



# MIWP Action 2.3.1: Governance of INSPIRE artefacts

**JRC INSPIRE Team**

*69<sup>th</sup> MIG-T meeting – April 1, 2022*

# Release of INSPIRE schemas – v.2022.1

- Inclusion of the change proposal endorsed by the MIG as of 31/1/2022:

v2022.1 31/01/2022 Latest Compare

sMorrone released this 31 Jan 2022 2022.1 b90504e

This release contains only non-breaking changes corresponding to one change proposal.

Find below: the link to the change proposal issue in the application schema repository, a brief description of the modifications carried out, the link to the pull request, indication of the schema version and the typology of change.

- #7 [common] Updated common.xsd in order to add Croatian language + Added a related enum\_hrv.xsd - #55 - common v1.0.2 - enum\_hrv.xsd v1.0.0 - non breaking change - **bugfix**

In addition, in this release:

- Added a folder named '2021.2' including all the previous versions of the schemas, with the paths of their imported schemas modified in order to point to the same set of schemas inside the folder '2021.2' #57
- Updated readme file with changelog of release v2022.1 #57

Assets 2

- Source code (zip)
- Source code (tar.gz)

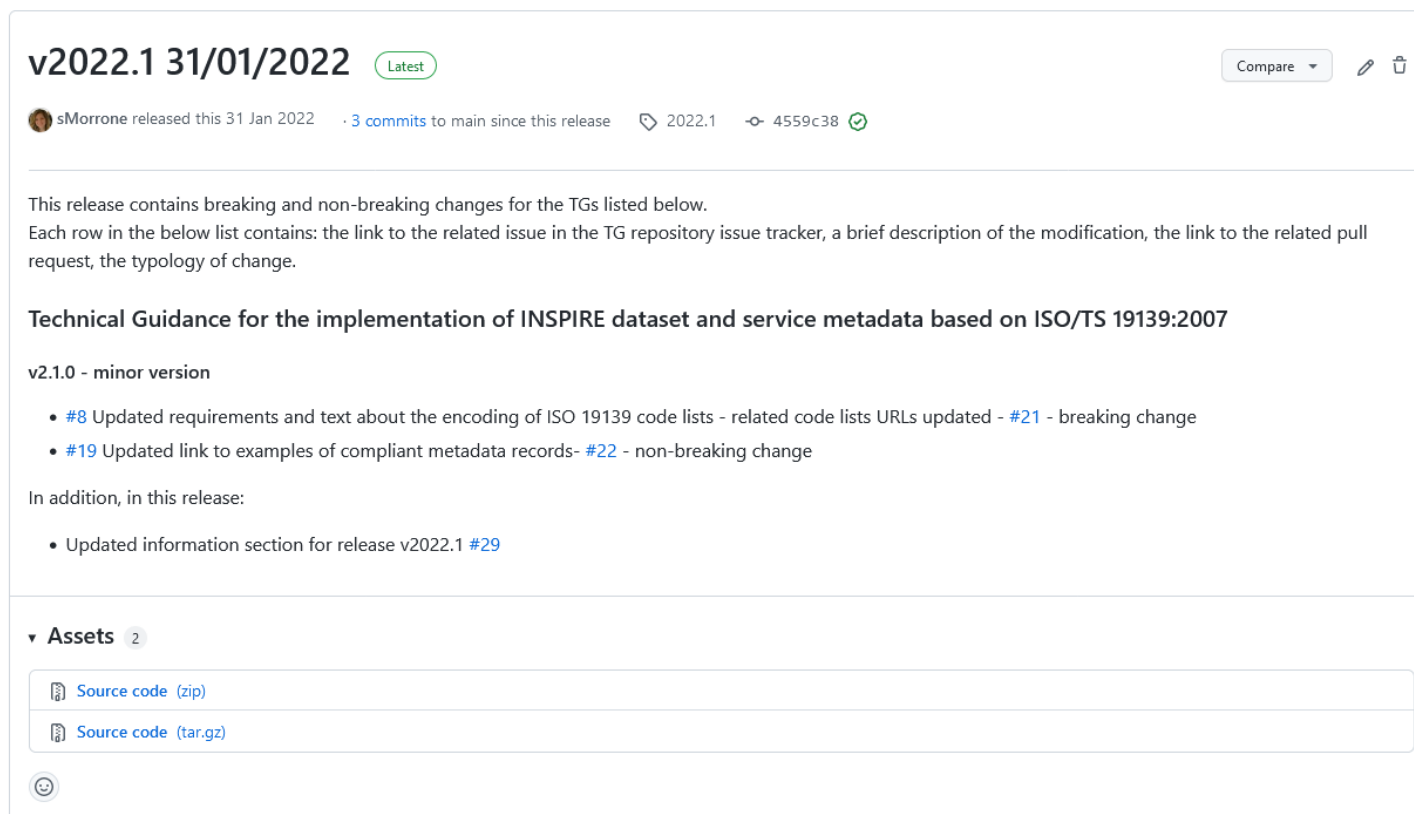
https://inspire.ec.europa.eu/schemas/

## Index of /schemas


[ICO]	Name	Last modified	Size	Description
[PARENTDIR]	<a href="#">Parent Directory</a>			-
[DIR]	<a href="#">2021.1/</a>	2022-01-31 13:30		-
[DIR]	<a href="#">2021.2/</a>	2022-01-31 13:30		-
[DIR]	<a href="#">ac-mf/</a>	2022-01-31 13:30		-
[DIR]	<a href="#">act-core/</a>	2022-01-31 13:30		-
[DIR]	<a href="#">ad/</a>	2022-01-31 13:30		-
[DIR]	<a href="#">af/</a>	2022-01-31 13:30		-
[DIR]	<a href="#">am/</a>	2022-01-31 13:30		-
[DIR]	<a href="#">au/</a>	2022-01-31 13:30		-
[DIR]	<a href="#">base/</a>	2022-01-31 13:30		-
[DIR]	<a href="#">base2/</a>	2022-01-31 13:30		-
[DIR]	<a href="#">br/</a>	2022-01-31 13:30		-
[DIR]	<a href="#">bu-base/</a>	2022-01-31 13:30		-
