



# MIWP 2021-2024 – Action 2.4

## Central INSPIRE infrastructure components

**JRC INSPIRE Team**

*13<sup>th</sup> MIG meeting – June 17-18, 2021*

# INSPIRE Geoportal – New backend

- Release of a prototype of the **Geoportal backend** based on the open source **GeoNetwork** catalogue application foreseen by the end of the summer.
- Main features:
  - harvesting dashboard (aka **harvest console**) protected through EU Login
  - **harvester core**, with custom configurable options and capabilities:
    - **complete coverage** over the harvest of 35 endpoints currently available in the INSPIRE Geoportal, comprising the **incremental harvesting feature**
    - **data-service linkage assessment**, covering the current approach as well as the new simplified approach (WIP)
    - **automated translation** of metadata fields through EC DGTranslation services
    - full support for **OGC Filter**
- Decision on the system (current Geoportal or new Geoportal) used for **Monitoring and Reporting 2021** to be taken after the test of the prototype.

# INSPIRE Geoportal – New frontend

- Will introduce 2 new features:
  - **new UI** aligned with the visual identity of the European Commission
  - **new filters** based on the (provisional) list of high-value datasets
- Release expected to take place after the publication of the **Implementing Act on high-value datasets** (autumn 2021)

The screenshot displays the new frontend of the INSPIRE Geoportal. At the top left is the European Commission logo. The top right corner features a language selector set to 'English'. Below the header is a breadcrumb trail: 'European Commission > INSPIRE > INSPIRE Geoportal > HOME'. The main heading is 'ENHANCING ACCESS TO EUROPEAN SPATIAL DATA' followed by 'INSPIRE GEOPORTAL'. A navigation menu includes 'Home', 'High-Value Data Sets', 'Thematic Data', 'Harvesting status', and 'Find out more about'. The main content area is titled 'High-Value Data Sets' and includes a sub-heading 'Please select a thematic category:'. Three categories are presented in cards: 'Geospatial High-Value Data Sets' (with a location pin icon), 'Earth Observation and Environment Data Sets' (with a globe icon), and 'Mobility' (with a car icon). Each card contains a placeholder text: 'It is a long established fact that a reader will be distracted by the readable content of a page when looking at its layout.' and a 'Show more Data Sets >' button.

# INSPIRE Reference Validator – Releases

## Annual releases

As mentioned above, several releases of the INSPIRE Reference Validator are scheduled each year with the main goal of concentrating breaking changes in the first half of the year in order to produce the major release used for the end-of-year Monitoring process already in June. The scheduled annual releases are described in detail in the next sub-sections. In addition to the different infrastructure and deployment environments, the different releases are managed using different branches of the *ets-repository* repository.

For simplicity, the descriptions make explicit reference to releases in the years 2021/2022, but the same release schedule will be applied consistently over the following years:

- v2021.1 - 15/03/2021: it includes both breaking and non-breaking changes. **latest release**
- v2021.2 - 15/06/2021: it includes both breaking and non-breaking changes. **used for Monitoring and Reporting 2021**
- v2021.3 - 15/09/2021: it only includes non-breaking changes, so that any INSPIRE resource passing the test in the previous release automatically passes the same test in this release. This release is the one used for the end-of-year Monitoring process.
- v2022.b - 15/09/2021: it includes both breaking and non-breaking changes which are planned to become effective (for Monitoring purposes) in the following year.
- v2022.0 - 15/01/2022: it includes both breaking and non-breaking changes, including those available in the beta instance of the previous year.

# INSPIRE Reference Validator – Latest release

Latest release

v2021.2

3ca4795

Verified

Compare

## v2021.2 15/06/2021

carlospzurita released this 3 hours ago

The version published at this time contains breaking and non-breaking changes.

