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Easily sharing reference data with Re3gistry

▶ **ENDORSE**

THE EUROPEAN DATA CONFERENCE ON REFERENCE DATA AND SEMANTICS

About Re3gistry

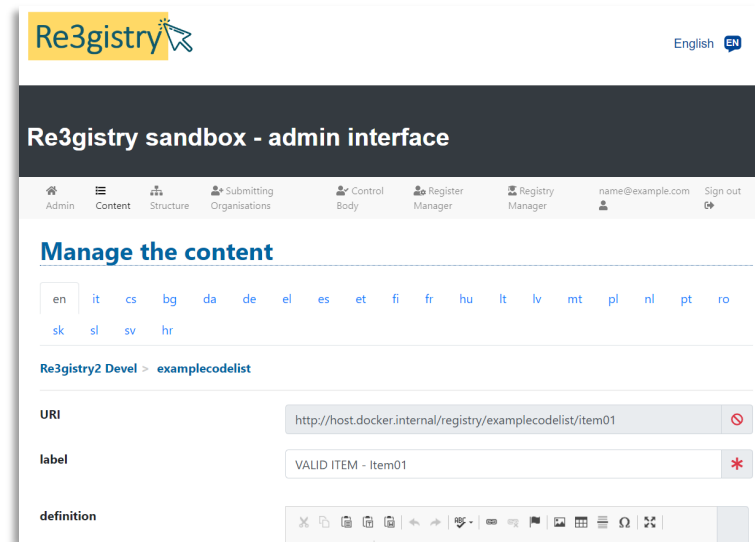
The Re3gistry software is a reusable open-source solution

- “container” of reference codes
- Allows the sharing and management of these reference codes
- Manage their change over time (versioning).

About Re3gistry

The Re3gistry :

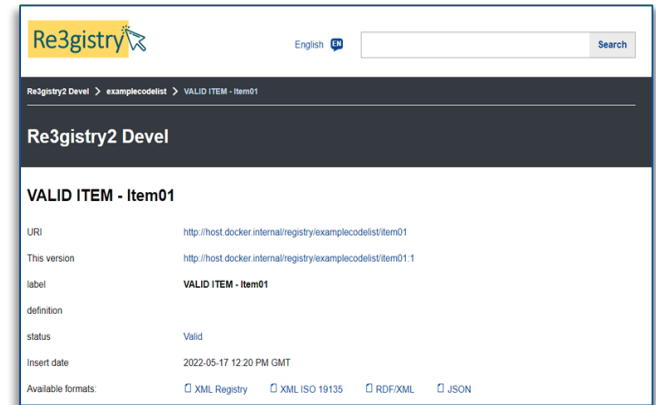
- Provides a central access point
- Labels and reference code descriptions can be easily browsed by humans.
- Also can be retrieved by machines through its REST API



About Re3gistry

Version 2.0 introduced key features:

- An interactive management interface
- Multi-lingual content support
- Free-text search
- Multiple authentication options
- Web-app to access the reference codes



Frontend

What is the Re3gistry useful for?

- **Avoid common mistakes**
synonyms, misspellings
- **Facilitate the internationalisation**
multilingual labels
- **Ensure semantic interoperability**
exchanging data between systems and applications
- **Increase the value of references codes**
widely reused and referenced



Background

2013

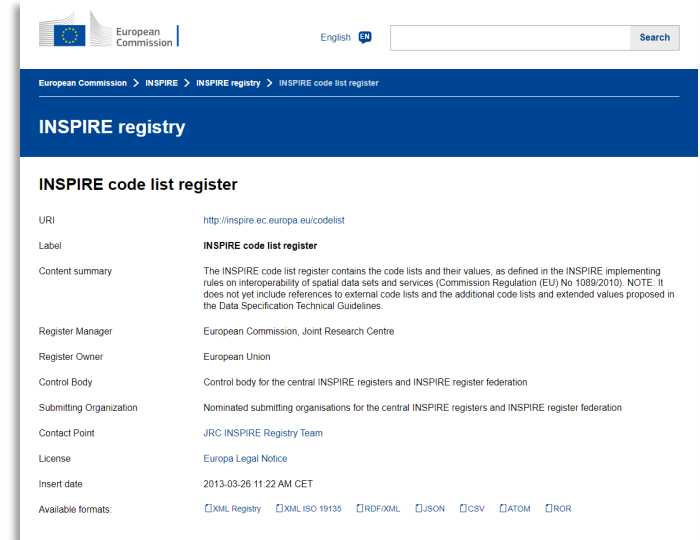
- The European Commission's Joint Research Centre (JRC) started the development of the Re3gistry.

2020

- Given its high **reusability potential**, it was decided to be released as a generic open-source project.

Who is using Re3gistry?

- **European Commission:**
 - The **INSPIRE Registry** is currently the original implementation of the Re3gistry software.
- **Publications Office of the European Union**
 - Analysing/considering using the Re3gistry for the publication of Corporate Reference Data Sets.
- Different **EU-funded projects** and **private** organisations outside Europe.