[DIR]	<a href="#">bu-core2d/</a>	2022-01-31 13:30		-

# Release of INSPIRE TGs – v.2022.1

- **MD TG 2.1.0:** inclusion of the 2 change proposals endorsed by the MIG as of 31/1/2022:



**v2022.1 31/01/2022** Latest Compare ✎ 🔖

 sMorrone released this 31 Jan 2022 · [3 commits](#) to main since this release 🔖 2022.1 🔗 4559c38 🟢

This release contains breaking and non-breaking changes for the TGs listed below.  
Each row in the below list contains: the link to the related issue in the TG repository issue tracker, a brief description of the modification, the link to the related pull request, the typology of change.

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



v2.1.0 - minor version


- [#8](#) Updated requirements and text about the encoding of ISO 19139 code lists - related code lists URLs updated - [#21](#) - breaking change
- [#19](#) Updated link to examples of compliant metadata records- [#22](#) - non-breaking change

In addition, in this release:

- Updated information section for release v2022.1 [#29](#)

▼ **Assets** 2

-  [Source code](#) (zip)
-  [Source code](#) (tar.gz)



# Release of INSPIRE TGs – v.2022.1

- MD TG 2.1.0: inclusion of the 2 change proposals endorsed by the MIG as of 31/1/2022:

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

### Document Information

[Document URL](#)

#### Description:

Implementation specification for defining metadata for INSPIRE datasets and services in ISO/TS 19139 based XML format in compliance with the INSPIRE Implementing Rules for metadata.

**Subject:** Technical Guidance for INSPIRE metadata for datasets and services

**Publisher:** INSPIRE Maintenance and Implementation Group (MIG)

**Published Date:** Monday, January 31, 2022

**Type:** [Guidance document](#)

**License:** [Creative Commons Attribution \(cc-by\) 4.0](#)

#### Category:

[Metadata](#)

#### Tags:

[ISO 19139](#)

[service metadata](#)

