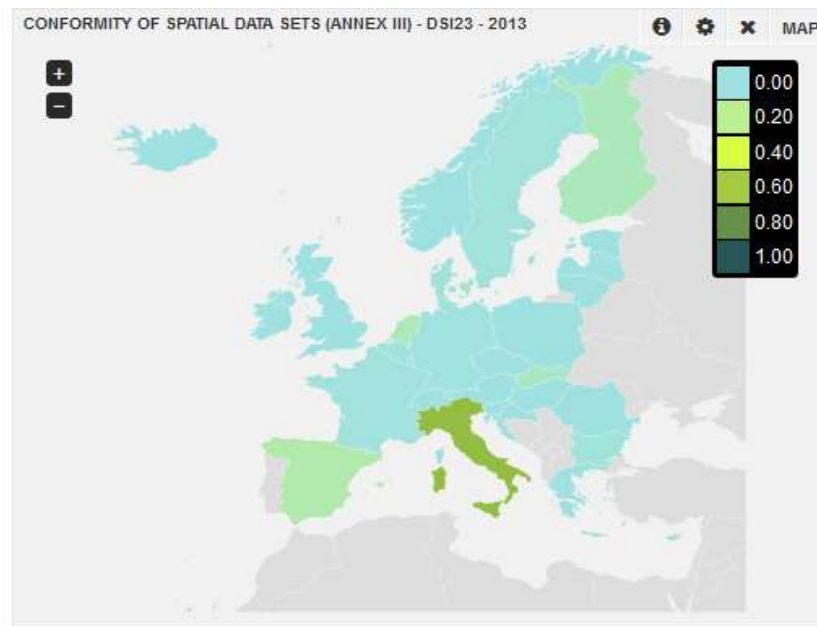# Conformity of spatial data sets (all annexes)

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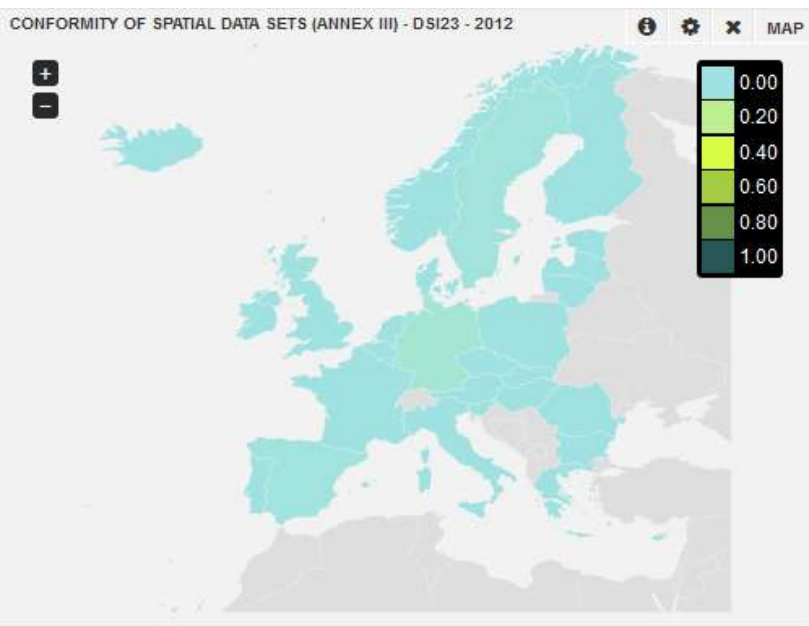