

# Re3gistry

## A tool to manage and share reference codes

Daniele Francioli, Emanuela Epure,  
Lorena Hernandez Quiros

INSPIRE Conference, Barcelona  
28 September 2016



# Why do we need reference codes?



Country: **Italia**  
Theme: **Suolo**



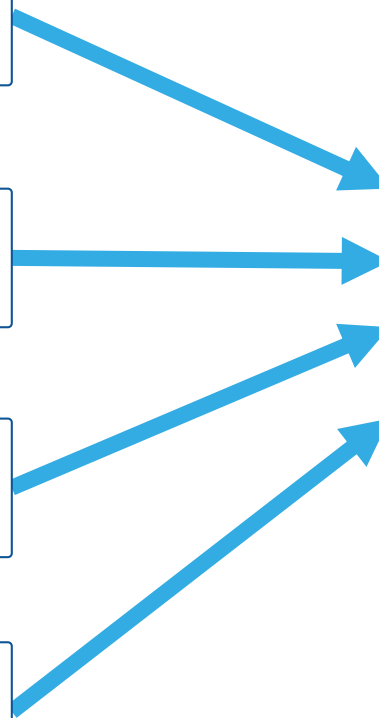
Country: **Deutschland**  
Theme: **Boden**



Country: **Ελλάδα**  
Theme: **έδαφος**



Country: **DE**  
Theme: **Boden**



# Why do we need reference codes?



Country: **countryCode/it**  
Theme: **theme/so**



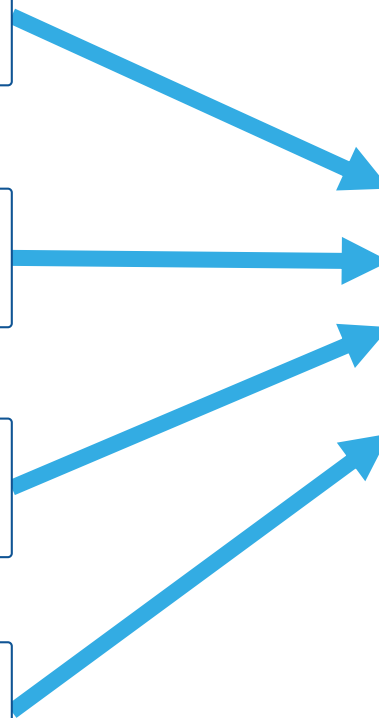
Country: **countryCode/de**  
Theme: **theme/so**



Country: **countryCode/el**  
Theme: **theme/so**



Country: **countryCode/de**  
Theme: **theme/so**



# Managing reference codes

**Registry:** information system on which reference codes are maintained

**Register:** set of files containing identifiers assigned to items with descriptions of the associated items

- Create
- Store/serve
- Update
  - Clarification
  - Supersession
  - Invalidation
  - Retirement

# Why do we need registries in INSPIRE?

## *Key infrastructure components to*

- allow unambiguous references to items
- provide unique and persistent identifiers for resources
- allow their consistent management and versioning

## *Central INSPIRE registry contains registers for*

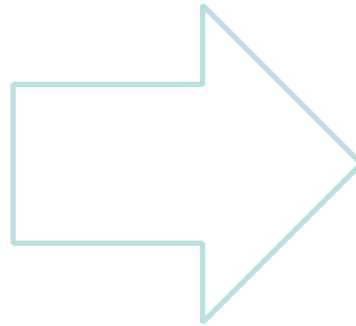
- themes
- code lists and values
- enumerations and values
- feature concepts
- Metadata code lists and values
- application schemas
- glossary
- reference documents
- layers

# Re3gistry Software

An open source solution for managing and sharing reference codes

## ARe<sup>3</sup>NA

ISA Action 1.17



## ELISE

European Location  
Interoperability  
Solutions for  
eGovernment  
ISA<sup>2</sup> Action 10

# Re3gistry Software – Features (v1.2)

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**Natura2000 Designation**

ID: <http://inspire.ec.europa.eu/codelist/Natura2000DesignationValue>

This version: <http://inspire.ec.europa.eu/codelist/Natura2000DesignationValue:1>

Latest version: <http://inspire.ec.europa.eu/codelist/Natura2000DesignationValue>

Label: **Natura2000 Designation**

Definition: A code list for the Natura2000 designation scheme, in accordance with Council Directive 92/43/EEC (Habitats Directive).

Governance level: eu-legal







Status: Valid

Parents: Designation

Themes: Protected sites

Application schema: Protected Sites Simple

Extensibility: Not extensible

Other formats:  XML Re3gistry     XML ISO 19135     RDF/XML     JSON     Atom     CSV

**Code list values**

Filter Label	Filter Governance level	Filter Status
Label	Governance level	Status
proposed site of community importance	eu-legal	Valid
proposed special protection area	eu-legal	Valid
site of community importance	eu-legal	Valid
special area of conservation	eu-legal	Valid
special protection area	eu-legal	Valid

Items per page: 50    Showing 1 to 5 of 5 entries    First Previous 1 Next Last

Multi-lingual

Search

Versioning

Common data

Custom data

Status (valid, superseded, ...)