**Version:** 2.1.0

**Release Note:** [rnotev.2.1.0.txt](#)



INSPIRE Infrastructure for Spatial Information in Europe

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

Title	Technical Guidelines for implementing dataset and service metadata based on ISO/TS 19139:2007
Creator	Temporary MIWP 2021-2024 sub-group 2.3.1
Date of publication	2022-01-31
Subject	Technical Guidance for INSPIRE metadata for datasets and services
Status	Version 2.1.0 This document has been endorsed by the INSPIRE maintenance and implementation group (MIG).
Publisher	INSPIRE Maintenance and Implementation Group (MIG)
Type	Text
Description	Implementation specification for defining metadata for INSPIRE datasets and services in ISO/TS 19139 based XML format in compliance with the INSPIRE Implementing Rules for metadata.
Format	AsciiDoc
License	Creative Commons Attribution (cc-by) 4.0 ( <a href="https://creativecommons.org/licenses/by/4.0/">https://creativecommons.org/licenses/by/4.0/</a> )
Identifier	<a href="http://inspire.ec.europa.eu/id/document/tg/metadata-iso19139/2.0.1">http://inspire.ec.europa.eu/id/document/tg/metadata-iso19139/2.0.1</a> (v.2.0.1) <a href="http://inspire.ec.europa.eu/id/document/tg/metadata-iso19139/2.1.0">http://inspire.ec.europa.eu/id/document/tg/metadata-iso19139/2.1.0</a> (this version)
Changelog	<a href="https://github.com/INSPIRE-MIF/technical-guidelines/releases/tag/2022.1">https://github.com/INSPIRE-MIF/technical-guidelines/releases/tag/2022.1</a>
Language	EN

<https://github.com/INSPIRE-MIF/technical-guidelines/blob/2022.1/metadata/metadata-iso19139/metadata-iso19139.adoc>  
<https://inspire.ec.europa.eu/id/document/tg/metadata-iso19139>

# Conversion of INSPIRE TGs in AsciiDoc

- Will **reuse** (and improve) the procedure used to convert the Metadata TG.
- Will happen as a **continuous process** with regular releases between 2022 and 2024.
- **Prioritisation** will be agreed with the JRC and the MIG-T:
  - highest priority: **horizontal TGs** (View, Download and Discovery Services)
  - lower priority: **theme-specific TGs**, prioritised according to:
    - **number of datasets** available in the INSPIRE Geoportal
    - **number of change proposals** currently available in the **GitHub issue tracker**
    - **number of change proposals** (already endorsed by the MIG) leading to amendments in the **Implementing Rules**

# Prioritisation of Conversion of INSPIRE TGs

Order	TG	GitHub change proposal	Approved IR change	Due date
1	Technical Guidance for the implementation of INSPIRE View Services	Yes - endorsed		June 2022
2	Soil	Yes - endorsed		
3	Technical Guidance for the implementation of INSPIRE Download Services	Yes		December 2022
4	Elevation	Yes	Yes	
5	Coordinate reference systems	Yes - endorsed	Yes	
6	Geographical grid systems	Yes - endorsed		
7	Land use		Yes	
8	Hydrography		Yes	
9	Environmental monitoring facilities		Yes	
10	Protected sites		Yes	
11	Technical Guidance for the implementation of INSPIRE Discovery Services			June 2023
12	Utility and governmental services		Yes	
13	Species distribution		Yes	
14	Land cover		Yes	
15	Administrative units		Yes	
16	Statistical units		Yes	
17	Orthoimagery		Yes	
18	Geology	Yes		

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			June 2024
26	Habitats and biotopes			
27	Oceanographic geographical features			
28	Sea regions			
29	Bio-geographical regions			
30	Population distribution — demography			
31	Atmospheric conditions and Meteorological geographical features			
32	Geographical names			
33	Energy resources			
34	Mineral resources			
35	Cadastral parcels			November 2024
36	Addresses			
37	Technical Guidance for the implementation of INSPIRE Download Services using Web Coverage Services (WCS)			
38	Technical Guidance for implementing download services using the OGC Sensor Observation Service and ISO 19143 Filter			
39	Technical Guidance for the INSPIRE Schema Transformation Network Service			

# INSPIRE UML GitHub repository

The screenshot shows the GitHub repository page for INSPIRE-MIF / uml-models. The repository is public and has 1 branch (main) and 0 tags. The commit history shows the following files and their last updates:

File	Commit Message	Time
approved	Update README.md	7 days ago
draft	Create README.md	7 days ago
README.md	Update README.md	6 days ago
_config.yml	Set theme jekyll-theme-cayman	14 days ago

The README.md file content is as follows:

## INSPIRE UML models

The purpose of this repository is to manage the changes to the INSPIRE UML models.

The INSPIRE UML models are available in two different versions:

- APPROVED (IR data models):** this version contains only those data models that are contained in the Implementing Rules for Annex I+II+III themes.
- DRAFT (TG extended data models):** this version combines the data models contained in the Implementing Rules and the extended data models contained in the data specification Technical Guidelines (but not in the IRs). Please note that the extended data models not included in the IRs should be considered as draft and therefore be used with caution.

