

INSPIRE Monitoring and Reporting 2020: Procedure, status and planning

JRC INSPIRE Team

12th MIG meeting – November 26-27, 2020





- Based on Commission Decision 2019/1372:
 - 19 indicators calculated from the metadata of spatial data sets & spatial data services published by Member States through discovery services

DECISIONS

COMMISSION IMPLEMENTING DECISION (EU) 2019/1372

of 19 August 2019

implementing Directive 2007/2/EC of the European Parliament and of the Council as regards monitoring and reporting

(notified under document C(2019) 6026)

(Text with EEA relevance)



Indicators for Monitoring and Reporting 2020

Corrigenda

ΕN

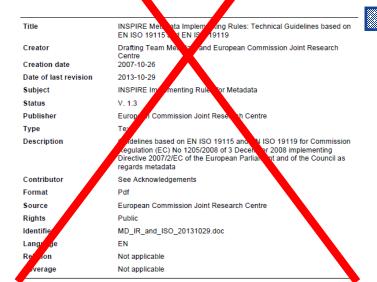
- Same set of indicators, one important difference in the calculation:
 - only MD encoded according to TG 2.0 will be considered!



MD TG 1.3

INSPIRE Netadata Implementing Rules: Technical Guideline, based on EN ISO 19 15 and EN 50 19119

INSPIRE





MD TG 2.0

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

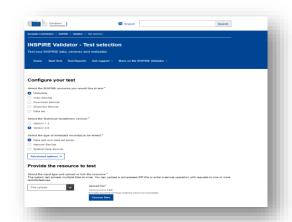
nical Guidelines for implementing dataset and service metadata based D/TS 19139:2007
orary MIG subgroup for action MIWP-8
03-02
nical Guidance for INSPIRE metadata for datasets and services
on 2.0.1
locument has been endorsed by the INSPIRE maintenance and mentation group (MIG) in its meeting on 30/11-1/12/2016 (see meeting es at https://ies-svn.jrc.ec.europa.eu/projects/miq-p/wiki/5th_MIG-eting).
RE Maintenance and Implementation Group (MIG)
mentation specification for defining metadata for INSPIRE datasets and es in ISO/TS 19139 based XML format in compliance with the INSPIRE menting Rules for metadata.
ive Commons Attribution (cc-by) 4.0 ://creativecommons.org/licenses/by/4.0/)
inspire.ec.europa.eu/id/document/tg/metadata-iso19139/2.0 (latest version of v2.0)
inspire.ec.europa.eu/id/document/tq/metadata-iso19139/2.0.1 (this version)

http://inspire.ec.europa.eu/id/document/tg/metadata-iso19139/2.0/corrigenda



- Indicators grouped into 5 categories:
 - availability of spatial data and services
 - DSi1.1, DSi1.2, DSi1.3, DSi1.4, DSi1.5
 - conformity of metadata
 - MDi1.1, MDi1.2
 - conformity of spatial data sets
 - DSi2, DSi2.1, DSi2.2, DSi2.3
 - accessibility of spatial data sets
 - NSi2, NSi2.1, NSi2.2
 - conformity of network services
 - NSi4, NSi4.1, NSi4.2, NSi4.3, NSi4.4

INSPIRE
Reference
Validator
(metadata
validation)

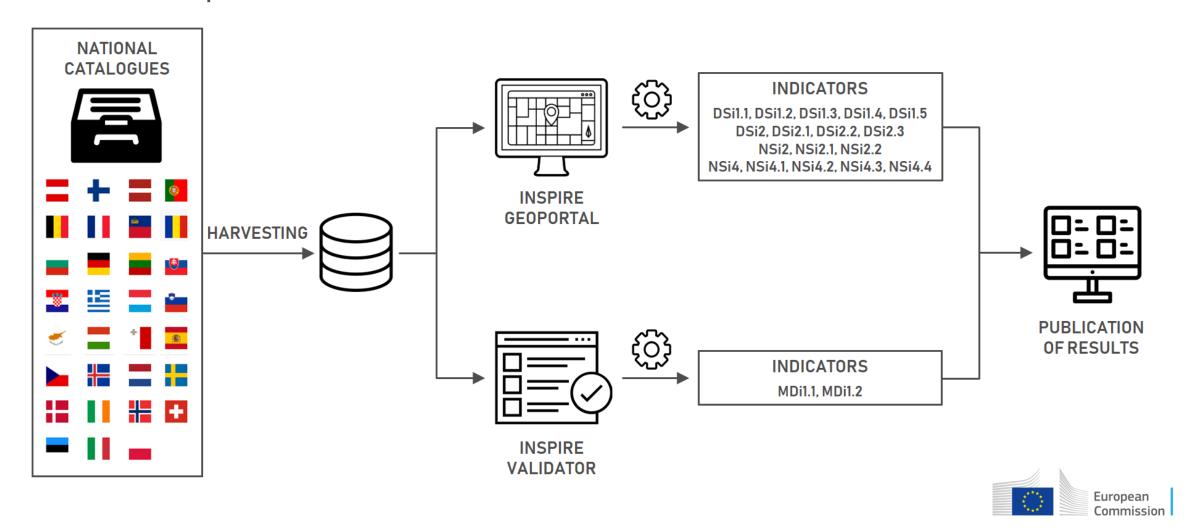


INSPIRE
Geoportal
(linkages check)

