



# MIWP Action 2.3.1: Governance of INSPIRE artefacts

**JRC INSPIRE Team**

*77<sup>th</sup> MIG-T meeting – February 23, 2024*

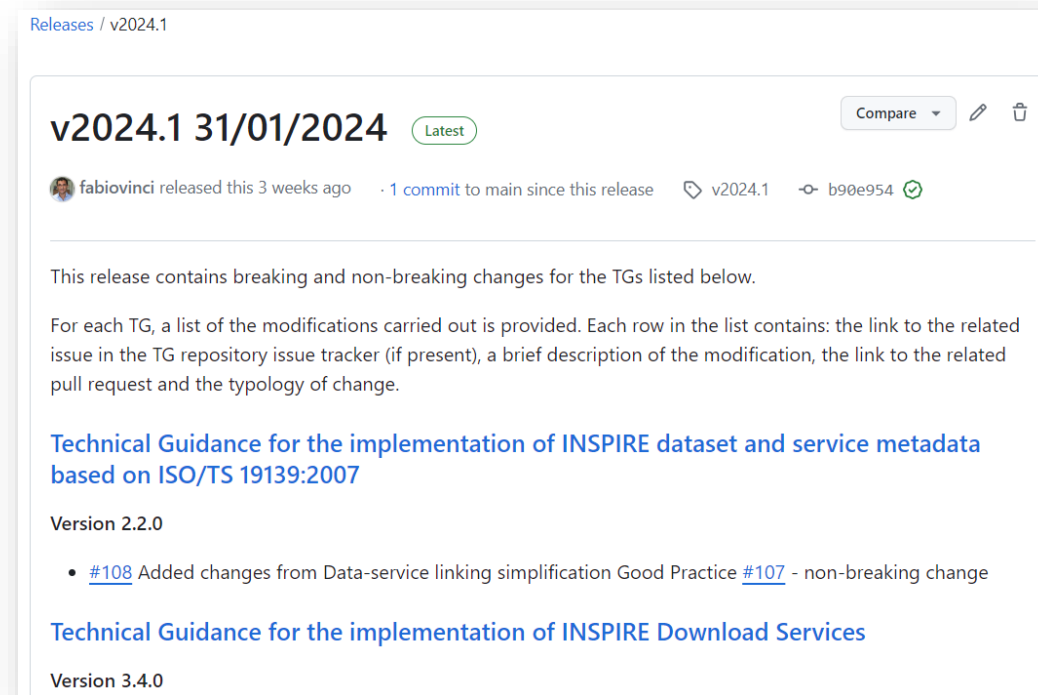
# Status update

- Latest releases (TGs, schemas, UML models)
- Next steps
- Conversion of TGs to AsciiDoc
- Next releases

# Release of INSPIRE TGs – v.2024.1

## This release includes:

- change proposals endorsed by the MIG as of 31/01/2024.
  - Including the integration of the Data Service Linking Simplification Good Practice
- changes included in the 1089/2010 amendment.
- 8 new TGs, including the related endorsed change proposals (where present):
  - Buildings
  - Agricultural and aquaculture facilities
  - Area management/restriction/regulation zones and reporting units
  - Natural risk zones
  - Transport networks
  - Human health and safety
  - Production and industrial facilities
  - Habitats and biotopes



The screenshot shows the GitHub release page for the INSPIRE TGs v2024.1. The release title is "v2024.1 31/01/2024" with a "Latest" badge. It was released by "fabiovinci" 3 weeks ago, with 1 commit to the main branch. The release description states: "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." The release includes a link to "Technical Guidance for the implementation of INSPIRE dataset and service metadata based on ISO/TS 19139:2007" (Version 2.2.0) and a list of changes: "#108 Added changes from Data-service linking simplification Good Practice #107 - non-breaking change". There is also a link to "Technical Guidance for the implementation of INSPIRE Download Services" (Version 3.4.0).

