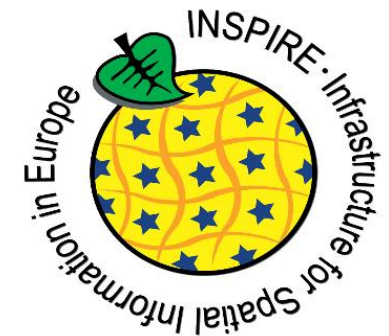


# eReporting and INSPIRE

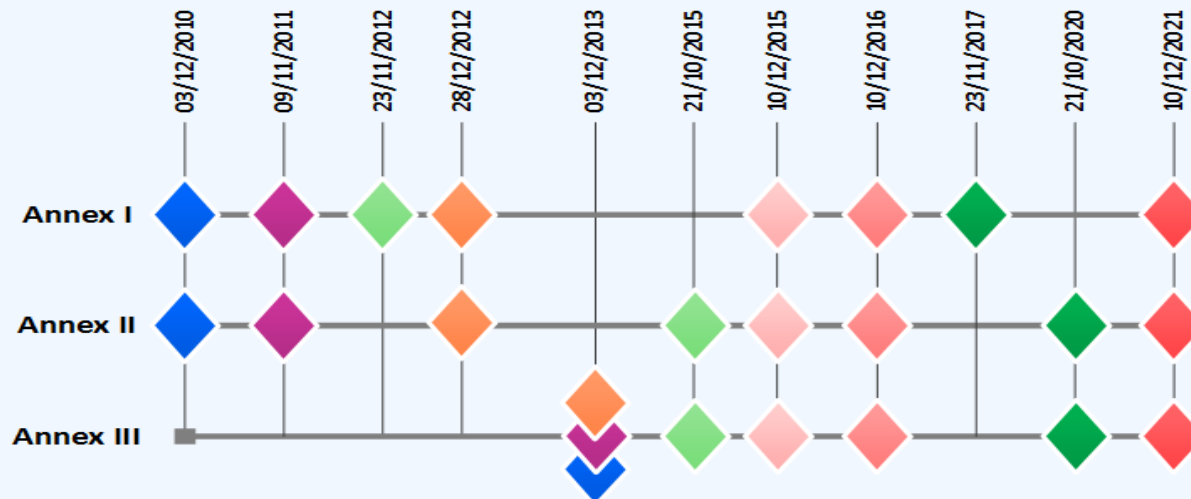
concept note version 18.5.2017

„The future of eReporting and the link to INSPIRE“



# Background

## INSPIRE Implementation Roadmap



|   |   |   |
|---|---|---|
| <b>Discovery metadata</b> shall be available for spatial data sets and services   | Spatial data sets shall be available for <b>discovery and view</b> from the INSPIRE geo-portal (data does not yet need to be conformant to IR-ISDSS)  | Spatial data sets shall be available for <b>download and transformation</b> (whenever applicable <sup>1</sup> ) from the INSPIRE geo-portal (data does not yet need to be conformant to IR-ISDSS <sup>2</sup> ) |
| <b>Newly collected and extensively restructured spatial data sets</b> shall be <b>conformant to IR-ISDSS</b> (incl. <b>metadata for interoperability</b> ) and available through network services | <b>All spatial data sets</b> shall be <b>conformant to IR-ISDSS</b> (incl. <b>metadata for interoperability</b> ) and available through network services  |   |
| <b>All invocable spatial data services</b> shall be <b>conformant to Annex V of IR-ISDSS</b> (incl. <b>metadata</b> )   | <b>Invocable spatial data services related to newly collected and extensively restructured spatial data sets</b> shall be <b>conformant to Annexes VI and</b> (where practicable) <b>VII of IR-ISDSS</b> (incl. <b>metadata</b> ) | <b>All invocable spatial data services</b> shall be <b>conformant to Annexes VI and</b> (where practicable) <b>VII of IR-ISDSS</b> (incl. <b>metadata</b> )   |

IR-ISDSS = Implementing Rules on interoperability of spatial data sets and services (Commission Regulation (EU) No. 1089/2010), including its amendments Regulations (EU) No. 102/2011, 1253/2013 and 1312/2014

<sup>1</sup> Transformation Services only need to be provided if data sets are not made conformant with the IR-ISDSS by some other means (see Art. 7(3) of the INSPIRE Directive)

<sup>2</sup> With the exception of newly collected and extensively restructured Annex I data sets, which already have to be compliant with the IR-ISDSS by 23/11/2012



# Problem definition

- Difference in terminology used by INSPIRE (cross-domain, re-usable models) compared to those in specific policy domains
- Transformations of environmental spatial data (models) require effort and do not provide immediate benefits
- Re-engineering has to be timed properly
- Lack of understanding which datasets are in scope
- Technical understanding often limited – together with the benefit discussion this is a reason why Reportnet has not yet been adapted
- INSPIRE data specifications cover reporting use cases to a very different degree
- Reporting deals with numerical, spatial and other data – only AQ exists as a „holistic“ and „integrated“ example
- Changes needed in data validation when using service based reporting



1. Identify relevant spatial datasets
2. Ensure proper documentation (metadata)
3. Make identified data available through web based services
4. Transform the identified datasets into pre-defined data models

# Approach to define spatial datasets

## *Maturity level concept*

INSPIRE basic, essential, premium  
(to under-pin a stepwise approach)

## **+ Data typology**

Type 1 – geospatial reference data

Type 2 – environmental data (attributes, extensions)

Type 3 – textual and contextual data

## **= Together on member state level**

INSPIRE basic – type 1 as-is

INSPIRE essential – type 1 and type 2

INSPIRE premium – type 2 and type 3 linked to type 1

## *SDI offered by INSPIRE for eReporting shall allow:*

- Ensure environmental data is made available
- Use the Reporting Fitness Check to generally simplify thematic reporting
- Invest in EU wide priority spatial datasets
- **Make data available at source**
- Develop together search and harvesting tools (e.g. through DG Env contracts)
- **Allow for „ a paradigm change in reporting (active dissemination et.al.)“**
- Continue (for a period) data transmission to the EU level e.g. as defined in the MIWP „priority dataset“ group

# Overall approach

## *Member States*

1. Make Type 1 data (incl. list of priority datasets) available as-is (incl. metadata and preferably services). Type 2 data is voluntary
2. Type 1 data (inc. list of priority datasets) are transformed (here EU blueprints come in)
3. Type 2 and 3 data are linked through common elements jointly defined at EU level so that they can be found in Reportnet or in national webservices

## *EU level*

1. Identify „priority datasets“ incl. a rolling workprogram for implementation
2. Develop a technical solution for harvesting Type 1 and 2 and where needed Type 3 data (through the „linked approach“)
3. Engage with Member State in above step 3
4. EEA integrates type 2 and 3 where needed



# Actions for the INSPIRE governance 2017 and beyond

## *Stepwise implementation*

- Restructure eReporting along type1,2,3 to prepare for the „linked approach“
- Finalise list of priority spatial datasets
- Guide Member States, setup heldesk
- Define eReporting projects (as blueprints)
- Identify useful tools
- Develop a concept to „use the INSPIRE infrastructure in the EEA reporting processes and tools“  
(Reportnet 3.0 project 2018 – 2020 (Q1-Q2 2018 concept, afterwards implementation))



# Thank You!

For written comments

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