INSPIRE Monitoring and Reporting 2020: Procedure, status and planning

JRC INSPIRE Team

63rd MIG-T meeting – October 13-14, 2020

INSPIRE Monitoring and Reporting 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)

European Commission

Indicators for Monitoring and Reporting 2020

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

INSPIRE Monitoring and Reporting 2020

- 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
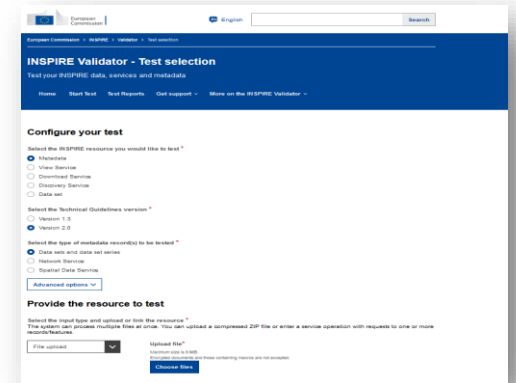 - accessibility of spatial data sets
    - NSi2, NSi2.1, NSi2.2
  - conformity of network services
    - NSi4, NSi4.1, NSi4.2, NSi4.3, NSi4.4

INSPIRE Reference Validator
(metadata validation)

INSPIRE Geoportal
(linkages check)

European Commission
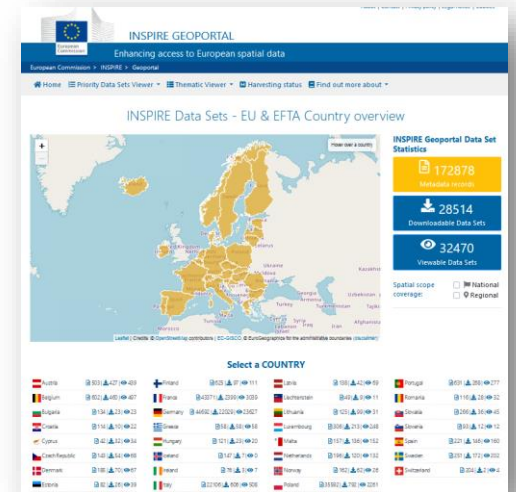
INSPIRE Monitoring and Reporting 2020
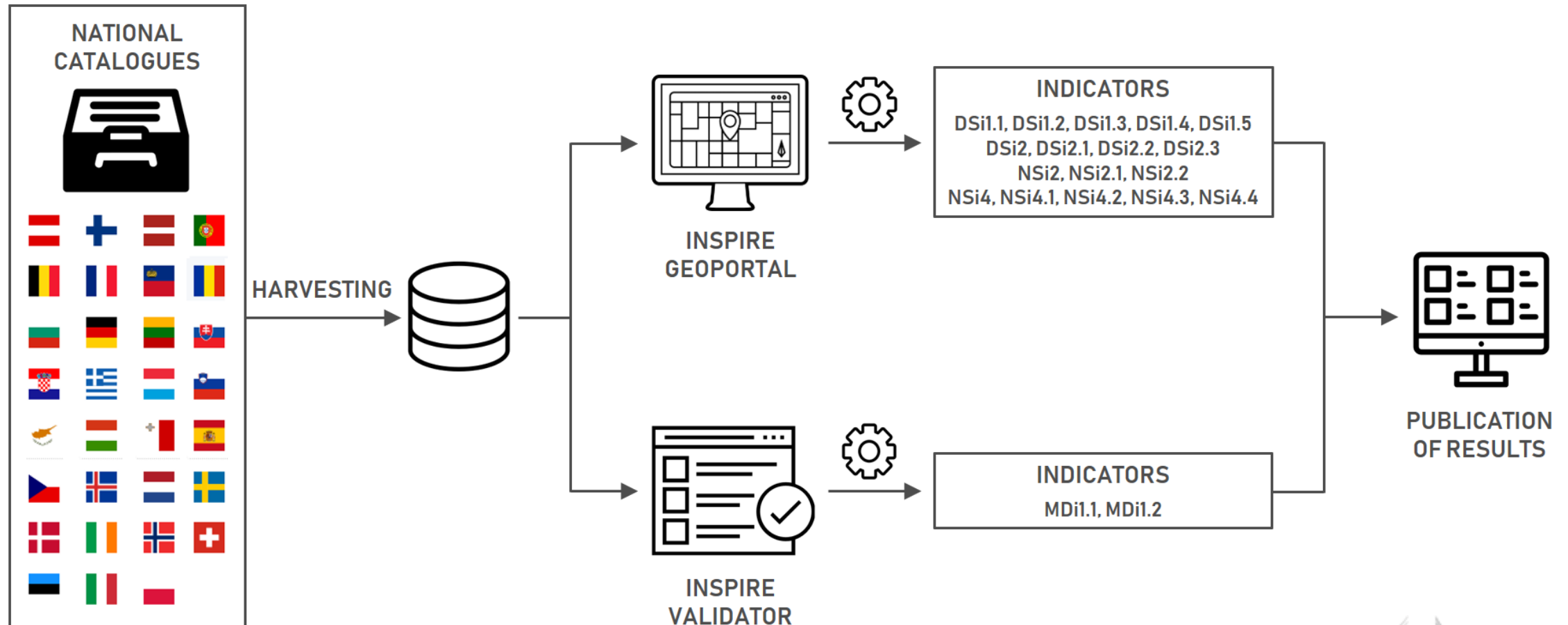
- Overall process:

INSPIRE Monitoring and Reporting 2020

- Overall process:
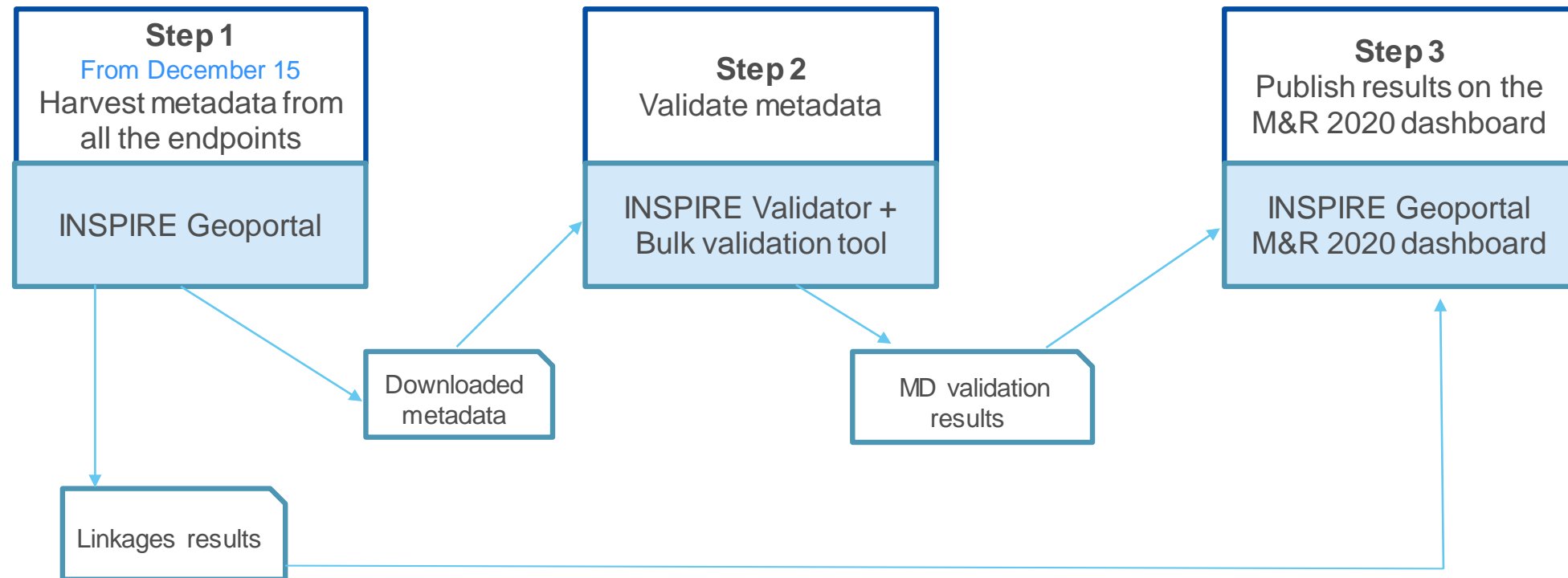
INSPIRE Geoportal – Status & planning

- v.1.4.0 (including support for metadata TG v.2.0) released on September 16
- Planning for next months:

Between September 16 and October 23	After October 23	Before November 15	From December 16
Testing period where INSPIRE stakeholders can provide feedback and report bugs using the Geoportal Helpdesk	Development of bug 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

https://inspire-geoportal.ec.europa.eu/release-notes.html

INSPIRE Geoportal – Status & planning

- Testing phase currently running:
  - monitoring the tests performed by Member States
  - some bugs already reported & fixed, others under investigation

