



MIWP Sub-group 2.3.1: Governance of INSPIRE artefacts

**Marco Minghini, Alexander Kotsev, Vlado Cetl, Lukasz Ziemba,
Fabio Vinci**

Kick-off meeting – May 27, 2021

Meeting agenda

- Welcome (JRC) | 10:00 – 10:05
- Tour de table (All) | 10:05 – 10:20
- Introduction, scope & organization of work (JRC) | 10:20 – 10:45
- Q&A, discussion (All) | 10:45 – 11:00

Tour de table

Tour de table

- **CZ:** Miroslav Fanta
- **DE:** Daniela Hogrebe, Andreas von Doemming
- **ES:** Laura Alemany, Paloma Abad
- **IT:** Carlo Cipolloni
- **PL:** Pawel Soczewski

- **Helpdesk facilitators:** Heidi Vanparys, Stefania Morrone
- **JRC:** Marco Minghini, Alexander Kotsev, Vlado Cetl, Lukasz Ziembra, Fabio Vinci

Introduction, scope & organization of work

INSPIRE MIWP 2021-2024

- Favourable political and technological context for the evolution and sustainability of INSPIRE within the Green Deal Data space and beyond
- 3 areas of work & 6 actions
 1. A digital ecosystem for the environment and sustainability
 2. Towards a common implementation landing zone
 - 2.1 Need-driven data prioritisation
 - 2.2 Roadmap for priority-driven implementation
 - 2.3 Simplification of INSPIRE implementation
 - 2.3.1 Governance of INSPIRE artefacts
 - 2.3.2 Simplification of data-service linking
 - 2.4 Central infrastructure components
 3. GreenData4All

Background & context

- Resources in SDIs/data spaces shall **evolve** over time
 - there might be bugs to be solved
 - there might be new use cases requiring changes
- **INSPIRE artefacts** are no exception!
 - UML models
 - XML schemas
 - Technical Guidance documents (TG)
- A clear **governance process** for the maintenance and update of those artefacts is needed:
 - Who can ask for changes and how? Who shall endorse changes and how? How frequently are changes made?

Temporary Sub-group for Action 2.3.1

- Issue
 - no clear governance process for the update, maintenance & evolution of INSPIRE artefacts (Technical Guidelines, XML schemas, UML models)
 - change proposals submitted through **different channels**
 - **unclear workflow** for review and endorsement
- Organisation setup
 - **lead**: JRC
 - **support by**: nominated technical experts, helpdesk facilitators, MIG, MIG-T, EC, EEA

Temporary Sub-group for Action 2.3.1

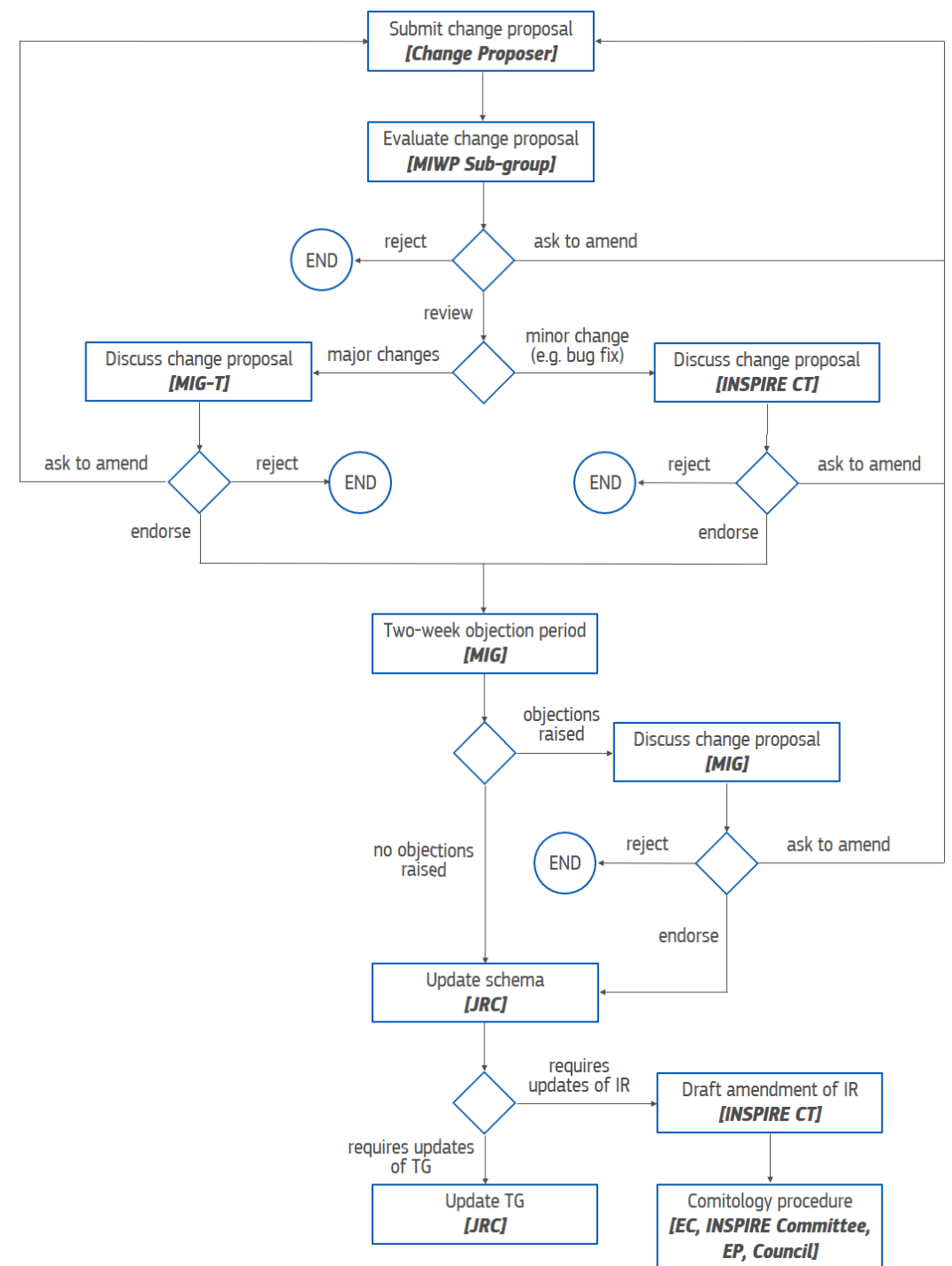
- Scope
 - contribute to **implement the governance approach** for INSPIRE artefacts, presented by the JRC during the 64th and 65th MIG-T meetings
- Tasks
 - **organise GitHub repositories** for INSPIRE artefacts
 - **evaluate** incoming **change proposals**
 - **report** to INSPIRE CT, MIG-T and MIG
 - integrate recommendations and **update the artefacts**
- Timeline
 - until December 2024 (i.e. full duration of the INSPIRE MIWP)

