Action 2.3.2 'Data and Service Linking simplification'

JRC INSPIRE Team

Kick-off Part B. “Remapping of Extended Capabilities” - December 3, 2021

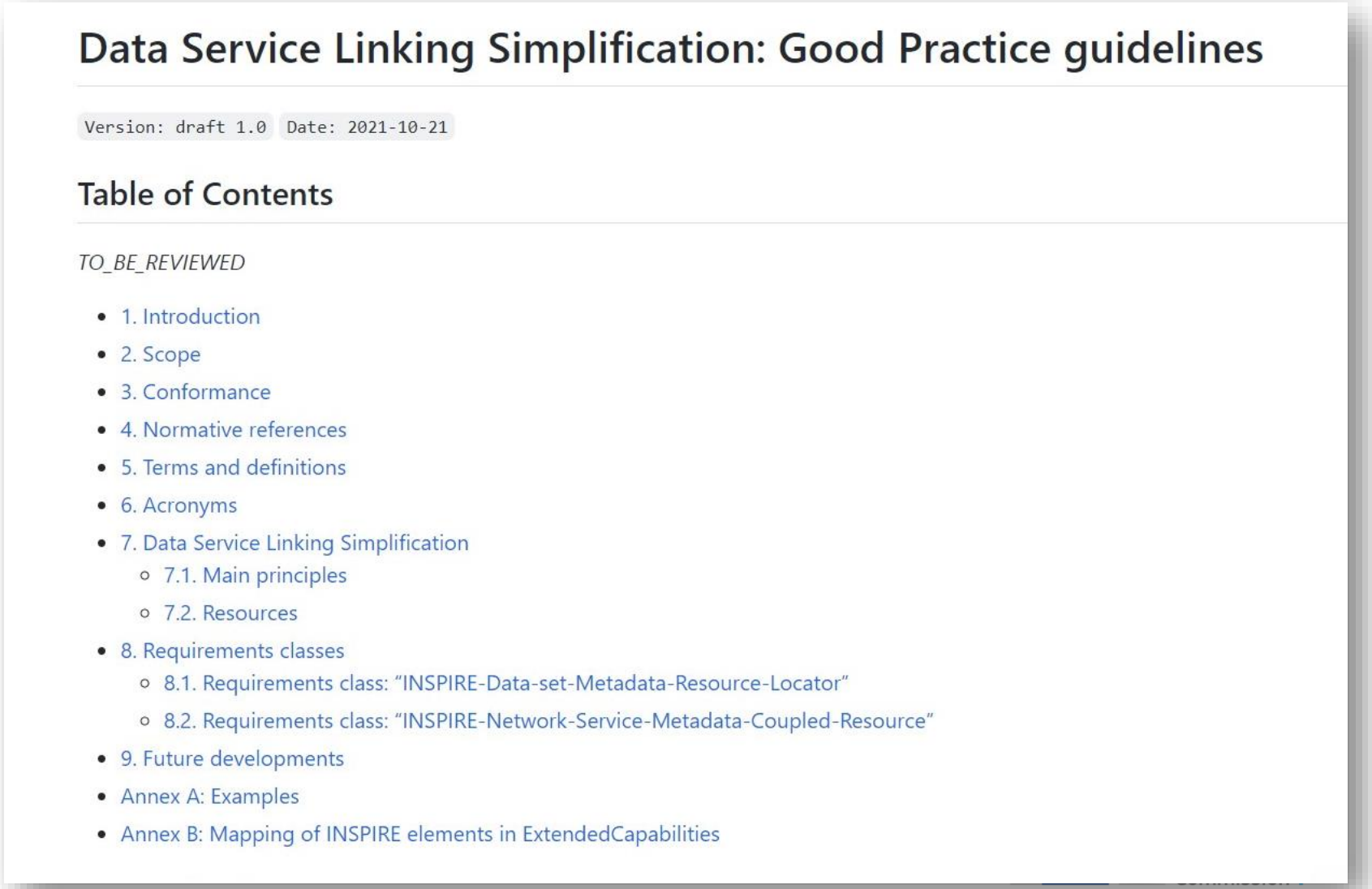
Meeting agenda

- Welcome and Approval of the agenda (JRC)
- Possible amendments to Part A Consolidated proposal ("Data-service linking simplification"):
  - Based on Issue #38 (Marie)
  - Inputs received by email on 02/12 (Heidi).
- Discussion on the Remapping of Extended Capabilities - Based on Consolidated proposal – Annex B (All)
- Way forward for Part B (All)
- AOB (All)

The meeting is recorded, and the recording will be made available afterwards upon request.