# Release of INSPIRE schemas – v.2024.1

## This release includes:

- change proposals endorsed by the MIG as of 31/01/2024.
- changes included in the 1089/2010 amendment.

### Schema versioning

Each release will be identified by a sequential number, but the versioning of the INSPIRE schemas will be managed separately.

The versioning of the INSPIRE schemas will depend on the specific type of schema update (major, minor, bugfix) and will follow rules specified below:

- a new major version (e.g. v4.x --> v5.0), which is not backwards-compatible, i.e. existing data valid according to the older schema will no longer be valid according to the newer schema. Examples for non-backwards compatible changes include e.g. adding or removing mandatory properties or changing the types or names of existing properties;
- a new minor version (e.g. v4.0.x --> v4.1), which is backwards-compatible, i.e. existing data valid according to the older schema will remain valid also according to the newer schema. Examples for backwards compatible changes include e.g. adding optional properties to existing types or adding new types;
- a new bugfix version (e.g. v4.0 --> v4.0.1), which fixes an error in the schema. Bugfix versions are usually not backwards-compatible.

## v2024.1 31/01/2024

This release contains breaking and non-breaking changes to the XML schemas.

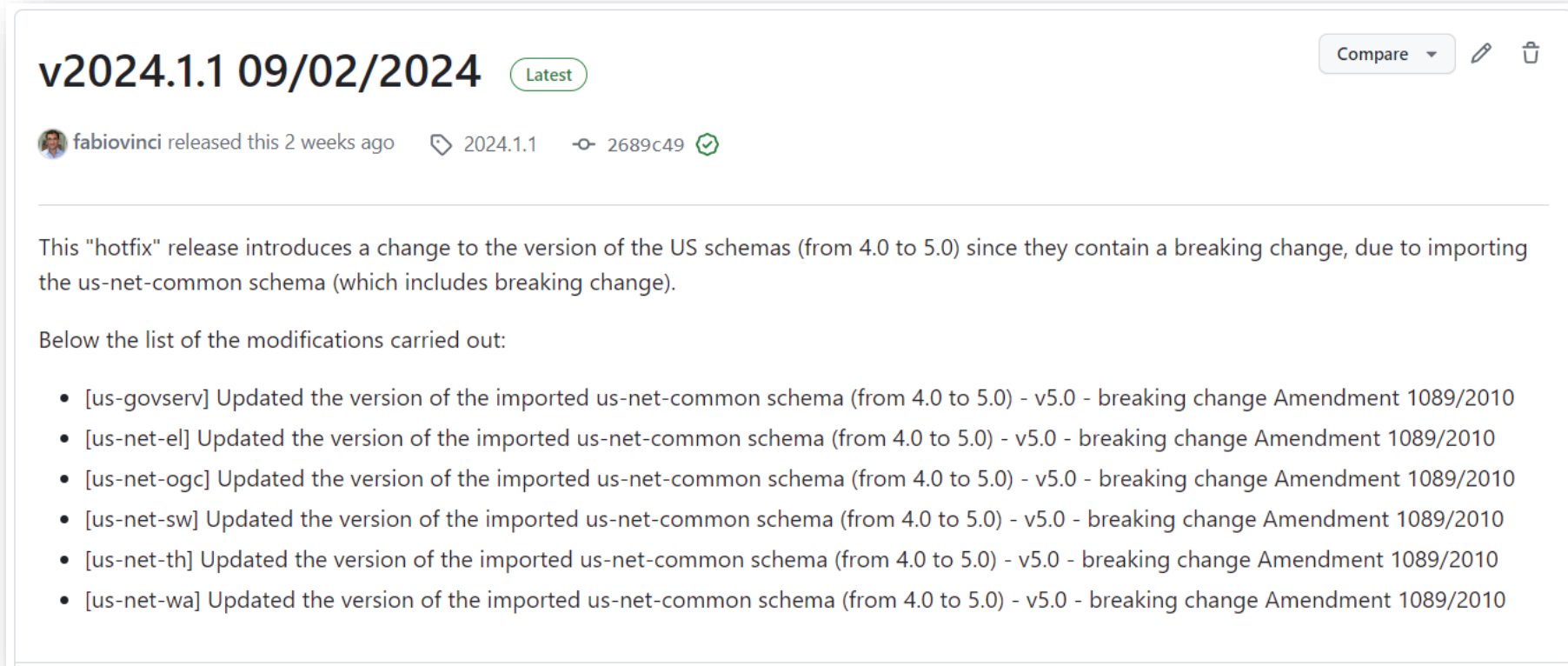
Below the list of the modifications carried out.

