

Re3gistry

Your interoperable open source tool for managing and sharing reference codes

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Agenda & speakers



- Introduction to the Re³gistry
Jordi Escriu (Joint Research Centre)



- Project & Community engagement
Juan Martin Pelegrina (Bilbomática)



- Architecture and functionalities
- Where to find it?
- Who is using it? - Versions and features
- Release plan
- How to contribute?
- Future plans and conclusions





Re3gistry

Introduction

Registers and reference codes

- A register is a "container" of **reference codes**:
 - Identify «lists of things» : *code list*, enumerations, taxonomies, controlled vocabularies, etc.
 - Manage their change over time (versioning).
- Usage of a registry (system of registers) helps to:
 - **avoid common mistakes** (such as entering synonyms) or misspellings when filling out online forms.
 - **facilitate the internationalisation** of user interfaces by providing multilingual labels.
 - **ensure semantic interoperability** when exchanging data between systems and applications.
 - **increase the value of the reference codes**, if widely reused and referenced.

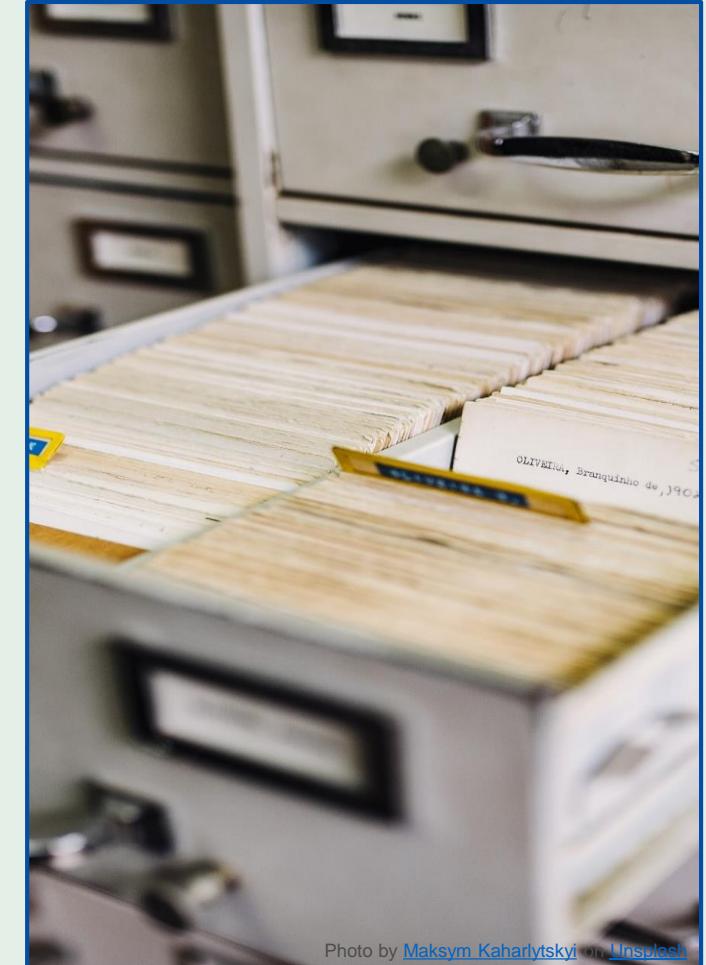


Photo by [Maksym Kaharlytskyi](#) on [Unsplash](#)



A system of registers

- Allows the sharing and **management of reference codes** through the use of **persistent URIs** which are governed in a consistent manner.
- Provides a **central access point**, where labels and reference code descriptions are easily accessible by both **humans** and **machines**.
- Fosters semantic and organisation interoperability.



Suitable for any domain
including geospatial

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

Re3gistry Federation Tool



The screenshot shows the 'Registries' section of the INSPIRE Register Federation. At the top, there are filters for 'Label' and 'Publisher'. Below is a table listing various registries:

Label	Publisher
European Geoscience Registry	BRGM 
Système de publication de registres de l'IDG française	BRGM 
INSPIRE registry	European Commission, Joint Research Centre 
EEA Data Dictionary vocabularies	European Environment Agency 
Austrian INSPIRE registry	CCCA Data Centre 
INSPIRE Italia Registry	Agency for Digital Italy 
Lithological Classification Austria - extended values	Geological Survey of Austria 
Spanish INSPIRE registry	Centro Nacional de Información Geográfica 
BRGM (French geological survey) registry tool	BRGM 
IUGS CGI Geoscience Vocabularies for Linked Data	Geoscience Terminology Working Group (GTWG) 

<https://inspire.ec.europa.eu/register-federation>

- Born as a test bed to bring together national extensions of INSPIRE data models in a single place.
- RoR Format: public specifications based on DCAT-AP.
- Ready-to-use and customisable public user interface (web application).
- To be released soon as an open source project.



Re3gistry

Project & Community engagement

Re3gistry Architecture

BACKEND



FRONTEND





Components

Backend (Administrator)

The screenshot shows the Re3gistry sandbox - admin interface. At the top, there's a navigation bar with links for Admin, Content, Structure, Submitting Organisations, Control Body, Register Manager, Registry Manager, and Sign out. Below the navigation, a language selector shows English (EN). The main area is titled "Manage the content". It features a grid of language codes (en, it, cs, bg, da, de, el, es, et, fi, fr, hu, lt, lv, mt, pl, nl, pt, ro, sk, sl, sv, hr) with "en" selected. Below the grid, a breadcrumb navigation shows "Re3gistry2 Devel > examplecodelist". There are three input fields: "URI" with the value "http://host.docker.internal/registry/examplecodelist/item01", "label" with the value "VALID ITEM - Item01" (marked with a red asterisk), and "definition" which contains a complex JSON object. The "definition" field has a rich text editor toolbar.

