

INSPIRE Thematic Clusters

Engaging thematic communities in the INSPIRE maintenance and implementation process

Topographic and Cadastral Reference Data Clusters

Jordi Escriu

Facilitator Thematic Cluster #3



Dr. Anja Hopfstock

Facilitator Thematic Cluster #6

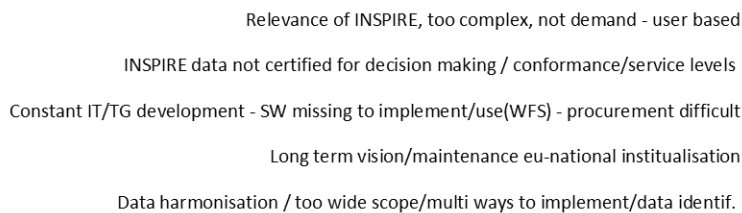


www.jrc.ec.europa.eu

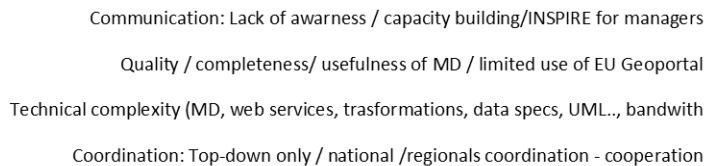
*Serving society
Stimulating innovation
Supporting legislation*

INSPIRE mid-term evaluation public survey

Challenges encountered



- 1. Technical complexity;**
- 2. Coordination at all levels;**
- 3. Data harmonization, multiple ways to implement / interpret concepts;**
- 4. Use cases, demonstrations, real benefits.**

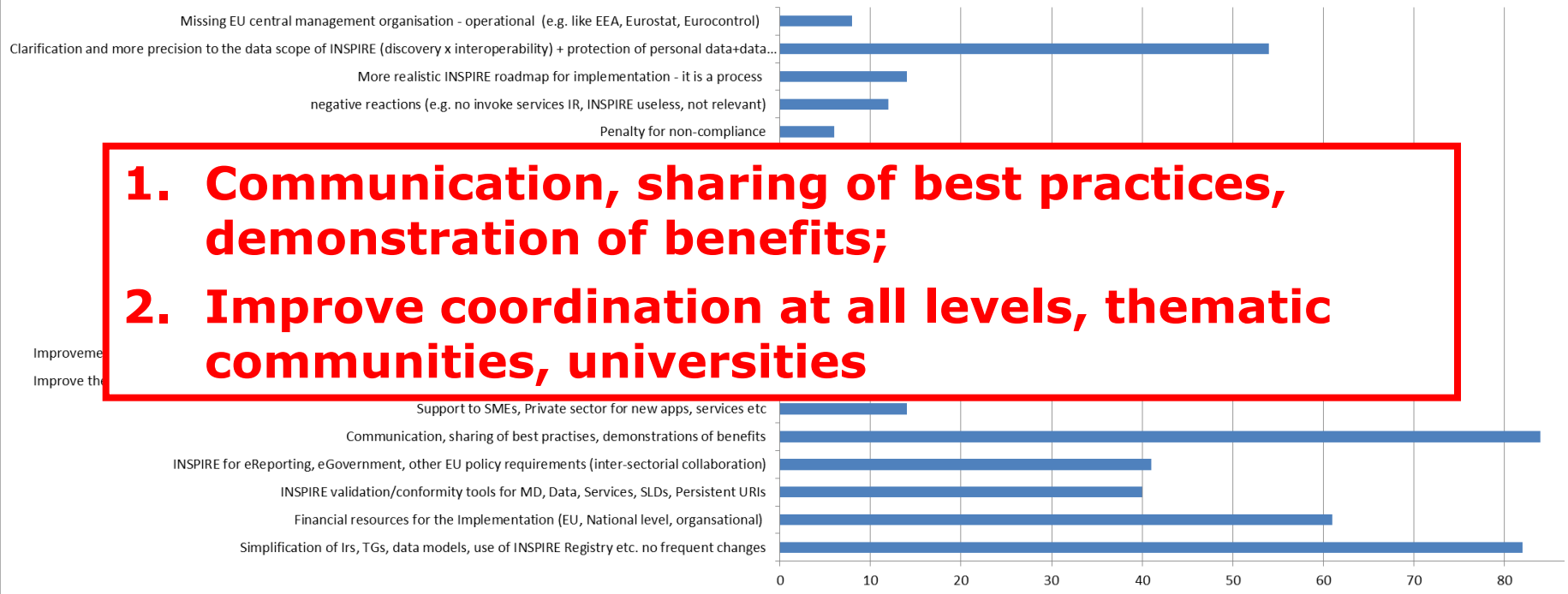


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INSPIRE mid-term evaluation public survey