### New Features

ATS:

- [ATS for Data Specification on Orthoimagery](#)
- [ATS for Data Specification on Agricultural and Aquaculture Facilities](#)

ETS:

- [ETS for Data Specification on Orthoimagery](#)
- [ETS for Data Specification on Agricultural and Aquaculture Facilities](#)

UI:

- Integration of new [INSPIRE validator UI](#) deployed and included on Docker image

### Bugfixes

- [#265](#) Added tiff format support to ATOM tests - [#619](#)
- [#432](#) Updated from QualityOfCriteriaCode to QualityOfCriteria - [#622](#)
- [#453](#) Updated temp schema validation - [#616](#)
- [#472](#) Updated noDateTypeForSpecification message - [#623](#)
- [#530](#) Added specification option to Geology - [#618](#)
- [#531](#) GMLAS C.1 \*:uom exception added - [#617](#)
- [#535](#) Added new certificates to the ETF Validator
- [#543](#) Added new certificates to the ETF Validator
- Updated outdated "community" repository links - [#624](#)

### Deployment instructions

Section containing deployment process using Docker image and troubleshooting section. You can also find these in the [training material](#)

<https://github.com/INSPIRE-MIF/helpdesk-validator/releases/tag/v2021.2>

# New INSPIRE Validator User Interface

- Available for the first time in the production instance with release v.2021.2:
  - aligned with the visual identity of the European Commission
  - **simplified workflow** for starting tests
  - **captcha** to prevent machine interaction

The screenshot shows the 'INSPIRE Validator - Test selection' page. At the top, there is a navigation bar with the European Commission logo, language selection (EN English), and a search box. Below the navigation bar, the page title 'INSPIRE Validator - Test selection' is displayed. A menu bar contains links for Home, Test selection, Test reports, Get support, and More on the INSPIRE Reference Validator. The main content area is titled 'Configure your test' and includes three sections: 'Select the INSPIRE resource you would like to test' with radio buttons for Metadata (selected), View Service, Download Service, Discovery Service, and Data set; 'Select the Technical Guidelines version' with radio buttons for Version 1.3 - DEPRECATED and Version 2.0 (selected); and 'Select the type of metadata record(s) to be tested' with radio buttons for Data sets and data set series (selected), Network Service, and Spatial Data Service. An 'Advanced options' dropdown is located below these sections. The next section is 'Provide the resource to test', which includes instructions on file upload and a 'File upload' dropdown menu. To the right, there is an 'Upload file' section with a 'Choose files' button and a note about the 50 MB limit and file restrictions. At the bottom, there is a text input field for a label and a 'Start test' button.

<https://inspire.ec.europa.eu/validator>

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  - **captcha** to prevent machine interaction
  - new visualization of test reports with improved **options for filtering**

<https://inspire.ec.europa.eu/validator/test-reports>

The screenshot displays the 'INSPIRE Reference Validator - Test reports' page. At the top, there is a navigation bar with the European Commission logo, language selection (EN English), and a search box. Below the navigation bar, the page title 'INSPIRE Reference Validator - Test reports' is prominently displayed. A secondary navigation menu includes links for Home, Test selection, Test reports, Get support, and More on the INSPIRE Reference Validator. The main content area is divided into two sections: 'Search options' and 'Search results (15)'. The 'Search options' section includes a search input field, a 'Combine search terms with' section with radio buttons for 'AND' (selected) and 'OR', and dropdown menus for 'Resource type' (set to 'Any resource') and 'Status' (set to 'Any status'). There are also buttons for 'Refine results' and 'Clear all'. The 'Search results (15)' section shows a list of 15 test runs, each with a status icon (green hand for success, red X for failure, or black exclamation mark for warning) and a brief description of the test suite and date. The results are sorted by date, as indicated by the 'Sort by date' dropdown. At the bottom of the page, there are navigation arrows for '< Previous' and 'Next >', with a page indicator '1' in the center.

# Upcoming tests

- Annex II/III theme-specific requirements | <https://github.com/INSPIRE-MIF/helpdesk-validator/issues/336>
  - ATS: all completed
  - ETS: only missing SU, SO, MR, ER, OF
- OGC API - Features | <https://github.com/INSPIRE-MIF/gp-ogc-api-features/>
  - transposition of the tests currently available in the OGC TEAM Engine: available soon
  - development of the INSPIRE-specific tests: planned
- OGC SensorThings API | <https://github.com/INSPIRE-MIF/gp-ogc-sensorthings-api>
  - planned after summer
- Requirements for discoverability of IACS datasets:
  - planned after summer



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# Re3gistry open source software

- New **bugfix release** (v.2.2.0) released in May (EURL license v1.2)