Amendments to Part A - Consolidated proposal

https://github.com/INSPIRE-MIF/gp-data-service-linking-simplification/blob/main/proposals/JRC/ds-linking-simplification-good-practice.md



Data Service Linking Simplification: Good Practice guidelines

`Version: draft 1.0` `Date: 2021-10-21`

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TO_BE_REVIEWED

Amendment #1.
Make resource locator URL ISO compliant

Service metadata (external metadata file or “embedded” in the capabilities)

4.1.2.4 Linking to provided data sets using coupled resource

This metadata element refers to, where relevant, the target spatial data set(s) of the described service. It is implemented by reference, i.e. through a URL that points to the metadata record of the data on which the service operates. It helps therefore linking services to the relevant datasets.

The element for giving this information is described in [Regulation 1205/2008], Part B 1.6:

1.6. Coupled resource

If the resource is a spatial data service, this metadata element identifies, where relevant, the target spatial data set(s) of the service through their unique resource identifiers (URI).

The value domain of this metadata element is a mandatory character string code, generally assigned by the data owner, and a character string namespace uniquely identifying the context of the identifier code (for example, the data owner).

The multiplicity of this element as defined in [Regulation 1205/2008], Part C, Table 2 is zero or more, with the following condition: "Mandatory if linkage to data sets on which the service operates are available". According to [ISO 19119] the coupled resource is encoded using operatesOn property and it is value is the MD_DataIdentification element of the data set.

TG Requirement 3.6: metadata/2.0/req/sds/coupled-resource

Links pointing to the online metadata descriptions of data sets provided by the described service shall be given using *srv:operatesOn* element.

The multiplicity of this element is 0..n.

This property shall be implemented by reference. The *xlink:href* attribute of each of the *srv:operatesOn* elements shall contain a URI pointing to the *gmd:MD_DataIdentification* element of the metadata record of the provided the data set or data set series.