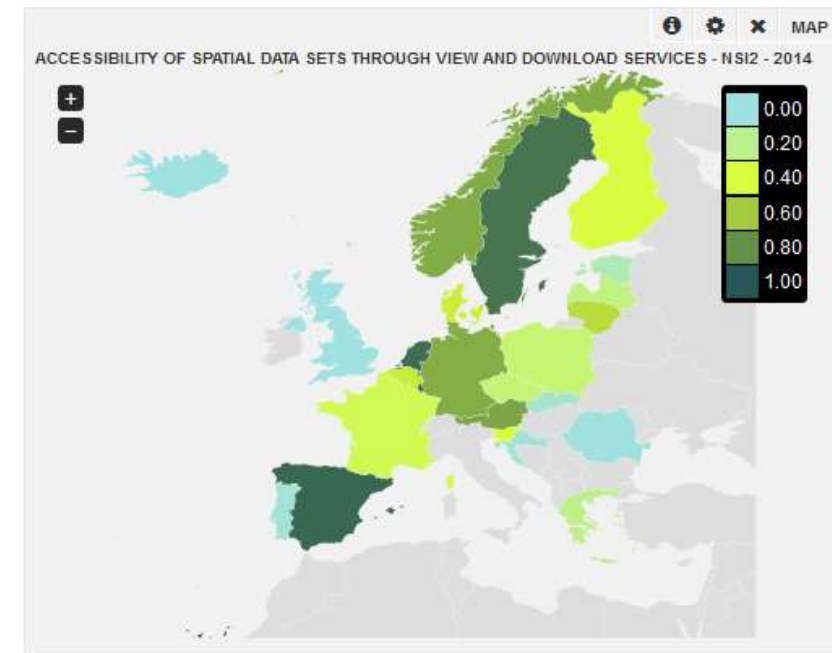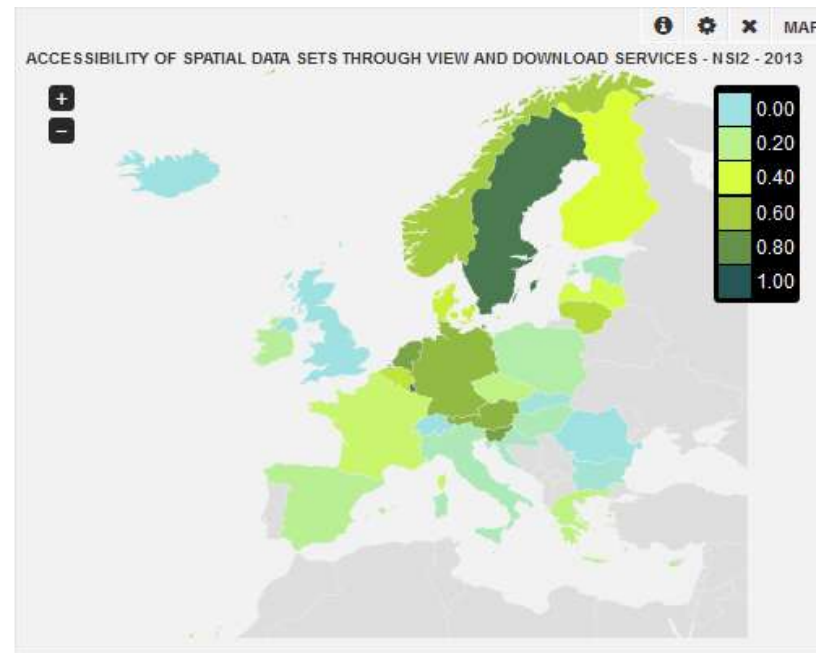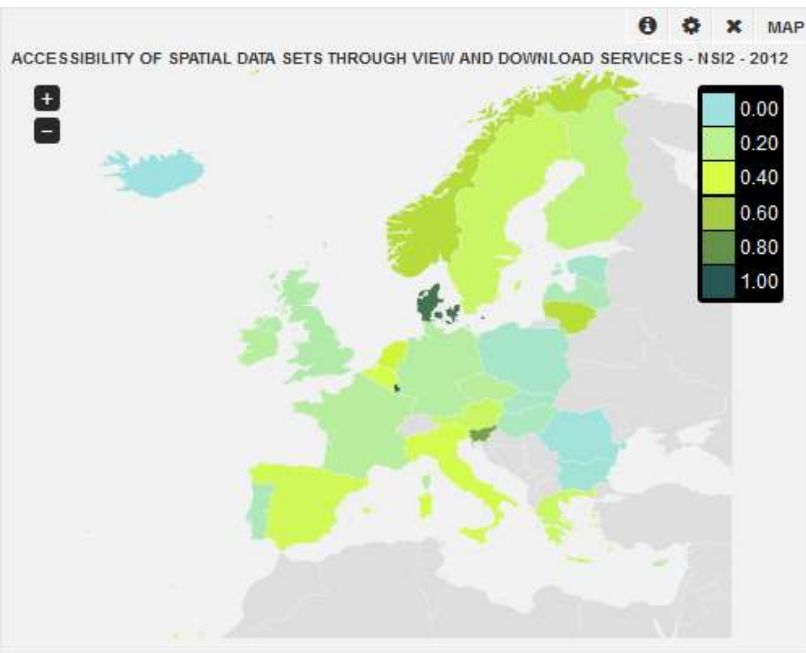# Conformity of spatial data sets (Annex I)

