



MIWP 2021-2024 – Action 2.3.1

Sub-group 2.3.1 meeting

Stefania Morrone, Fabio Vinci, Arantza Etxebarria, Xabier Diego Campo, Jordi Escriu, Marco Minghini

November 10, 2023

Agenda

- Introduction
 - some news
 - updates and news on INSPIRE artefacts
 - implementation of Good Practice on Data and Service Linking Simplification
- Discussion and decision on
 - change proposals on INSPIRE Technical Guidelines (7)
 - change proposals on INSPIRE Registry (4)

Introduction

Some news

- Commission Regulation amending Commission Regulation (EU) No 1089/2010 on interoperability of spatial data sets and services **has been adopted!**
- Summary of changes
 - **removing code list and enumeration values** and replacing them with a reference to the code list register in the INSPIRE Registry and its governance process under the MIG
 - **removing the allowed coordinate reference system** and replacing them with a reference to a CRS register in the INSPIRE registry and its governance process under the MIG
 - adding a clarification that **property values do not have to be provided if they do not exist in the real world, and a value "void" has to be provided if a value exists in the real world, but is not contained in the data set** (or cannot be derived at reasonable costs).
 - **performing bug-fixes / corrigenda & minor changes** to the conceptual models and to ensure coherence with thematic legislation

Updates and news on INSPIRE artefacts

Summary of the voting process held at the 74th MIG-T meeting (28/04/2023):

<https://wikis.ec.europa.eu/display/InspireMIG/74th+MIG-T+meeting+2023-04-28>

Voting on change proposals:

- Application schemas:
 - TN-A Nodes [#61](#)
- Technical Guidance documents:
 - Metadata contactInfo: onlineResource as alternative to electronicMailAddress [#72](#)
 - Quality of service codelist URL's incorrect in TG dataset and service metadata [#77](#)

***All proposals were
endorsed without
comments***

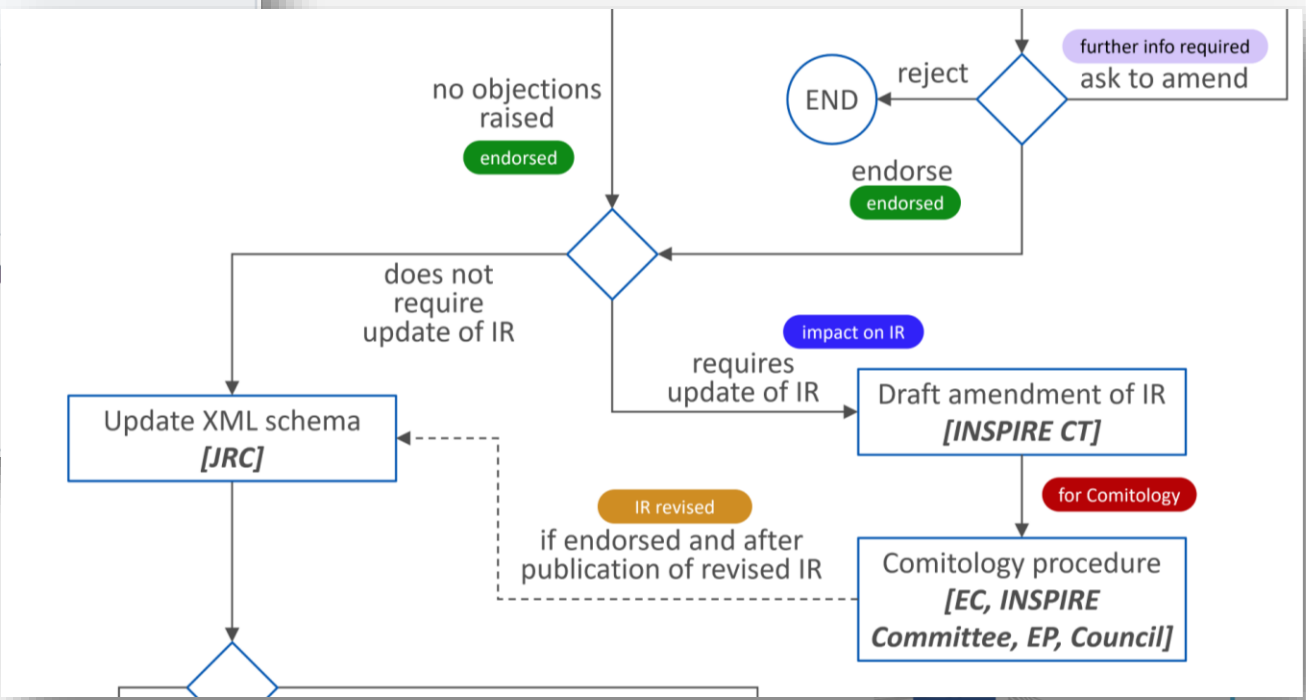
Updates and news on INSPIRE artefacts

No release of INSPIRE schemas – ~~v.2023.2~~, since all endorsed change proposals have an impact on IR.