First Proposal – Not ISO compliant

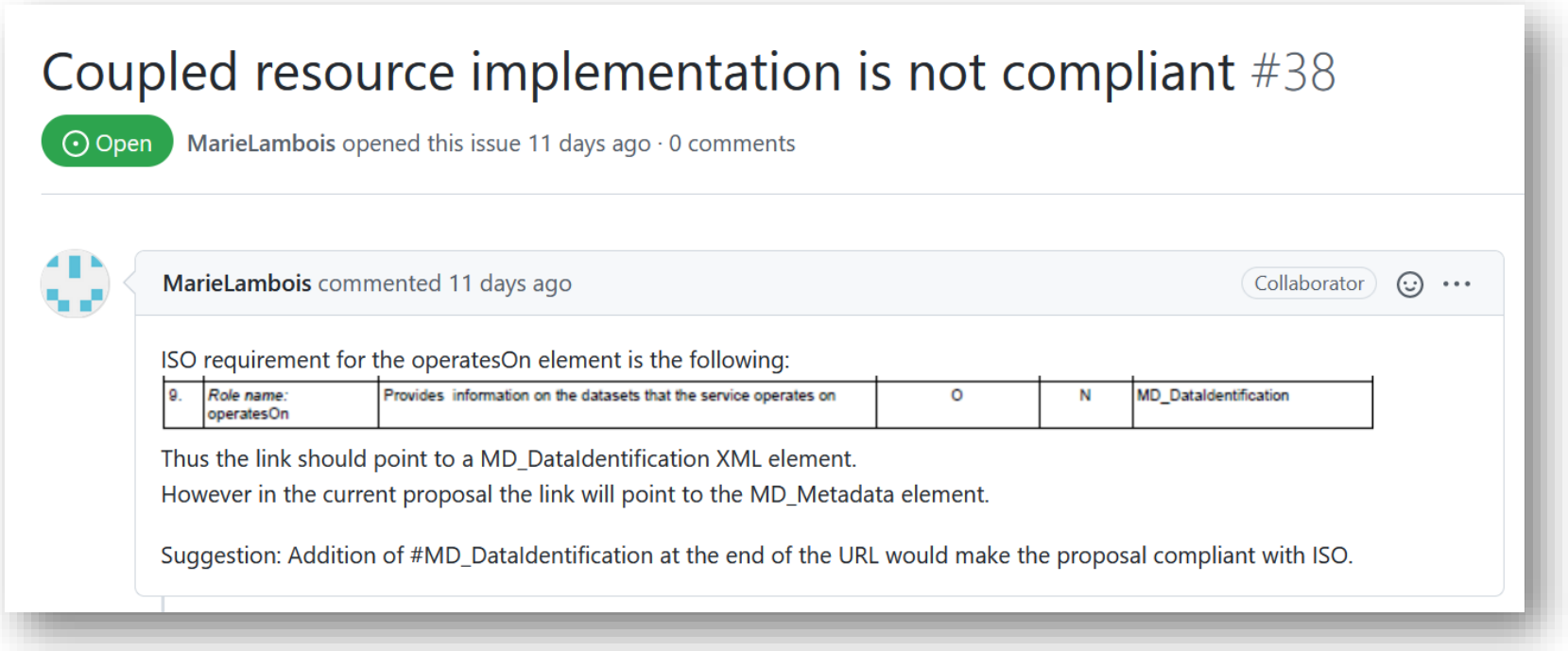
Simplification

Simple use of the dataset metadata URL (e.g., CSW request) for the “Coupled resource” element

European Commission

Amendment #1.
Make resource locator URL ISO compliant

- Proposed amendment: Issue #38 (Marie)



Coupled resource implementation is not compliant #38

Open MarieLambois opened this issue 11 days ago · 0 comments

MarieLambois commented 11 days ago — Collaborator

ISO requirement for the operatesOn element is the following:

9.	*Role name:* operatesOn	Provides information on the datasets that the service operates on	O	N	MD_DataIdentification

Thus the link should point to a MD_DataIdentification XML element.
However in the current proposal the link will point to the MD_Metadata element.

Suggestion: Addition of #MD_DataIdentification at the end of the URL would make the proposal compliant with ISO.

https://github.com/INSPIRE-MIF/gp-data-service-linking-simplification/issues/38

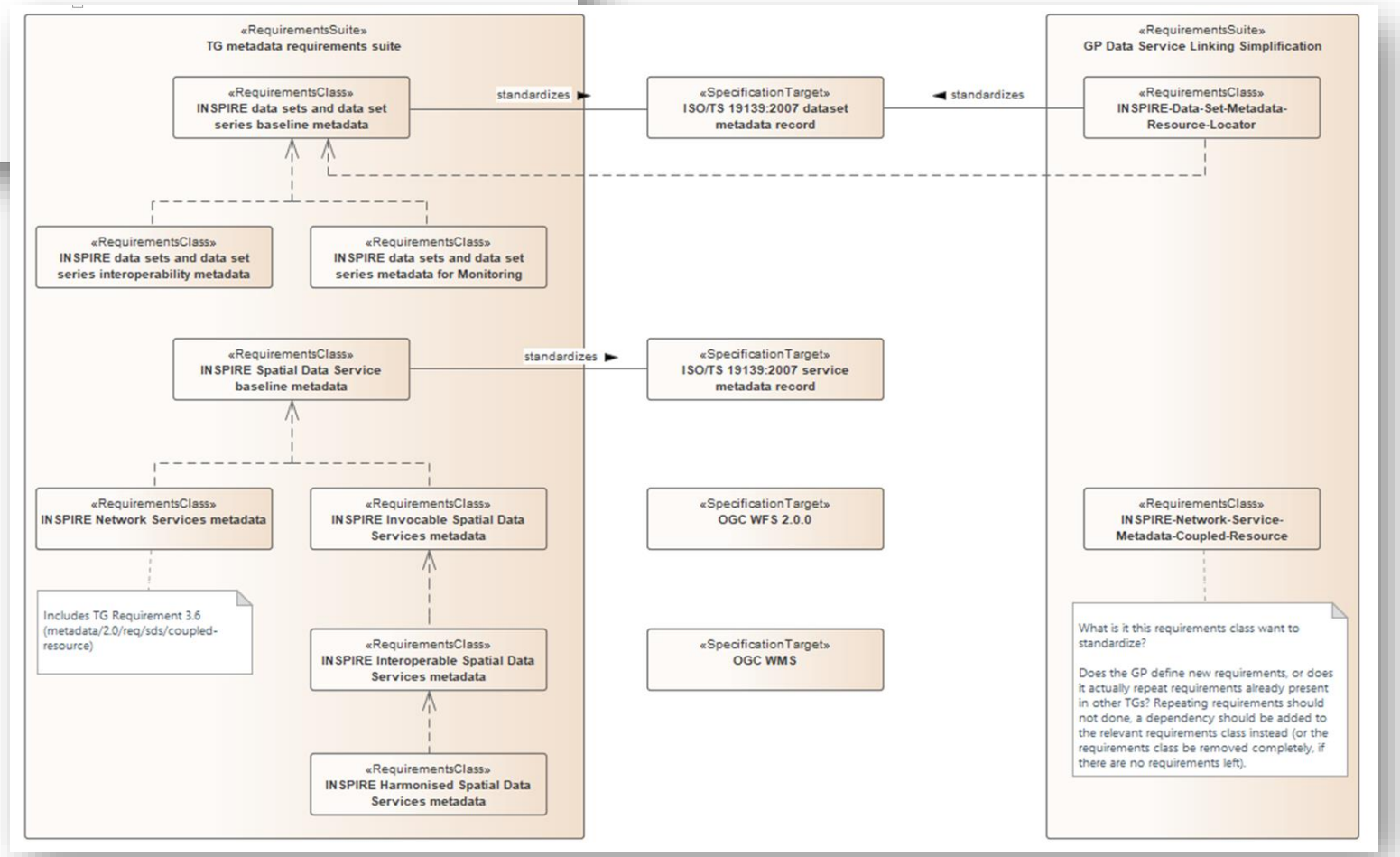
- Solution: Append the "#MD_DataIdentification" at the end of the Coupled resource URL.

