



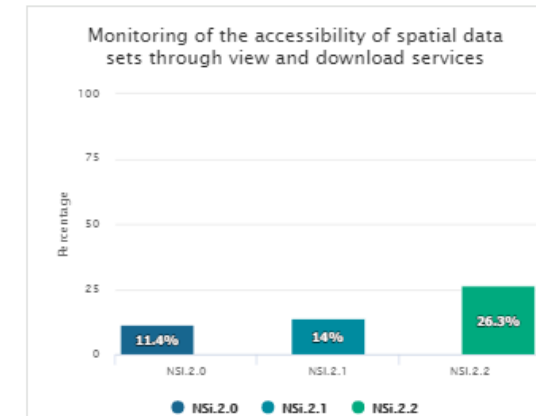
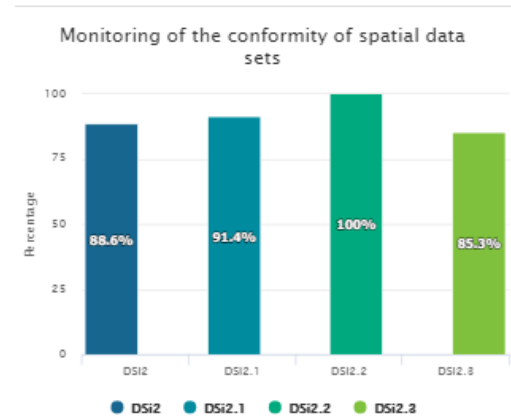
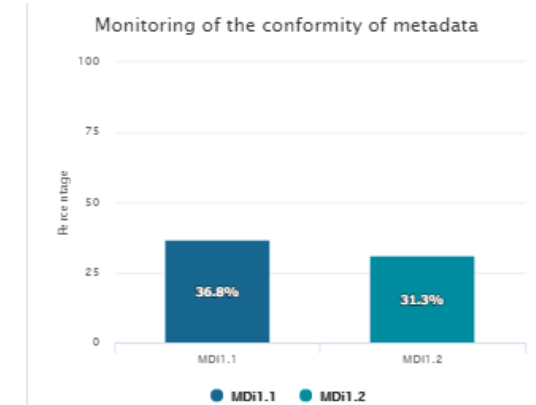
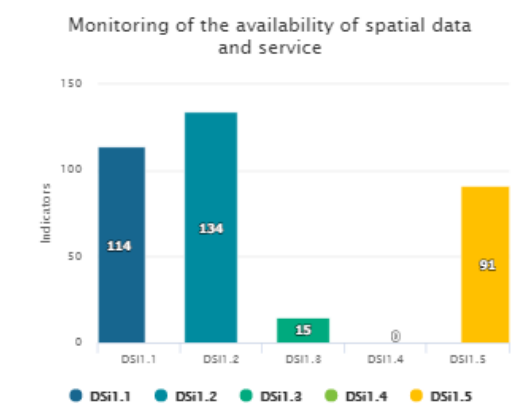
Preparation of Monitoring and Reporting 2020

JRC INSPIRE Team

11th INSPIRE MIG Meeting – June 18, 2020

INSPIRE Reporting 2020 – Update (country fiches)

- The online system for updating was opened from March 2 to April 30, 2020.
- The visualisation for the calculated indicators were added to the respective country fiches on April 15, 2020.
- MS and EFTA country fiches published in the INSPIRE Knowledge Base (HTML + PDF).
- The system for archiving Monitoring & Reporting in ReportNet (EEA) is being fine-tuned.




<https://inspire.ec.europa.eu/INSPIRE-in-your-Country>

Indicators for Monitoring & Reporting 2020

- Same set of indicators, **one important difference** in the calculation:
 - only MD encoded according to **TG 2.0** will be considered!

MD TG 1.3



INSPIRE
Infrastructure for Spatial Information in Europe

INSPIRE Metadata Implementing Rules: Technical Guidelines based on EN ISO 19115 and EN ISO 19119

Title	INSPIRE Metadata Implementing Rules: Technical Guidelines based on EN ISO 19115 and EN ISO 19119
Creator	Drafting Team Metadata and European Commission Joint Research Centre
Creation date	2007-10-26
Date of last revision	2013-10-29
Subject	INSPIRE Implementing Rules for Metadata
Status	V. 1.3
Publisher	European Commission Joint Research Centre
Type	Text
Description	Guidelines based on EN ISO 19115 and EN ISO 19119 for Commission Regulation (EC) No 1205/2008 of 3 December 2008 implementing Directive 2007/2/EC of the European Parliament and of the Council as regards metadata
Contributor	See Acknowledgements
Format	Pdf
Source	European Commission Joint Research Centre
Rights	Public
Identifier	MD_IR_and_ISO_20131029.doc
Language	EN
Revision	Not applicable
Language coverage	Not applicable




INSPIRE
Infrastructure for Spatial Information in Europe

MD TG 2.0

Technical Guidance for the implementation of INSPIRE dataset and service metadata based on ISO/TS 19139:2007