API

```
{
  "examplecodelist" : {
    "itemclass" : {
      "label" : {
        "text" : "examplecodelist-item",
        "lang" : "en"
      },
      "id" : "examplecodelist-item"
    },
    "containeditems" : [ ],
    "created" : "2022-05-17 12:20 PM GMT",
    "language" : "en",
    "definition" : {
      "text" : "",
      "lang" : "en"
    },
    "id" : "http://host.docker.internal/registry/examplecodelist/item01",
    "label" : {
      "text" : "VALID ITEM - Item01",
      "lang" : "en"
    },
    "latestversion" : "http://host.docker.internal/registry/examplecodelist/item01",
    "thisversion" : "http://host.docker.internal/registry/examplecodelist/item01:1",
    "status" : {
      "label" : {
        "text" : "Valid",
        "lang" : "en"
      },
      "id" : "statusbaseuri/status/valid"
    },
    "register" : {
      "label" : {
        "text" : "Valid"
      }
    }
  }
}
```

Frontend

The screenshot shows the Re3gistry2 Devel frontend. At the top, there's a navigation bar with links for English (EN) and a search bar. The main area is titled "Re3gistry2 Devel". A breadcrumb navigation shows "Re3gistry2 Devel > examplecodelist > VALID ITEM - Item01". Below the breadcrumb, the title "VALID ITEM - Item01" is displayed. The page lists several details about the item: URI (http://host.docker.internal/registry/examplecodelist/item01), This version (http://host.docker.internal/registry/examplecodelist/item01:1), label (VALID ITEM - Item01), definition (VALID ITEM - Item01), status (Valid), and Insert date (2022-05-17 12:20 PM GMT). At the bottom, there's a section for "Available formats" with options for XML Registry, XML ISO 19135, RDF/XML, and JSON.





Backend - Functionalities (1)

Login and administration interface

The image displays two screenshots of the Re3gistry sandbox - admin interface. The left screenshot shows the 'Sign in' page with fields for email and password, and links for 'Forgot password?' and 'Sign in'. The right screenshot shows the 'Welcome to your administration panel' with a list of pending items, showing one entry: 'DRAFT ITEM - Item02' with an edit date of '2022-05-17 12:21:23'. The top navigation bar includes links for Admin, Content, Structure, Submitting Organisations, Control Body, Register Manager, Registry Manager, and Sign out.

Re3gistry

English EN

Re3gistry sandbox - admin interface

Sign in

name@example.com

Forgot password?

Sign in

Re3gistry

English EN

Re3gistry sandbox - admin interface

Welcome to your administration panel

List of your pending items

Name	Edit date
DRAFT ITEM - Item02	2022-05-17 12:21:23

Show 10 entries

Showing 1 to 1 of 1 entries

Previous 1 Next



Backend - Functionalities (2)

Manage content

- Create/modify/delete/register items.
- Multilingualism support.

Manage the content

en it cs bg da de el es et fi fr hu lt lv mt pl nl pt ro sk sl sv
hr

Re3gistry2 Devel > examplecodelist

URI http://host.docker.internal/registry/examplecodelist/item01

label VALID ITEM - Item01 *

definition

status Draft Valid

Register Federation export Off Off

Actions Discard proposal More actions Save clarification

FOSS4G FIRENZE 2022 logo

Re3gistry English

Re3gistry sandbox - admin interface

Admin Content Structure Submitting Organisations Control Body Register Manager Registry Manager name@example.com Sign out

Manage the content

en it cs bg da de el es et fi fr hu lt lv mt pl nl pt ro
sk sl sv hr

URI http://host.docker.internal/registry

label Re3gistry2 Devel *

contentsummary

registryManager Registry Manager

Available items

+ Add register

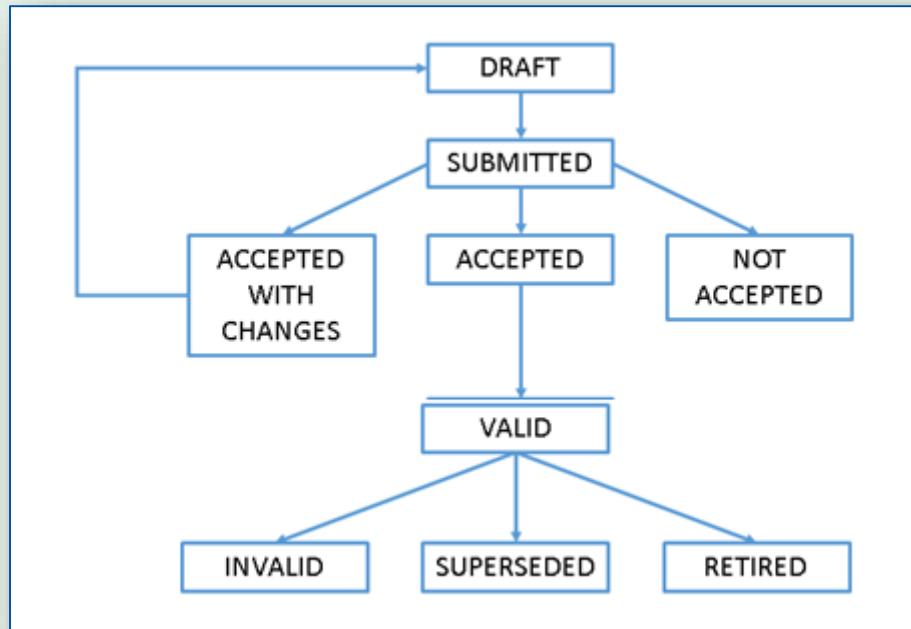
label	Filter label	contentsummary	status ⓘ
examplecodelist		examplecodelist	Valid

Show 10 entries Showing 1 to 1 of 1 entries Previous 1 Next

FOSS4G FIRENZE 2022 logo

Manage content

- Status of reference code following ISO 19135 Standard on “*Procedures for item registration*”.
- More information:
<https://github.com/ec-jrc/re3gistry/blob/master/documentation/user-manual.md>





Backend - Functionalities (3)

Manage structure

- Configuration and display settings.

Re3gistry sandbox - admin interface

Manage the structure

Procedure order *	Local ID	Type	Parent	Base URI	Creation date	Actions
0	registry	registry		http://host.docker.internal	Tue May 17 11:52:32 GMT 2022	
1	examplecodelist	register	registry	http://host.docker.internal/registry	Tue May 17 11:53:14 GMT 2022	
2	examplecodelist-item	item	examplecodelist		Tue May 17 11:53:14 GMT 2022	

Show 10 entries Showing 1 to 3 of 3 entries Previous 1 Next

Structure > examplecodelist-item

examplecodelist-item

Edit Remove

Cache class

Fields available for the item examplecodelist-item

Note: the changes done in the table (check boxes) are automatically saved. Changes in the structure requires the execution of a new cache.