Governance approach

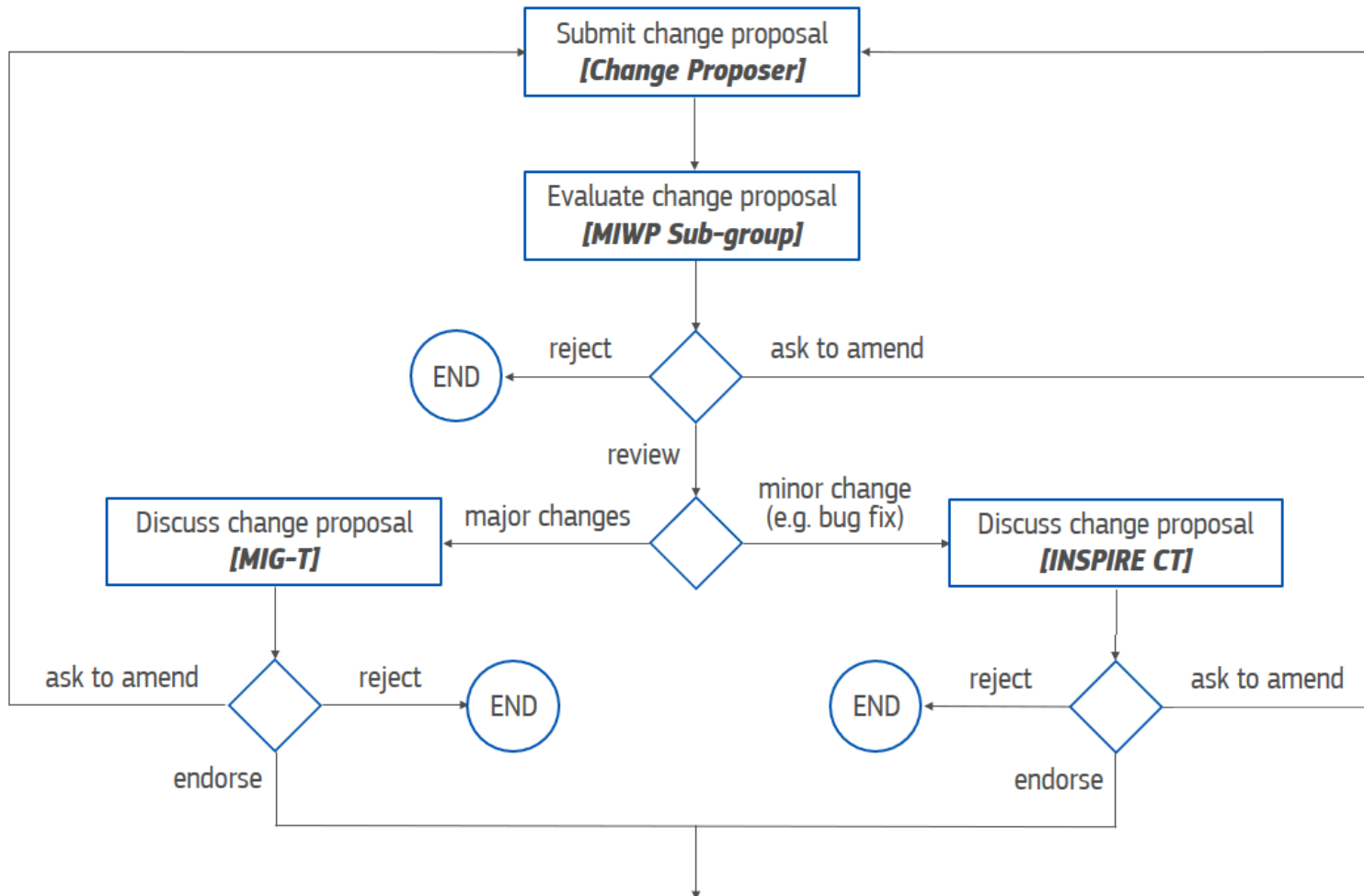
- The proposed governance approach defines:
 - all the **stages** of the process, from proposal to endorsement
 - **actors, rules, roles, responsibilities & timelines**
 - the **release plan** for the artefacts
 - the **practical tools** to be used in the process
- In the following slides, the approach is explained for **application schemas** but applies (with minor changes) to all INSPIRE artefacts.