The screenshot shows the GitHub release page for Re3gistry v2.2.0. On the left, there is a sidebar with the version 'v2.2.0', the commit hash 'a813bf4', and a 'Compare' button. The main content area displays the release title 'v2.2.0 21/05/2021' and a note that 'df-git' released it 25 days ago with 3 commits. Below this, there are two sections: 'New Features' and 'Bugfixes'. The 'New Features' section lists three items: a mandatory comment on proposals, a new RSS changelog, and library updates. The 'Bugfixes' section lists three items: updating the administrator manual, fixing item class and field sort order, and fixing a date format.

v2.2.0  
a813bf4

Compare ▾

## v2.2.0 21/05/2021

df-git released this 25 days ago · 3 commits to master since this release

### 🚀 New Features

- Comment on submitting a proposal to the Control Body has been set mandatory.
- Adding a new RSS changelog generated at each publication (listing the changes done and the items affected).
- Updating libraries (GitHub dependabot):
  - #44 Bump shiro-core from 1.4.2 to 1.6.0 in /sources/Re3gistry2Base.
  - #43 Bump commons-io from 2.4 to 2.7 in /sources/Re3gistry2Base.

### 🐛 Bugfixes

- #47 Update administrator-manual.md. Thanks to @fabiovinci
- #46 Item class and item fields sort order fix. Thanks to @dhbello
- #45 Wrong date format fix. Thanks to @dhbello

<https://github.com/ec-jrc/re3gistry/releases/tag/v2.2.0>

# Re3gistry open source software

- New **bugfix release** (v.2.2.0) released in May (EUPL license v1.2)
- Included for the first time in the **OSGeoLive** distribution

## Re3gistry

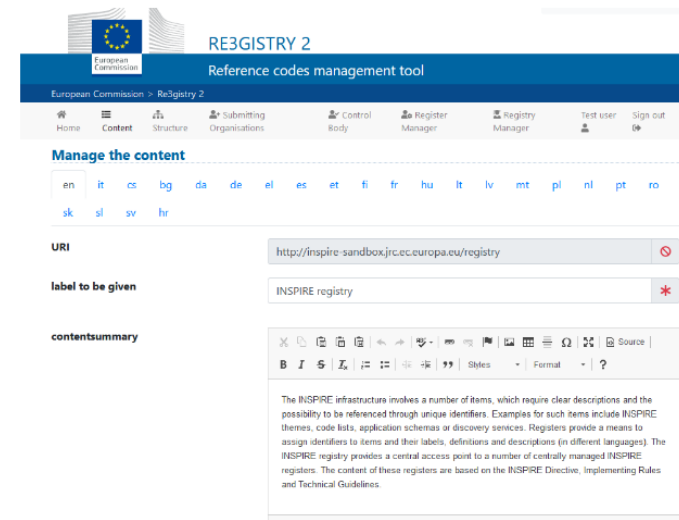
### About

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.



# INSPIRE Registry

- New codelist for IACS datasets:

**Label:** IACS data  
**Definition:** Spatial data inserted in the systems and subsystems as defined in Art. 68 of Regulation (EU) No 1306/2013.  
**Description:** The Integrated Administration and Control System (IACS) consists of computerised databases of the subsystems. The Identification System for Agricultural Parcels (better known as LPIS - Land Parcel Identification System) and the Aid Applications and Payments Claims subsystems of IACS contain the spatial data components.  
**Governance level:** eu-good-practice  
**Status:** Valid

Other formats:



## Metadata code list values

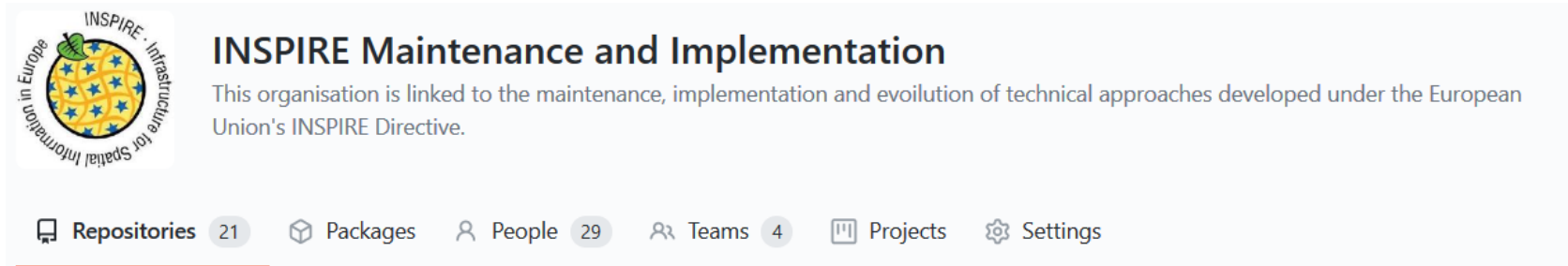
Show only valid items


Filter Label	Filter Legislation	Filter Governance level	^Valid((?!Invalid).)*
Label	Legislation	Governance level	Status
Agricultural area	REGULATION (EU) No 1306/2013	eu-good-practice	Valid
Ecological Focus Area	REGULATION (EU) No 1306/2013	eu-good-practice	Valid
GSAA	REGULATION (EU) No 1306/2013	eu-good-practice	Valid
IACS	REGULATION (EU) No 1306/2013	eu-good-practice	Valid
LPIS	REGULATION (EU) No 1306/2013	eu-good-practice	Valid
Reference Parcel	REGULATION (EU) No 1306/2013	eu-good-practice	Valid

<https://inspire.ec.europa.eu/metadata-codelist/IACSData>

# Helpdesks of all central components

- All centralised and moved to GitHub:



 **INSPIRE Maintenance and Implementation**  
This organisation is linked to the maintenance, implementation and evolution of technical approaches developed under the European Union's INSPIRE Directive.

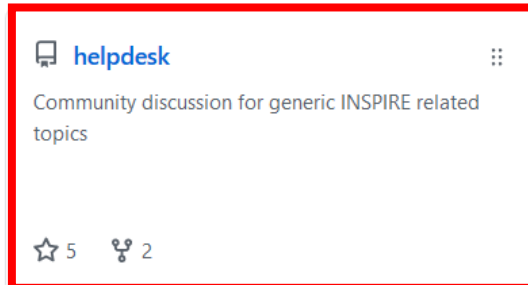
Repositories 21 Packages People 29 Teams 4 Projects Settings


Pinned repositories

**INSPIRE Geoportal helpdesk**

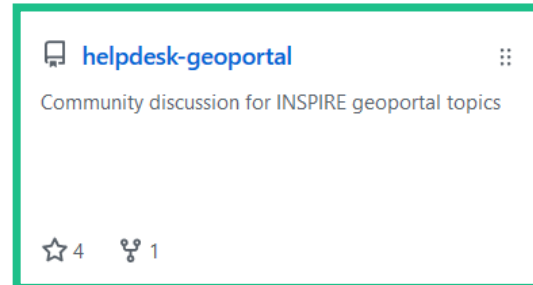
Customize pinned repositories


**General  
INSPIRE  
helpdesk**



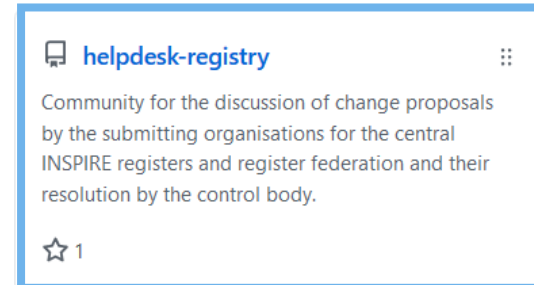
 **helpdesk** ⋮  
Community discussion for generic INSPIRE related topics


☆ 5 🍴 2



 **helpdesk-geoportal** ⋮  
Community discussion for INSPIRE geoportal topics

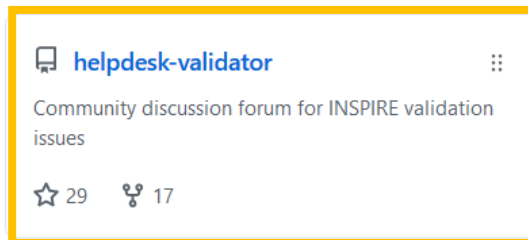
☆ 4 🍴 1




 **helpdesk-registry** ⋮  
Community for the discussion of change proposals by the submitting organisations for the central INSPIRE registers and register federation and their resolution by the control body.

☆ 1

**INSPIRE  
Registry  
helpdesk**



 **helpdesk-validator** ⋮  
Community discussion forum for INSPIRE validation issues

☆ 29 🍴 17

**INSPIRE Reference  
Validator helpdesk**

<https://github.com/INSPIRE-MIF>

# Thank you!



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