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Conformity of spatial data sets (Annex II)

Conformity of spatial data sets (Annex III)

European Environment Agency

Accessibility of spatial data sets
through view **and** download services

ACCESSIBILITY OF SPATIAL DATA SETS THROUGH VIEW AND DOWNLOAD SERVICES - NSI2 - 2012

ACCESSIBILITY OF SPATIAL DATA SETS THROUGH VIEW AND DOWNLOAD SERVICES - NSI2 - 2013

ACCESSIBILITY OF SPATIAL DATA SETS THROUGH VIEW AND DOWNLOAD SERVICES - NSI2 - 2014
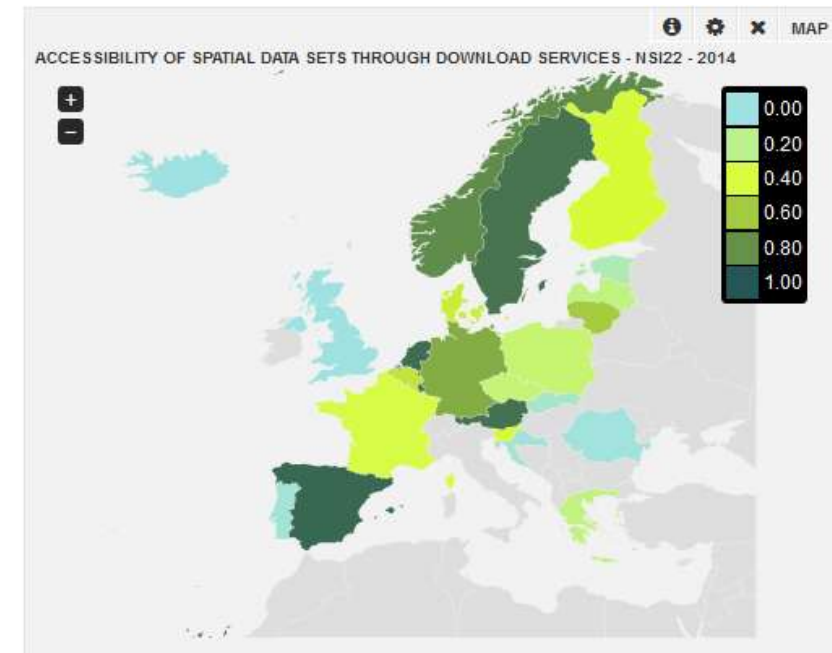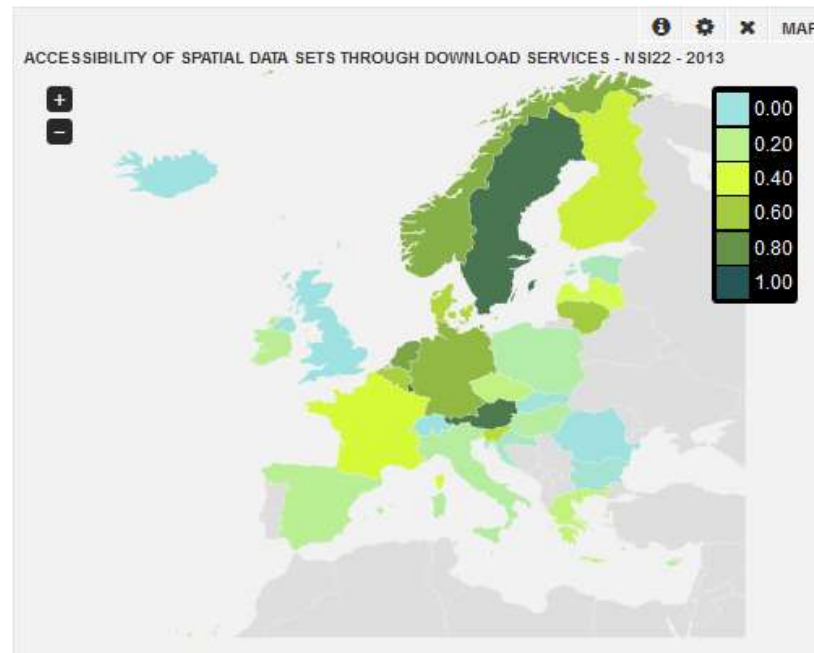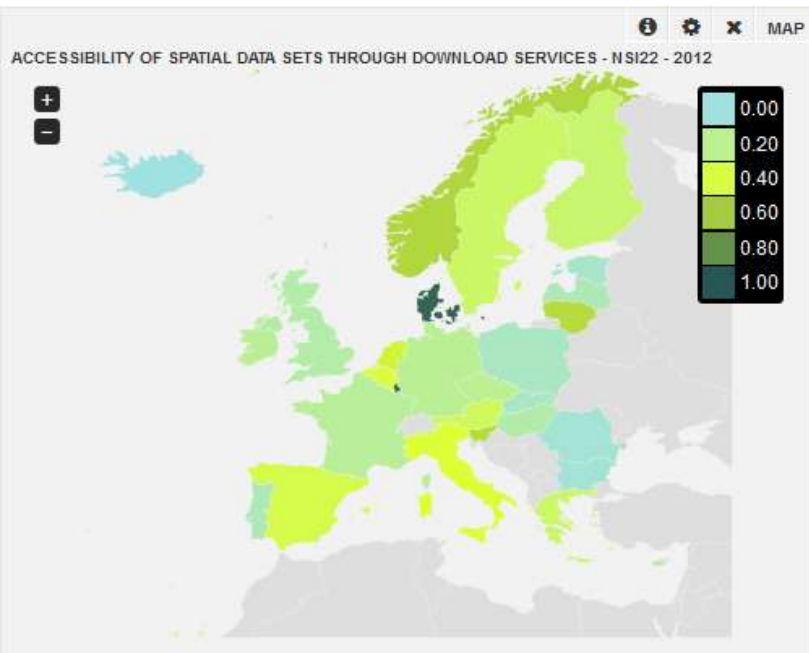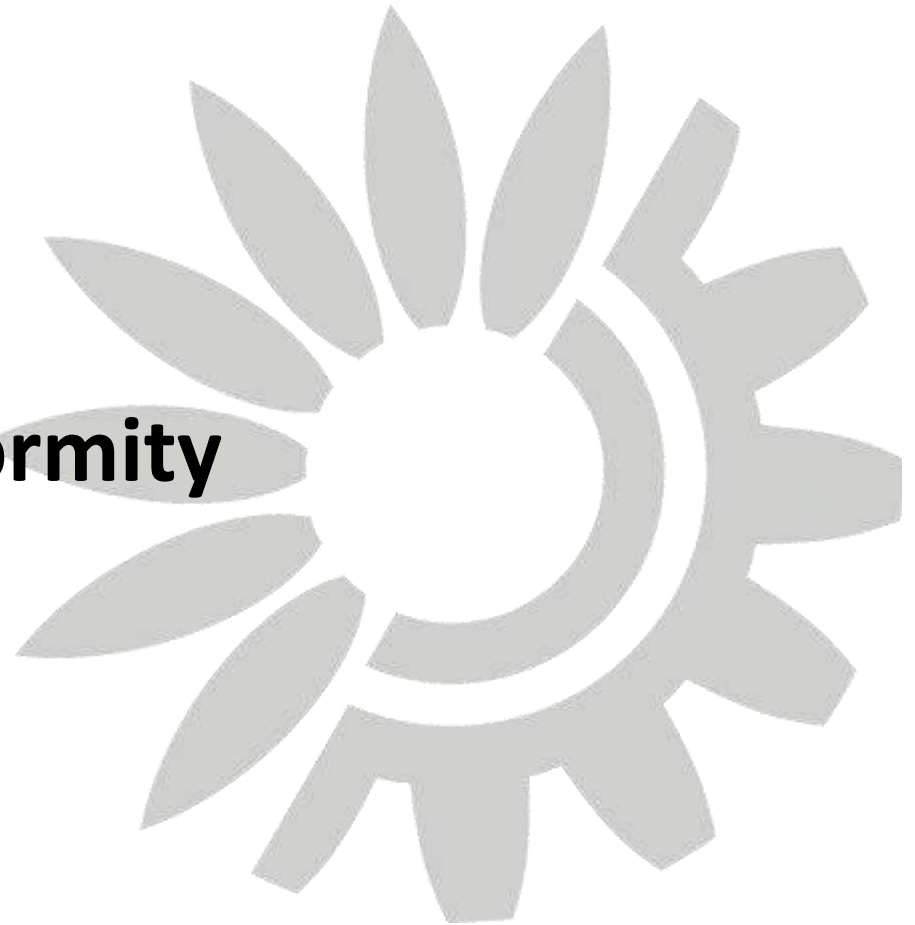
European Environment Agency