Governance approach (for INSPIRE schemas)

- Actors involved:
 - Change Proposer
 - MIWP Sub-group
 - Helpdesk facilitators
 - INSPIRE CT
 - INSPIRE MIG-T
 - INSPIRE MIG
 - JRC
 - (EC, INSPIRE Committee, EP, Council)

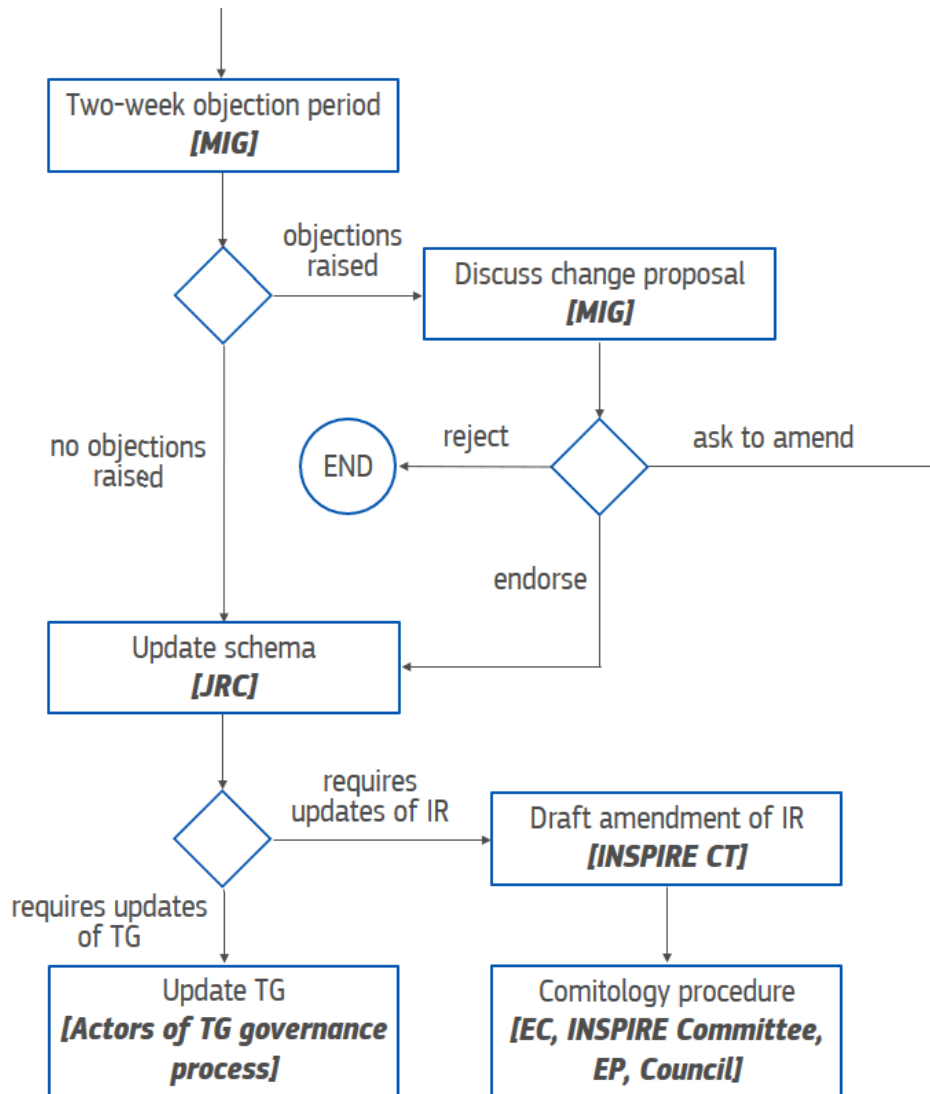


Governance approach (for INSPIRE schemas)