Display order	Label	Type	Is hyperlinked	Hidden	Multivalued	Required	Show in table	Actions
0	label	text	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
1	definition	longtext	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
2	status	status	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	

Show 10 entries Showing 1 to 3 of 3 entries Previous 1 Next



Backend - Functionalities (4)

Governance: well-defined workflow

- Registry manager roles following ISO 19135 Standard on “*Procedures for item registration*”
 - Submitting organisations.
 - Control body.
 - Register manager.
 - Registry manager.
- Currently working on an option to work on a simplified management workflow.
 - Issue #144 <https://github.com/ec-jrc/re3gistry/issues/144>





Backend - Functionalities (4)

Submitting Organisations dashboard

Actions list

Label	Start date	Register	Status	User (owner)	Actions
Action on examplecodelist	2022-05-17 12:21:23	examplecodelist	Draft	name@example.com	<button>Submit to Control Body</button> <button>Discard action</button>
Action on examplecodelist	2022-05-17 12:18:54	examplecodelist	Published	name@example.com	

Show 10 entries Showing 1 to 2 of 2 entries

This is the local environment of the Re3gistry 2 software

You are about to submit the selected action.

Action title: Action on examplecodelist

★ You can provide a change log here. The text provided below will be visible in the management front-end and public RSS feed.

Included new description

This field is required.

You can add a link to a issue related to this actions

Cancel

Control body dashboard

Actions list

Label	Start date	Register	Status	User (owner)	Actions
Action on examplecodelist	2022-05-17 12:21:23	examplecodelist	Submitted (by name@example.com)	name@example.com	<input checked="" type="button" value="Approve"/> <input type="button" value="Approve with changes"/> <input type="button" value="Reject"/>
Action on examplecodelist	2022-05-17 12:18:54	examplecodelist	Published	name@example.com	

Show 10 entries Showing 1 to 2 of 2 entries

Register manager dashboard

Action details

Action details					
Label	Start date	Register	Status	User (owner)	Actions
Action on examplecodelist	2022-05-17 12:21:23	examplecodelist	Published	name@example.com	
Submitted by Changelog					
Included new description					
Accepted by					
name@example.com					
List of changes published in this action					
Label	Language	Status	User (owner)		Actions
DRAFT ITEM - Item02	en	Valid	name@example.com		<input type="button" value="Publish"/>
Show 10 entries	Showing 1 to 1 of 1 entries	Previous	1	Next	

Register manager dashboard

Actions list

Label	Start date	Register	Status	User (owner)	Actions
Action on examplecodelist	2022-05-17 12:21:23	examplecodelist	Accepted (by name@example.com)	name@example.com	<input checked="" type="button" value="Publish"/>
Action on examplecodelist	2022-05-17 12:18:54	examplecodelist	Published	name@example.com	

Show 10 entries Showing 1 to 2 of 2 entries

Confirm the approval?

(by name@example.com)

name@example.com

Search items

- Capabilities:
 - Search by URI.
 - Search by ID.
 - Search by ID & status ([#138](#)).
- In development:
 - Adapt to OpenAPI specifications ([#140](#)).

Example:

<http://.../re3gistry2restapi/items/any?uri=http://host.docker.internal/registry&lang=en&format=jsonc>

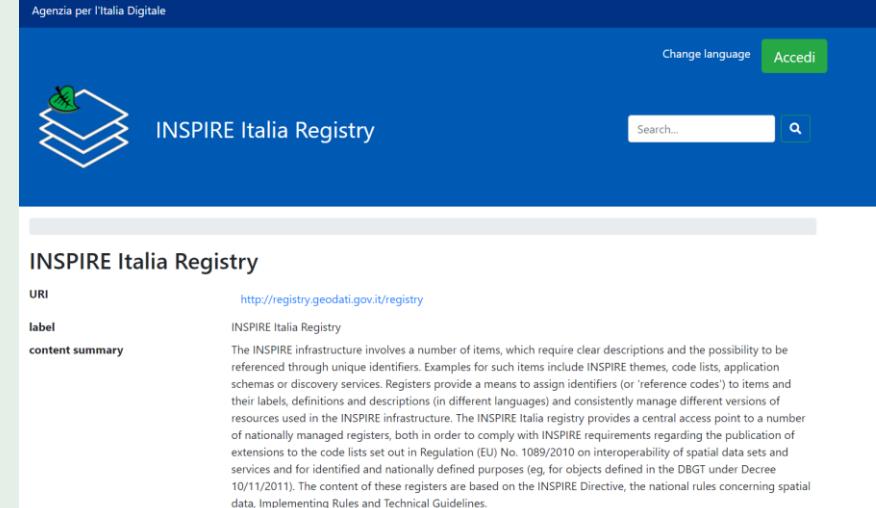
```
{  
  "uri" : "http://host.docker.internal/registry",  
  "localid" : "registry",  
  "version" : {  
    "number" : 1,  
    "uri" : "http://host.docker.internal/registry:1"  
  },  
  "versionHistory" : [ ],  
  "language" : "en",  
  "type" : "registry",  
  "itemclass" : {  
    "id" : "registry"  
  },  
  "properties" : [ {  
    "lang" : "en",  
    "id" : "label",  
    "istitle" : "true",  
    "label" : "label",  
    "values" : [ {  
      "value" : "Re3gistry2 Devel",  
      "href" : ""  
    } ],  
    "order" : 0,  
    "tablevisible" : "true"  
  }, {  
    "lang" : "en",  
  } ]  
}
```