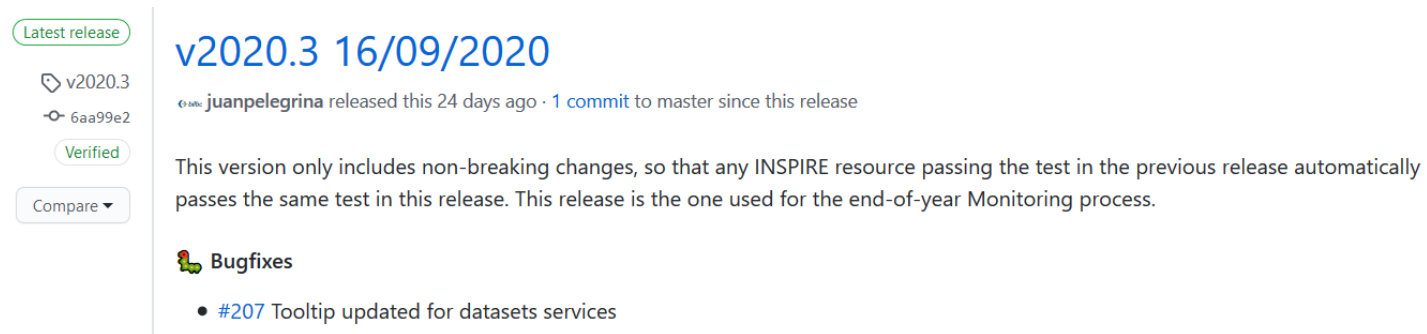| ✔	#	Project	Status	Priority	Subject	Assignee	Updated ▾
☐	3889	Geoportal Helpdesk	New	Normal	Problem with Download link	geoportal-helpdesk	08 Oct 2020 01:09 pm
☐	3702	Geoportal Helpdesk	New	Normal	DE: Linkage Checker - How does "Branch 1 check" for Download Service metadata works?		08 Oct 2020 09:49 am
☐	3874	Geoportal Helpdesk	Feedback	Normal	SE: Statistics	geoportal-helpdesk	06 Oct 2020 03:57 pm
☐	3895	Geoportal Helpdesk	New	Normal	CZ: Question - catalogue service (CSW) for metadata on the INSPIRE Geoportal		06 Oct 2020 03:29 pm
☐	3882	Geoportal Helpdesk	Assigned	Normal	EE: Service metadata date origin in INSPIRE Geoportal in Service Options section is not clear	Davide Artasensi	06 Oct 2020 02:12 pm
☐	3893	Geoportal Helpdesk	Resolved	High	SE: Validation in Inspire Geoportal and Reference validator		06 Oct 2020 10:26 am
☐	3892	Geoportal Helpdesk	New	High	How are different instances of metadata handled related to National SDI		05 Oct 2020 02:04 pm
☐	3891	Geoportal Helpdesk	New	High	Missing MD recod in harvested records from SK - Corine Land Cover 2018		04 Oct 2020 10:24 am
☐	3867	Geoportal Helpdesk	Resolved	High	DE: request regarding XML schema validation of metadata records	Daniele Francioli	02 Oct 2020 03:47 pm
☐	3890	Geoportal Helpdesk	New	Normal	RO: Romania Conformity Title (Regulation 1089/2010) it is wrong on linkage checker	geoportal-helpdesk	01 Oct 2020 03:01 pm

European Commission

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

Latest release

v2020.3

6aa99e2

Verified

Compare ▾

v2020.3 16/09/2020

juanpelegrina released this 24 days ago · 1 commit to master since this release

This version 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.

🐛 Bugfixes

- #207 Tooltip updated for datasets services

- #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

Please use your own Validator instance for testing!

https://github.com/inspire-eu-validation/community/releases/tag/v2020.3

European Commission

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 codelist value `dataset` or `series`

http://inspire.ec.europa.eu/validator

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 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 1.3)

Conformance class: INSPIRE Profile based on EN ISO 19115 and EN ISO 19119   use

Conformance class: Metadata for interoperability   use

Network Services

Invocable Spatial Data Services

Metadata (TG version 2.0) - BETA

Common Requirements for ISO/TC 19139:2007 based INSPIRE metadata records.   use

Conformance Class 1: INSPIRE data sets and data set series baseline metadata.   use

Conformance Class 2: INSPIRE data sets and data set series interoperability metadata.   use

Conformance Class 3: INSPIRE Spatial Data Service baseline metadata.   use

Conformance Class 4: INSPIRE Network Services metadata.   use

Conformance Class 5: INSPIRE Invocable Spatial Data Services metadata.   use

Conformance Class 6: INSPIRE Interoperable Spatial Data Services metadata.   use

Conformance Class 7: INSPIRE Harmonised Spatial Data Services metadata.   use

http://inspire.ec.europa.eu/validator

European Commission

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.

https://github.com/inspire-eu-validation/monitoring-bulk-validation-tool

Thank you!

JRC-INSPIRE-SUPPORT@ec.europa.eu

European Commission