- **Change Proposer** submits a change proposal:
 - need for the change, description & impact
- **MIWP Sub-group** (with **Helpdesk facilitators**) evaluates change proposal:
 - check that proposal is correct, clear and detailed
 - reject, ask to amend or accept
 - pass it to the next actor: INSPIRE CT for minor changes, INSPIRE MIG-T for major changes
- **INSPIRE CT & INSPIRE MIG-T:**
 - reject, ask to amend or endorse

Governance approach (for INSPIRE schemas)



- **INSPIRE MIG** has 2 weeks to raise objections:
 - if objections are raised, discuss proposal and reject, ask to amend or endorse
 - if objections are not raised, go to next step
- **JRC** updates schema:
 - based on whether TG and/or IR also require changes
- **JRC** updates TG (based on their own governance approach)
- **INSPIRE CT** makes a draft amendment of IR
- **EC, INSPIRE Committee, EP & Council** to formalize the amendment of IR

Operationalisation of the approach – GitHub

- New repository for INSPIRE schemas: <https://github.com/INSPIRE-MIF/application-schemas>
 - README file

application-schemas

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README.md

INSPIRE XSD application schemas

The purpose of this repository is to manage the changes to the INSPIRE XSD application schemas (hereafter INSPIRE schemas).

The official location of the INSPIRE schemas — to be used within the INSPIRE resources — is, and will remain, <https://inspire.ec.europa.eu/schemas>. This repository, which is setup within [Action 2.3](#) of the [INSPIRE MIWP 2021-2024](#), is only a means to facilitate the change management process of the INSPIRE schemas.

Change proposals to the current version of the schemas can be proposed and discussed in the issue tracker of this repository. These change proposals are then subject to the specific governance and release process, whose workflow and actors involved are detailed in [this document](#).

Please follow our [Code of Conduct](#) anytime you interact with the INSPIRE community in this space.

Operationalisation of the approach – GitHub

- New repository for INSPIRE schemas: <https://github.com/INSPIRE-MIF/application-schemas>
 - application schemas (incl. draft schemas)

application-schemas

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Lukasz Ziemba Add schemas 7785820 24 days ago 🕒 History

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ac-mf	Add schemas	24 days ago
act-core	Add schemas	24 days ago
ad	Add schemas	24 days ago
af	Add schemas	24 days ago
am	Add schemas	24 days ago
au	Add schemas	24 days ago

Operationalisation of the approach – GitHub

- New repository for INSPIRE schemas: <https://github.com/INSPIRE-MIF/application-schemas>
 - document explaining:
 - [governance process](#) for INSPIRE schemas
 - [release plan](#) for INSPIRE schemas
 - how these are managed using [GitHub artefacts](#): issues, labels, pull requests, releases