Re3gistry[→] Frontend

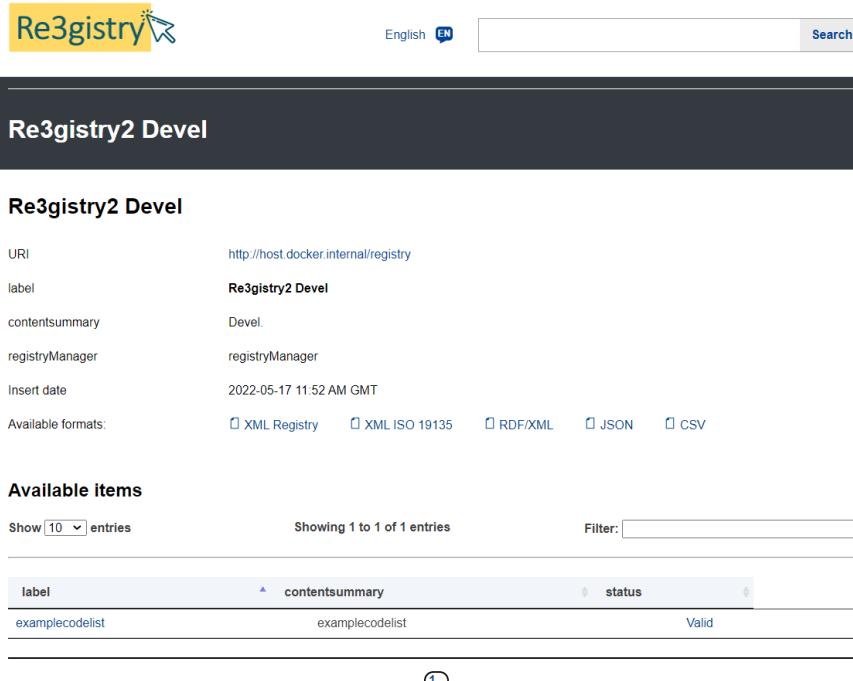
Webapp to visualise the content served the API

- Fully customizable.
- Accessible and responsive design.
- Planning to develop alternative visualisations ([#157](#)).



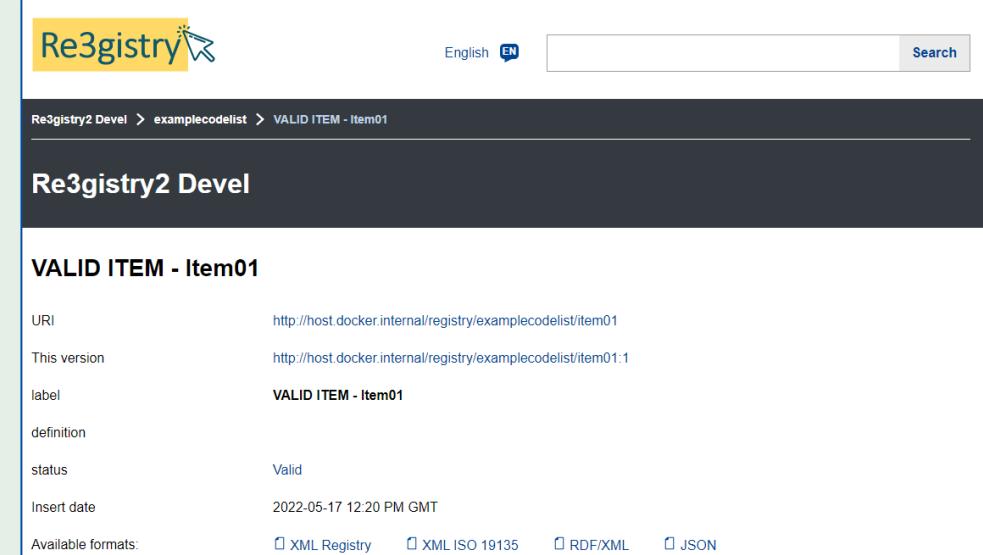
The screenshot shows the INSPIRE Italia Registry homepage. At the top, there's a blue header with the Agenzia per l'Italia Digitale logo, a "Change language" button, and an "Accedi" button. Below the header is a search bar with a magnifying glass icon. The main content area features a large "INSPIRE Italia Registry" logo with a green leaf icon. To the right of the logo, there's a brief description of what the registry is and its purpose, followed by a link to the registry's URI: <http://registry.geodati.gov.it/registry>.

<https://registry.geodati.gov.it/registry>



This screenshot shows a "Re3gistry2 Dev" interface. At the top, it displays the URI: <http://host.docker.internal/registry>. Below this, there's a table with columns: label, contentsummary, and status. A single entry is shown: "examplecodelist" with "examplecodelist" under contentsummary and "Valid" under status. At the bottom, there's a table titled "Available items" showing one entry: "examplecodelist".

label	contentsummary	status
examplecodelist	examplecodelist	Valid



This screenshot shows a "Re3gistry2 Dev" interface. It starts with a breadcrumb navigation: "Re3gistry2 Dev > examplecodelist > VALID ITEM - Item01". Below this, it displays the title "VALID ITEM - Item01". Then, it shows a table with columns: label, definition, status, and insert date. One entry is shown: "VALID ITEM - Item01" with "Valid" under status and "2022-05-17 12:20 PM GMT" under insert date. At the bottom, there's a table titled "Available formats" showing options for XML Registry, XML ISO 19135, RDF/XML, JSON, and CSV.

label	definition	status	insert date
VALID ITEM - Item01		Valid	2022-05-17 12:20 PM GMT



Re3gistry Frontend

Formats available

- New formats can be integrated
 - Planning to include [Genericode \(#153\)](#)

Re3gistry2 Devel

Re3gistry2 Devel

URI	http://host.docker.internal/registry
label	Re3gistry2 Devel
contentsummary	Devel.
registryManager	registryManager
Insert date	2022-05-17 11:52 AM GMT
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