European Commission

Amendment #2.
Inputs received by email on 02/12

- Heidi Vanparys

- to group the requirements into requirements classes according to what it is *exactly* they are setting a requirement for ("service metadata" is not specific enough):
  - ISO/TS 19139:2007 dataset metadata record
  - OGC WFS service
  - OGC WMS service
  - …
- not to repeat any requirements already present in other TGs, but instead
  - adding a dependency to that TG
  - or remove the requirements class if it does not actually define additional requirements



Discussion on the Remapping of Extended Capabilities

- New mapping of the INSPIRE elements contained in the service metadata, as described in the Scenario 2 in the INSPIRE Network Service TGs.
- Objective: Remove the need for the Extended Capabilities
- Based on Consolidated proposal – Annex B.

Discussion on the Remapping of Extended Capabilities

- Discussion on Proposal: Consolidated proposal – Annex B.

Extended capabilities	Proposed action on mapping	Rationale	Applicable on Service type
inspire_common:ResourceType	Discard	By default = service	WMS - WFS
inspire_common:ResourceLocator	Discard	Resource locator in the data set metadata	WMS - WFS
inspire_common:SpatialDataServiceType	Discard	Moved to the applicationProfile in the data set metadata	WMS - WFS
inspire_common:TemporalReference	TBD	Consider the temporalReference in the data set metadata?	WMS - WFS
inspire_common:Conformity	Keep	Declared through the wms:keyword element	WMS - WFS
inspire_common:MetadataPointOfContact	TBD	Consider the metadataPointOfContact in the data set metadata	WMS - WFS
inspire_common:MetadataDate	TBD	Consider the metadataDate in the data set metadata	WMS - WFS
inspire_common:SupportedLanguages	TBD	Consider the metadataLanguage in the data set metadata	WMS - WFS
inspire_dls:SpatialDataSetIdentifier/inspire_common:Code inspire_dls:SpatialDataSetIdentifier/inspire_common:Namespace	Keep	Data set identifier in the data set metadata	WFS

Next steps – Way forward for Part B

- **Next steps**:
  1. Refine (if needed) the proposed Remapping of Extended Capabilities based on the outcomes from the discussion.
  2. Additional work / actions thread from this discussion:
     a. Identify a well-known list of actions (e.g. identify, enumerate and specify changes needed in TGs - In order to tackle them in the scope of Sub-group 2.3.1 ‘Governance of TGs’).
     b. Split the work between the working-group (volunteers).
  3. Agree on a proposed date next Part B Follow-up (~ late January 2022).
- **AoB**.

Thank you!

JRC-INSPIRE-SUPPORT@ec.europa.eu

European Commission