Each row in the below list contains: the link to the change proposal in the application schema repository issue tracker, a brief description of the modification (prefixed by relevant data theme indication where relevant), the link to the pull request, an indication of the schema version and the typology of change:

- [#6 \[hh\]](#) Added new attributes to the EnvHealthDeterminantMeasure feature type, added new feature types, and removed some data types. - [#5](#) - v5.0 - breaking change - Amendment 1089/2010
- [#13, #14 \[ps\]](#) - v5.0 - breaking change - Amendment 1089/2010
  - Fixed typo in inspireId, added a new attribute, and moved attributes to data type. - [#104](#)
  - Removed enumeration from the schema and changed the encoding of the attributes that refer to enumerations - [#110](#)
- [#83 \[us-net-common\]](#) - v5.0
  - Defined datatype for the authorityRole attribute - [#86](#) - breaking change
  - Change encoding of the attributes that refer to enumerations - [#110](#) - breaking change - Amendment 1089/2010
- [#84 \[hy-p\]](#) - v5.0 - Amendment 1089/2010
  - Changed the data type of the geometry attribute of the DrainageBasin feature type -


# Hotfix release – v.2024.1.1

- It introduces a change to the version of the US schemas (from 4.0 to 5.0) since they contain a breaking change.



The screenshot shows a GitHub release page for the tag v2024.1.1, dated 09/02/2024. The release is labeled as 'Latest' and was created by user fabiovinci two weeks ago. The commit hash is 2689c49. The release description states that this hotfix introduces a change to the version of the US schemas (from 4.0 to 5.0) due to a breaking change in the us-net-common schema. Below the description, a list of modifications is provided, all involving updates to the version of the imported us-net-common schema from 4.0 to 5.0 for various schema types (govserv, el, ogc, sw, th, wa).