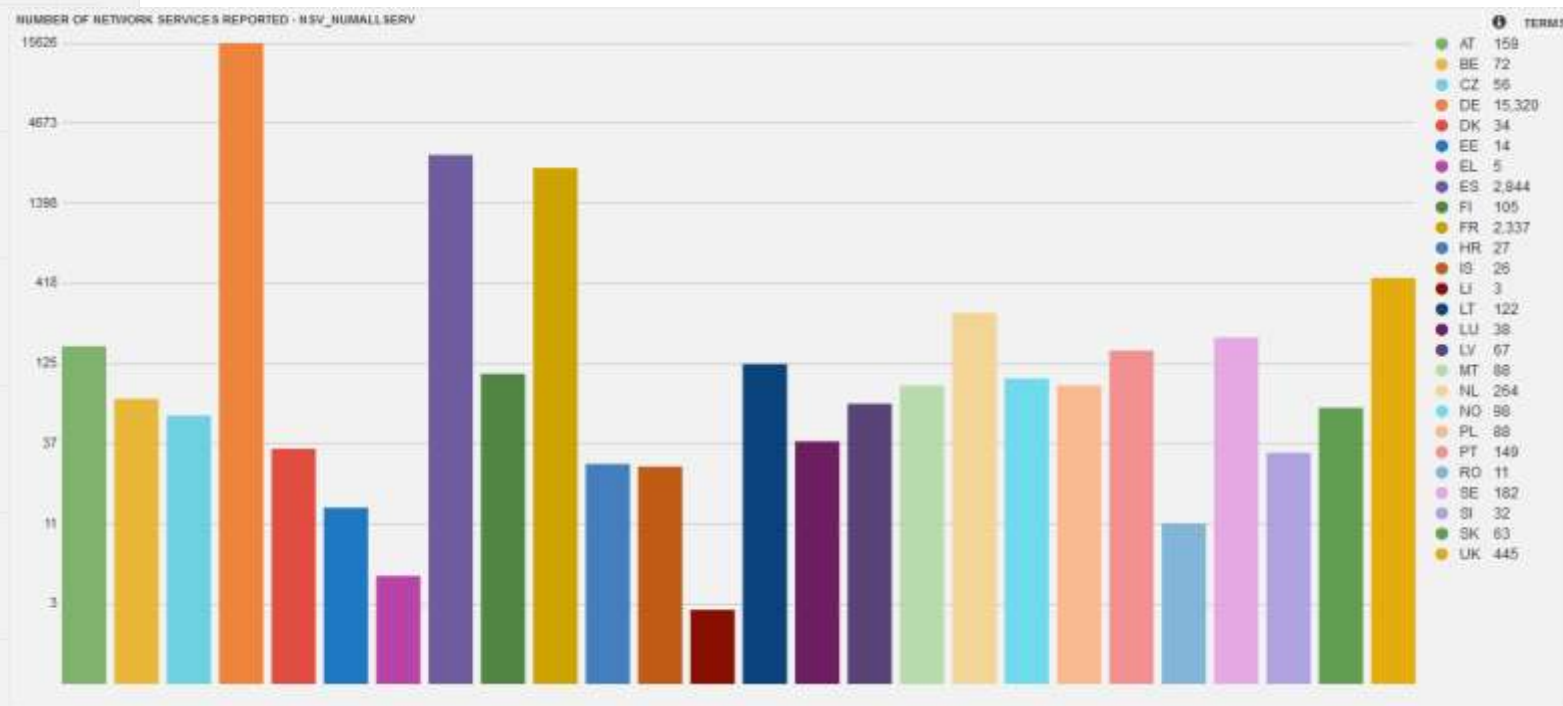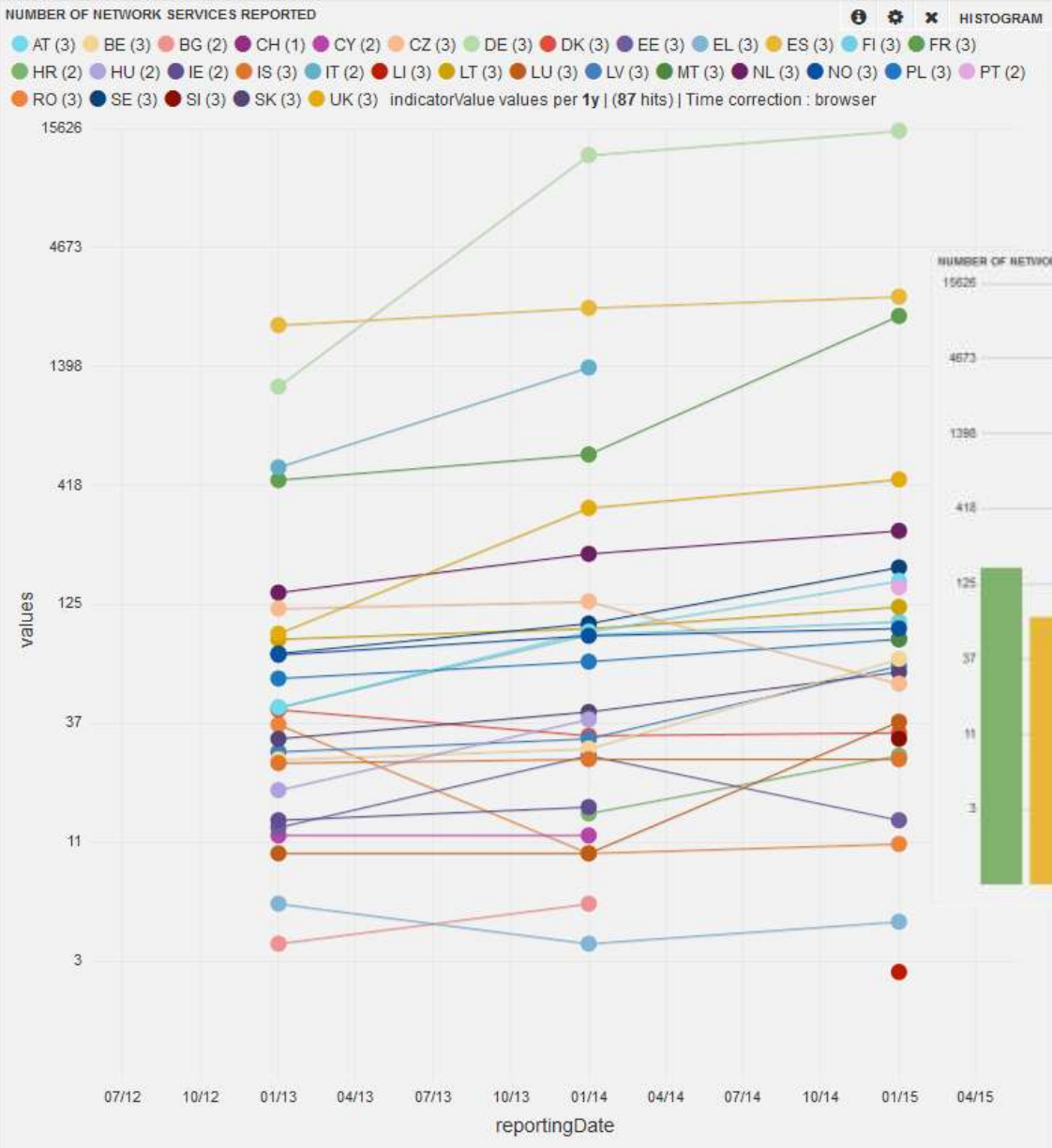# Accessibility of spatial data sets through view services