For each version, different formats are available:

- HTML view of UML models:** an interactive HTML view of the complete UML data models is available. This view includes detailed definitions of spatial object types, data types, enumerations and code lists and UML class diagrams.
  - [APPROVED](#)
  - [DRAFT](#)

Deprecated UML models will be made available in release-specific branches of the GitHub UML repository (in the same way that deprecated schemas are made available in the related repository).

<https://github.com/INSPIRE-MIF/uml-models>

# Change proposals to discuss – schemas

<input type="checkbox"/>	<input checked="" type="radio"/>	PF_type_missing xlink structure for codelist attribute <span>breaking change</span> <span>for INSPIRE MIG-T</span>	1	2
		<small>#64 opened 17 days ago by Dnoack49</small>		
<input type="checkbox"/>	<input checked="" type="radio"/>	US net thermal 4.0 xsd - thermalProductType is missing gml:ReferenceType type defintion <span>breaking change</span>	1	3
		<span>for INSPIRE MIG-T</span>		
		<small>#62 opened on Feb 25 by lucvanlinden</small>		
<input type="checkbox"/>	<input checked="" type="radio"/>	TN_MaintenanceAuthority-OwnerAuthority_CI_Citation not matching <span>breaking change</span> <span>for INSPIRE MIG-T</span>	1	8
		<span>impact on IR</span> <span>impact on TG</span> <span>impact on UML</span>		
		<small>#60 opened on Feb 18 by JohannaOtt</small>		
<input type="checkbox"/>	<input checked="" type="radio"/>	Add Norwegian and Icelandic languages to the common.xsd schema <span>for INSPIRE MIG-T</span> <span>further info required</span>		3
		<span>impact on validator</span> <span>non-breaking change</span>		
		<small>#59 opened on Feb 3 by sMorrone ↗ 2022.2</small>		
<input type="checkbox"/>	<input checked="" type="radio"/>	Add SLD capabilities schema to inspire_vs.xsd schema <span>for INSPIRE MIG</span>	1	2
		<small>#51 opened on Nov 29, 2021 by petbod-lm</small>		
<input type="checkbox"/>	<input checked="" type="radio"/>	EL_endLifespanVersion has multiplicity 1 <span>for INSPIRE MIG-T</span> <span>impact on TG</span> <span>impact on UML</span> <span>non-breaking change</span>	3	1
		<small>#42 opened on Oct 10, 2021 by sMorrone ↗ 2022.2</small>		
<input type="checkbox"/>	<input checked="" type="radio"/>	MineralResources sourceReference problem <span>for INSPIRE MIG</span>	1	9
		<small>#41 opened on Oct 4, 2021 by CLinGBA ↗ 2022.2</small>		

<https://github.com/INSPIRE-MIF/application-schemas/issues?q=is%3Aissue+is%3Aopen+label%3A%22for+INSPIRE+MIG-T%22%2C%22for+INSPIRE+MIG%22>



# Change proposals to discuss – TGs

- [Update vertical CRS to improved CRS](#) for INSPIRE MIG-T impact on validator 4  
#27 opened on 24 Jan by HerzovanderWal
- [TG Download Services - Relax content-type requirement for ATOM feed resources](#) for INSPIRE MIG-T impact on validator 5  
#26 opened on 16 Dec 2021 by arbakker
- [EL - align TG with changes proposed in schema issue #42](#) for INSPIRE MIG-T impact on schemas impact on UML 1  
#25 opened on 14 Dec 2021 by sMorrone
- [TG Metadata v2.0.1 - amend TG Requirement C.15 to allow creation and revision dates](#) for INSPIRE MIG-T 2 4  
impact on validator  
#18 opened on 24 Nov 2021 by Sgaff 2022.2
- [AF - Layer and styles should be changed](#) for INSPIRE MIG-T 5  
#17 opened on 9 Nov 2021 by JohannaOtt
- [GE - Multiplicity for geophObjectSet and geophObjectMember associations is not defined](#) for INSPIRE MIG-T impact on UML impact on validator 2  
#14 opened on 6 Oct 2021 by fabiovin
- [BU - default style name not consistent with other DS](#) for INSPIRE MIG-T impact on validator 5  
#13 opened on 6 Oct 2021 by JohannaOtt
- [View Service - requirement for layer name for harmonised datasets](#) for INSPIRE MIG-T impact on validator 8  
#12 opened on 16 Sep 2021 by heidivanparys 2022.2

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

# Thank you!



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