□ Author ▾ Label ▾ Projects ▾ Milestones ▾ Assignee ▾ Sort ▾

□ **CP_CadastralZoning_TYPO** breaking change endorsed impact on IR
impact on TG impact on UML
#70 opened on Jun 23, 2022 by laers




□ **TN_MaintenanceAuthority-OwnerAuthority_CI_Citation not matching** breaking change endorsed impact on IR impact on TG
impact on UML
#60 opened on Feb 18, 2022 by JohannaOtt



Updates and news on INSPIRE artefacts

v2023.2 31/07/2023 Latest

Compare  

 fabiovinci released this Jul 31 · 4 commits to main since this release  v2023.2  6ed648e

This release contains breaking and non-breaking changes for the TGs listed below.

For each TG, a list of the modifications carried out is provided. Each row in the list contains: the link to the related issue in the TG repository issue tracker (if present), a brief description of the modification, the link to the related pull request and the typology of change.

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

Version 2.1.3 – minor version

- [#70](#) Fixed typos [#116](#) - non-breaking change
- [#77](#) Changed "Quality of service" codelist URL's [#78](#) - non-breaking change
- [#114](#) Corrected recommendation number [#113](#) - non-breaking change

Technical Guidance for the implementation of INSPIRE Download Services

Version 3.3.0 - minor version

- Fixed typo [#103](#) - non-breaking change

D2.8.II/III.7 Data Specification on Environmental Monitoring Facilities – Technical Guidelines

Version 3.1.0 - minor version

Technical guidelines

<https://github.com/INSPIRE-MIF/technical-guidelines/releases/tag/v2023.2>

8 new TGs, including the related endorsed change proposals (if present), have been published.


Updates and news on INSPIRE artefacts



v2023.2 31/07/2023

Latest

Compare



 fabiovinci released this Jul 31 · 1 commit to main since this release  v2023.2

 66dde93 

This release contains non breaking changes for the UML data models listed below. These changes correspond to endorsed change proposals to XML schemas and/or Technical Guidelines.

Each row in the below list contains: the link to the related issue in the `uml-models/application-schemas/technical-guidelines` repository, a brief description of the modification (prefixed by relevant data theme indication where relevant) and the typology of change.

- [#14](#) - [GE] Added multiplicity for `geophObjectSet` and `geophObjectMember` associations in the mapping table - non breaking change
- [#38](#) - [SU] Added the missing constraint for `AreaStatisticalUnit` geometry type in the UML and mapping table - non breaking change

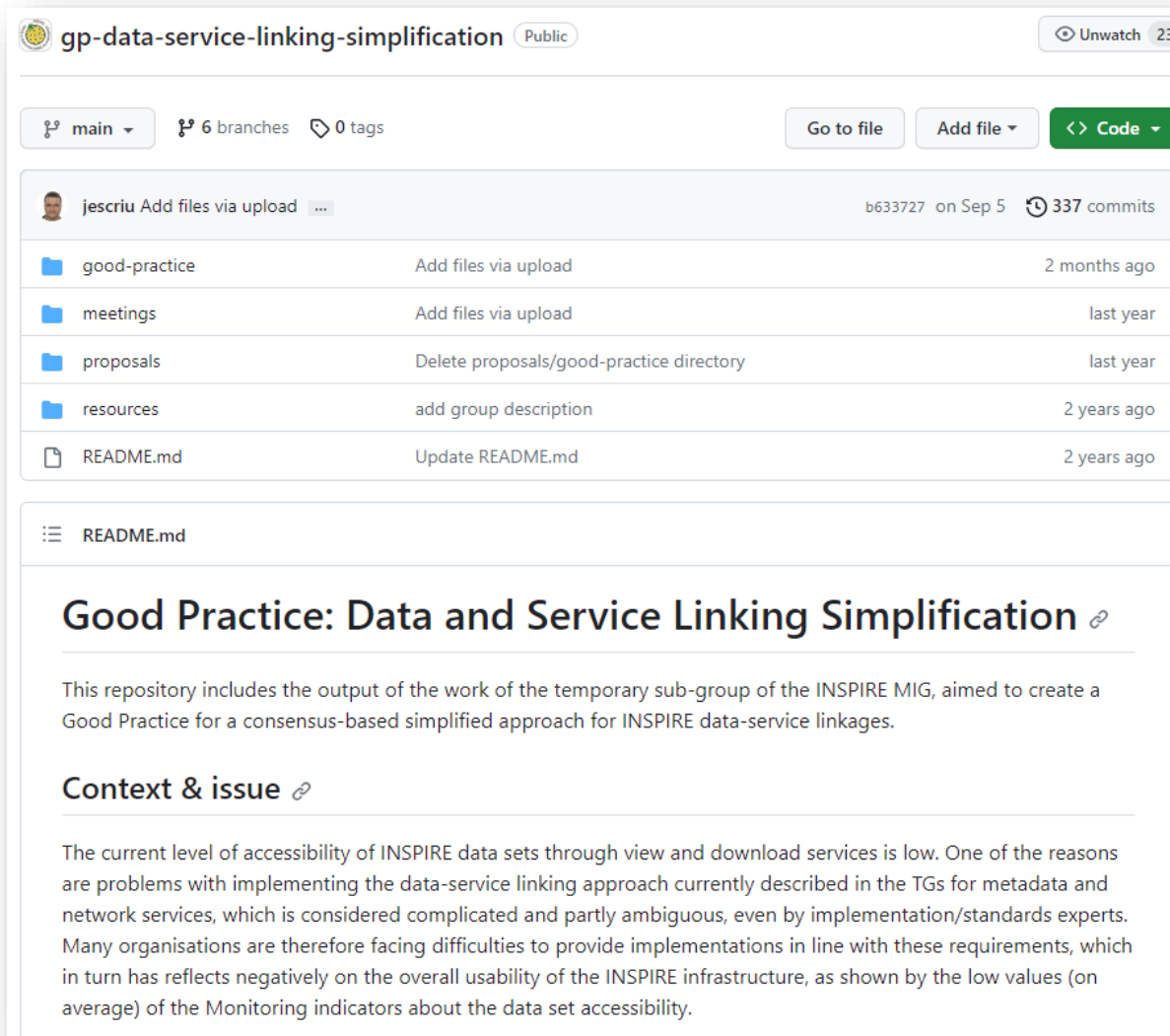
NOTE:

Updated versions of the UMLs, aligned with the changes to relevant XML schemas, may be temporarily out of alignment with the relevant TGs, as the TG conversion and update process is still in progress.

UML models

<https://github.com/INSPIRE-MIF/uml-models/releases/tag/v2023.2>

Implementation of Good Practice



The screenshot shows the GitHub interface for the repository 'gp-data-service-linking-simplification'. At the top, it indicates the repository is 'Public' and has 'Unwatch' and '23' notifications. Below this, there are navigation options for 'main' branch, '6 branches', and '0 tags'. There are buttons for 'Go to file', 'Add file', and 'Code'. The commit history shows a recent commit by 'jescriu' on Sep 5 with 337 commits. The file list includes folders for 'good-practice', 'meetings', 'proposals', and 'resources', and a 'README.md' file. The 'README.md' content is displayed below, featuring a title 'Good Practice: Data and Service Linking Simplification' and a description of the repository's purpose.

gp-data-service-linking-simplification Public Unwatch 23

main 6 branches 0 tags Go to file Add file Code

jescriu Add files via upload ... b633727 on Sep 5 337 commits

good-practice	Add files via upload	2 months ago
meetings	Add files via upload	last year
proposals	Delete proposals/good-practice directory	last year
resources	add group description	2 years ago
README.md	Update README.md	2 years ago

README.md

Good Practice: Data and Service Linking Simplification

This repository includes the output of the work of the temporary sub-group of the INSPIRE MIG, aimed to create a Good Practice for a consensus-based simplified approach for INSPIRE data-service linkages.

Context & issue

The current level of accessibility of INSPIRE data sets through view and download services is low. One of the reasons are problems with implementing the data-service linking approach currently described in the TGs for metadata and network services, which is considered complicated and partly ambiguous, even by implementation/standards experts. Many organisations are therefore facing difficulties to provide implementations in line with these requirements, which in turn has reflects negatively on the overall usability of the INSPIRE infrastructure, as shown by the low values (on average) of the Monitoring indicators about the data set accessibility.

GitHub repository:
<https://github.com/INSPIRE-MIF/gp-data-service-linking-simplification>

Good Practice
guidelines:

<https://github.com/INSPIRE-MIF/gp-data-service-linking-simplification/blob/main/good-practice/data-service-linking-simplification-spec.md>

Implementation of Good Practice

Good practice includes two main parts:

- Part A ([Section 8](#)): Requirements/recommendations to be added/updated in the relevant TGs:
 - Section 8.1: Req/Rec on dataset metadata Resource Locator element:
 - Change in the MD TG (#108)
 - New ATS/ETS → “Conformance Class 2d: INSPIRE Data-Service Linking Simplification Good Practice”

Select the conformance classes to be assessed

- Common Requirements for ISO/TC 19139:2007 based INSPIRE metadata records ([source](#))
- Conformance Class 1: 'Baseline metadata for data sets and data set series' ([source](#))
- Conformance Class 2: 'INSPIRE data sets and data set series interoperability metadata' ([source](#))
- Conformance Class 2b: 'INSPIRE data sets and data set series metadata for Monitoring' ([source](#))
- Conformance Class 2c: 'INSPIRE data sets and data set series metadata for IACS' ([source](#))
- Conformance Class 2d: 'INSPIRE-Data-Set-Metadata-Resource-Locator*

ATS:
Conformance Class 2d:
INSPIRE Data-Service
Linking Simplification Good
Practice