Available items

label	contentsummary	status
examplecodelist	examplecodelist	Valid

XML Registry

XML ISO 19135

RDF/XML

JSON

CSV

```
<?xml version='1.0' encoding='utf-8'?>
<rdf:RDF xmlns:dcat="http://www.w3.org/ns/dcat#" xmlns:adms="http://www.w3.org/ns/adms#"
    xmlns:vcard="http://www.w3.org/2006/vcard/ns#" xmlns:vann="http://purl.org/vocab/vann/"
    xmlns:dc="http://purl.org/dc/elements/1.1/" xmlns:rdf="http://www.w3.org/1999/02/22-rdf-syntax-ns#"
    xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xmlns:rdfs="http://www.w3.org/2000/01/rdf-schema#"
    xmlns:owl="http://www.w3.org/2002/07/owl#" xmlns:skos="http://www.w3.org/2004/02/skos/core#"
    xmlns:dct="http://purl.org/dc/terms/" xmlns:foaf="http://xmlns.com/foaf/0.1/"
    <rdf:Description rdf:about="http://host.docker.internal/registry/examplecodelist">
        <dct:identifier rdf:datatype="http://www.w3.org/2000/01/rdf-
schema#Literal">http://host.docker.internal/registry/examplecodelist</dct:identifier>
        <rdf:type rdf:resource="http://www.w3.org/ns/dcat#Dataset"/>
        <rdf:type rdf:resource="http://www.w3.org/2004/02/skos/core#ConceptScheme"/>
        <owl:sameAs rdf:resource="http://host.docker.internal/registry/examplecodelist:1"/>
        <adms:last rdf:resource="http://host.docker.internal/registry/examplecodelist"/>
        <dct:created rdf:datatype="http://www.w3.org/2001/XMLSchema#date">2022-05-17 11:53 AM GMT</dct:created>
        <dct:format rdf:resource="http://www.iana.org/assignments/media-types/application/rdf+xml"/>
        <dct:accrualPeriodicity
            rdf:resource="http://publications.europa.eu/resource/authority/frequency/UNKNOWN"/>
        <dct:title xml:lang="en">examplecodelist</dct:title>
        <skos:prefLabel xml:lang="en">examplecodelist</skos:prefLabel>
        <dct:description xml:lang="en">&lt;!--examplecodelist--&lt;/dct:description>
```

```
{"register": {"registry": {"label": {"text": "Re3gistry2 Devel", "lang": "en"}, "id": "http://host.docker.internal/registry"}, "controlBody": {"text": "controlBody", "lang": "en"}, "containedItems": [{"value": {"itemclass": "label": {"text": "examplecodelist-item", "lang": "en"}, "id": "examplecodelist-item"}, "created": "2022-05-17 12:20 PM GMT", "language": "en", "definition": {"text": "", "lang": "en"}, "id": "http://host.docker.internal/registry/examplecodelist/item01", "label": {"text": "VALID ITEM - Item01", "lang": "en"}, "latestversion": "http://host.docker.internal/registry/examplecodelist/item01", "thisversion": "http://host.docker.internal/registry/examplecodelist/item01:1", "status": {"label": {"text": "Valid", "lang": "en"}, "id": "statusbaseuri/status/valid"}, "register": {"registry": {"label": {"text": "Re3gistry2 Devel", "lang": "en"}, "id": "http://host.docker.internal/registry"}, "label": {"text": "examplecodelist", "lang": "en"}, "id": "http://host.docker.internal/registry/examplecodelist"}}], "created": "2022-05-17 11:53 AM GMT", "language": "en", "label": {"text": "examplecodelist", "lang": "en"}, "submittingOrganization": {"text": "submittingOrganization", "lang": "en"}, "itemclass": {"label": {"text": "examplecodelist", "lang": "en"}, "id": "examplecodelist"}, "contentsummary": {"text": "<p>examplecodelist</p>", "lang": "en"}, "registerOwner": {"text": "registerOwner", "lang": "en"}, "id": "http://host.docker.internal/registry/examplecodelist", "latestversion": "http://host.docker.internal/registry/examplecodelist", "thisversion": "http://host.docker.internal/registry/examplecodelist:1", "status": {"label": {"text": "Valid", "lang": "en"}, "id": "statusbaseuri/status/valid"}, "registerManager": {"text": "registerManager", "lang": "en"}}}
```





Where to find it?

[ec-jrc / re3gistry](#) Public

Code Issues 54 Pull requests 4 Discussions Actions Projects Wiki Security Insights

master 6 branches 11 tags Go to file Add file Code

About

The Re3gistry is a reusable open source solution for managing and sharing 'reference codes', ensuring concepts are correctly referenced in INSPIRE, or for content in any other sector.

Readme EUPL-1.2 license 15 stars 17 watching 10 forks

Releases 11

v2.3.1 23/03/2022 Latest on Mar 23 + 10 releases

Packages

No packages published Publish your first package

Re3gistry 2 software



<https://github.com/ec-jrc/re3gistry>





Where to find it?



OSGeoLive

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English | Català | Deutsch | Español | Suomen kieli | Français | Italiano | 日本語 | 한국어 | Polski | Ελληνικά | Hungarian

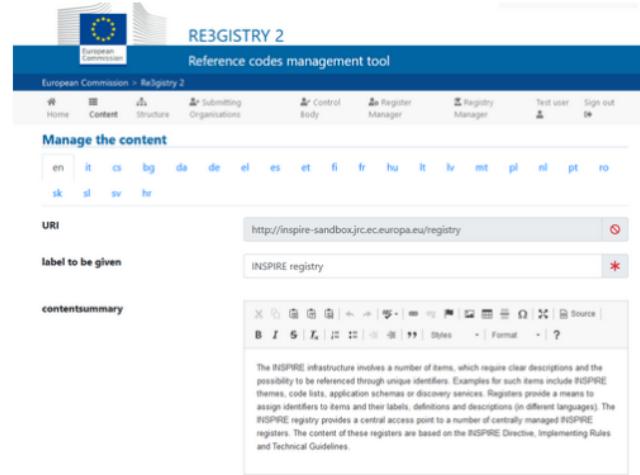
Re3gistry

About

The Re3gistry 2 is a reusable open source solution for managing and sharing "reference codes". Initially developed as a central component of the EU's INSPIRE infrastructure, it provides a consistent central access point where labels and descriptions for reference codes can be easily browsed by humans and retrieved by machines. Reference codes are exchanged between applications to uniquely reference some 'thing'. They can be used to define sets of permissible values for a data field or to provide a reference or context for the data being exchanged. Examples are enumerations, controlled vocabularies, taxonomies, thesauri or, simply, 'lists of things'. The Re3gistry 2 supports organisations in managing and updating reference codes in a consistent way. The Re3gistry software version numbers comply with the Semantic Versioning Specification 2.0.0.

Core Features

- User-friendly editing interface to easily add, edit and manage the registers and reference codes
- Management of the full lifecycle of the reference codes (based on the ISO 19135 Standard)
- Highly flexible and customisable data models
- Multi-lingual content support
- Support for versioning
- RESTful API with content negotiation (including OpenAPI 3 descriptor)
- Free-text search
- Supported formats: HTML, ISO 19135 XML, JSON
- Service formats can be easily added or customised (default formats: JSON and ISO 19135 XML)
- Multiple authentication options
- Externally governed items referenced through URIs
- INSPIRE register federation format support (option to automatically create the RoR format)
- Web-app to access the reference codes in a human readable way.

