Training on Re3gistry / INSPIRE Registry

JRC INSPIRE Team & Bilbomatica

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Re3gistry Software / INSPIRE Registry

- *"Sharing meanings, connecting minds"*

Join the Re3gistry community

Installation Options

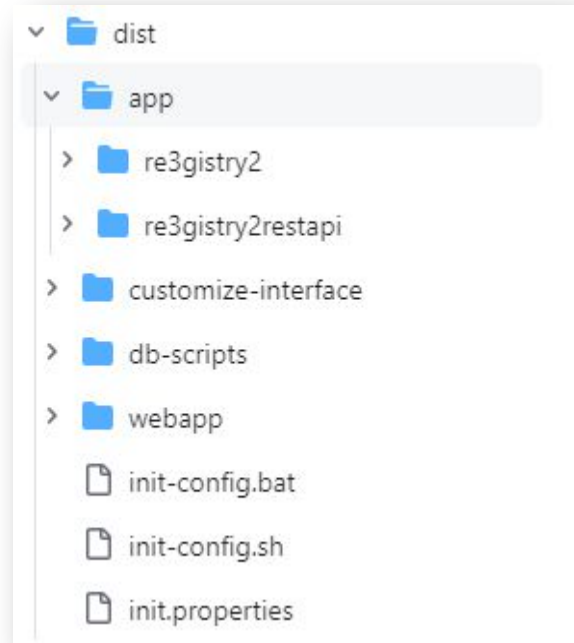- **docker** allows consistent environments and easier scaling but requires more initial setup.

	Name	Image	Status	CPU (%)	Port(s)	Last started	Actions
☐ ⌄	re3gistry2-build-helper		Running (6/6)	3.28%		1 hour ago	▪ ⋮ 🗑
☐	mailserver 5cdeba351b7a	marcopas/docker-mailslurper	Running	0%	2500:2500 Show all ports (3	1 hour ago	▪ ⋮ 🗑
☐	reg-postgres 12fdcb197f8d	postgres:10.20-alpine	Running	1.71%	5432:5432	1 hour ago	▪ ⋮ 🗑
☐	swagger-ui e02bb7036617	swaggerapi/swagger-ui	Running	0%	8082:8080	1 hour ago	▪ ⋮ 🗑
☐	reg-solr 7243578a6b82	solr:8.11.1	Running	1.34%	8983:8983 Show all ports (2	1 hour ago	▪ ⋮ 🗑
☐	reg-tomcat b05aca39133b	tomcat:7.0.109-jdk8-adoptopenjdk-hotspot	Running	0.22%	8000:8000 Show all ports (4	1 hour ago	▪ ⋮ 🗑
☐	reg-httpd d2ffe06da105	httpd:2.4.53-alpine	Running	0.01%	80:80	1 hour ago	▪ ⋮ 🗑

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Installation Options

- Provides an easier setup and fastest deployment.

Git hub

https://github.com/ec-jrc/re3gistry/tree/master/dist/app

Installation Options

- **OsGeo Live** is a Linux based distribution ready to deploy multiple open source applications. You can try and deploy a Re3gistry instance easily.

Migration

The Re3gistry software allows to easily migrate your data from previous versions. You just need the new and the old database and automatically all the items will be updated to the new version.

Re3gistry installation wizard

🏠 Welcome
👥 Registry manager
✔ Installation type
⚙️ **Set up**
☰ Summary

Migration

To migrate your existing Re3gistry content to the newer version of the software, please, enter the details of the database where you are currently storing the Re3gistry content.