Implementation of Good Practice

- Part A ([Section 8](#)): Requirements/recommendations to be added/updated in the relevant TGs:
 - Section 8.2: Network Service Metadata Coupled Resource element:
 - Change in the MD TG (#108)
 - Change in the Service TGs (#105, #110 and #112)
- Part B ([Section 9](#)): Use of INSPIRE conformant standard capabilities documents:
 - New ATS/ETS for View Service
 - New ATS/ETS for Download Service
 - New ATS/ETS for ATOM Service

Change proposals on INSPIRE Technical Guidelines

Change proposals to INSPIRE TGs

<https://github.com/INSPIRE-MIF/technical-guidelines/issues?q=is%3Aissue+is%3Aopen+label%3A%22for+Sub-group%22>

- 🕒 **TG Download - dataset identifier namespace is optional** for Sub-group impact on validator
#82 opened on Dec 21, 2022 by heidivanparys
- 🕒 **GeographicalName: sourceOfName** for INSPIRE MIG-T for Sub-group impact on IR impact on schemas impact on UML
#84 opened on Dec 22, 2022 by bfrichet3

The change proposal has an impact on INSPIRE Schemas
- 🕒 **TG Download - Data-service linking simplification for Atom** for Sub-group impact on validator
#105 opened on May 18 by heidivanparys
- 🕒 **TG Metadata - Data-service linking simplification for ISO/TS 19139:2007 metadata** for Sub-group impact on validator
#108 opened on Jun 30 by heidivanparys
- 🕒 **TG View - Data-service linking simplification for WMS** for Sub-group impact on validator
#110 opened on Jul 1 by heidivanparys
- 🕒 **TG Download - Data-service linking simplification for WFS** for Sub-group impact on validator
#112 opened on Jul 1 by heidivanparys
- 🕒 **TG Download - need for an attribute to encode the resolution of a raster in an atom** for Sub-group
#115 opened on Jul 13 by thomruhl

Change proposal #82

- [#82](#) - TG Download - dataset identifier namespace is optional (PR [#83](#))
 - the issue was discussed on 17-04-2023 and it was decided to postpone it to better verify if there are implications in other requirements of the same TG and/or in other TGs.
 - other requirements that need to be updated have been identified, the issue and the related pull request have been updated accordingly.

Change proposal #84

- #84 - GeographcialName: sourceOfName
 - The sub-group decided (17.04.2023) to bring this change proposal directly to the attention of the MIG-T to ask for feedback.
 - MIG-T members were asked to provide feedback on this change proposal during the [74th MIG-T meeting](#) (28-04-2023).

Change proposal #105

- [#105](#) - TG Download - Data-service linking simplification for Atom (PR [#104](#))

5.1.3. Download Service Feed: feed 'link' element – service metadata [↗](#)

Every Download Service must have a corresponding Metadata record in a discovery service.

An Atom link element shall be provided that links to the metadata record for this Download Service. This **should** be a discovery service metadata record. The value of the 'rel' attribute for this link shall be "describedby" [POWDER] The value of the 'type' attribute shall be "application/xml" or "application/vnd.ogc.csw.GetRecordByIdResponse_xml".

A data provider has two options for the publication of the INSPIRE metadata elements.

TG Requirement 6

The INSPIRE Metadata for the Download Service shall be linked to in one of the two following ways:

1. The Download Service Feed shall contain an Atom 'link' element that links to the metadata record for this Download Service. The value of the 'rel' attribute of this element shall be 'describedby' and the value of the 'type' attribute shall be either 'application/xml' or 'application/vnd.ogc.csw.GetRecordByIdResponse_xml';
2. The Download Service Feed shall contain the INSPIRE Metadata for the Download Service in accordance with Table 17b.

NOTE In case of a "hybrid implementation" based on Atom and WFS for Parts B and C, only the Atom service needs to be described through metadata as required by TG Requirement 6. The link to the WFS implementations shall be established through the "related" link element in the Atom feed (see TG Requirement 16).

Table 17a provides an overview over the INSPIRE metadata elements for the Download Service that can be found in the Download Service itself in the case of option 1. With this option, all the INSPIRE metadata elements are to be present in the metadata record for the Download Service, which is linked to as in, for example, the statement below.

Change proposal #108

- **#108** - TG Metadata - Data-service linking simplification for ISO/TS 19139:2007 metadata (PR #107)

Section [3. Conformance Classes for data sets](#) has to be updated to contain an additional conformance class, “INSPIRE data sets and data set series linked service metadata”.

In section [1.4. Position and structure of this document](#), it should be clarified that service metadata can be made in accordance with other TGs.

In section [4.1. Baseline metadata for Spatial Data Services](#), TG Requirement 3.6 has to be updated, and two recommendations have to be added.

Change proposal #110

- [#110](#) - TG View - Data-service linking simplification for WMS (PR [#109](#))

Issue faced

Section 4.2.3.3.1. View service metadata has to be updated to contain a third scenario, in which the View Service metadata elements are published in the WMS capabilities without using the `ExtendedCapabilities` part.