Title	Technical Guidelines for implementing dataset and service metadata based on ISO/TS 19139:2007
Creator	Temporary MIG subgroup for action MIWP-8
Date of publication	2017-03-02
Subject	Technical Guidance for INSPIRE metadata for datasets and services
Status	Version 2.0.1
Description	This document has been endorsed by the INSPIRE maintenance and implementation group (MIG) in its meeting on 30/11-1/12/2016 (see meeting minutes at https://ies-svn.irc.ec.europa.eu/projects/mig-p/wiki/5th_MIG-P_meeting).
Publisher	INSPIRE Maintenance and Implementation Group (MIG)
Type	Text
Description	Implementation specification for defining metadata for INSPIRE datasets and services in ISO/TS 19139 based XML format in compliance with the INSPIRE Implementing Rules for metadata.
Format	PDF
Licence	Creative Commons Attribution (cc-by) 4.0 (https://creativecommons.org/licenses/by/4.0/)
Identifier	http://inspire.ec.europa.eu/id/document/tg/metadata-iso19139/2.0 (latest bugfix version of v2.0)
Corrigenda	http://inspire.ec.europa.eu/id/document/tg/metadata-iso19139/2.0.1 (this bugfix version)
Language	EN

Indicators based on the INSPIRE Validator

- Indicator MDi1.1:
 - percentage of metadata for spatial data sets conformant with Commission Regulation (EC) No 1205/2008 as regards metadata
 - metadata (TG 2.0) filtered as:
 - `<gmd:hierarchyLevel>/<gmd:MD_ScopeCode>` with codelist value `dataset` or `series`
 - conformance classes tested:
 - Common Requirements, Conformance Classes 1 & 2b

Metadata (TG version 2.0)	
<input type="checkbox"/> + Common Requirements for ISO/TC 19139:2007 based INSPIRE metadata records.	<input type="checkbox"/> use
<input type="checkbox"/> + Conformance Class 1: INSPIRE data sets and data set series baseline metadata.	<input type="checkbox"/> use
<input type="checkbox"/> + Conformance Class 2: INSPIRE data sets and data set series interoperability metadata.	<input type="checkbox"/> use
<input type="checkbox"/> + Conformance Class 2b: INSPIRE data sets and data set series metadata for Monitoring	<input type="checkbox"/> use
<input type="checkbox"/> + Conformance Class 3: INSPIRE Spatial Data Service baseline metadata.	<input type="checkbox"/> use
<input type="checkbox"/> + Conformance Class 4: INSPIRE Network Services metadata.	<input type="checkbox"/> use
<input type="checkbox"/> + Conformance Class 5: INSPIRE Invocable Spatial Data Services metadata.	<input type="checkbox"/> use
<input type="checkbox"/> + Conformance Class 6: INSPIRE Interoperable Spatial Data Services metadata.	<input type="checkbox"/> use
<input type="checkbox"/> + Conformance Class 7: INSPIRE Harmonised Spatial Data Services metadata.	<input type="checkbox"/> use

Indicators based on the INSPIRE Validator

- Indicator MDi1.1:
 - percentage of metadata for spatial data sets conformant with Commission Regulation (EC) No 1205/2008 as regards metadata
 - metadata (TG 2.0) filtered as:
 - `<gmd:hierarchyLevel>/<gmd:MD_ScopeCode>` with codelist value `dataset` or `series`
 - conformance classes tested:
 - Common Requirements, Conformance Classes 1 & 2b
 - Conformance Class 2 (only as a baseline for Monitoring 2021)

Metadata (TG version 2.0)

<input type="checkbox"/> + Common Requirements for ISO/TC 19139:2007 based INSPIRE metadata records.	<input type="checkbox"/> use
<input type="checkbox"/> + Conformance Class 1: INSPIRE data sets and data set series baseline metadata.	<input type="checkbox"/> use
<input type="checkbox"/> + Conformance Class 2: INSPIRE data sets and data set series interoperability metadata.	<input type="checkbox"/> use
<input type="checkbox"/> + Conformance Class 2b: INSPIRE data sets and data set series metadata for Monitoring	<input type="checkbox"/> use
<input type="checkbox"/> + Conformance Class 3: INSPIRE Spatial Data Service baseline metadata.	<input type="checkbox"/> use
<input type="checkbox"/> + Conformance Class 4: INSPIRE Network Services metadata.	<input type="checkbox"/> use
<input type="checkbox"/> + Conformance Class 5: INSPIRE Invocable Spatial Data Services metadata.	<input type="checkbox"/> use

Article	Milestone Date	DESCRIPTION
7§3, 9(b)	21/10/2020	Other Annex II and Annex III spatial data sets available in accordance with IRs for Annex II and III