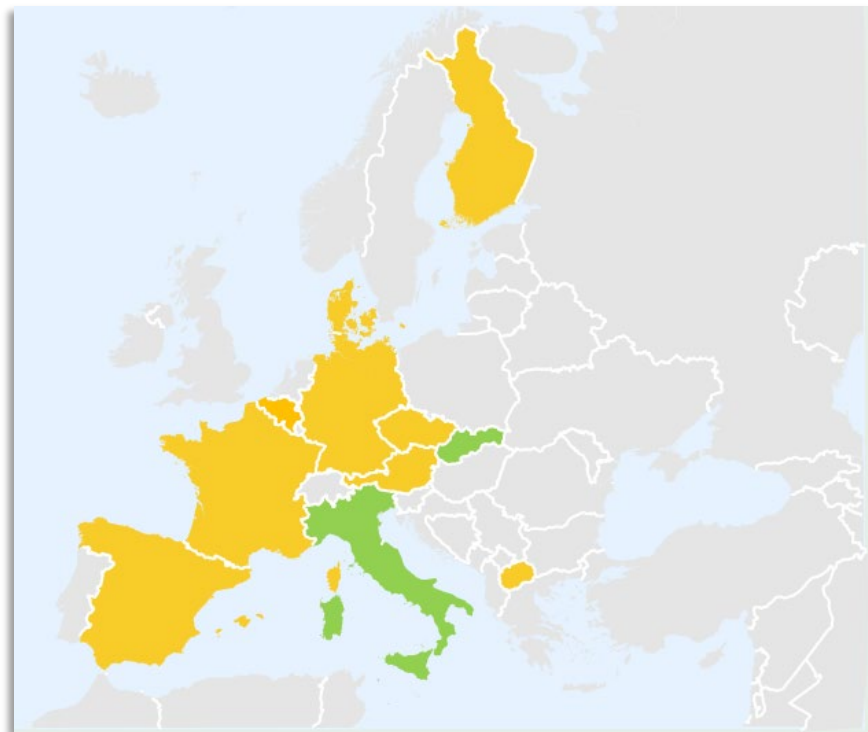
The screenshot shows the 'INSPIRE code list register' page. At the top, there is a navigation bar with the European Commission logo, the text 'European Commission', a language selector set to 'English', and a search box. Below this is a breadcrumb trail: 'European Commission > INSPIRE > INSPIRE registry > INSPIRE code list register'. The main heading is 'INSPIRE registry' in a dark blue bar. Below that, the specific page title is 'INSPIRE code list register'. The page content is organized into a table-like structure with labels on the left and values on the right:

URI	http://inspire.ec.europa.eu/code/elist
Label	INSPIRE code list register
Content summary	The INSPIRE code list register contains the code lists and their values, as defined in the INSPIRE implementing rules on interoperability of spatial data sets and services (Commission Regulation (EU) No 1089/2010). NOTE: It does not yet include references to external code lists and the additional code lists and extended values proposed in the Data Specification Technical Guidelines.
Register Manager	European Commission, Joint Research Centre
Register Owner	European Union
Control Body	Control body for the central INSPIRE registers and INSPIRE register federation
Submitting Organization	Nominated submitting organisations for the central INSPIRE registers and INSPIRE register federation
Contact Point	JRC INSPIRE Registry Team
License	Europa Legal Notice
Insert date	2013-03-26 11:22 AM CET
Available formats:	<input type="checkbox"/> XML Registry <input type="checkbox"/> XML ISO 19135 <input type="checkbox"/> RDF/XML <input type="checkbox"/> JSON <input type="checkbox"/> CSV <input type="checkbox"/> ATOM <input type="checkbox"/> ROR

Who is using Re3gistry?

- European national agencies in the **Member States & EFTA countries**

Italy, Austria, Spain, France,
Denmark, Finland, Germany,
Czechia, Slovakia, North Macedonia,
Belgium



Key features

- **Multi-lingual support.**
- **Several formats** (JSON, XML, RDF, etc.) –extensible.
- **Ready-to-use** & customisable public user interface
- Simple management of users and groups.
- Simplified workflow (one single role)
- Search for items with specific status
- **Open-API**
- RSS feed
- Docker installation

Next updates

- Latest release v2.4.1 offered in GitHub and joinup
- Currently working on
 - v2.4.2 (minor) March 2023
 - v2.5.0 (major) June 2023



The screenshot shows the Re3gistry v2.4.1 release page on the joinup platform. The page header includes the Re3gistry logo, a navigation menu with 'Aa', '≡', and 'Zz' icons, and a sidebar with 'ABE3NA Downloads: 54 Topic: Geospatial'. The main content area features a blue header with 'YOU'RE A MEMBER' and 'DOWNLOAD RELEASES' buttons. The release title is 'Re3gistry v2.4.1 release 10/01/2023 v2.4.1' with a 'Latest release' badge and '4 weeks ago' timestamp. The release description states: 'Release of version v.2.4.1 of the Re3gistry software with minor changes fixing bugs and adding new features.' It lists 'New features' and 'Bugs' with their respective issue numbers and descriptions.

Re3gistry

ABE3NA Downloads: 54 Topic: Geospatial

YOU'RE A MEMBER DOWNLOAD RELEASES

Re3gistry v2.4.1 release 10/01/2023 v2.4.1 Latest release

4 weeks ago

Release of version v.2.4.1 of the Re3gistry software with minor changes fixing bugs and adding new features.

New features

- #233/#234 Update the default error message in the frontend

Bugs

- #56 Error in migration assistant: "invalidate: Session already invalidated"
- #70 Shiro authentication issue after a wrong login
- #75 Possible bug: regitemProposedToRegitem method
- #147 Missing register in landing page of registry
- #194 Field type Date error before saving item
- #200/#238 Language wrong when browser language is not available
- #202 Save user roles
- #218 Upgrade from re3gistry 1.3.1 to 2.3.1 fails
- #235 AvailableFormatsUtil not containing all formats
- #236 Atom format content type is set to "text/xml"
- #240 CORS error
- #241 Unexpected output when negotiating contents to be returned from the INSPIRE Media Subtype code list



Thanks!

Where to find **Re3gistry**

- Code repository & release strategy
GitHub <https://github.com/ec-jrc/re3gistry>
- Last news and events?

JoinUp <https://joinup.ec.europa.eu/collection/are3na/solution/re3gistry>



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