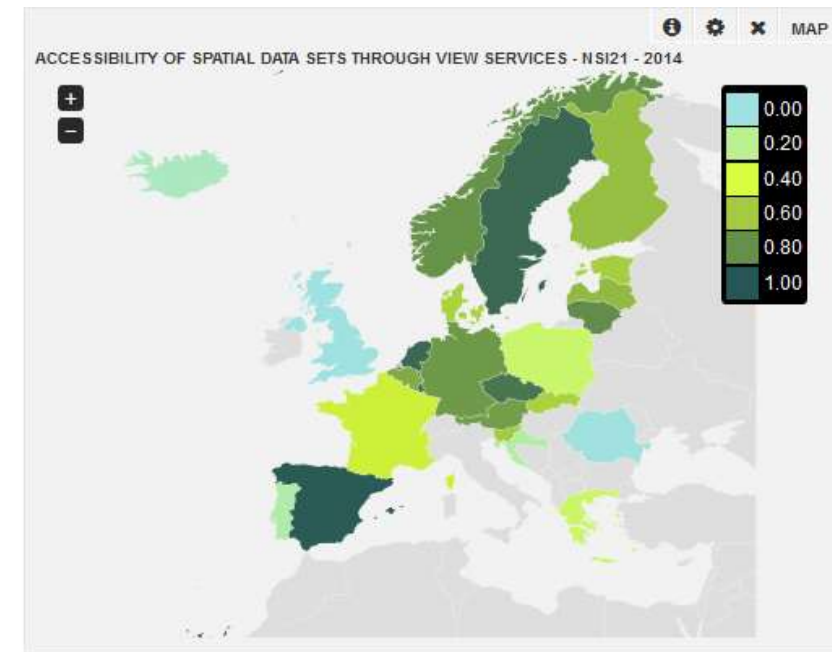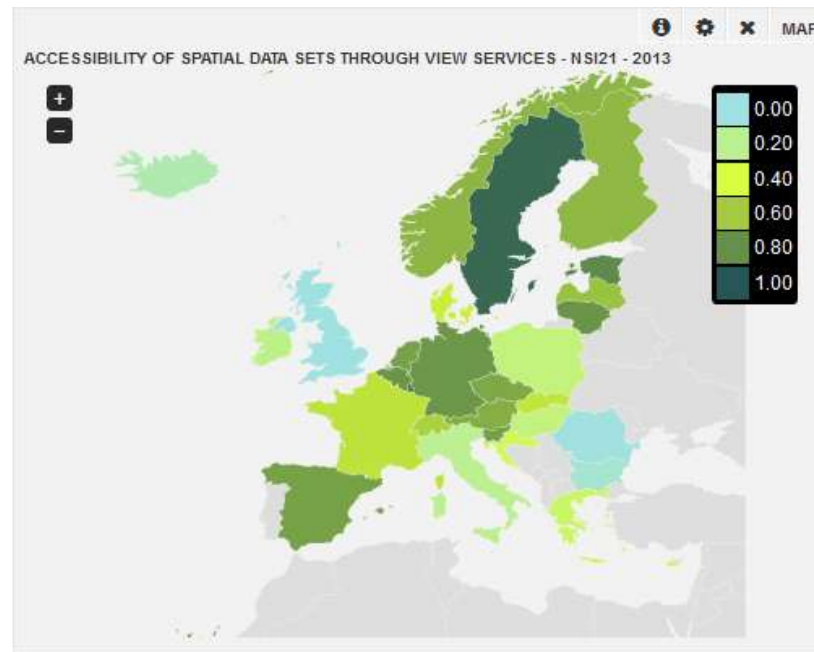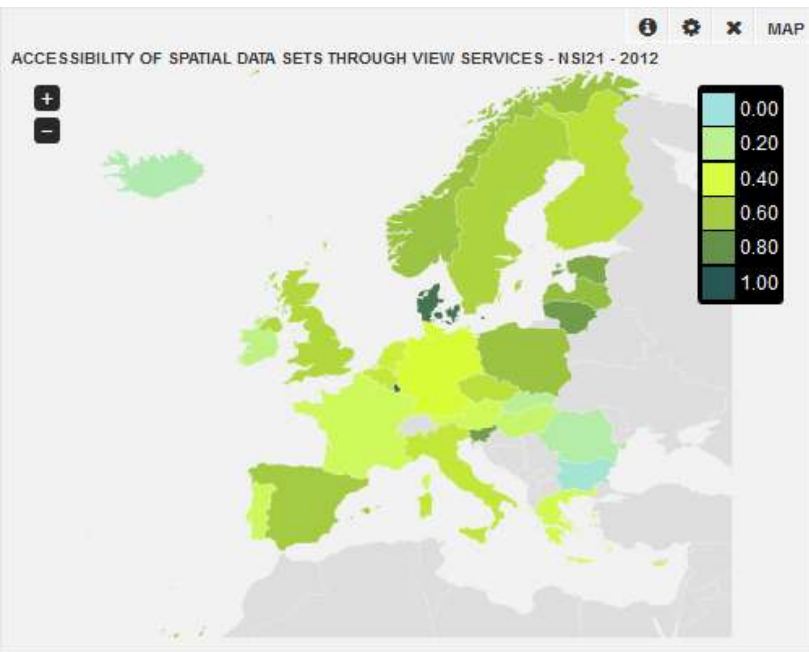
Accessibility of spatial data sets through download services