Indicators based on the INSPIRE Validator

Network Services

Invocable Spatial Data Services

- Indicator MDi1.2:
 - percentage of metadata for spatial data services conformant with Commission Regulation (EC) No 1205/2008 as regards metadata
 - metadata (TG 2.0) filtered as:
 - `<gmd:hierarchyLevel>/<gmd:MD_ScopeCode>` with codelist value `service`
 - `<srv:serviceType>/<gco:LocalName>` with value `view`, `download`, `discovery` or `transformation` for Network Services, `other` for Invocable Spatial Data Services

Metadata (TG version 2.0)

<input type="checkbox"/> + Common Requirements for ISO/TC 19139:2007 based INSPIRE metadata records.	<input type="checkbox"/> use
<input type="checkbox"/> + Conformance Class 1: INSPIRE data sets and data set series baseline metadata.	<input type="checkbox"/> use
<input type="checkbox"/> + Conformance Class 2: INSPIRE data sets and data set series interoperability metadata.	<input type="checkbox"/> use
<input type="checkbox"/> + Conformance Class 2b: INSPIRE data sets and data set series metadata for Monitoring	<input type="checkbox"/> use
<input type="checkbox"/> + Conformance Class 3: INSPIRE Spatial Data Service baseline metadata.	<input type="checkbox"/> use
<input type="checkbox"/> + Conformance Class 4: INSPIRE Network Services metadata.	<input type="checkbox"/> use
<input type="checkbox"/> + Conformance Class 5: INSPIRE Invocable Spatial Data Services metadata.	<input type="checkbox"/> use
<input type="checkbox"/> + Conformance Class 6: INSPIRE Interoperable Spatial Data Services metadata.	<input type="checkbox"/> use
<input type="checkbox"/> + Conformance Class 7: INSPIRE Harmonised Spatial Data Services metadata.	<input type="checkbox"/> use

INSPIRE Validator – Release planning

- The version of the Validator used for Monitoring 2020 will be released in **September 2020**.
- The version released in September will not introduce any breaking change, i.e. the version released in **June 2020** can be already used for preparing MD for Monitoring 2020.

Annual releases

- **v2020.1 - 15/03/2020**: it includes both breaking and non-breaking changes.
- **v2020.2 - 15/06/2020**: it includes both breaking and non-breaking changes.
- **v2020.3 - 15/09/2020**: it only includes non-breaking changes, so that any INSPIRE resource passing the test in the previous release automatically passes the same test in this release. This release is the one used for the end-of-year Monitoring process.
- **v2021.b - 15/09/2020**: it includes both breaking and non-breaking changes which are planned to become effective (for Monitoring purposes) in the following year.
- **v2021.0 - 15/01/2021**: it includes both breaking and non-breaking changes, including those available in the beta instance of the previous year.

INSPIRE Validator – Tool for bulk validation of metadata

- The version of the tool used for Monitoring 2019 is ready to be shared with MS and only pending the JRC approval for [open source publication under the EUPL](#).
- A new version of the tool based on the 2020 Monitoring ‘rules’ will be shared during the summer.
- Please setup and use [your own instance of the Validator](#) to test your metadata!

Bulk processing tool for the INSPIRE Reference Validator

This software tool allows for validation of large numbers of metadata records using the API of the [INSPIRE Reference Validator](#). It was developed to support INSPIRE Monitoring & Reporting activities. The tool was built with [Pentaho Data Integration Community Edition](#) platform which is required to use it.

INSPIRE Validator – Network of NCPs

- Closed Action 2017.4 on Validation and conformity testing.
- Open call for nominations of national validation experts to be included in the **network of National Contact Points** focused on validation:
 - maintainers of national validators / experts in INSPIRE Validator
 - main tasks:
 - staying up-to-date on the latest developments of the Validator
 - **monitoring the issues** raised in the Validator helpdesk and **providing expert feedback**
 - contributing to **testing** new developments of the Validator
 - **promoting the use of the Validator** at the national level and report on national efforts
 - **advising** on the long-term sustainability of the Validator
- experts from 4 countries nominated so far: ES, CZ, SE, DE, BE (deadline: June 19)

INSPIRE Geoportal – Preparation

- Short-term implementation roadmap focused on Monitoring 2020:
 - release of the Geoportal version used for Monitoring 2020 in **September 2020** (i.e. 3 months before the Monitoring deadline)
 - **improvements** planned:
 - full support for MD TG 2.0 → **testing & feedback** appreciated!
 - integration of the approach to simplify data-service linking (including in the Linkage Checker) based on the experiment with some MS
 - integrated calculation of the indicators (17 out of 19) in the harvest console

INSPIRE Geoportal – Preparation

- Longer-term implementation roadmap
 - priority of future developments of the Geoportal to be discussed with DG ENV and Geoportal steering group with MS representatives
 - possible future developments:
 - replacement/integration of the Geoportal with GeoNetwork
 - extension of the system for WCS and SOS
 - extension of the system for OGC API - Features
 - automatic identification of protected services
 - automatic distinction of harmonised data sets from as-is data sets
 - feature type viewer
 - open data viewer
 - migration of the Geoportal helpdesk to GitHub

Thank you!



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