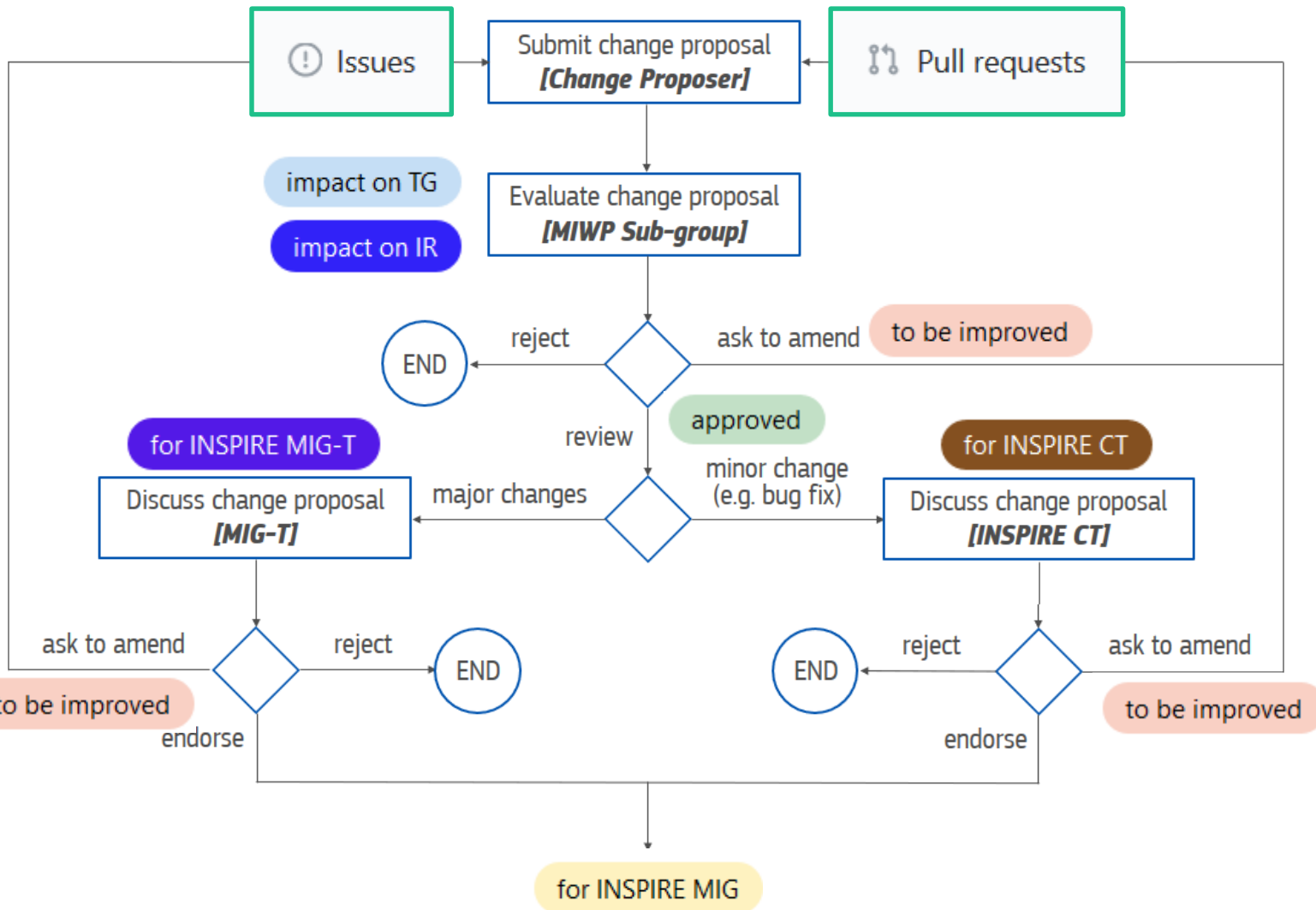
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Management of changes to the INSPIRE schemas (UML models and XSD schemas)

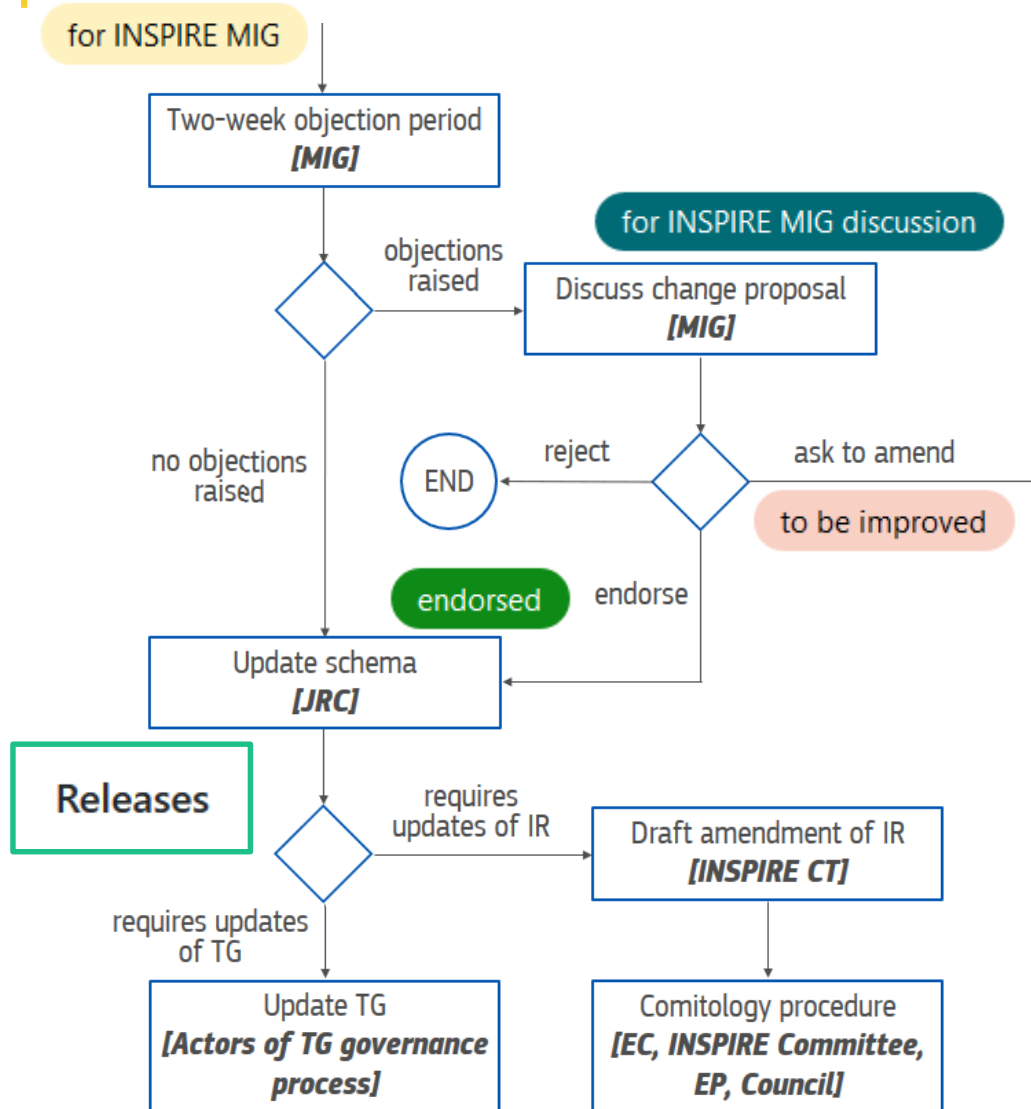
This document describes the approach to be adopted for the management of changes to the INSPIRE schemas, meant as the combination of UML models and XSD application schemas. It covers the whole process from the initial stage of change proposal up to the final stage of endorsement and change implementation into a new release. It defines actors, responsibilities and timelines for each stage of the process, and the GitHub artefacts (issues and labels) to be used in each process.