Proposed solution

Update Implementation Requirement 6 to give the choice between the three scenarios, and make it refer to table 3(a) and a new table 3b, meaning that Implementation Requirement 6 will tell how the INSPIRE metadata elements shall be mapped. This also means that the subsequent requirements requiring a certain mapping are redundant. Therefore, only the subsequent requirements that set requirements for the **value** of the metadata element are kept.

- Update: req 6, 8, 11, 14, 15, 16, 20, 24, 26, 27, 29
- Remove: req 7, 9, 10, 12, 13, 17, 18, 19, 21, 22, 23, 25, 28, rec 3.
- Add table 3b, rename table 3 to table 3a.

Change proposal #112

- [#112](#) - TG View - Data-service linking simplification for WMS (PR [#111](#))

Issue faced

Section 6.6 Publishing INSPIRE metadata using `ows:ExtendedCapabilities` has to be updated to contain a third option (also called scenario), in which the Download Service metadata elements are published in the WFS capabilities without using the `ows:ExtendedCapabilities` part.

Change proposal #115

- [#115](#) - TG Download - need for an attribute to encode the resolution of a raster in an atom
 - The corresponding metadata element “[Spatial resolution](#)” it is not mapped for ATOM:

Spatial Resolution (C)	Not mapped
------------------------	------------

- It hasn't even been mapped in the [DS link-simpl GP](#):

Spatial Resolution (C)	Spatial Resolution of the data set	
------------------------	------------------------------------	--

Next steps

- Next MIG-T meeting: hybrid meeting (Brussels and online) on **November 30**
(<https://wikis.ec.europa.eu/display/InspireMIG/76th+MIG-T+meeting+2023-11-30>)
 - Presentation, discussion and voting on new change proposals
- Next Sub-group meeting: additional meeting before MIG meeting, if needed.
- Next releases **2024.1** (TG, schema, UML) due by January 31, 2024

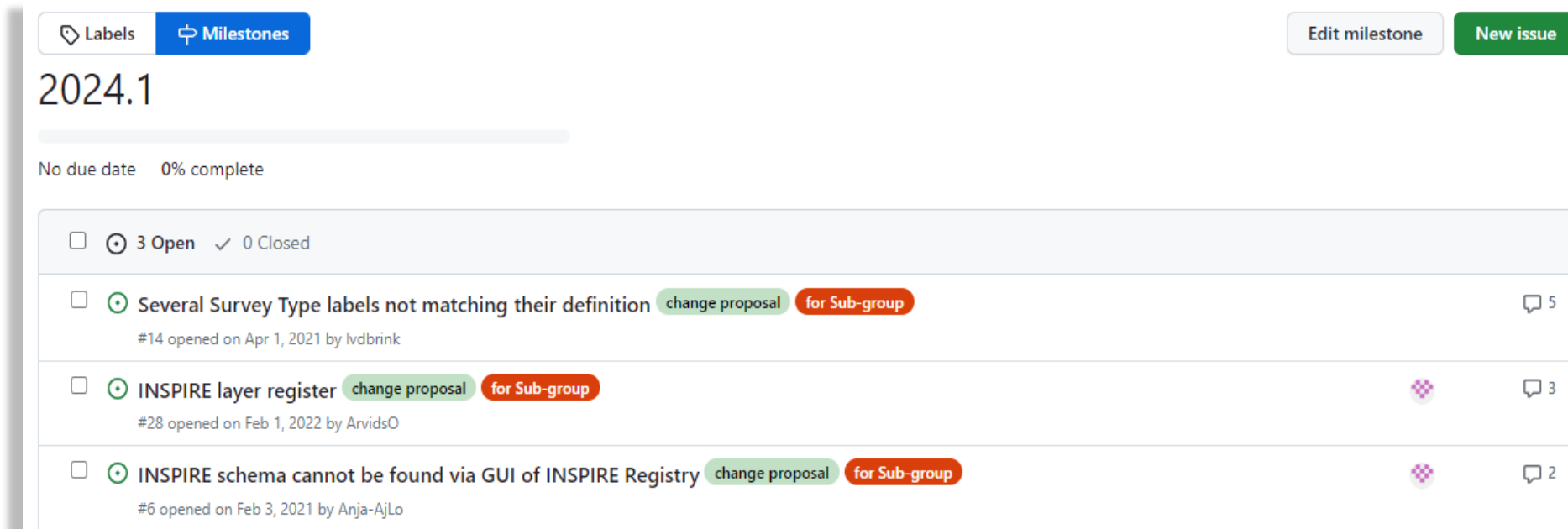
Change proposals on the INSPIRE Registry

INSPIRE Registry Release 2024.1 proposal

Issue 6

Issue 14

Issue 28



The screenshot shows a GitHub milestone page for '2024.1'. At the top, there are tabs for 'Labels' and 'Milestones', and buttons for 'Edit milestone' and 'New issue'. The milestone title is '2024.1' with a progress bar below it. Below the progress bar, it says 'No due date' and '0% complete'. The main content area shows a list of 3 open issues, each with a checkbox, a green circle icon, a title, a 'change proposal' label, a 'for Sub-group' label, and a comment icon with a number. The issues are:

- 3 Open ✓ 0 Closed
- Several Survey Type labels not matching their definition **change proposal** **for Sub-group** 5 comments
#14 opened on Apr 1, 2021 by lvdbrink
- INSPIRE layer register **change proposal** **for Sub-group** 3 comments
#28 opened on Feb 1, 2022 by ArvidsO
- INSPIRE schema cannot be found via GUI of INSPIRE Registry **change proposal** **for Sub-group** 2 comments
#6 opened on Feb 3, 2021 by Anja-AjLo

<https://github.com/INSPIRE-MIF/helpdesk-registry/milestone/2>

Change proposals

Issue 6

- **Motivation**

Proposed for having the INSPIRE Registry linked to the schema-respository:

<https://inspire.ec.europa.eu/schemas/>

- **Reference codes affected**

<https://inspire.ec.europa.eu/applicationschema>

Governance: European Commission, JRC

- **Change proposal (Type: ADDITION)**

Add a new new attribute called 'Reference' to include the link to the schema repository.

Regarding the pages of the specific application schemas, e.g. <https://inspire.ec.europa.eu/applicationschema/au>, the generic link will be added:

Reference	https://inspire.ec.europa.eu/schemas/au/
------------------	---

INSPIRE registry	
INSPIRE application schema register	
URI	http://inspire.ec.europa.eu/applicationschema
Label	INSPIRE application schema register
Content summary	The INSPIRE application schema register contains all application schemas of the consolidated INSPIRE UML data model.
Register Manager	European Commission, Joint Research Centre
Register Owner	European Union
Control Body	Control body for the central INSPIRE registers and INSPIRE register federation
Submitting Organization	Nominated submitting organisations for the central INSPIRE registers and INSPIRE register federation
Contact Point	JRC INSPIRE Registry Team
Reference License	https://inspire.ec.europa.eu/schemas Europa Legal Notice
Insert date	2013-03-25 14:16 PM CET
Available formats:	XML Registry XML ISO 19135 RDF/XML JSON CSV ATOM ROR

Change proposals

Issue 14

- **Motivation**

Several items from the [SurveyTypeValue](http://inspire.ec.europa.eu/codelist/SurveyTypeValue) list have definitions that do not match their descriptions.

- **Reference code affected**

Governance: The item is governed at the level of INSPIRE legal acts.

<http://inspire.ec.europa.eu/codelist/SurveyTypeValue>

- **Change proposal (Type: CLARIFICATION)**

The descriptions have been reorganised as shown in the next slide.

Note that 5 items have no description available:

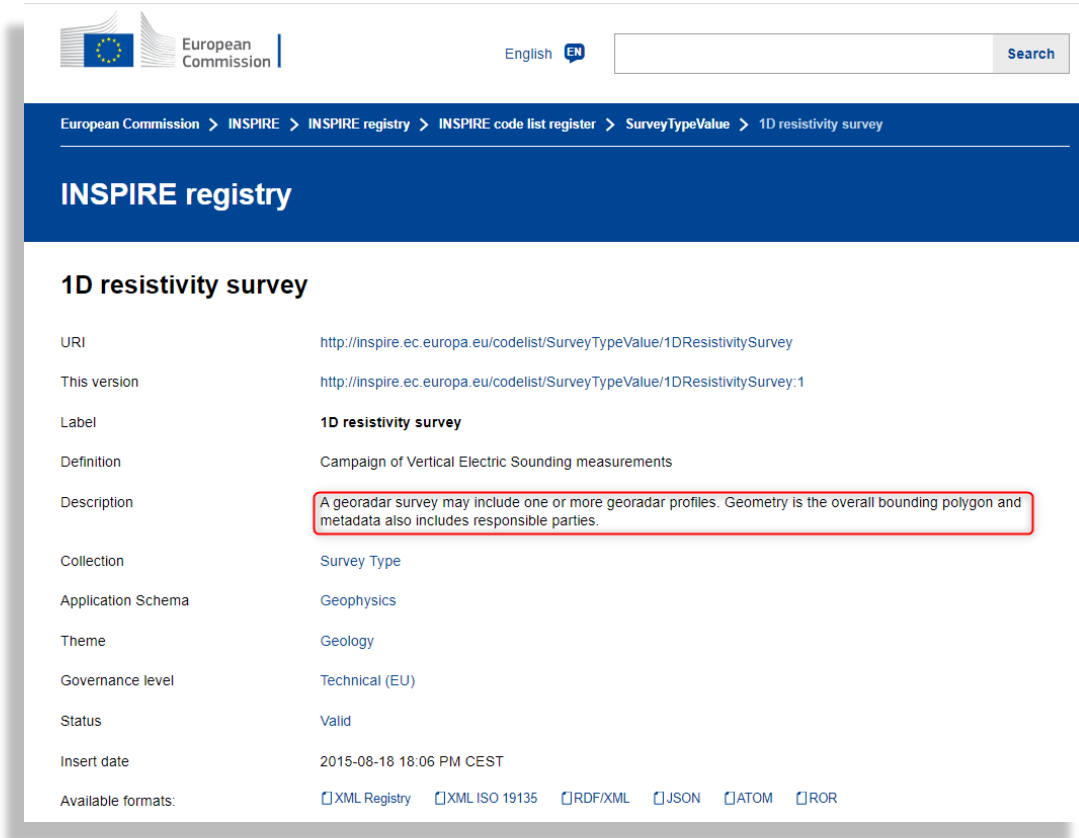
<https://inspire.ec.europa.eu/codelist/SurveyTypeValue/3DResistivitySurvey>