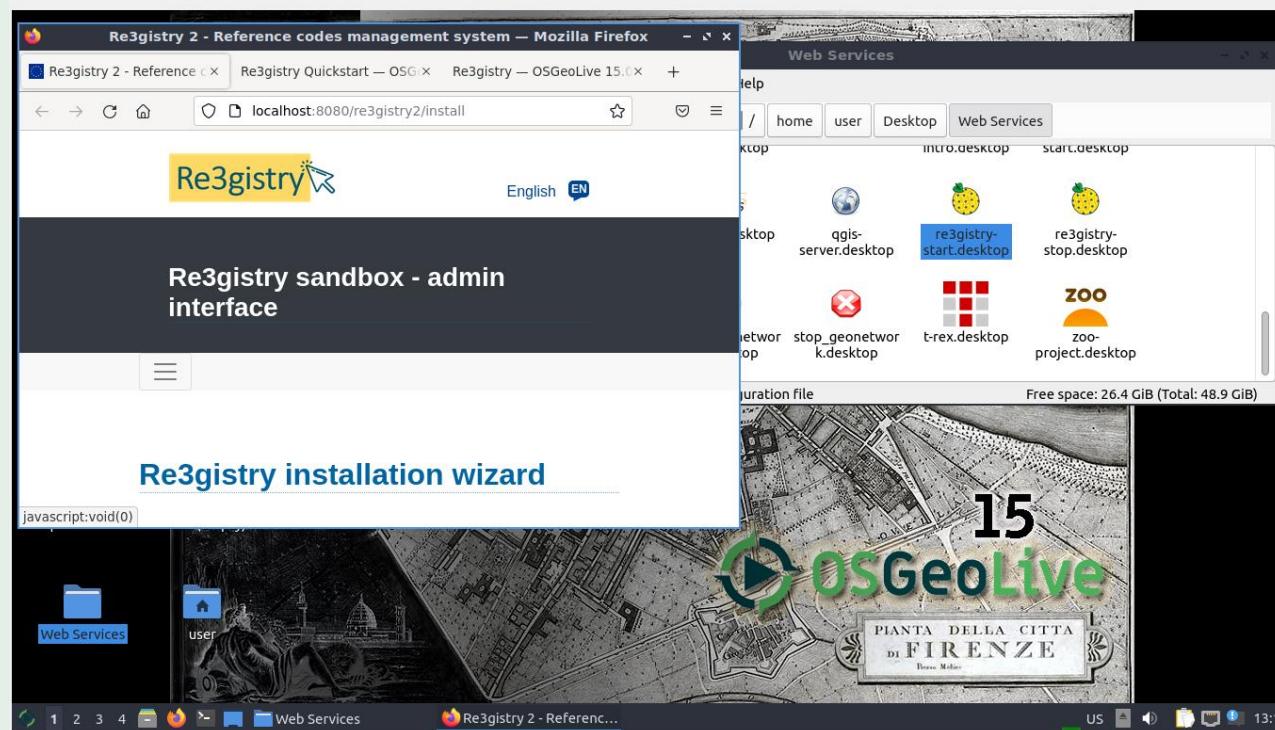


https://live.osgeo.org/en/overview/re3gistry_overview.html
https://live.osgeo.org/en/quickstart/re3gistry_quickstart.html



Where to find it?

- Latest version can be also found on [OSGeoLive 15](#)





How to install it?

Installation

Backend and API: (re3gistry2, re3gistry2restapi)

Options:

1. Precompiled app (using Java 1.8)

- Configure the application by executing the script init-config.bat/sh
- Use it with tomcat.
- All steps explained:

<https://github.com/ec-jrc/re3gistry/blob/master/documentation/administrator-manual.md>

2. Clone & compile your own app

Frontend

- Webapp available: <https://github.com/ec-jrc/re3gistry/tree/master/dist/webapp>





Installation

Installation wizard

All steps defined in the [documentation](#)

Installation types:

- From scratch.
- Migration from Re3gistry v1.3.

Re3gistry installation wizard

Welcome Registry manager Installation type Set up Summary

Registry manager credentials

Select a username and password for the registry manager. The registry manager role will be granted with the full permissions.

Username
Enter an email address, this will be the username of the registry manager.
name@example.com *

Password
Set the password to be used by the registry manager, and confirm it in the field below.
***** *

Confirm Password
Confirm Password *

Re3gistry installation wizard

Welcome

Registry manager

✓ Installation type

Set up

Summary

Installation type

Choose the installation type you wish to perform.

Installation

Choose this option if you want to install the Re3gistry software for the first time and to create a registry from scratch.

Migration

Choose this option if you want to upgrade a preexisting Re3gistry instance. This option will keep your settings and content.