Address		✱
Port		✱
Name		✱
Username		✱
Password		✱

🗓 Save and continue

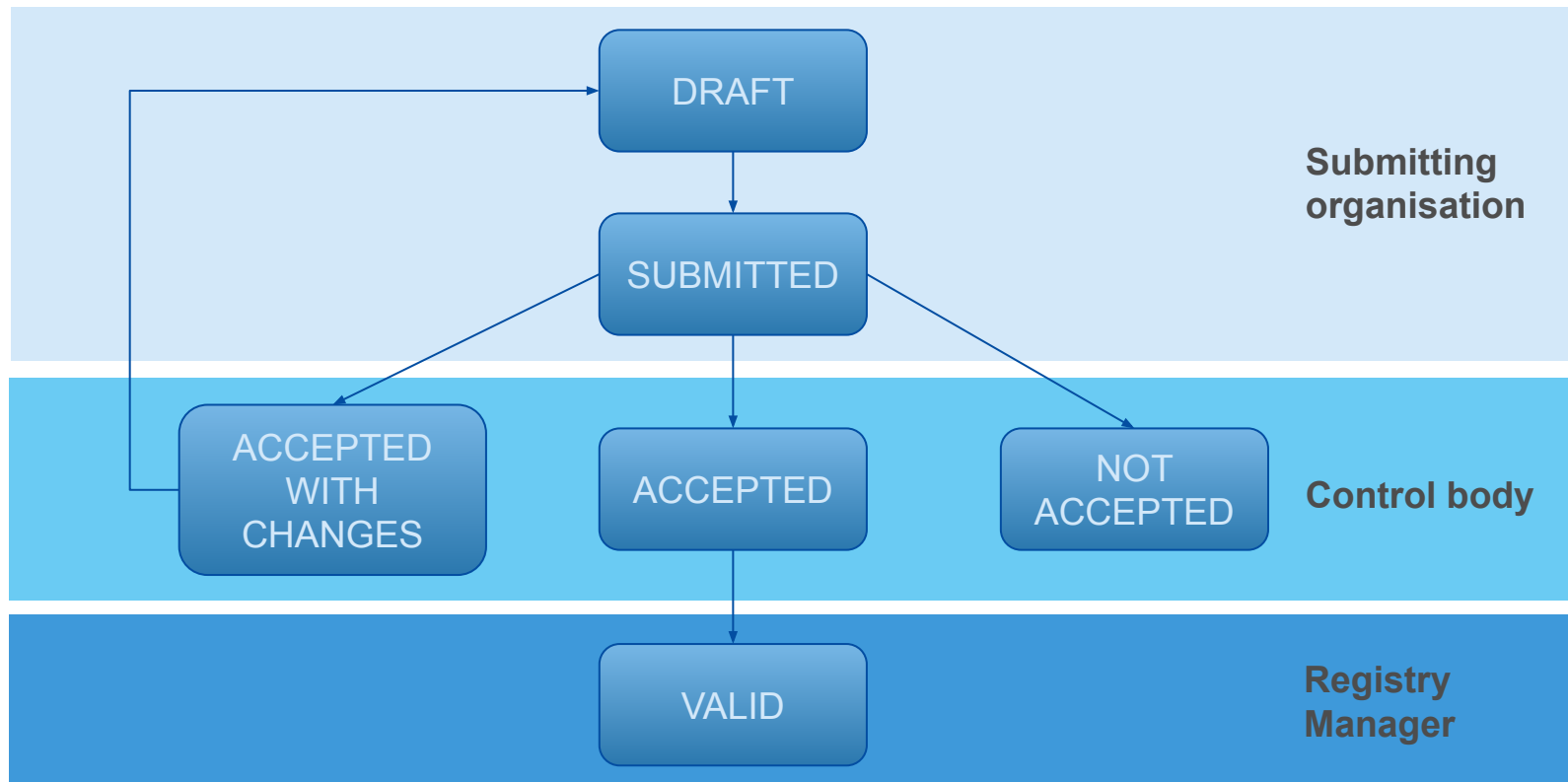European Commission

Getting started with the Re3gistry
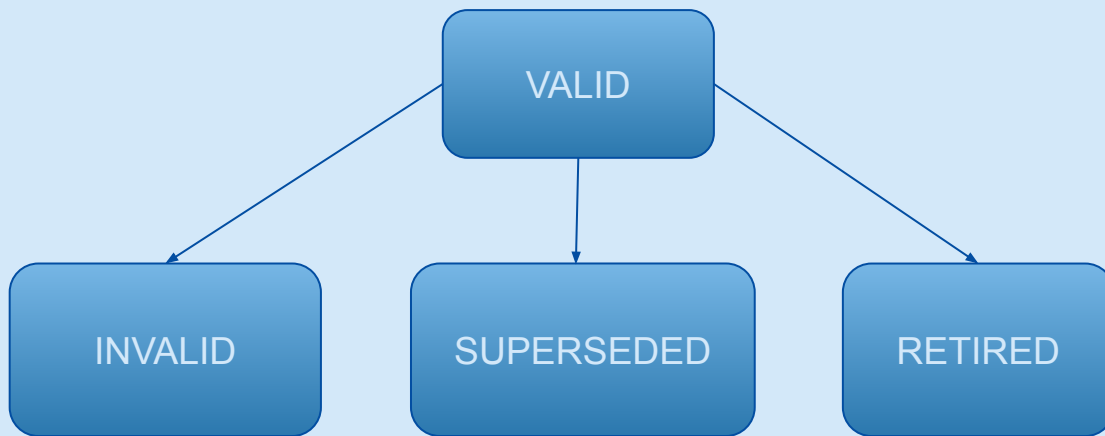
Installation and Migration process

Workflow status (based on the ISO 19135 Standard)

Workflow status (based on the ISO 19135 Standard)

- **INVALID**: If it is considered an **error** on a "valid" reference code. Generally, it is replaced by a new "valid" reference code (successor).
- **SUPERSEDED**:The reference code has been **replaced** by a new or a different "valid" reference code (successor)
- **RETIRED**: When a reference code is **no longer recommended for use** and its replacement is not planned

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Data governance

Item status values

Re3gistry

Q&A SESSION

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Coffee break 15'

Simplified workflow

- The purpose of this functionality is to make the use of the Re3gistry more flexible and applicable in other areas.

- It is possible to select the option Simplified workflow in the Re3gistry Software installation.

Simplified workflow

- It allows you to publish directly without having to go through each of the steps and statuses established when making a change proposal.

- Therefore, you would not need a **Submitting Organisation** to make the change nor the approval of the **Control Body**.

- It is centralised in a single user

- This option is available since v2.4.0 version

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Specific Re3gistry features

Simplified workflow

Re3gistry

Users and groups

- Depending on the user's role (the group they belong to), the tabs displayed in the menu bar change:

Registry Manager