<https://inspire.ec.europa.eu/codelist/SurveyTypeValue/airborneGeophysicalSurvey>

<https://inspire.ec.europa.eu/codelist/SurveyTypeValue/groundGravitySurvey>

<https://inspire.ec.europa.eu/codelist/SurveyTypeValue/groundMagneticSurvey>

<https://inspire.ec.europa.eu/codelist/SurveyTypeValue/seismologicalSurvey>



The screenshot shows the INSPIRE registry page for the '1D resistivity survey' code. The page is part of the European Commission's INSPIRE registry. The breadcrumb trail is: European Commission > INSPIRE > INSPIRE registry > INSPIRE code list register > SurveyTypeValue > 1D resistivity survey. The page title is 'INSPIRE registry' and the specific entry is '1D resistivity survey'. The entry details are as follows:

URI	http://inspire.ec.europa.eu/codelist/SurveyTypeValue/1DResistivitySurvey
This version	http://inspire.ec.europa.eu/codelist/SurveyTypeValue/1DResistivitySurvey:1
Label	1D resistivity survey
Definition	Campaign of Vertical Electric Sounding measurements
Description	A georadar survey may include one or more georadar profiles. Geometry is the overall bounding polygon and metadata also includes responsible parties.
Collection	Survey Type
Application Schema	Geophysics
Theme	Geology
Governance level	Technical (EU)
Status	Valid
Insert date	2015-08-18 18:06 PM CEST
Available formats:	XML Registry XML ISO 19135 RDF/XML JSON ATOM ROR

Below is the table where the [SurveyTypeValue](#) item's descriptions have been reorganised. In order to present the change proposal in the next sub-group meeting, could you please validate this reorganisation? On the other hand, some items are left without description, could you provide a proposal for these descriptions? Thanks

codelist	Actual description	Correct description
1DResistivitySurvey	A georadar survey may include one or more georadar profiles. Geometry is the overall bounding polygon and metadata also includes responsible parties.	A 1D resistivity survey may include any number of VES stations. Geometry is the overall bounding polygon and metadata also includes responsible parties.
2DResistivitySurvey	A CPT survey may include any number of CPT soundings. Geometry is the overall bounding polygon and metadata also includes responsible parties.	A 2D resistivity survey may include one or more multielectrode DC profiles. Geometry is the overall bounding polygon and metadata also includes responsible parties.
2DSeismicSurvey	A time domain EM survey may include any number of TDEM soundings. Geometry is the overall bounding polygon and metadata also includes responsible parties.	A 2D seismic survey may include one or more seismic lines. Geometry is the overall bounding polygon and metadata also includes responsible parties.
3DResistivitySurvey	A 1D resistivity survey may include any number of VES stations. Geometry is the overall bounding polygon and metadata also includes responsible parties.	
3DSeismicSurvey	A frequency domain EM survey may include any number of FDEM soundings. Geometry is the overall bounding polygon and metadata also includes responsible parties.	A 3D seismic survey may include one or more 3D seismic measurements. Geometry is the overall bounding polygon and metadata also includes responsible parties.
airborneGeophysicalSurvey	A 2D seismic survey may include one or more seismic lines. Geometry is the overall bounding polygon and metadata also includes responsible parties.	
boreholeLoggingSurvey	A magnetotelluric survey may include any number of MT soundings. Geometry is the overall bounding polygon and metadata also includes responsible parties.	A borehole logging survey may include one or more borehole logging measurements. Geometry is the overall bounding polygon and metadata also includes responsible parties.
CPTSurvey	A CPT survey may include any number of CPT soundings. Geometry is the overall bounding polygon and metadata also includes responsible parties.	A CPT survey may include any number of CPT soundings. Geometry is the overall bounding polygon and metadata also includes responsible parties.
frequencyDomainEMSurvey	A sonar survey may include any number of individual sonar measurements. Geometry is the overall bounding polygon and metadata also includes responsible parties.done	A frequency domain EM survey may include any number of FDEM soundings. Geometry is the overall bounding polygon and metadata also includes responsible parties.

