



MIWP Action 2.3.1: Governance of INSPIRE artefacts

JRC INSPIRE Team

76th MIG-T meeting – November 30, 2023

Status update

- Conversion of TGs to AsciiDoc
- Updates and news on INSPIRE artefacts
- Implementation of Good Practice on Data and Service Linking Simplification
- Open action on the TG change proposals
- Overview of [new change proposals](#):
 - Technical Guidance: [#82](#), [#105](#), [#108](#), [#110](#) and [#112](#)
- Vote on [new change proposals](#)

Conversion of INSPIRE TGs in AsciiDoc

- All TGs scheduled by December 2023 are available in the [2024.1 branch](#). Comments and/or pull requests are more than welcome.
- These TGs will be included in the 2024.1 release (due by January 31st) and will contain the related change proposals endorsed by the MIG by 31/01/2024.

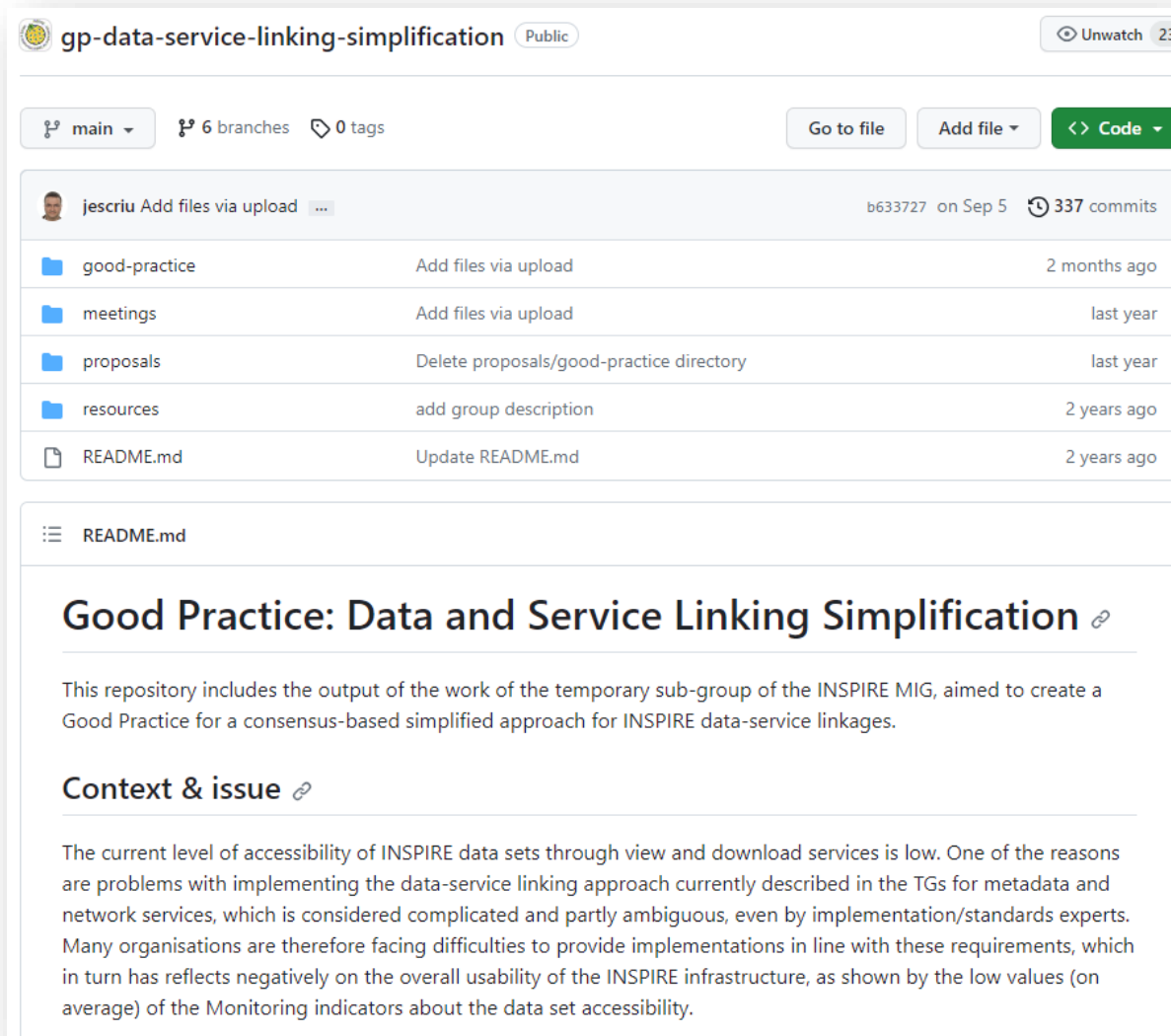
19	Buildings	Yes		December 2023
20	Agricultural and aquaculture facilities	Yes		"
21	Area management/restriction/regulation zones and reporting units			"
22	Natural risk zones			"
23	Transport networks			"
24	Human health and safety			"
25	Production and industrial facilities			"
26	Habitats and biotopes			"