v2024.1.1 09/02/2024 Latest Compare

 fabiovinci released this 2 weeks ago 🔖 2024.1.1 🔗 2689c49 ✅

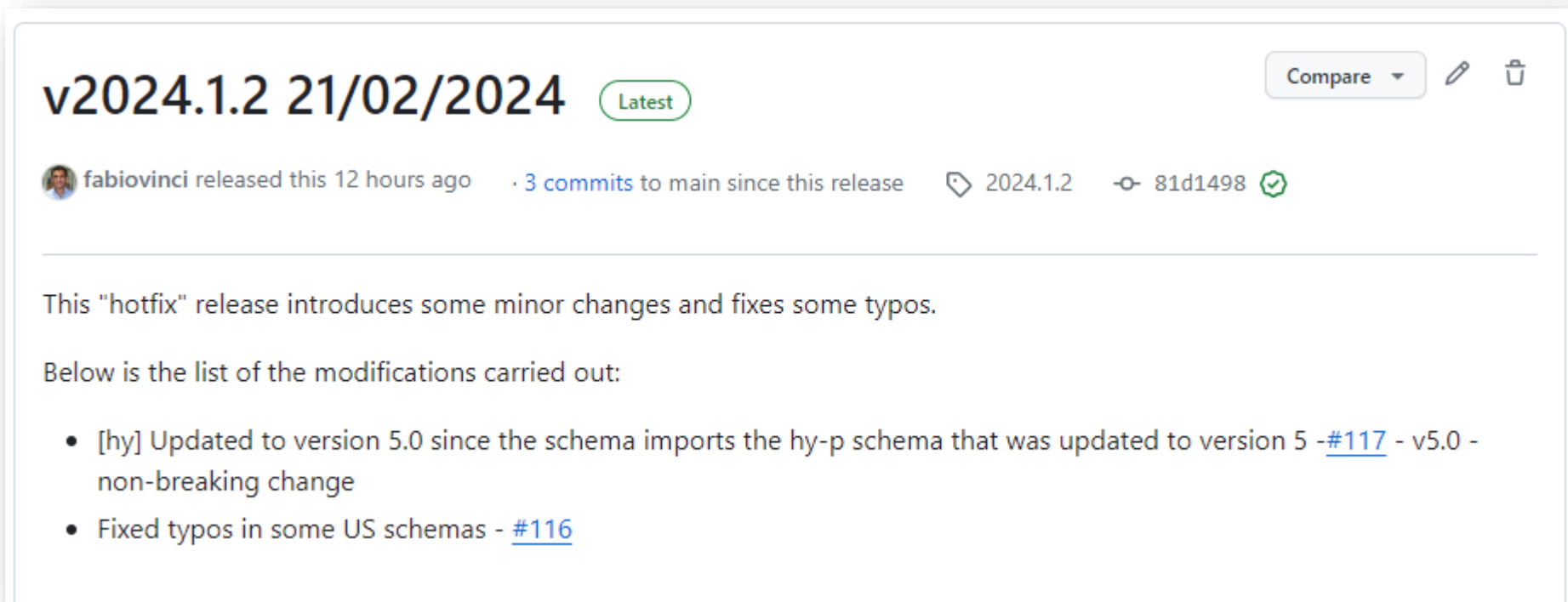
This "hotfix" release introduces a change to the version of the US schemas (from 4.0 to 5.0) since they contain a breaking change, due to importing the us-net-common schema (which includes breaking change).

Below the list of the modifications carried out:

- [us-govserv] Updated the version of the imported us-net-common schema (from 4.0 to 5.0) - v5.0 - breaking change Amendment 1089/2010
- [us-net-el] Updated the version of the imported us-net-common schema (from 4.0 to 5.0) - v5.0 - breaking change Amendment 1089/2010
- [us-net-ogc] Updated the version of the imported us-net-common schema (from 4.0 to 5.0) - v5.0 - breaking change Amendment 1089/2010
- [us-net-sw] Updated the version of the imported us-net-common schema (from 4.0 to 5.0) - v5.0 - breaking change Amendment 1089/2010
- [us-net-th] Updated the version of the imported us-net-common schema (from 4.0 to 5.0) - v5.0 - breaking change Amendment 1089/2010
- [us-net-wa] Updated the version of the imported us-net-common schema (from 4.0 to 5.0) - v5.0 - breaking change Amendment 1089/2010

# Hotfix release – v.2024.1.2

- It introduces a change to the version of the HY base schema and the fix of some typos.



The screenshot shows a GitHub release page for the tag `v2024.1.2`, dated `21/02/2024`. The release is marked as the "Latest" version. It was released by the user `fabiovinci` 12 hours ago. The release includes 3 commits to the main branch. The commit hash is `81d1498`. The release description states: "This 'hotfix' release introduces some minor changes and fixes some typos. Below is the list of the modifications carried out:" followed by two bullet points: "[hy] Updated to version 5.0 since the schema imports the hy-p schema that was updated to version 5 - [#117](#) - v5.0 - non-breaking change" and "Fixed typos in some US schemas - [#116](#)".

# Update of schema repository

- Use of a GitHub Action to automatically validate schemas after a Pull Request.