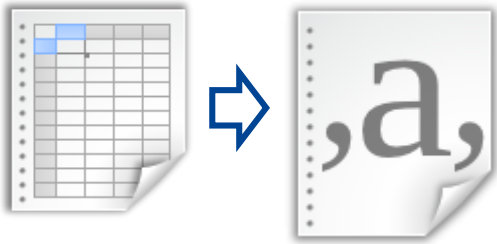
Parent-child hierarchy

Linked items

Multiple formats

Hierarchical registers (collections)

# Re3gistry Software

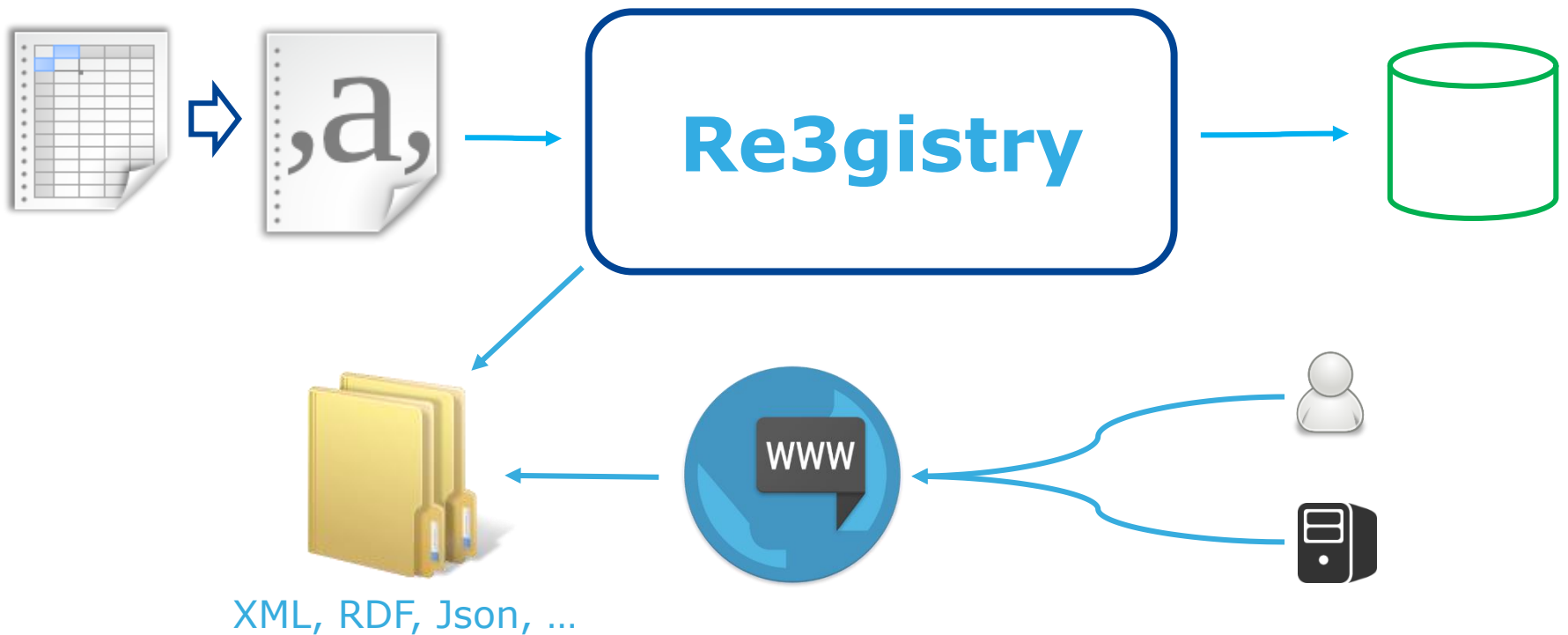




# Re3gistry Software



# Re3gistry Software



# Outlook: Future Re3gistry versions

## Version 1.3 (pre-release testing)

- Reference to externally defined values
- Register Federation support (MIWP-6)

## Version 2.0 – Planned improvements

- Editing user interface
- Guided software installation
- API (direct calls)
- Re3gistry software as a service (SaaS)
- Other suggestions?



## Come to the INSPIRE booth to see a demo

28/09 15:30 - 16:00 **Re3gistry demo**  
29/09 15:30 - 16:00 **Register federation**  
30/09 10:30 - 11:00 **Re3gistry demo**

Contact us at  
[inspire-registry-dev@jrc.ec.europa.eu](mailto:inspire-registry-dev@jrc.ec.europa.eu)

## Re3gistry Survey: we need your feedback!



<http://europa.eu/!Bn84Ct>