Governance approach (for INSPIRE schemas)



- **Change Proposer** submits a change proposal:
 - need for the change, description & impact
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Governance approach (for INSPIRE schemas)



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Governance approach (for INSPIRE schemas)

- New repository for INSPIRE schemas: <https://github.com/INSPIRE-MIF/application-schemas>
 - release plan

application-schemas

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Release process

The release of the endorsed changes to the INSPIRE schemas happens twice a year and it is scheduled to take place on **January 31** and **July 31**. This means that:

- all the changes endorsed by the MIG (either after the two-week scrutiny or during the MIG meeting in June) between February and July will be included in the release published on July 31;
- all the changes endorsed by the MIG (either after the two-week scrutiny or during the MIG meeting in November) between August and January will be included in the release published on January 31.

In addition to the scheduled releases, hotfix releases of the schemas, i.e. releases that fix critical bugs, might be released at any time.

All the releases, including a full changelog listing the changes made, are published (and will remain available) in the [Releases](#) page of this repository. After each release, the INSPIRE schemas at <https://inspire.ec.europa.eu/schemas> are updated accordingly.

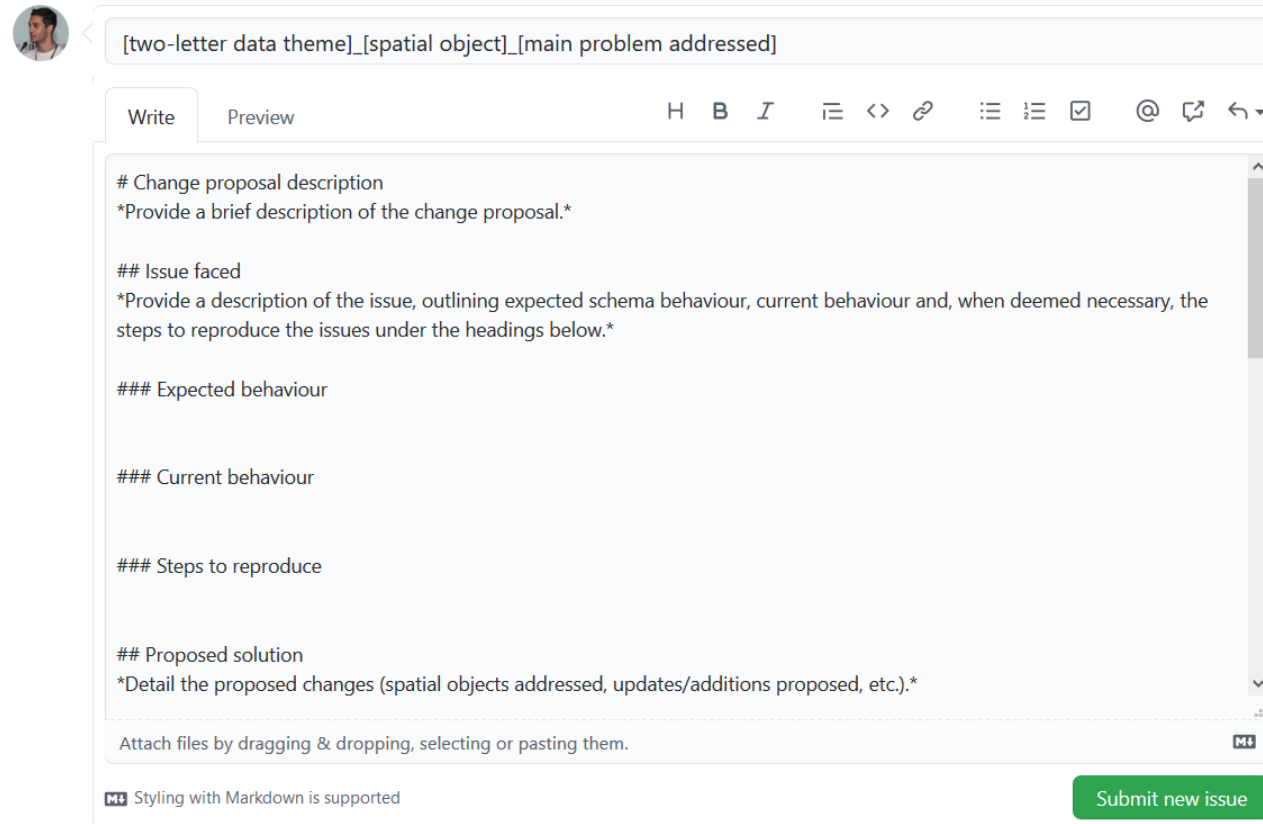
Each release will be identified by a sequential number, but the versioning of the INSPIRE schemas will be managed separately.