Register Manager

Register Submitter

Control Body

Registry manager features

- The **Registry manager**, has the highest privileges in the system and can perform different tasks:

  - Make any action and publications on the reference codes.

  - Manage the structural elements of the system.

  - Manage both users and groups

  - Manage data export (cache)

Registry manager - Users and groups

- When an instance is installed from scratch, the possible user roles that the Re3gistry creates by default are:

  - Registry manager

  - Register owner

  - Register manager

  - Control body

  - Submitting organisations

- The system is highly flexible in managing the roles:

  - The user is assigned to one or more groups.

  - One group can be associated to one or more registers

Registry manager - Users and groups

- The Re3gistry creates default groups during installation, but custom groups can also be created. The Registry Manager is responsible for creating new groups:

Registry manager - Users and groups

- New users can be created by the Registry Manager.

- When created, users are assigned to an existing group.

- To enhance security protocols:
  - An email containing activation and deletion link of the account is sending.
  - The email will also include a temporary password that must be changed before logging in for the first time.

Registry manager - Data export

- The Data export subtab allows the registry manager to run a complete SOLR index and a complete CACHE of the items presented in the system.

  - **Solr**: This option helps to easily run a full export of the registry data to the Solr index on the published items.

  - **Button "Cache all"**: This option helps to run a full cache of the active languages of the system.