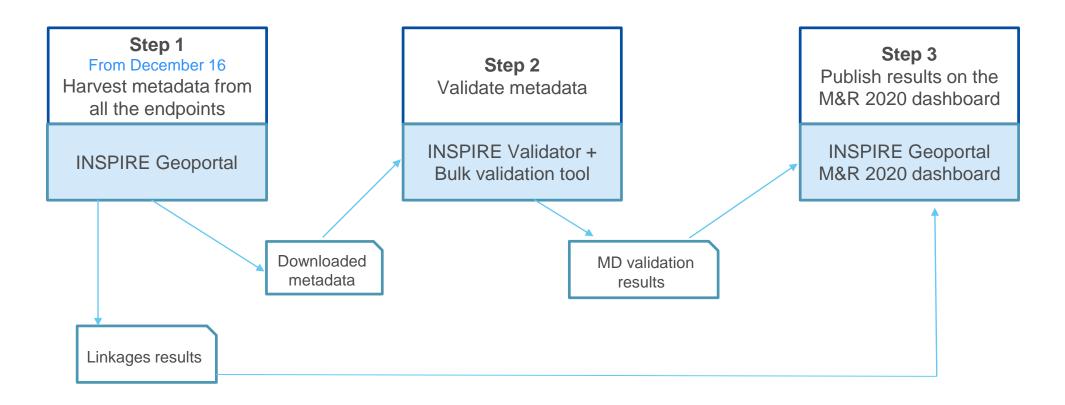




Overall process:



Overall process:





INSPIRE Geoportal – Status & planning

- v.1.4.0 (including support for metadata TG v.2.0) released on September 16
- v.1.5.0 (to be used in M&R 2020) released on November 16
- Overall planning:

Between September 16 and October 23

After October 23

November 16

From December 16

Testing period where INSPIRE stakeholders can provide feedback and report bugs using the Geoportal Helpdesk

fixes for the bug reports received. No additional requests for change addressed after this date

Release of the
Geoportal version to
be used for the
Monitoring and
Reporting 2020
activities

Harvesting of metadata from Member States national catalogues



INSPIRE Validator – Status & planning

- v.2020.3 (used for Monitoring and Reporting 2020) released on September 16
 - bugfix version adding non-breaking changes to v.2020.2 (June 2020)
 - improved instructions for local deployment using Docker

Please use your own Validator instance for testing!

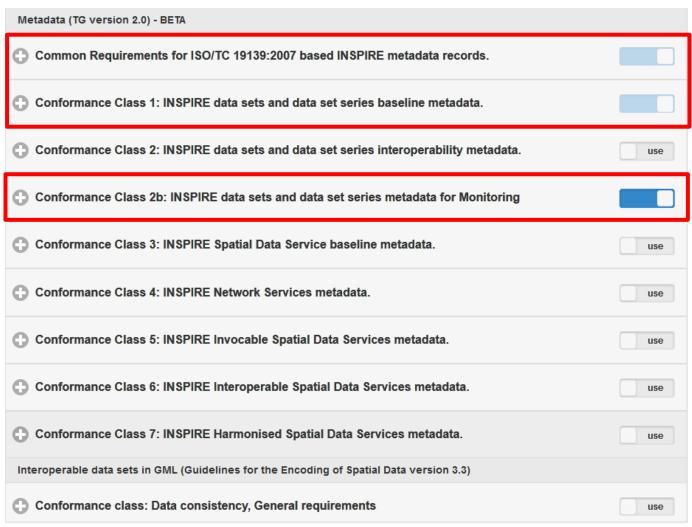
& Bugfixes

- #207 Tooltip updated for datasets services
- #214 Pre-defined WFS check on optional element wfs:boundedBy #503
- #295 Test "Request and check externalServiceMetadata" in Conformance Class: Download Service Pre-defined WFS #511
- #307 EPSG codes in Azores #504
- #322 Increase Upload size limit to 200MB (Staging instance) and 50MB (Production instance)
- #343 Test C.18 New corner case #505
- #348 Priority Datasets Keyword: error for Citation Title #506
- #350 Updated RegEx for ISO:8601 on MD 2.0 #507
- #367 Possible invalid test in MD 2.0 CC 7: 'INSPIRE Harmonised Spatial Data Services metadata #508
- #373 Fixed different system errors on MD 2.0 #509
- #385 Updated error message for MD 2.0 SDS 3.4 #510