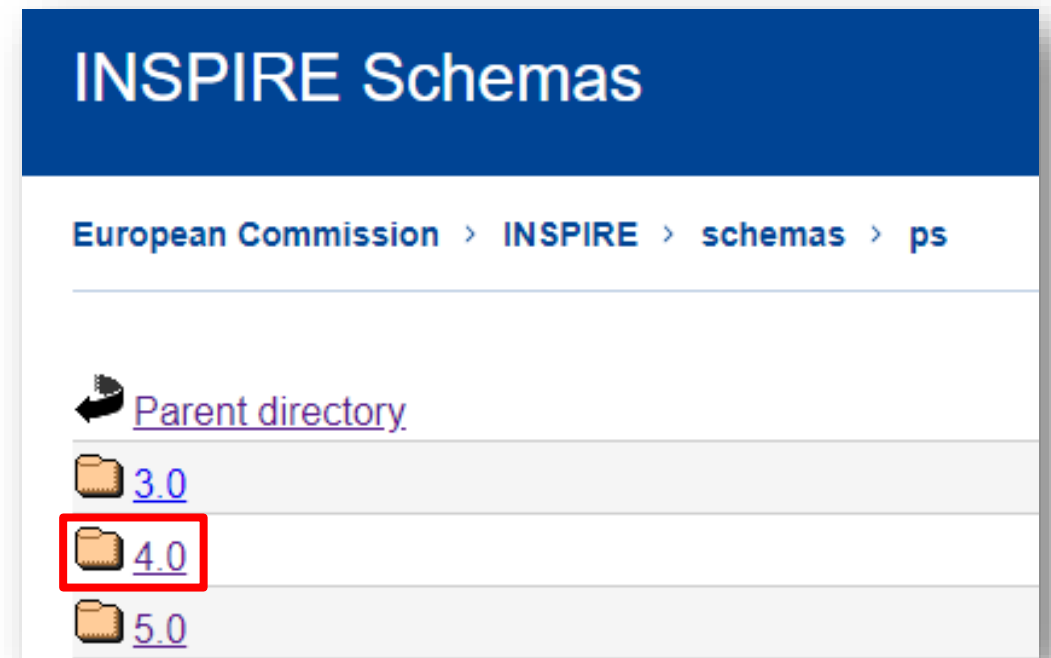
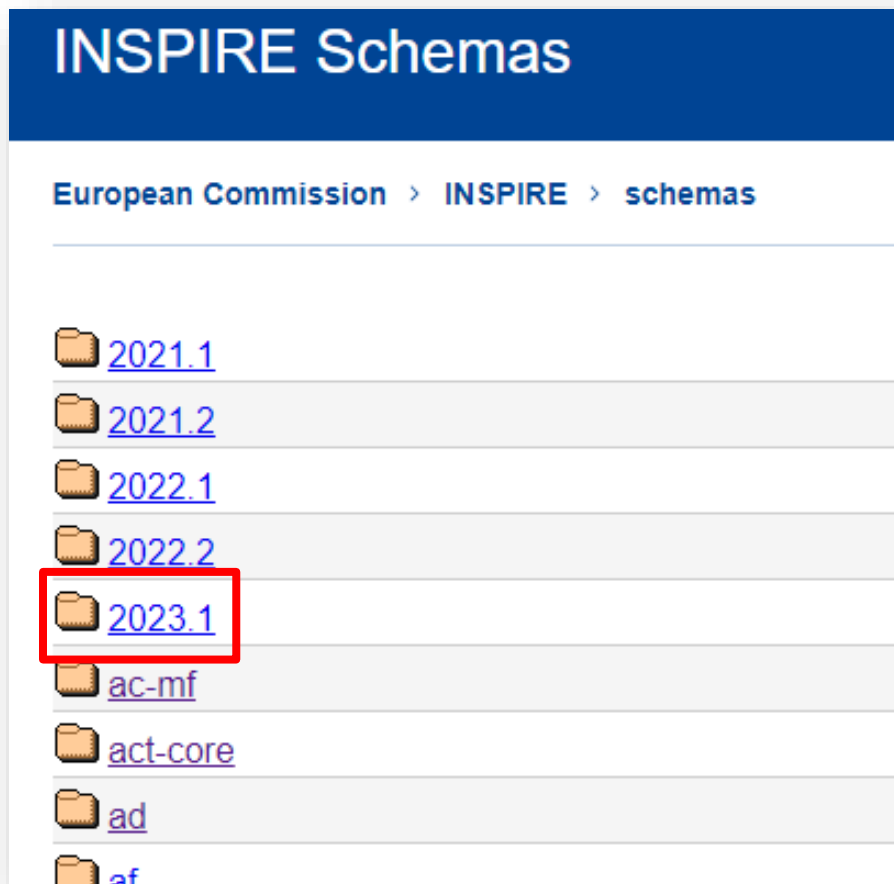
The screenshot shows a GitHub Pull Request interface. At the top, the title is "Add validation of schemas as check to Pull Requests #119". Below the title, it indicates that the pull request has been merged by "fabiovinci" 2 hours ago, merging 2 commits from the "stempler:validation-script" branch into the "INSPIRE-MIF:main" branch. A navigation bar shows "Conversation 1", "Commits 2", "Checks 0", and "Files changed 3". A comment from user "stempler" is visible, dated 5 hours ago. The comment text reads: "Maybe you find this useful - I added the script I used for validating the schema definitions as a GitHub Actions workflow that checks every Pull Request. This could help prevent similar problems finding their way into the repository again. Demonstration examples: 