Changes proposed

Statistics of the responses about changes proposed



- 1. Communication, sharing of best practices, demonstration of benefits;**
- 2. Improve coordination at all levels, thematic communities, universities**

Support to thematic communities in INSPIRE MIG Work Programme



Work Package 14

MIWP-14: Theme specific issues of data specifications & exchange of implementation experiences in thematic domains

Connections with:

MIWP-1: Improve accessibility and readability of TG

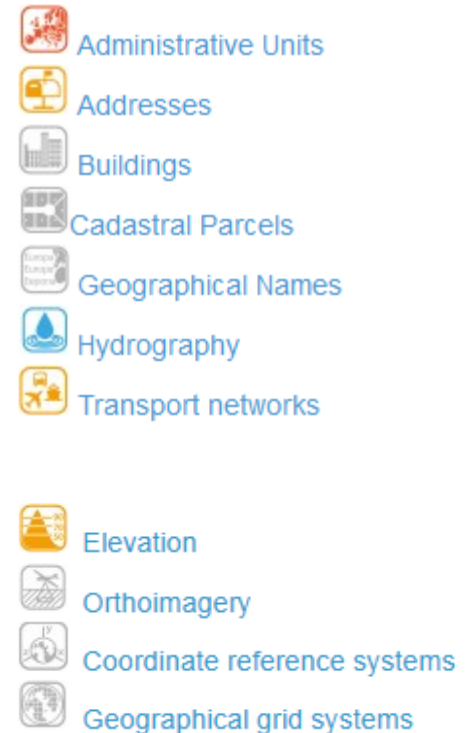
MIWP-2: Create and maintain FAQ page

MIWP-5: Validation and conformance testing

MIWP-21: Thematic pilots for INSPIRE-based applications (including for e-reporting)

Implementation of INSPIRE in thematic domains

- Many INSPIRE implementation issues are **theme-specific**:
 - Data scope
 - Extension of data models for specific purposes / applications
 - Spatial resolution; Level of detail / scale
 - Terminology (code lists)
 - Software and solutions utilized
- No agreed way for implementers in MS **to share their experience**
- No coherent **overview of the status** of the implementation for the different INSPIRE data themes



Exchange of implementation experiences in thematic domains

Action proposed:

- **Build communities of INSPIRE implementers** in the EU as well as in MSs around **clusters of themes**
- **Create an on-line platform** for sharing experiences and for discussing implementation issues and approaches
- **Address already identified issues** on data specifications of Annex I, II and III **and propose** (if relevant) **concrete change proposals to the INSPIRE MIG**

Exchange of implementation experiences in thematic domains

Objectives:

- **Support successful implementation** (e.g. developed applications) of INSPIRE by MSs or thematic communities in order to **demonstrate its benefits**
- **To seek/agree on common “harmonised” implementation solutions**
 - Tools
 - Options in the Technical Guidance
 - extensions or
 - value-added applications

New on-line collaboration platform INSPIRE Thematic Clusters

Background:

- **INSPIRE Forum**

"Connecting people and sharing knowledge"