Calculation of indicators using the Validator

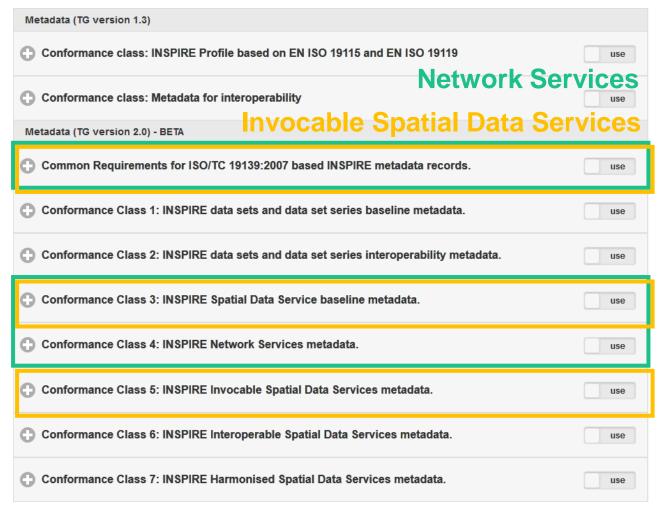
- Indicator MDi1.1:
 - percentage of metadata for spatial data sets conformant with Commission Regulation (EC) No 1205/2008 as regards metadata
 - metadata filtered as:
 - <gmd:hierarchyLevel>/<gmd:MD_ScopeCode> with codelistvalue dataset or series





Calculation of indicators using the Validator

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





Bulk validation tool for metadata

- Allows to perform massive validation of metadata using any instance of the INSPIRE Reference Validator:
 - will be used to automate validation using the INSPIRE Reference Validator API
 - v.2020.2 released on September 23 with the new rules (focus on metadata TG v.2.0)
 - to be used with your own instance of the Validator (NOT the central INSPIRE one)!

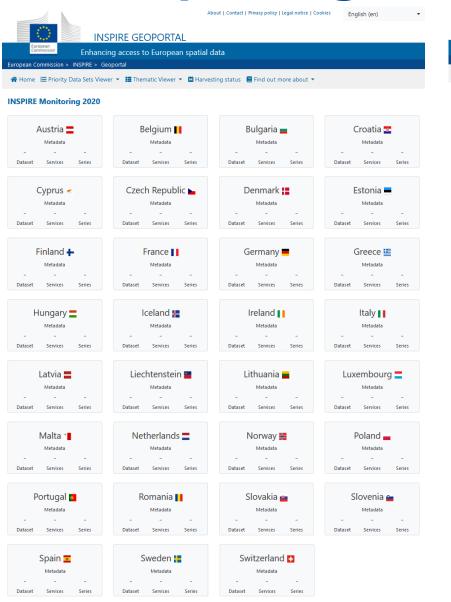
Bulk processing tool for the INSPIRE Reference Validator

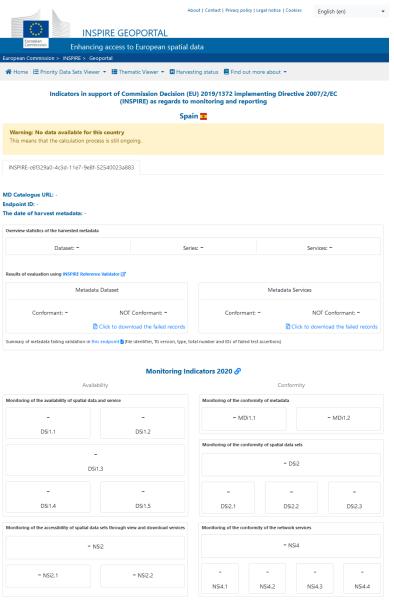
This software tool allows for validation of large numbers of metadata records using the API of the INSPIRE Reference Validator. It was developed to support INSPIRE Monitoring & Reporting activities. The tool was built with Pentaho Data Integration Community Edition platform which is required to use it.



Monitoring and Reporting 2020 dashboard

- It will include the indicator values for all countries.
- The page will be public soon.





Monitoring and Reporting 2019



Establishing a new baseline for monitoring the status of EU Spatial Data Infrastructure

> Experiences and conclusions from INSPIRE 2019 monitoring and reporting

Minghini M., Cetl V., Ziemba L., Tomas R., Francioli D., Artasensi D., Epure E., Vinci F.

2020



- JRC Technical Report will be available soon:
 - focus on the Monitoring and Reporting 2019 results
 - target readers are INSPIRE stakeholders



Thank you!





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