  - **Button "Cache all - Selected languages"**: This option helps to run a full cache on the languages you select in the widget among the existing ones. This option is available since v2.5.3 version

  - **Button "Remove cache"**: This option helps to remove the index of all the cache items.
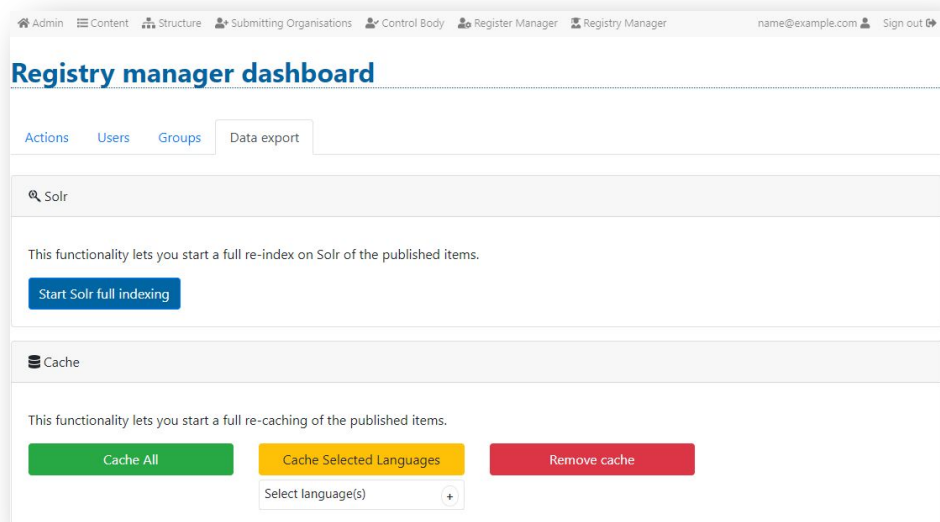
Structure

- The structure tab gives the user access to the **management of the data model** for each entity in the registry system by graphically **adding** and **managing** the **fields.**

- The main page of the structure tab contains the list of **content classes** available in the system.

- A content class is **automatically** created every time that a new register is created or added in the **content** tab.

Structure

Manage the content

- To make modifications in **management of the data model** , you can use the icons displayed in the actions column.

- View/Manage fields

- Edit

- Delete

Actions

Procedure order *	Local ID	Type	Parent	Base URI	Creation date	Actions
0	registry	registry		http://host.docker.internal	Fri May 03 09:12:25 GMT 2024	
1	exampleRegister	register	registry	http://host.docker.internal	Tue May 07 10:59:47 GMT 2024	
2	exampleRegister-item	item	exampleRegister		Tue May 07 10:59:47 GMT 2024	

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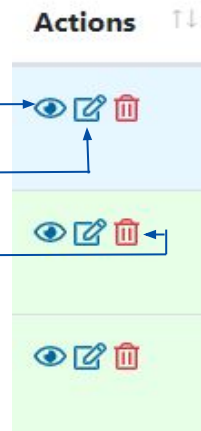
Structure
Structure dashboard

- In the structure dashboard, various aspects can be configured:

  - Field display order.

  - Establish hyperlinks for fields

  - Determinate field visibility in the public interface

  - Enable multivalued selections

  - Set fields as required

  - Displaying fields in the available items table on the content page.

Advanced editing
Bulk Import/Bulk edit

• Bulk import and bulk edit is a feature to allow users to **insert** and **make modifications** to **multiple items at the same time**. This option is available since v2.5.2 version
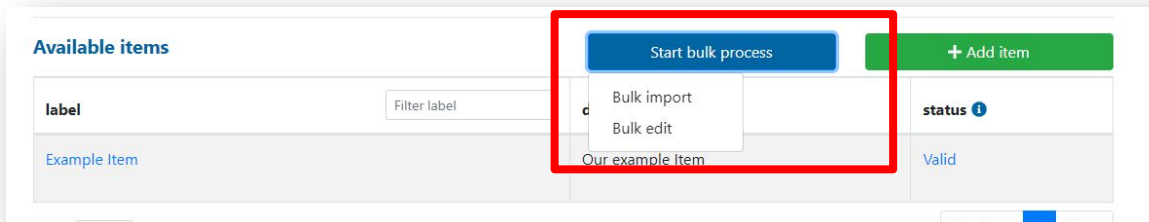
• To initiate a bulk edit or import, begin by uploading a .csv file containing the specific fields you wish to modify. Upon clicking the bulk import/edit button, a pop-up will appear, providing the option to download a template.
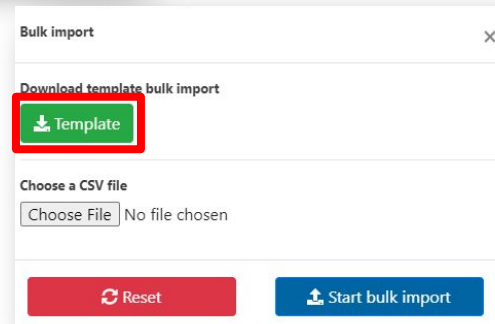
Advanced editing
Bulk Import