Updates and news on INSPIRE artefacts

Next releases **2024.1** (TG, schema, UML) due by January 31, 2024 will include:

- Technical guidelines:
 - **change proposals** endorsed by the MIG by 31/01/2024
 - **8 new TGs**, including the related endorsed change proposals (if present)
 - **changes included in the 1089/2010 amendment**
- Application schemas:
 - **changes included in the 1089/2010 amendment**
- UML:
 - **endorsed change proposals** related to TGs and schema which have an impact on UML
 - **changes included in the 1089/2010 amendment**

Implementation of Good Practice



The screenshot shows a GitHub repository page for 'gp-data-service-linking-simplification'. The repository is public and has 6 branches and 0 tags. The main branch is selected. The repository was last updated on Sep 5 by user jescriu, with 337 commits. The file list includes:

File Name	Commit Message	Time Ago
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

The README.md file is open, showing the following content:

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.

Good Practice Guidelines:

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

Follow validator helpdesk discussion for updates:

[New ATs/ETs for the integration of Good Practice "Data and Service Linking Simplification"](#)

Open action on TG change proposal #72

- [#72](#) - Metadata contactInfo: onlineResource as alternative to electronicMailAddress
 - The MIG/MIG-T members approved the proposal to “relax” the IR requirements (which require the e-mail address as a mandatory contact information), allowing the provision of a URL of an online contact form as an alternative to the e-mail address.
 - This change proposal was approved but it was requested to investigate whether a more specific alternative to the proposed "onlineResource" element exists for the provision of the URL.
 - Looking at the relevant data type "CI_Contact", it seems that the "contactInstructions" element is a valid alternative to the "onlineResource" element and more suitable for the scope.

ACTION: MIG-T members to provide feedback on the proposed solution on GitHub

Open action on TG change proposal #84

- [#84](#) - GeographicalName: sourceOfName
 - Proposal to change the data type of the *sourceOfName* attribute (from GeographicalName feature type) from *CharacterString* to *LocalisedCharacterString*, to express the *sourceOfName* attribute in different languages (e.g. to comply with Belgian legislation).
 - The Sub-group re-discussed it and decided not to recommend its implementation because it:
 - is a breaking change
 - is not easy to implement
 - requires an IR change
 - is needed only for one MS
 - Any other alternative solution that is not a breaking-change is more than welcome.

Change proposals to INSPIRE TGs

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

5 Open ✓ 0 Closed Author ▾ Label ▾ Projects ▾

- TG Download - dataset identifier namespace is optional** for INSPIRE MIG for INSPIRE MIG-T impact on validator
#82 opened on Dec 21, 2022 by heidivanparys
- TG Download - Data-service linking simplification for Atom** for INSPIRE MIG for INSPIRE MIG-T impact on validator
#105 opened on May 18 by heidivanparys
- TG Metadata - Data-service linking simplification for ISO/TS 19139:2007 metadata** for INSPIRE MIG for INSPIRE MIG-T
impact on validator
#108 opened on Jun 30 by heidivanparys
- TG View - Data-service linking simplification for WMS** for INSPIRE MIG for INSPIRE MIG-T impact on validator
#110 opened on Jul 1 by heidivanparys
- TG Download - Data-service linking simplification for WFS** for INSPIRE MIG for INSPIRE MIG-T impact on validator
#112 opened on Jul 1 by heidivanparys

Change proposal #82

- [#82](#) - TG Download - dataset identifier namespace is optional (PR [#83](#))
 - Make *spatial_dataset_identifier_namespace* optional in requirements 13, 42, 43, 44, 50 and 51, since the *namespace* component of the dataset identifier is optional.

Change example:

5.1.13. Download Service Feed: entry INSPIRE identifier elements

Each entry in the download service feed shall contain the INSPIRE Spatial Dataset Unique Resource Identifier for the dataset described by that entry. This is the Spatial Dataset Unique Resource Identifier as described in the INSPIRE Metadata Regulation [INS MD]. This shall can be provided either in one part, the code only (*inspire_dls:spatial_dataset_identifier_code*), or in two parts, the code (*inspire_dls:spatial_dataset_identifier_code*) and namespace (*inspire_dls:dsid_namespace*), see also [Mapping of Spatial Data Set Identifier parameter](#). The *inspire_dls* namespace is defined as in the feed as follows:

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.