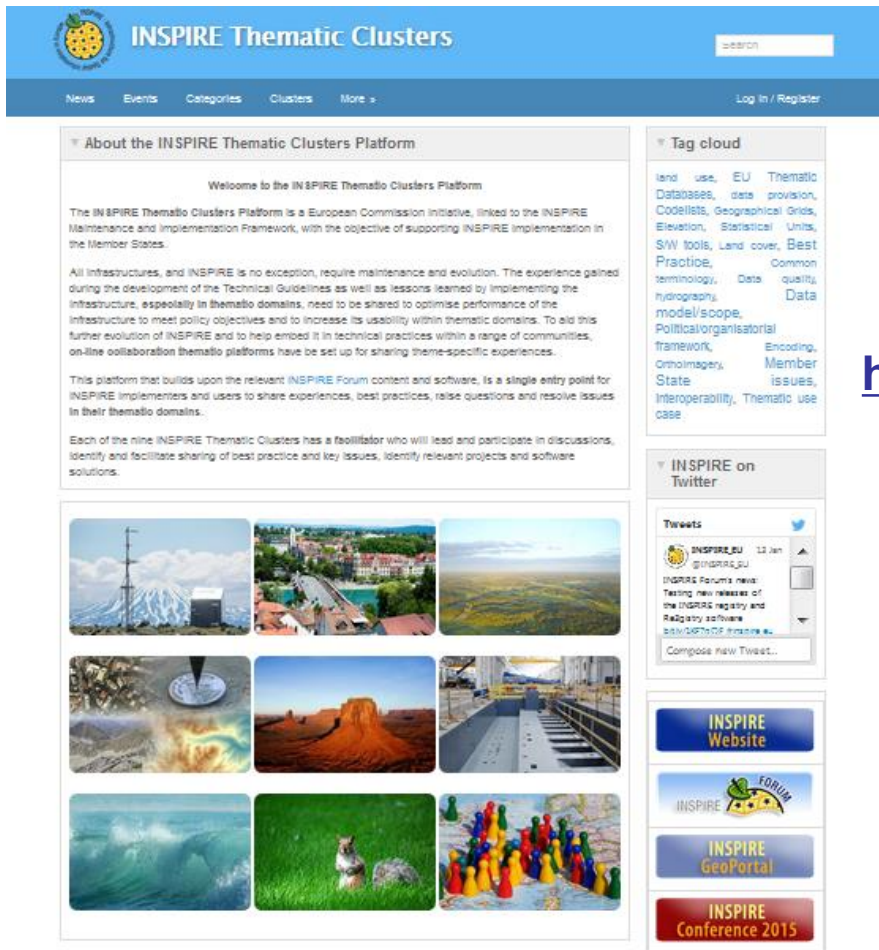
<http://inspire-forum.jrc.ec.europa.eu/>

New objectives and requirements:

- **Re-launch activity / participation**
- **Concentrate efforts in helping Member States and Stakeholders in the implementation of INSPIRE**
- **Establish a common point of contact to solve thematic issues**



New on-line collaboration platform INSPIRE Thematic Clusters



The screenshot shows the website header with the logo and navigation menu. The main content area includes an 'About the INSPIRE Thematic Clusters Platform' section with introductory text, a 'Tag cloud' with various technical terms, and a 'Twitter' section with a tweet from @INSPIRE_EU. At the bottom, there are buttons for 'INSPIRE Website', 'INSPIRE GeoPortal', and 'INSPIRE Conference 2015'.

INSPIRE NEWS
<http://inspire.ec.europa.eu/index.cfm/newsid/11721>

Thematic Clusters
<https://themes.jrc.ec.europa.eu/>

INSPIRE – Thematic Clusters Facilitators

Tasks:

- Facilitate communication / **exchange of implementation** progress, common decisions, priorities, roadmaps
- Identify and **maintain a network of thematic experts** (knowledge base)
- Identify and **share results** of relevant EU/national projects, initiatives and operational implementations (SW tools, methodology, Use cases etc.)

P	ID	Title	Type	Timing
1	D1	State of play in a thematic domain/cluster	On-line platform content	M3
1	D2	Report on the use of the on-line platform	Report	M5
2	D3	Formalised proposals for the update of the Technical Guidelines	On-line platform content	M7-12
2	D4	Final Progress report of the activity	Document	M12