Network services availability and conformity

Number of network services reported

Number of conformant network services

NUMBER OF CONFORMANT NETWORK SERVICES REPORTED - NSV4

Country	Value
AT	157
BE	22
CZ	52
DE	14,113
DK	12
EE	14
EL	3
ES	99
FI	10
FR	226
HR	5
IS	14
LI	2
LT	0
LU	14
LV	14
MT	1
NL	231
NO	0
PL	71
PT	0
RO	2
SE	131
SI	0
SK	36
UK	445

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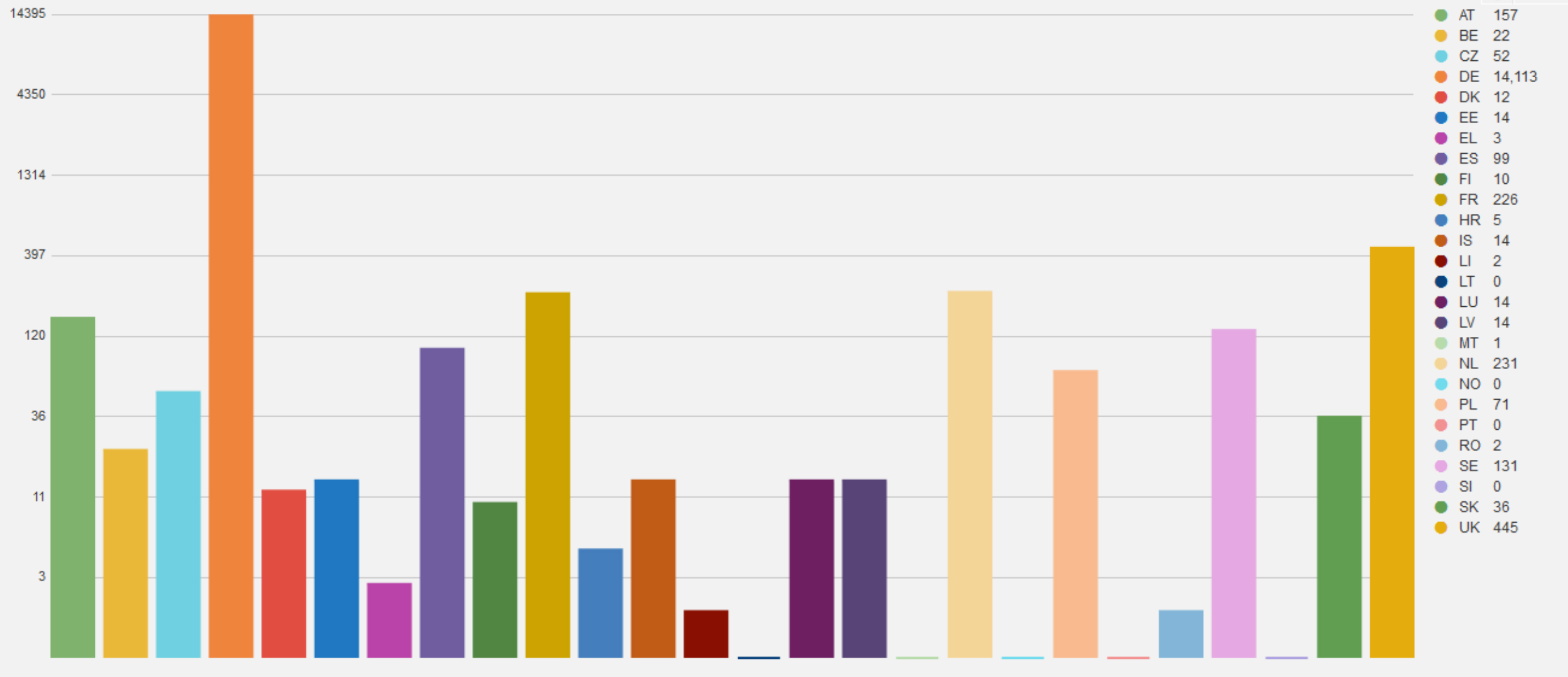