- To perform a bulk import, you need to fill in **all the fields** listed in the template. The fields in the template are separated by pipes (|) . It is crucial to maintain the same structure.

```
LocalID|Language|label|definition
item1|en| Item 1 example | This a example of an bulk import for item 1
item2|en| Item 2 example | This a example of an bulk import for item 2
```

→ **Template**

→ **Information of the items to import**

- When the process is complete, a congratulations message will be displayed, and the proposed items will appear in the table at the bottom.

New items proposed

label	definition	status
Item 1 example	This a example of an bulk import for item 1	Draft
Item 2 example	This a example of an bulk import for item 2	Draft

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Advanced editing

Bulk edit

- To perform a bulk edit, it is mandatory to enter the item's ID an the language. Fields that remain unchanged should be left blank.

Template

Information of the item to edit

- If we navigate to the 'Admin' tab, we can observe that the item has been edited.

Available formats

- XML Registry: A Registry specific XML format
- XML ISO 19135: Geographic ReGister XML
- RDF/XML: Is a syntax, defined by the W3C, to express (i.e. serialize) an RDF graph as an XML document.
- JSON: Is a text format that is completely language independent
- CSV: A CSV (comma-separated values) file is a text file that has a specific format which allows data to be saved in a table structured format.
- ATOM: The Atom Syndication Format is an XML language used for web feeds
- ROR: An INSPIRE specific format meant to share items through INSPIRE applications

API Swagger

- The API Swagger brings a easy to understand explanation for the API of the Re3gistry2

- Just one endpoint is needed to bring all needed data to the frontend

- This makes the frontend fully customizable

Re3gistry software in Github

- The Re3gistry software code is exposed on a github repository https://github.com/ec-jrc/re3gistry

- As a reusable open-source software, contributions are welcome as explained in the contribution section. https://github.com/ec-jrc/re3gistry/blob/master/contribution.md
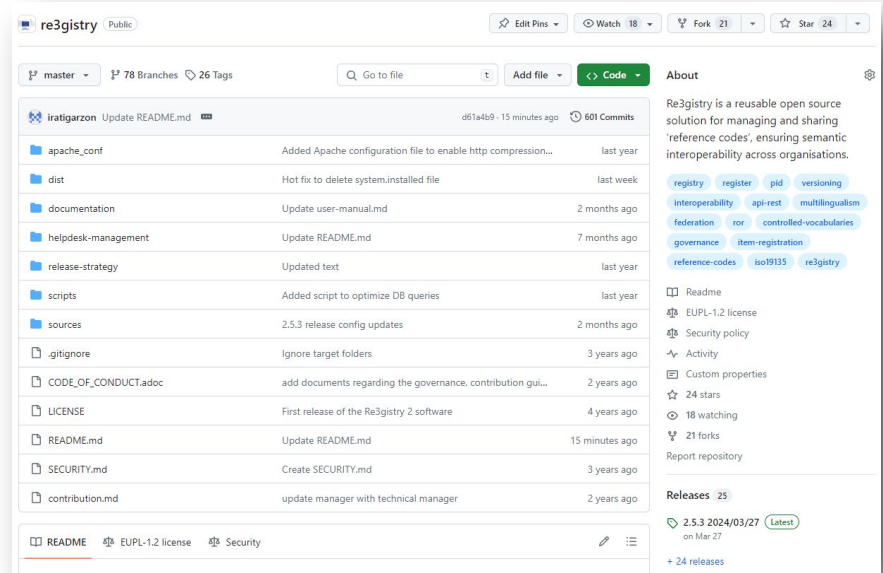
Re3gistry software in Github