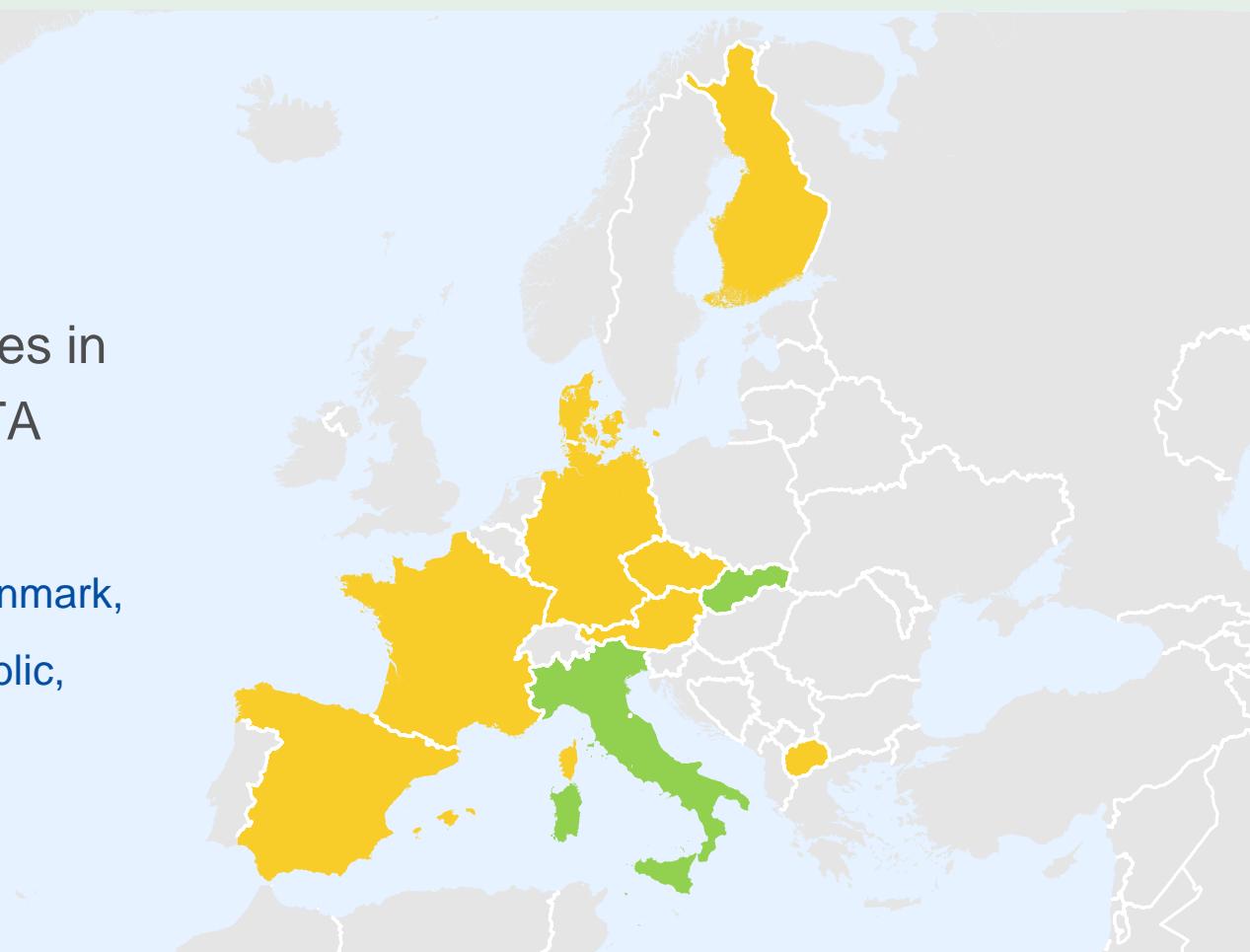
Note that this option **will work only on an existing instance running on Re3gistry version 1.3.X**





Who is using it?

- Public sector
 - European Commission.
[INSPIRE Registry](#)
 - European national agencies in the Member States & EFTA countries:
Italy, Austria, Spain, France, Denmark, Finland, Germany, Czech Republic, Slovakia, North Macedonia.
- Private sector



0 250 500 1,000 Km

Re³gistry v1.3
Re³gistry v2.0



Versions and features

Re3gistry v2.3

<https://github.com/ec-jrc/re3gistry/releases/tag/v2.3.1>

- Multi-lingual support.
- Several formats (JSON, XML, RDF, etc.) –extensible.
- Ready-to-use & customisable public user interface.
- User, admin & developer manuals.
- Simple management of users and groups.
- User-friendly editing interface.
- Integration of ISO19135:2005 procedures to register reference codes.
- Integrated, Open API-compliant REST API.
- Simple data export and indexing (provided by Solr).
- Guided installation procedure, including migration from Re3gistry v.1.3.
- RSS feed.
- RoR format to facilitate federation.

Re3gistry v2.4.0

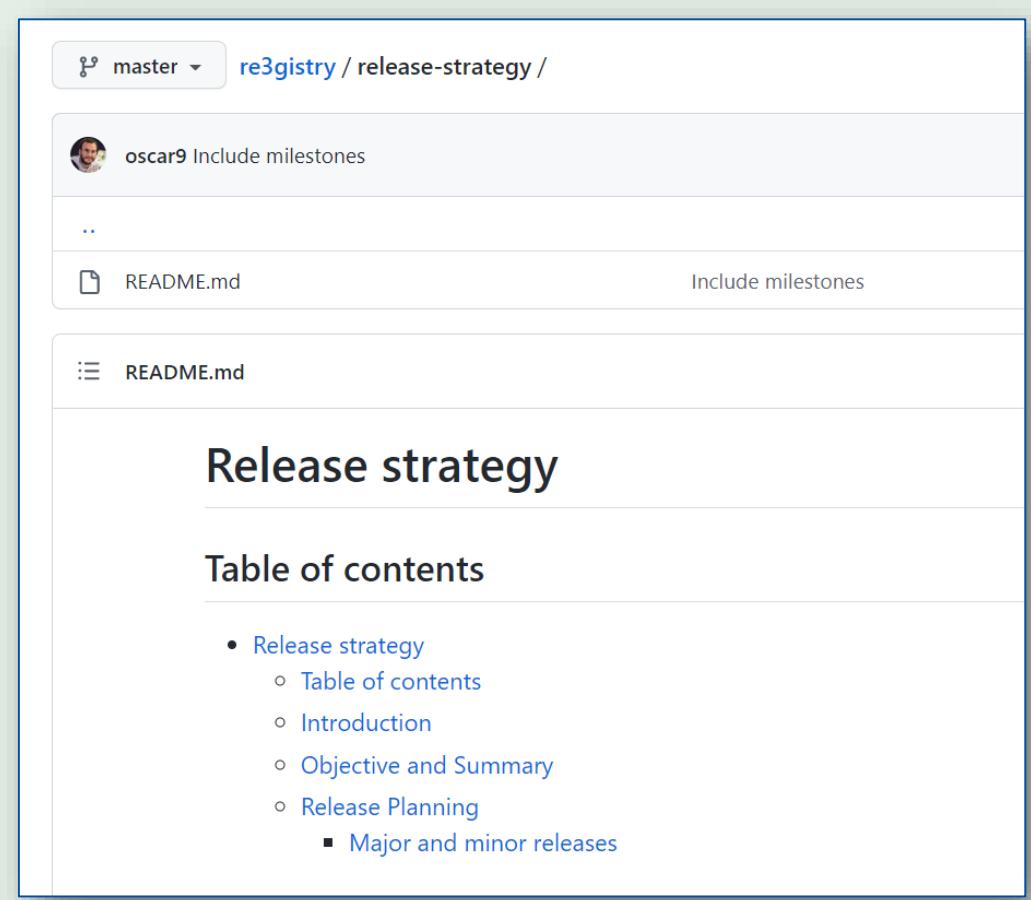
- Docker installation.
- Simplified workflow (one single role).
- Search for items with specific status.
- Open-API.
- Integration with RoR.
- Issues fixing.