geoRadarSurvey	A georadar survey may include one or more georadar profiles. Geometry is the overall bounding polygon and metadata also includes responsible parties.	A georadar survey may include one or more georadar profiles. Geometry is the overall bounding polygon and metadata also includes responsible parties.
groundGravitySurvey	A 3D seismic survey may include one or more 3D seismic measurements. Geometry is the overall bounding polygon and metadata also includes responsible parties.	
groundMagneticSurvey	A borehole logging survey may include one or more borehole logging measurements. Geometry is the overall bounding polygon and metadata also includes responsible parties.	
magnetotelluricSurvey	A magnetotelluric survey may include any number of MT soundings. Geometry is the overall bounding polygon and metadata also includes responsible parties.	A magnetotelluric survey may include any number of MT soundings. Geometry is the overall bounding polygon and metadata also includes responsible parties.
seismologicalSurvey	A 2D resistivity survey may include one or more multielectrode DC profiles. Geometry is the overall bounding polygon and metadata also includes responsible parties.	
sonarSurvey	A sonar survey may include any number of individual sonar measurements. Geometry is the overall bounding polygon and metadata also includes responsible parties.	A sonar survey may include any number of individual sonar measurements. Geometry is the overall bounding polygon and metadata also includes responsible parties.
timeDomainEMSurvey	A VSP survey may include any number of vertical seismic profiles. Geometry is the overall bounding polygon and metadata also includes responsible parties.	A time domain EM survey may include any number of TDEM soundings. Geometry is the overall bounding polygon and metadata also includes responsible parties.
VSPSurvey	A VSP survey may include any number of vertical seismic profiles. Geometry is the overall bounding polygon and metadata also includes responsible parties.	A VSP survey may include any number of vertical seismic profiles. Geometry is the overall bounding polygon and metadata also includes responsible parties.

Regards

Change proposals

Issue 28

- **Motivation**

Insert in the INSPIRE Registry the layers corresponding to the Natural Risk Zones (NZ) theme, defined in the '[COMMISSION REGULATION \(EU\) No 1089/2010 of 23 November 2010 implementing Directive 2007/2/EC of the European Parliament and of the Council as regards interoperability of spatial data sets and services](#)'.

- **Reference code affected**

<https://inspire.ec.europa.eu/layer>

Governance: JRC INSPIRE

- **Change proposal** (Type: ADDITION)

Add layers of the NZ theme. Currently there is only one layer in the INSPIRE Registry: <https://inspire.ec.europa.eu/layer/NZ.ExposedElement>

For points (1) and (2) one entry will be added in the INSPIRE Registry for each [NaturalHazardCategoryValue](#) item and in the attribute "SpatialObjectType" the four relevant feature types will be mentioned: HazardArea, HazardAreaCoverage, ObservedEvent, ObservedEvent Coverage.

Layer Name	Layer Title	Spatial object type
NZ.RiskZone	Risk Zones	RiskZone
NZ.RiskZoneCoverage	Risk Zones Coverage	RiskZoneCoverage
NZ. <CodeListValue> ⁽¹⁾	<human readable name>	HazardArea, HazardAreaCoverage (typeOfHazard: NaturalHazardCategoryValue)
Example: NZ.Landslide	Example: Landslides	
NZ. <CodeListValue> ⁽²⁾	<human readable name>	ObservedEvent, ObservedEventCoverage (typeOfHazard: NaturalHazardCategoryValue)
Example: NZ.Flood	Example: Floods	
NZ.ExposedElement	Exposed Elements	ExposedElement
NZ.ExposedElementCoverage	Exposed Element Coverage	ExposedElementCoverage


⁽¹⁾ One layer shall be made available for each code list value, in accordance with Art. 14(3).

⁽²⁾ One layer shall be made available for each code list value, in accordance with Art. 14(3).

Pending proposals

Issue 34

- This change proposal was discussed in the [74th MIG-T meeting](#) as a candidate for release 2023.2.
- It was not endorsed. Further investigation should be done on the use of the **two-letters** ([Interinstitutional style guide](#)) or **three letters** ([Publications Office of the European Union](#)) codes.
- Feedback from Sub-group members is needed to further consider this issue.



The screenshot shows the INSPIRE registry interface. At the top, there is the European Commission logo and a search bar. The breadcrumb trail reads: European Commission > INSPIRE > INSPIRE registry > INSPIRE reference document register > Country Named Authority List from the Metadata Registry of the Publications Office. The main heading is 'INSPIRE registry'. Below it, the title of the document is 'Country Named Authority List from the Metadata Registry of the Publications Office'. A table lists various metadata fields:

URI	http://inspire.ec.europa.eu/document/CountryCode
This version	http://inspire.ec.europa.eu/document/CountryCode:1
Label	Country Named Authority List from the Metadata Registry of the Publications Office
Predecessor	EU-28 and candidate countries'. Countries, languages and currencies: names, codes and listing order.
External Reference Governance Body	European Commission
External Reference Available Languages	en
External Reference Link	http://publications.europa.eu/mdr/authority/country
Status	Valid
Insert date	2015-08-24 10:52 AM CEST
Available formats:	XML Registry XML ISO 19135 RDF/XML JSON ATOM ROR

Thank you!



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