- A documentation is available, focusing on the different user profiles that the tool can have (administrator, developer, user)
  This is updated in each of the versions

- For bug reporting, a helpdesk is available.
  https://github.com/ec-jrc/re3gistry/issues
  Proposals and improvements are also welcome
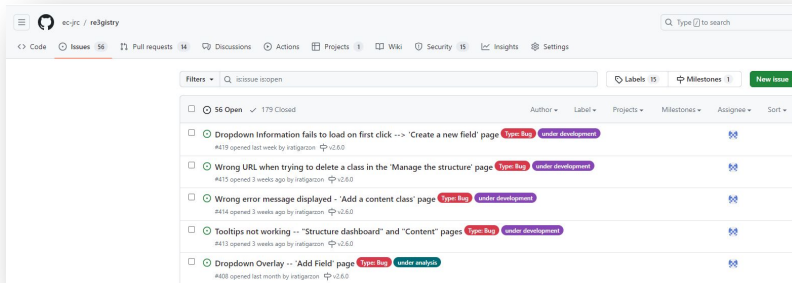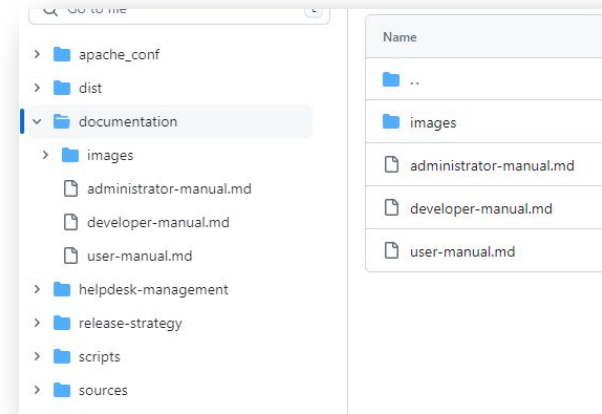
Re3gistry Software Github - Change log

- You can view the different versions available
  https://github.com/ec-jrc/re3gistry/releases

Latest release

- ### March 2024 (v2.5.3)
- https://github.com/ec-jrc/re3gistry/releases/tag/v2.5.3
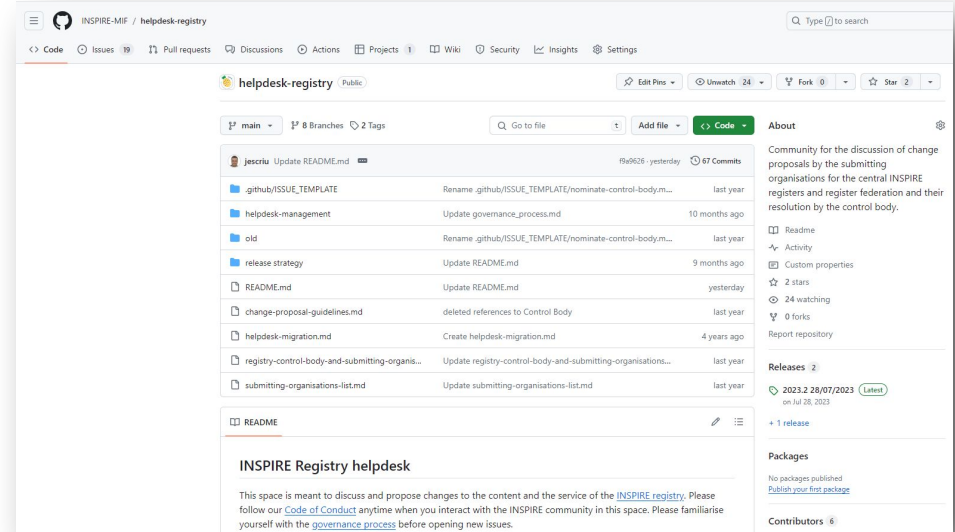
Next release