- [Failing validation](#)
- [Successful validation](#)

" Below the comment are three thumbs-up reactions. The commit history at the bottom shows two commits by "stempler" added 5 hours ago: "add script for performing XML schema validation on all schema files" (commit hash 55576b7) and "ci: add workflow for validating schemas on PR" (commit hash 6cd827c).

# Release of INSPIRE schemas – v.2024.1

- Availability of old schemas






# Release of INSPIRE UML models – v.2024.1

- Inclusion of changes required by schema and/or TG change proposals

v2024.1 31/01/2024 Latest Compare

 fabiovinci released this 3 hours ago v2024.1 4280825

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This release contains 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 and a brief description of the modification (prefixed by relevant data theme indication where relevant).

- [#146](#) - [PF] Changed the definition of the ProductionInstallation feature type and defined the datatype of the "type" attribute of the ProductionInstallationPart feature type.
- [#145](#) - [EF] Added a new attribute "thematicId" to the spatial object type AbstractMonitoringObject.
- [#143](#) - [TN - Water] Removed "abstract" stereotype for the TrafficSeparationScheme feature type.
- [#142](#) - [TN - Railway] Removed the attribute "fictitious" of the RailwayLink feature type.
- [#141](#) - [TN - Air] Defined the datatype for the "controlTowers" association of the AerodromeNode feature type.
- [#138](#) - [HH] Added new attributes to the EnvHealthDeterminantMeasure feature type, added new feature types and removed some data types.
- [#137](#) - [LU] Fixed the typo in the attribute "backgroundMapURI" of the data type BackgroundMapValue.
- [#135](#) - [SU - Grid] Changed a constraint for the StatisticalGridCell feature type.
- [#134](#) - [SU - Vector] Added a new attribute "statisticalUnitType" to the VectorStatisticalUnit feature type and a new codelist "StatisticalUnitTypeValue".
- [#131](#) - [LU] Added association to the LandCoverUnit feature type.

# Changes from 1089 amendment

- Changes related to TGs that are not still available in AsciiDoc format have been already included in the related artefacts (schemas and UML).
- These changes will be included in the TGs as soon as they are converted.



The screenshot displays a list of three Jira issues. Each issue is preceded by a square checkbox and a circular icon with a dot. The first issue is 'SR - Changes from 1089 amendment [2]' with a purple 'impact on schemas' tag and a green 'impact on UML' tag. The second is 'SR - Changes from 1089 amendment [1]' with a green 'impact on UML' tag. The third is 'AD - Changes from 1089 amendment' with a purple 'impact on schemas' tag and a green 'impact on UML' tag. All issues were opened 3 weeks ago by 'fabiovinci' and are associated with version '2024.2'.

