ISA Workshop

Project Officers:
Vassilios Peristeras
Athanasios Karalopoulous

Action 1.17: ARE3NA
A re-usable INSPIRE Reference Platform

Action 2.13: EULF
European Union Location Framework

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1. The vision
2. Available solutions
3. Next steps
Develop and share reusable components that both aid INSPIRE implementation and foster cross-sector interoperability

- Establish a collaborative platform & help share best practices

- INSPIRE implementation software inventory, including Open Source tools

- Identify other policies & platforms dealing with spatial data exchange

- Identify ‘missing items’ in INSPIRE and between INSPIRE & other sectors
ARE3NA solutions: Re3gistry

Re³gistry → Generic open source tool for the management of code lists

https://joinup.ec.europa.eu/software/re3gistry/home

v0.5 roadmap includes RDF and .csv
INSPIRE registry

ID: http://inspire.ec.europa.eu/registry
Language: en
Label: INSPIRE registry
Registry manager: European Commission, Joint Research Centre

Content Summary: The INSPIRE infrastructure involves a number of items, which require clear descriptions and the possibility to be referenced through unique identifiers. Examples for such items include INSPIRE themes, code lists, application schemas or discovery services. Registers provide a means to assign identifiers to items and their labels, definitions and descriptions (in different languages). The INSPIRE registry provides a central access point to a number of centrally managed INSPIRE registers. The content of these registers are based on the INSPIRE Directive, Implementing Rules and Technical Guidelines.

Other formats: XML, JSON, Atom


MIG permanent technical sub-group (MIG-T) » INSPIRE Registry

INSPIRE registry service

The INSPIRE registry provides a central access point to a number of centrally managed INSPIRE registers. The content of these registers are based on the INSPIRE Directive, Implementing Rules and Technical Guidelines.

The service is accessible through a RESTful interface described in the INSPIRE registry help page.

Re3gistry software

The Re3gistry is a tool used to manage the data contained in the registry. It is made up of several components to store and to transform the data to some custom formats to be served by a web service.

The web service has a RESTful interface to access the data. You can access different formats and languages using content negotiation or directly calling the desired file.

The development plan for the future releases of the Re3gistry software is available in the Re3gistry software development
Next steps

- Extend and make Re3gistry more ready for reuse in the Member States
- Develop a European federation of INSPIRE Registries
- Represent INSPIRE in RDF (Linked Open Data)
- Governance issues on Persistent Identifiers for INSPIRE data
Improve the use of location information in e-Government services

- **Policy and Strategy Alignment**
  where location plays a significant role.

- **Return on Investment**
  by minimizing costs and maximizing benefits for government, businesses and citizens.

- **Effective Governance and Partnerships**
  ensuring that all stakeholders are involved, as contributors, as well as consumers.

- **e-Government Integration**
  with location information within the G2G, G2B and G2C processes.

- **Standardization and Interoperability**
  using geospatial and location-based standards and technologies.
**Strategic vision**

Shared **vision** and **rationale** for the EULF, defines its **scope** and highlights the governance and implementation approach.

**Survey and Assessments**

**Assessment of the state of play** in the five focus areas of the EULF.

**Blueprint**

**Recommendations, guidelines, methodologies** and **best practices** in the EULF focus areas.

**References**

Provides inventories, links and supplementary information related to the EULF.

**Roadmap**

A high level **implementation plan** for the EULF.

**Pilots**

A series of pilot studies in various policy areas (**transport**, **marine** and **energy**), to both validate and contribute to the EULF.
EULF strategic direction

Survey:
- Questions to MS on location-enablement of e-government
- Validating key issues
- Identifying best practices and gaps
- 25 Member States responded

Vision:
"More effective e-services, savings in time and money, and increased growth and employment will result from adopting a coherent European framework of guidance and actions to foster interoperable cross-sector and cross-border sharing and use of location information"

Assessment:
- Mixed picture across Europe - some good practices to learn from, some significant gaps
- Good evidence to contribute to Vision and Blueprint
- Helped confirm focus areas and priority actions

Transition Strategy:
- Current and future state for each focus area
- EULF actions
- Key benefits and beneficiaries and how to achieve them
- Key risks and how to deal with them
- How to link with the rest of ISA
EULF practical action

Blueprint:
- Recommendations
- Actions
- Guidelines
- Methodologies
- Best practices
- Training

Example topics:
- GI Standards for e-Government
- Procurement guidelines
- Checklists for policy alignment, service design
- Data policy guidance, including data governance, open data, core registers, data licensing
- EIRA location guidelines / inputs

Example scenarios:
- Transportation pilot relating to ITS Directive and road data
- Marine pilot relating to MSFD
- Energy pilot on energy performance of buildings
- Other use cases investigating policies, processes and relevant projects

Pilots / Use Cases:
- Help validate and refine the EULF
- Demonstrate good practice in different sectors and services
- Involve multiple Member States
- Demonstrate role of INSPIRE
- Provide evidence of EULF benefits

Measuring effectiveness and benefits: Outcomes / Impacts
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✓ Better services
✓ Cost and time savings
✓ Effective policy development that leads to improved policy outcomes
✓ More open and transparent government
✓ Support to innovative research