- A new release is scheduled for the end of **June** tha will be a major release v2.6.0
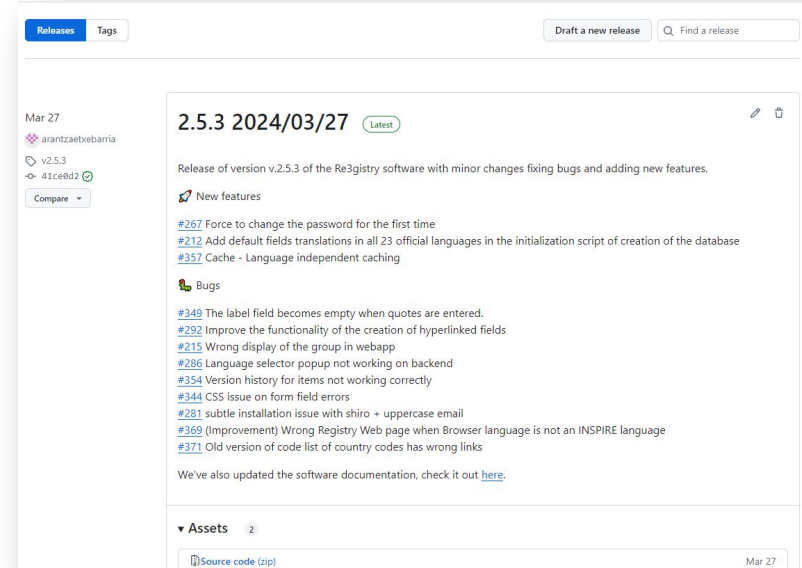
INSPIRE Registry Github

- The INSPIRE Registry **repository** available here: https://github.com/INSPIRE-MIF/helpdesk-registry

- The **helpdesk** is an space to discuss and propose changes to the content of the INSPIRE registry https://github.com/INSPIRE-MIF/helpdesk-registry/issues

INSPIRE Registry Github - Change log

Latest release
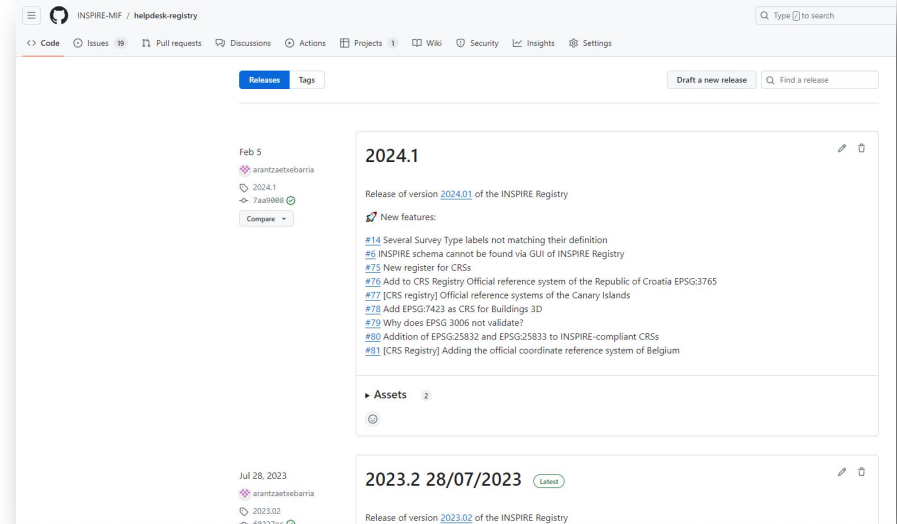
- ### 2024.01

  https://github.com/INSPIRE-MIF/helpdesk-registry/releases

Next releases

- 2024.1b - Intermediate release to Carry out pending changes derived from the amendment of Commission Regulation (EU) No 1089/2010)
- A new release is scheduled for the end of **July** 2024.2

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Thank you

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