Upcoming: Sept. 2022



Re3gistry Release plan

- Minor release: June 2022 (v2.3.3 6/2022)
- **Major release: September 2022** (v2.4.0 09/2022)
 - Minor release: December 2022 (v2.4.1 12/2022)
 - Minor release: March 2023 (v2.4.2 3/2023)
 - Minor release: June 2023 (v2.4.3 6/2023)
- **Major release: September 2023** (v2.5.0 09/2023)
 - Minor release: December 2023 (v2.5.1 12/2023)
 - Minor release: March 2024 (v2.5.2 3/2024)
 - Minor release: June 2024 (v2.5.3 6/2024)
- **Major release: September 2024** (v2.6.0 09/2024)
 - Minor release: December 2024 (v2.6.1 12/2024)



The screenshot shows a GitHub repository interface for the 're3gistry' project. The repository path is 're3gistry / release-strategy /'. The 'master' branch is selected. The folder contains two README files: 'README.md' and 'Include milestones'. The 'README.md' file is expanded, showing its content:

Release strategy

Table of contents

- Release strategy
 - Table of contents
 - Introduction
 - Objective and Summary
 - Release Planning
 - Major and minor releases



<https://github.com/ec-jrc/re3gistry/tree/master/release-strategy>





How to contribute?

- GitHub acting as a main channel of iteration with users.

<https://github.com/ec-jrc/re3gistry>

- Issue tracker (bugs, problems and issues).
- Discussions (enhancements, questions, suggestions, etc.).

This screenshot shows the GitHub Issues page for the repository "ec-jrc/re3gistry". The top navigation bar includes links for Pull requests, Issues, Marketplace, and Explore. Below the navigation, there are buttons for Code, Issues (54), Pull requests (4), Discussions, Actions, Projects (1), Wiki, Security, and Insights. A red box highlights the "Issues 54" button. The main content area displays a list of 54 open issues, each with a title, a brief description, and a link to the issue page. The first few issues listed are:

- Include a pop up window to indicate users the last updates (Type: Enhancement)
- Search engine improvement
- Adding a user to the platform let them accept if he/she agrees to join the platform
- Show the last modification date attribute
- Webapp: login button
- History version: add a button or an indication to go to the latest version

This screenshot shows the GitHub Discussions page for the same repository. The top navigation bar is identical to the Issues page. A red box highlights the "Discussions" button. The main content area shows a search bar for discussions and a sidebar with categories: Announcements, General, Ideas, Polls, Q&A, and Show and tell. A message at the top right says "Pre release v2.3.2 30/06/2022". Below the sidebar, a box titled "Most helpful" contains a note: "Be sure to mark someone's comment as an answer if it helps you resolve your question — they deserve the credits!"



How to contribute?

- GitHub procedure

- Open an issue, describing the proposal or the bug fixing.
- Creating a fork of the repository, to work on the latest version.
- Make a pull request to the **develop branch** on the repository.

Get involved!

The screenshot shows two GitHub pages. The top page is an issue titled "Create XSD related to each instance of the software #175" with a red box highlighting the title. The bottom page is a pull request titled "175-create-xsd-on-the-fly" with a red box highlighting the title. Both pages show the repository structure, commit history, and other pull requests.

Create XSD related to each instance of the software #175

Background and Motivation

Proposed change

175-create-xsd-on-the-fly

README.md





Google summer of code

- Part of the Google Summer of Code 2022 program
 - Re3gistry as OSGeo guest project.
https://wiki.osgeo.org/wiki/Google_Summer_of_Code_2022_Ideas
<https://github.com/ec-jrc/re3gistry/wiki/Google-Summer-of-Code-2022>

If you want to collaborate next year:

- Start coding already with the Re3gistry software.
- Check GSoC '23 & OSGeo eligibility requirements.
- Choose a project proposal.
- Test your skills.
- Apply as contributor.



Re3gistry Future plans

- Improve the Re3gistry project
 - Addressing the issue backlog in GitHub.
 - Evolving the software taking into account the recommendations from the community.
 - Submitting and analysing periodic surveys.
- Support users and developers.
 - Offering training.
 - Updating the documentation, making it easy to be followed and understood.
- Strengthen the community around the Re3gistry.
 - Publishing promotional videos.
 - Ad-hoc activities (GSoC)
- Integration with the Federation Tool, RoR (Registry of Registers).

<input type="checkbox"/>	<input checked="" type="radio"/> 54 Open	<input checked="" type="checkbox"/> 63 Closed
<input type="checkbox"/>	<input checked="" type="radio"/> Include a pop up window to indicate users the last updates	Type: Enhancement #182 opened 9 days ago by emanuelaepure10
<input type="checkbox"/>	<input checked="" type="radio"/> Search engine improvement	#181 opened 9 days ago by emanuelaepure10
<input type="checkbox"/>	<input checked="" type="radio"/> Adding a user to the platform let them accept if he/she agrees to join the plat	#180 opened 10 days ago by emanuelaepure10
<input type="checkbox"/>	<input checked="" type="radio"/> Show the last modification date attribute	#179 opened 10 days ago by emanuelaepure10
<input type="checkbox"/>	<input checked="" type="radio"/> Webapp: login button	#178 opened 10 days ago by emanuelaepure10
<input type="checkbox"/>	<input checked="" type="radio"/> History version: add a button or an indication to go the the latest version	#177 opened 10 days ago by emanuelaepure10
<input type="checkbox"/>	<input checked="" type="radio"/> Improve the error message when a resource doesnt not exist	



Re3gistry Conclusions

- The Re3gistry software project is active and periodically evolving.
 - Established roadmap for the next 3 years.
 - Open development, everything is on GitHub.
- Everyone can be engaged as part of the Re3gistry community.
 - Not just developers.
 - Report Issues and collaborate on Discussions.
 - Propose improvements, fixes and develop new functionalities.



Thank you!



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