#	Cluster Name	Facilitator	INSPIRE Themes	Theme Abbreviations
1	Earth Science Cluster	Tim DUFFY (EuroGeoSurveys)	Geology, Soil, Natural Risk Zones, Mineral resources, Energy resources	(GS-SO-NZ-MR-ER)
2	Land Cover and Land Use Cluster	Lena HALLIN-PIHLATIE (FI)	Land Use, Land Cover	(LU-LC)
3	Elevation, Orthoimagery, Reference Systems, Geographical Grids Cluster	Jordi ESCRIU (ES)	Elevation, Orthoimagery, Coordinate Reference Systems, Geographical Grid	(EL-OI-RS-GG)
4	Environmental Monitoring and Observations Cluster	Alessandro SARRETTA (IT)	Environmental Monitoring Facilities, Observations and Measurements	(EF-OM)
8	Biodiversity and Management Areas Cluster	Brian Mac Sharry (UNEP-WCMC)	Protected Sites, Area Management/Restriction/Regulation Zones and Reporting Units, Habitats and Biotopes, Species Distribution, Bio-geographical Regions	(PS-BR-HB-SD-AM)
4	Facilities, Utilities and Public Services Cluster	Angel LOPEZ ALOS (ES)	Facilities, Utilities and Public Services	(PF, AF, US)
6	Topographic and Cadastral Reference Data	Anja HOPFSTOCK (DE)	Hydrography, Geographical Names, Administrative Units, Cadastral Parcels, Addresses, Buildings, Transport Networks	(HY-GN-AU-CP-AD-BU-TN)
7	Marine and Atmosphere Cluster	Keiran MILLARD (UK)	Oceanographic Geographical Features, Sea Regions, Atmospheric Conditions and Meteorological Geographical Features	(OF, SR, AC, MF)
8	Statistical Cluster	Miroslaw MIGACZ (PL)	Statistical Units, Population Distribution, Human Health and Safety Statistical Units, Population Distribution, Human Health and Safety	(SU-PD-HH)

On-line platform initial resources

Experts to involve:

- Producers, users, domain experts
- EC ISA, Copernicus ... Communities
- EU, **National** project members
- EU umbrella organization: EuroGeographics, EuroGeoSurvey, EEA, ...
- OGC/ISO/CEN thematic WGs
- EC **Thematic EGs** (WFD, FD ...)
- JRC **thematic pilots** contacts (e.g. Human Health)
- INSPIRE MS CPs, SDICs/LMOs
- SMES INSPIRE
- SW vendors, open source communities
- Platform registration -> ECAS single login is used

On-line platform initial resources

Content to evaluate:

- INSPIRE relevant TG Documents (esp. annexes, additional documentation)
- INSPIRE Forum Groups
- **EU projects**
- EU related knowledge sharing groups (KEN)
- INSPIRE website (INSPIRE conferences ...)
- Are3na Joinup (SW Tools)
- **INSPIRE Monitoring and Reporting**
- **INSPIRE pilots**
- Social media groups (LinkedIn)

On-line platform – Your Forum

Your active participation:

- Best practice examples (successful implementations)
- Issues and obstacles for successful implementation
- Existing validation rules for INSPIRE (schematron files)
- Projects: national and European
- **E-reporting requirements**
- **INSPIRE pilots**

On-line platform – Your Forum

Your active participation:

- Is there a discussion forum in your country?
- What are your expectation from the thematic clusters?
- Are there any obstacles in participating in the collaboration platform?

Next activities

- **EuroGeographics INSPIRE KEN**



EuroGeographics

- **06.03.2015 – Today's webinar**

Introduction to the INSPIRE Thematic Clusters for Topographic and Cadastral Reference Data

TC#3 (EL-OI-RS-GG) and **TC#6** (HY-GN-AU-CP-AD-BU-TN)

- **16-17.04.2015 - Prague**

Workshop about transformation of themes AD-AU-CP-BU-GN

Registration

<http://www.eurogeographics.org/event/inspire-ken-workshop-16-and-17-april-2015>

- **09/10.2015 - Barcelona**

Workshop about transformation of themes EL-OI (raster data)

Next activities

- **INSPIRE Conference Workshop**



"Supporting INSPIRE implementation: the Thematic Clusters for topographic and cadastral reference data"

- **Audience**

- any producer of INSPIRE themes
- any existing or potential user

- **Discussion of implementation issues**

- Management of PID and temporal aspects
- Extensions to INSPIRE
- Concept and encoding of coverages / WCS
- Selection of use cases

Message

1. To keep up the “momentum” – participatory, open process from the development of the IRs, TGs also for the INSPIRE implementation phase
2. To share best practices about implementing / utilizing INSPIRE in the thematic domains

Help INSPIRE to meet “our objectives”

Share this information with your colleagues that may be interested!

Thank you for your attention!

Jordi Escriu
ICGC

jordi.escriu@icgc.cat

Facilitator Thematic Cluster #3

Dr. Anja Hopfstock
BKG

anja.hopfstock@bkg.bund.de

Facilitator Thematic Cluster #6