Governance approach (for INSPIRE schemas)

- New repository for INSPIRE schemas: <https://github.com/INSPIRE-MIF/application-schemas>
 - issue template

Issue: Change proposal

Use this template to propose a change to the application schemas. If this doesn't look right, [choose a different type](#).



[two-letter data theme]_[spatial object]_[main problem addressed]

Write Preview H B I @

Change proposal description
Provide a brief description of the change proposal.

Issue faced
Provide a description of the issue, outlining expected schema behaviour, current behaviour and, when deemed necessary, the steps to reproduce the issues under the headings below.

Expected behaviour

Current behaviour

Steps to reproduce

Proposed solution
Detail the proposed changes (spatial objects addressed, updates/additions proposed, etc.).

Attach files by dragging & dropping, selecting or pasting them.

Styling with Markdown is supported

Submit new issue

application-schemas

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Governance approach (for INSPIRE schemas)

- New repository for INSPIRE schemas: <https://github.com/INSPIRE-MIF/application-schemas>
 - already one change proposal (with a pull request)

application-schemas

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PF_riverBasinDistrict_The attribute is wrong encoded #1

🔗 Open fabiovin opened this issue on 14 Apr · 0 comments

fabiovin commented on 14 Apr • edited

Change proposal description

The attribute riverBasinDistrict should be encoded in the right way.

Issue faced

The attribute riverBasinDistrict is not encoded correctly because its multiplicity is 0..1 and the dataType is a codelist.

Proposed solution

It should be encoded in this way:

```
<xs:element name="riverBasinDistrict" type="gml:ReferenceType" minOccurs="0"
maxOccurs="1">
  <xs:annotation>
    <xs:documentation> -- Definition -- Code identifier and/or name assigned
      to the basin district of a watercourse. -- Description -- NOTE
      Information required (not registered in the Hydrography Theme)
```

<https://github.com/INSPIRE-MIF/application-schemas/issues/1>

Update ProductionAndIndustrialFacilities.xsd #2

🔗 Open fabiovin wants to merge 1 commit into INSPIRE-MIF:main from fabiovin:patch-1

Conversation 0 Commits 1 Checks 0 Files changed 1

fabiovin commented on 14 Apr

Update of the encoding for the "riverBasinDistrict" attribute.
See related issue #1

Update ProductionAndIndustrialFacilities.xsd

fabiovin mentioned this pull request 18 days ago

PF_riverBasinDistrict_The attribute is wrong encoded #1

<https://github.com/INSPIRE-MIF/application-schemas/pull/2>

Operationalisation of the approach – GitHub

- New repository for INSPIRE TG: <https://github.com/INSPIRE-MIF/technical-guidelines>
 - README file

technical-guidelines

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README.md

The purpose of this repository is host the INSPIRE Technical Guidance documents (hereafter INSPIRE TG) and manage the changes to them. This repository is setup within [Action 2.3](#) of the [INSPIRE MIWP 2021-2024](#).

The INSPIRE TG will be converted from the current pdf format to the markdown format and published in this repository. The first TG will be available soon.

A governance and release process for managing the changes to the INSPIRE TG will be made available soon, and will be similar to [the one for the INSPIRE XSD application schemas](#). Change proposals to the current version of the INSPIRE TG can be proposed and discussed in the issue tracker of this repository. These change proposals will then be subject to the specific governance and release process, once available.