Conformity of discovery network services
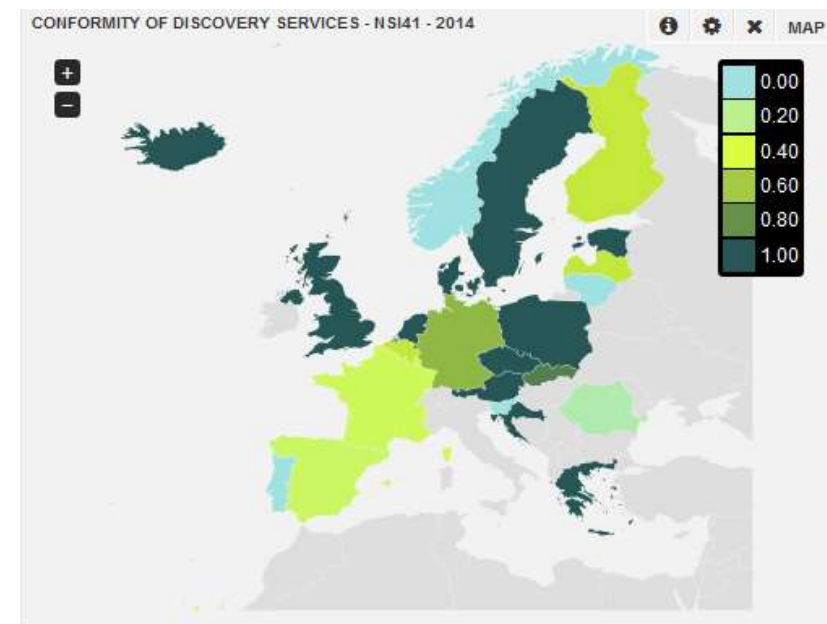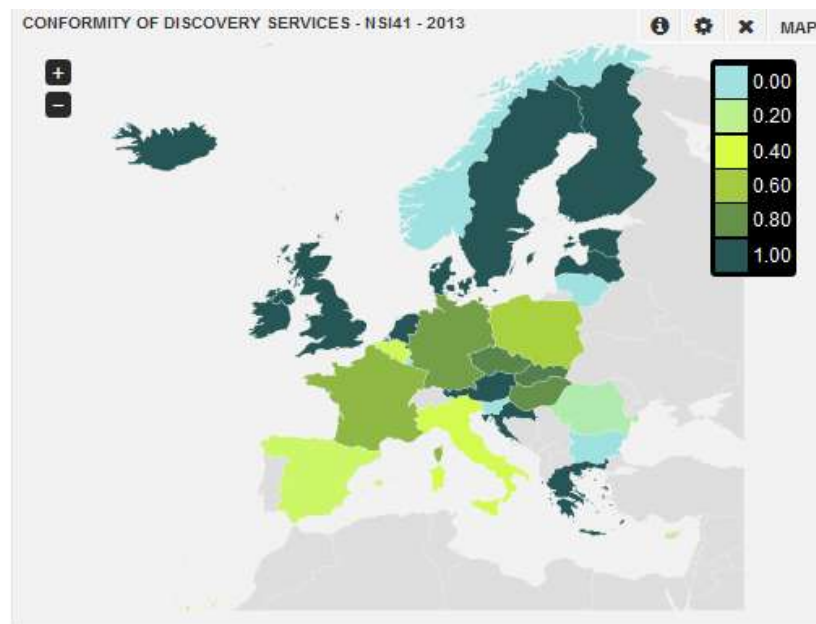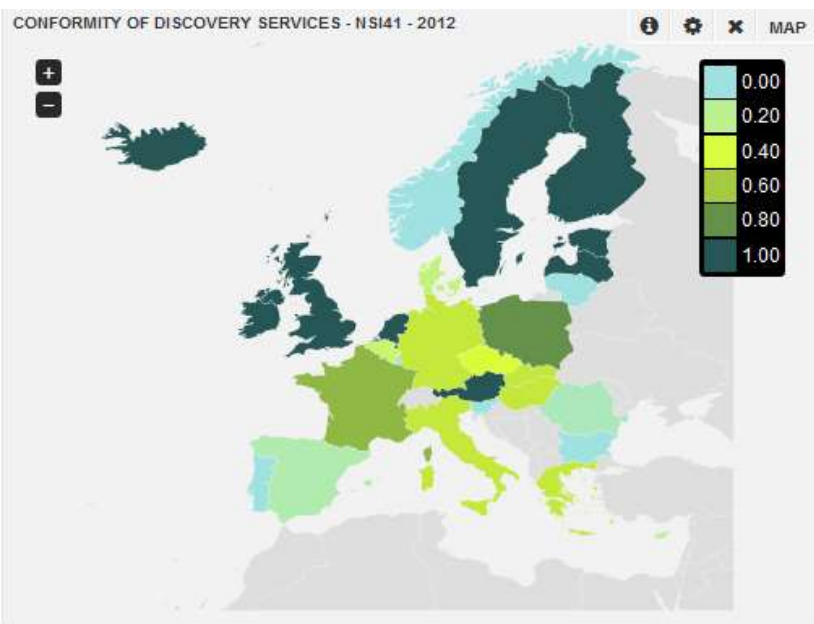
Conformity of view network services
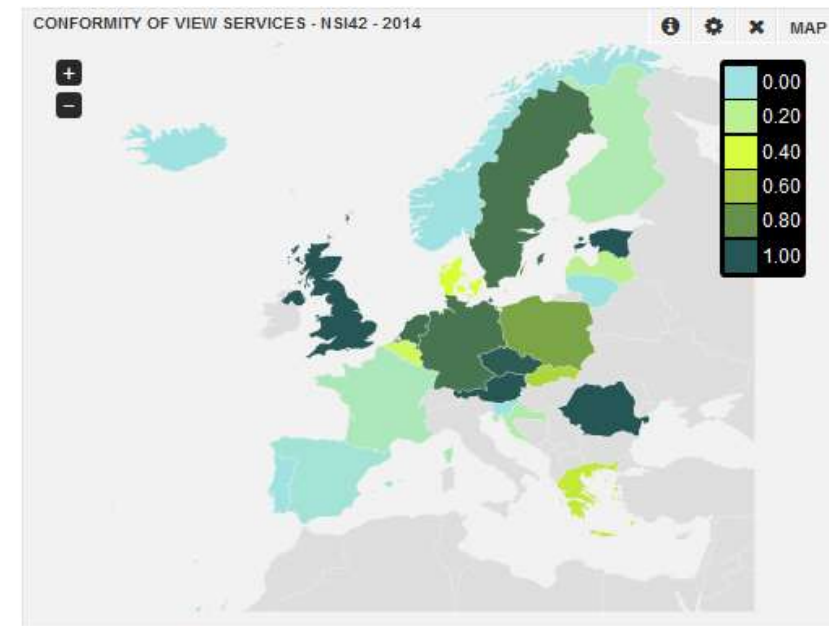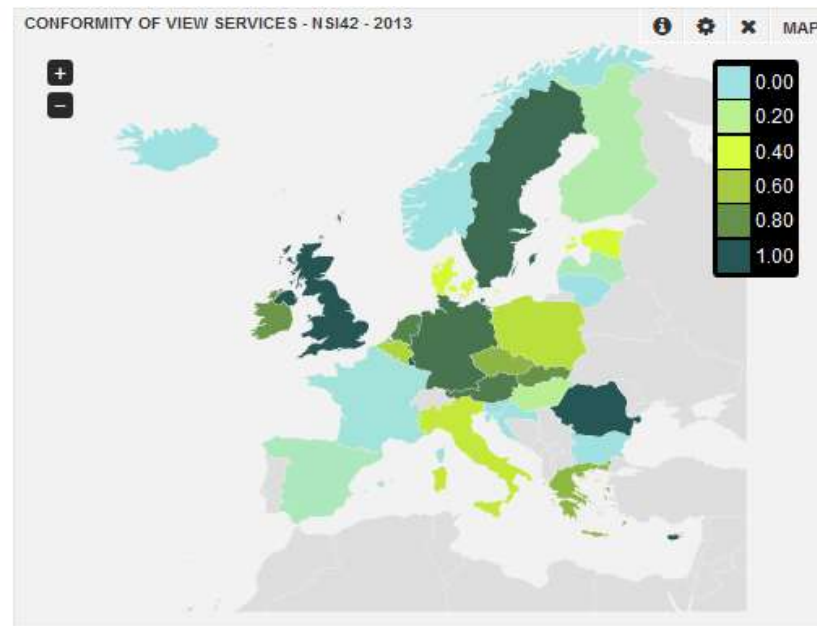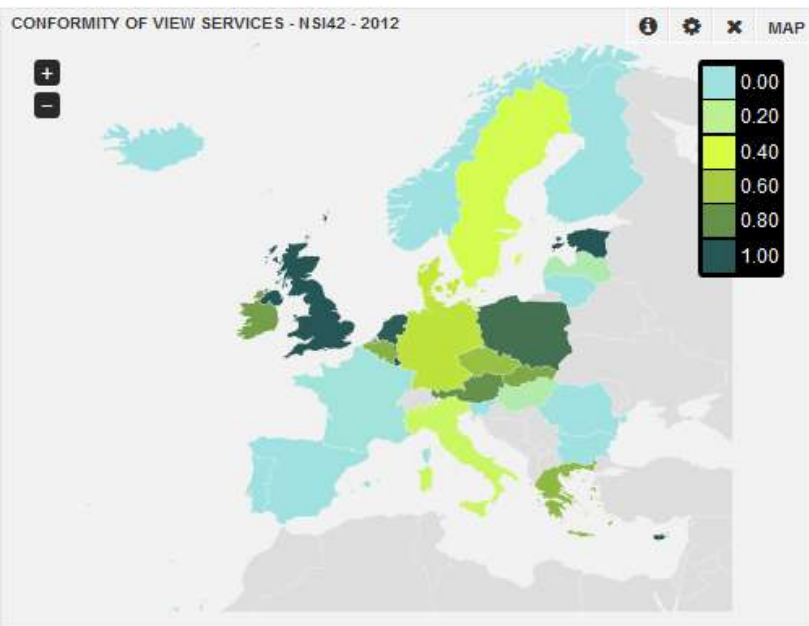
Conformity of download network services