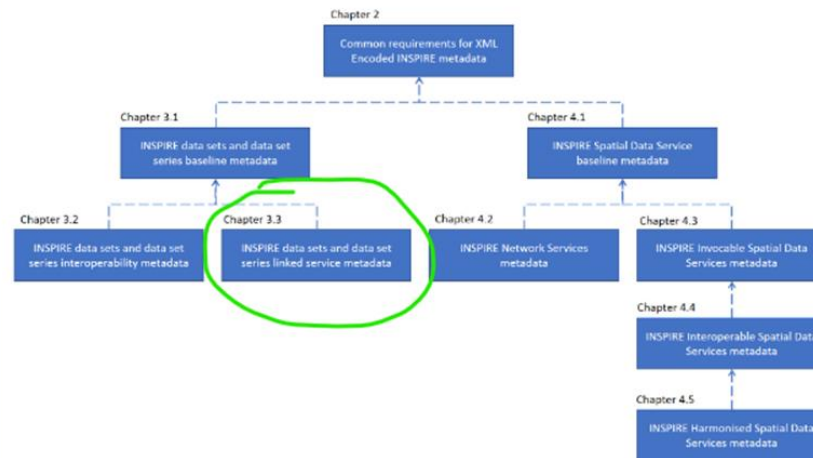
Change proposal #108

Change example:

This specification consists of 8 Conformance Classes (see also **Figure 4**), all having as conformance subject a metadata record encoded in ISO 19139 based XML format:

- Conformance Class 1: INSPIRE data sets and data set series baseline metadata ([section 3.1](#)),
 - Conformance Class 2: INSPIRE data sets and data set series interoperability metadata ([section 3.2](#)),
 - Conformance Class 8: INSPIRE data sets and data set series linked service metadata ([section 3.3](#)),
- Conformance Class 3: INSPIRE Spatial Data Service baseline metadata ([section 4.1](#)),
 - Conformance Class 4: INSPIRE Network Services metadata ([section 4.2](#)),
 - Conformance Class 5: INSPIRE Invocable Spatial Data Services metadata ([section 4.3](#)),
 - Conformance Class 6: INSPIRE Interoperable Spatial Data Services metadata (<cc6,section 4.4>>), and
 - Conformance Class 7: INSPIRE Harmonised Spatial Data Services metadata ([section 4.5](#)).

The indentation of the above list indicates the requirement inclusion hierarchy between Conformance Classes: A Conformance Class intended as sub-element in the list also includes all the TG Requirements of the parent level Conformance Classes. Section 2 contains TG Requirements and Recommendations describing metadata elements that shall be used in the same way in more than one of the mentioned Conformance Classes.



Change proposal #110

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

4.2.3.3.1. View service metadata

Two scenarios have Services [INS NS] and on scenarios are not mutually

1. Scenario 1: The View Service metadata elements are managed in an INSPIRE Discovery catalogue. The INSPIRE network service metadata record in a Discovery Service is referenced in the extended INSPIRE capabilities.
2. Scenario 2: The View Service metadata elements are fully mapped to [ISO 19128] – WMS 1.3.0 elements and elements in the INSPIRE extended capabilities.
3. Scenario 3: The View Service metadata elements are fully mapped to [ISO 19128] – WMS 1.3.0 elements without the use of any extended capabilities.

Implementation Requirement 6 The INSPIRE View Service metadata elements shall be available in one or more of the following ways:

1. The extended capabilities section of the View Service is in accordance with the schema at http://inspire.ec.europa.eu/schemas/inspire_vs/1.0/inspire_vs.xsd and contains a [link to the metadata record](#) of the service in an INSPIRE Discovery catalogue in element `<inspire_common:MetadataURL>`, Change proposal #108
2. The capabilities section of the View Service contains the View Service metadata elements in accordance with Table 3a and the schema at http://inspire.ec.europa.eu/schemas/inspire_vs/1.0/inspire_vs.xsd;
3. The capabilities section of the View Service contains the View Service metadata elements in accordance with Table 3b.

Change proposal #112

- [#112](#) - TG Download - Data-service linking simplification for WFS (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.

In addition: For consistency with the terminology of the View TG, the sub-group further specifies this change proposal renaming the "*option*" term with "*scenario*".

Voting on change proposals

slido

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slido.com
#mig-t76



Thank you!



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