Please follow our [Code of Conduct](#) anytime you interact with the INSPIRE community in this space.

Operationalisation of the approach – GitHub

- New repository for INSPIRE TG: <https://github.com/INSPIRE-MIF/technical-guidelines>

technical-guidelines

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- tests of TG conversion into formats manageable on GitHub (Markdown, AsciiDoc)


main ▾ technical-guidelines / test /

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Lukasz Ziemia Test docx conversion ff17c6f on 13 Apr 🕒 History

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📁 aspose	Test docx conversion	last month
📁 pandoc	Test docx conversion	last month

A yellow and black striped rectangular sign with the text "WORK IN PROGRESS" and a red triangular warning sign with a black silhouette of a person sitting at a desk.

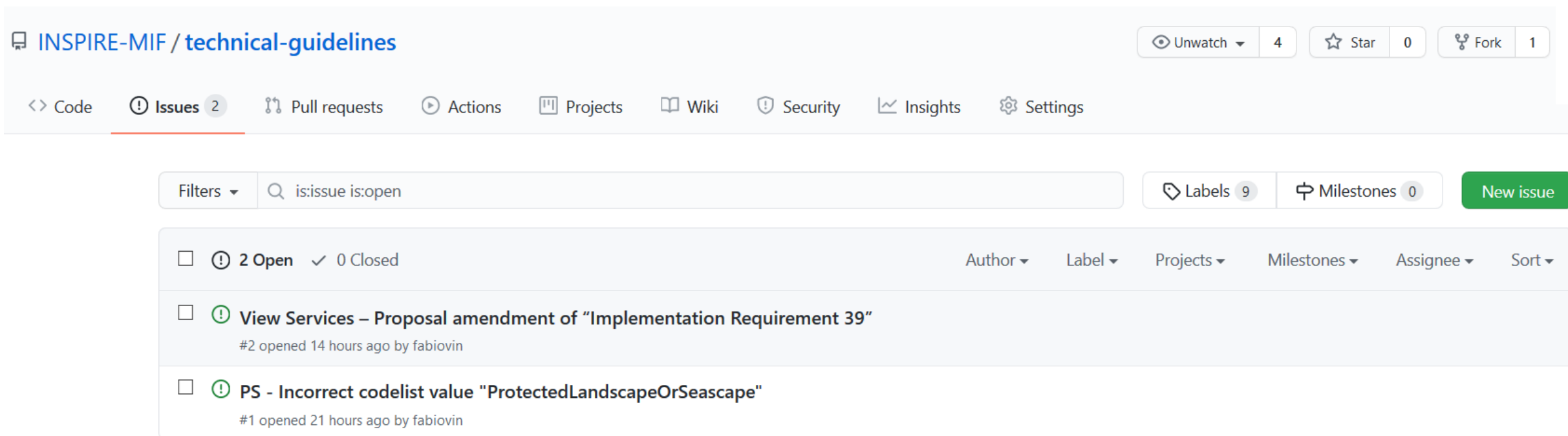
Operationalisation of the approach – GitHub

- New repository for INSPIRE TG: <https://github.com/INSPIRE-MIF/technical-guidelines>

technical-guidelines

 1  0  0  0 Updated 23 hours ago

- some first change proposals already available
 - derived from issues initially reported in the Validator/Registry helpdesk



INSPIRE-MIF / technical-guidelines

Unwatch 4 Star 0 Fork 1

<> Code **Issues 2** Pull requests Actions Projects Wiki Security Insights Settings

Filters Labels 9 Milestones 0 [New issue](#)

2 Open ✓ 0 Closed Author Label Projects Milestones Assignee Sort

View Services – Proposal amendment of “Implementation Requirement 39”
#2 opened 14 hours ago by fabiovin

PS - Incorrect codelist value “ProtectedLandscapeOrSeascape”
#1 opened 21 hours ago by fabiovin

Communication

- Communication to discuss change proposals
 - internal communication:
 - e-mail (no mailing list)
 - 4 meetings per year before the MIG-T meetings
 - next ones: July 1 at 3:00 pm (only bug fixes), September 16 at 3:00 pm (all changes)
 - ad hoc meetings when needed (e.g. to discuss complex change proposals)
 - external communication:
 - directly in the [GitHub issues](#)

Practicalities

- Tasks
 - follow the GitHub repositories for schemas and TG
 - familiarise with the GitHub artefacts/workflows used in these repositories, and propose changes/improvements if relevant
 - go through the change proposals and provide feedback directly on GitHub
 - be ready to share your view on the change proposals in the meetings
- Deliverables
 - after each of the 4 annual meetings: report summarising the change proposals to be endorsed by the INSPIRE CT and/or the INSPIRE MIG-T
 - short presentation of the change proposals at the MIG-T meetings for endorsement



Q&A, discussion

Thank you!



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