CONFORMITY OF DOWNLOAD SERVICES - NSI43 - 2012

| 0.00 |
| 0.20 |
| 0.40 |
| 0.60 |
| 0.80 |
| 1.00 |

CONFORMITY OF DOWNLOAD SERVICES - NSI43 - 2013

| 0.00 |
| 0.20 |
| 0.40 |
| 0.60 |
| 0.80 |
| 1.00 |

CONFORMITY OF DOWNLOAD SERVICES - NSI43 - 2014

| 0.00 |
| 0.20 |
| 0.40 |
| 0.60 |
| 0.80 |
| 1.00 |

European Environment Agency
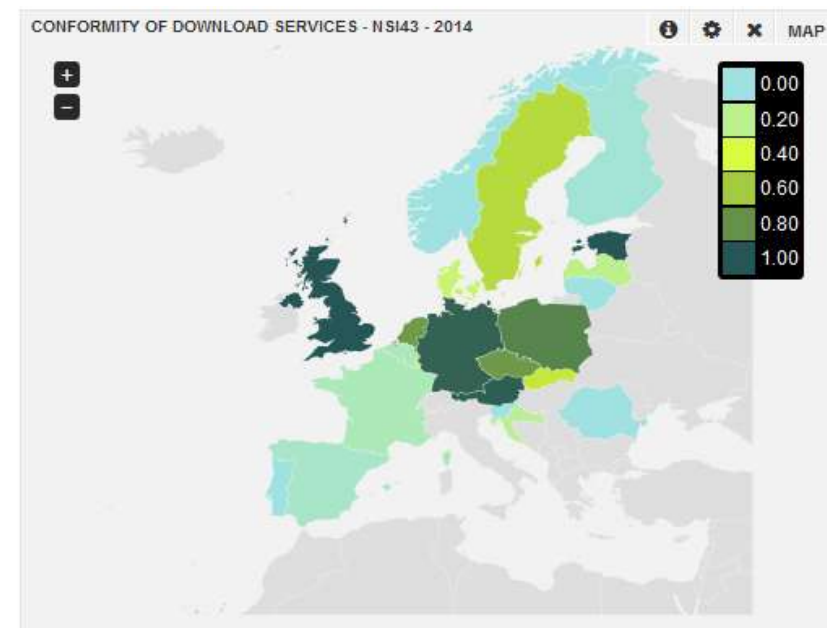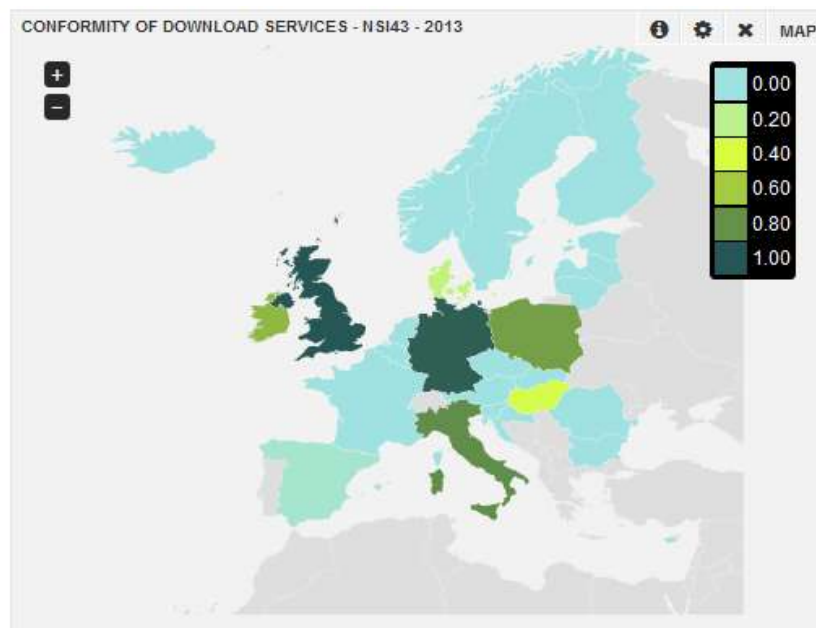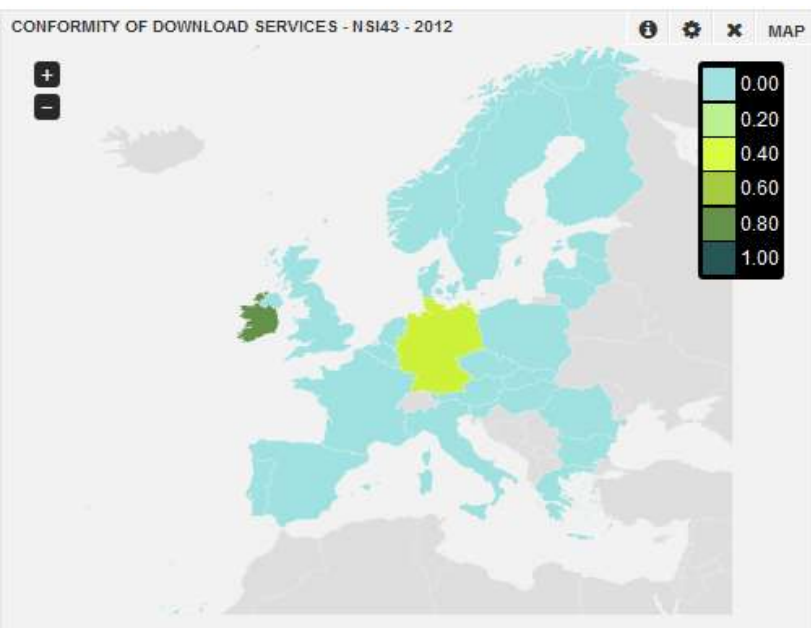
Ongoing work around Monitoring

- MIG/MIWP-16
    - Objective: Improve usefulness and reliability of monitoring information
    - Group active since January 2014
    - Focus on:
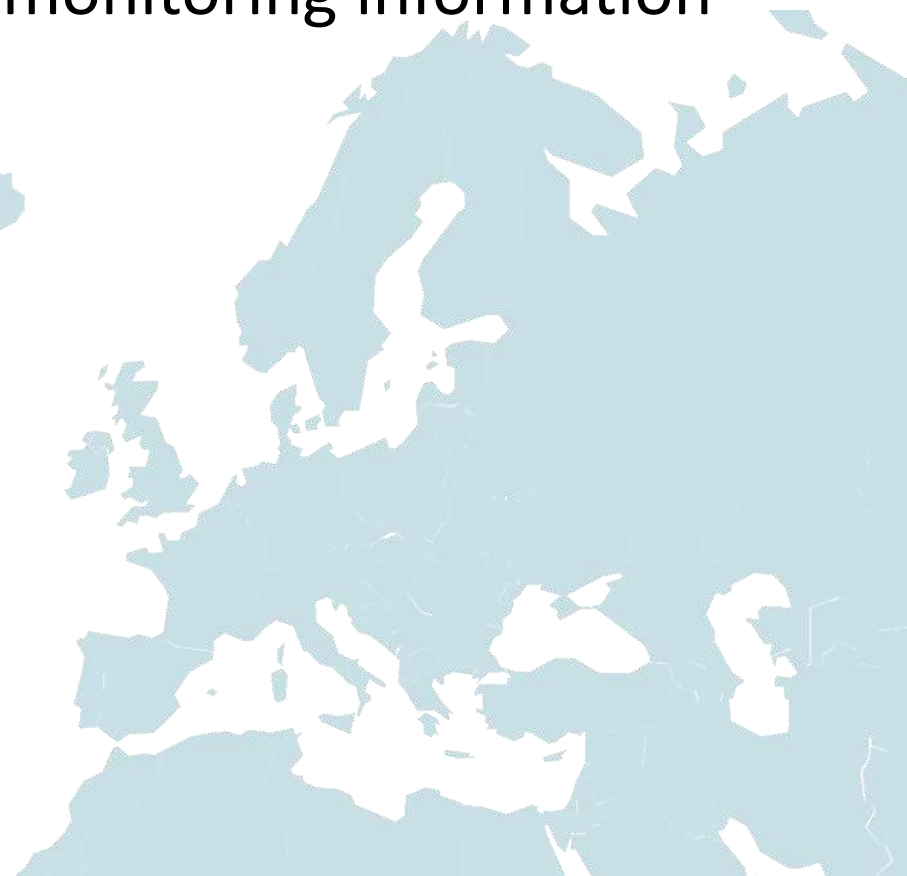   - Developing further the dashboard
            - to better support automated monitoring
            - to improve the visualisation of the indicators
        - Reviewing the indicators
- Improve the quality of the reported data

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Thank you

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