Issue ID	Issue Type	Impact	Opened	By	Version
#150	SR - Changes from 1089 amendment [2]	impact on schemas, impact on UML	3 weeks ago	fabiovinci	2024.2
#149	SR - Changes from 1089 amendment [1]	impact on UML	3 weeks ago	fabiovinci	2024.2
#140	AD - Changes from 1089 amendment	impact on schemas, impact on UML	3 weeks ago	fabiovinci	

# Next steps

- Integrate into the Validator checks related to TG changes that have an impact on it. (e.g., check on new constraints, check on new codelist).

The screenshot shows a GitHub search results page for the query: `is:issue is:closed milestone:2024.1 label:"impact on validator"`. The search results are filtered to show 12 closed issues. Each issue entry includes a checkbox, a status icon (a checkmark in a circle), the issue title, and several colored labels indicating the impact of the issue. The issues listed are:

- HH - Changes from 1089 amendment** (impact on registry, impact on schemas, impact on UML, impact on validator) - #138 by fabiovinci was closed yesterday
- SU - Grid - Changes from 1089 amendment** (impact on UML, impact on validator) - #135 by fabiovinci was closed yesterday
- SU - Vector - Changes from 1089 amendment** (impact on registry, impact on schemas, impact on UML, impact on validator) - #134 by fabiovinci was closed yesterday
- LC - Changes from 1089 amendment** (impact on schemas, impact on UML, impact on validator) - #131 by fabiovinci was closed yesterday
- HY - Changes from 1089 amendment** (impact on schemas, impact on UML, impact on validator) - #127 by fabiovinci was closed yesterday
- TG Download - Data-service linking simplification for WFS** (endorsed, impact on validator)

<https://github.com/INSPIRE-MIF/technical-guidelines/issues?q=is%3Aissue+is%3Aclosed+milestone%3A2024.1+label%3A%22impact+on+validator%22>

# Next steps

- Integrate into the Registry changes coming from the IR amendment and already included in the TGs (e.g., new codelist, new codelist definition).

Filters

Clear current search query, filters, and sorts

0 Open  3 Closed Author  Label  Project

<input type="checkbox"/>	<input checked="" type="radio"/>	HH - Changes from 1089 amendment	impact on registry	impact on schemas	impact on UML	impact on validator	#138 by fabiovinci was closed yesterday <input type="button" value="v"/> 2024.1
<input type="checkbox"/>	<input checked="" type="radio"/>	SU - Vector - Changes from 1089 amendment	impact on registry	impact on schemas	impact on UML	impact on validator	#134 by fabiovinci was closed yesterday <input type="button" value="v"/> 2024.1
<input type="checkbox"/>	<input checked="" type="radio"/>	PS - Changes from 1089 amendment	impact on registry	impact on schemas	impact on UML		#129 by fabiovinci was closed yesterday <input type="button" value="v"/> 2024.1

<https://github.com/INSPIRE-MIF/technical-guidelines/issues?q=is%3Aissue+is%3Aclosed+milestone%3A2024.1+label%3A%22impact+on+registry%22>

# Conversion of INSPIRE TGs in AsciiDoc

- Next TGs in the pipeline will be released in the *2024.2 branch* as soon as they are converted.
- These TGs will be included in the v.2024.2 release and will contain the related change proposals endorsed by the MIG before that date.

27	Oceanographic geographical features			June 2024
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			"

# Next releases

- The next releases of schemas, TGs and UML models will be v.2024.2.
- They are scheduled for July 31<sup>st</sup>, 2024.
- They will include:
  - all the change proposals endorsed by the MIG as of 31/07/2024
  - the changes from 1089 amendment for TGs not yet converted

# Thank you!



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