



# INSPIRE Thematic Clusters

*Engaging thematic communities in the INSPIRE maintenance and implementation process*

Jordi Escriu

*Facilitator INSPIRE Thematic Cluster #3*

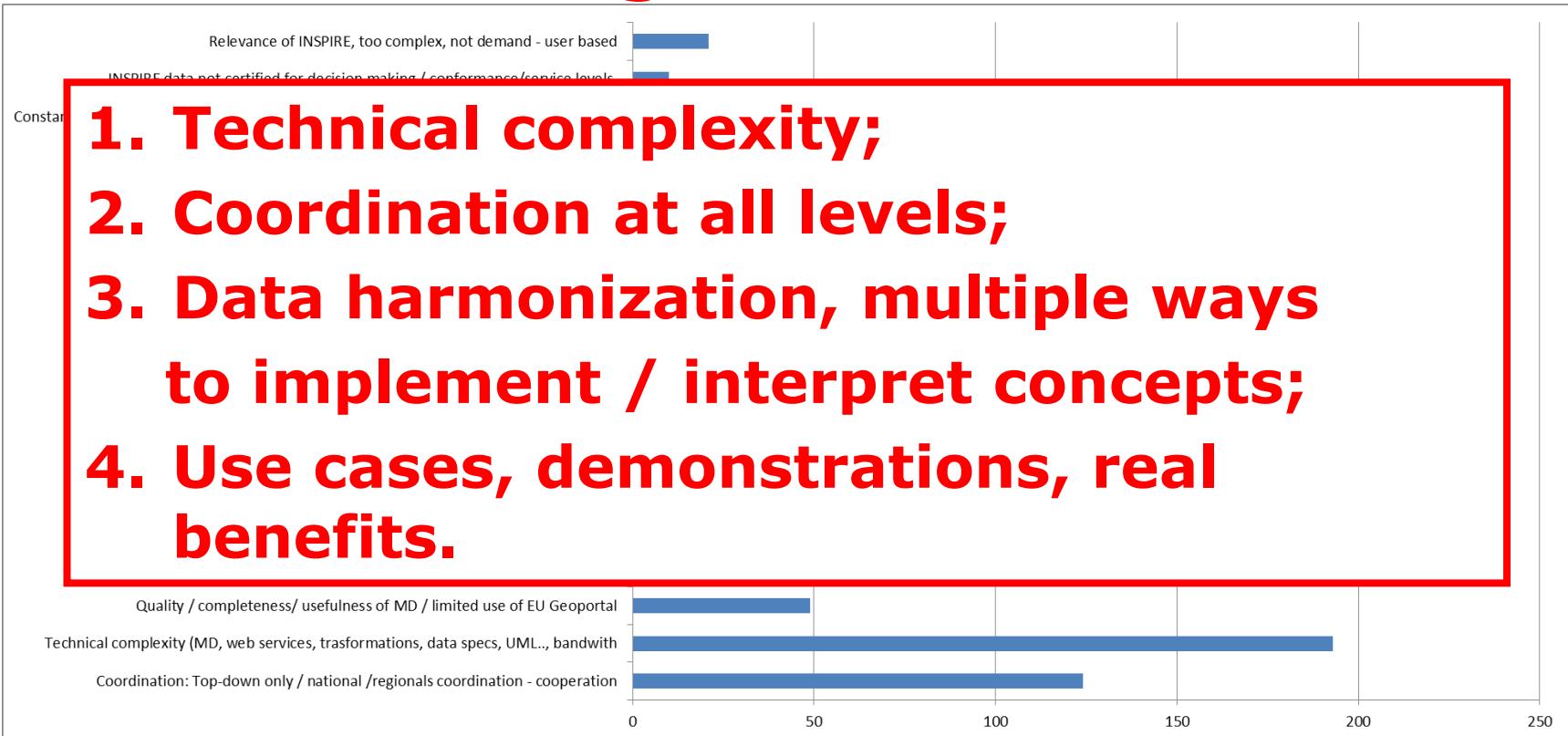


[www.jrc.ec.europa.eu](http://www.jrc.ec.europa.eu)

*Serving society  
Stimulating innovation  
Supporting legislation*

# INSPIRE mid-term evaluation public survey

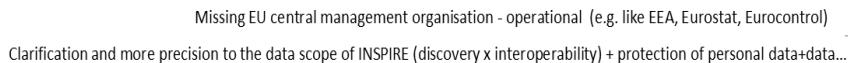
## Challenges encountered



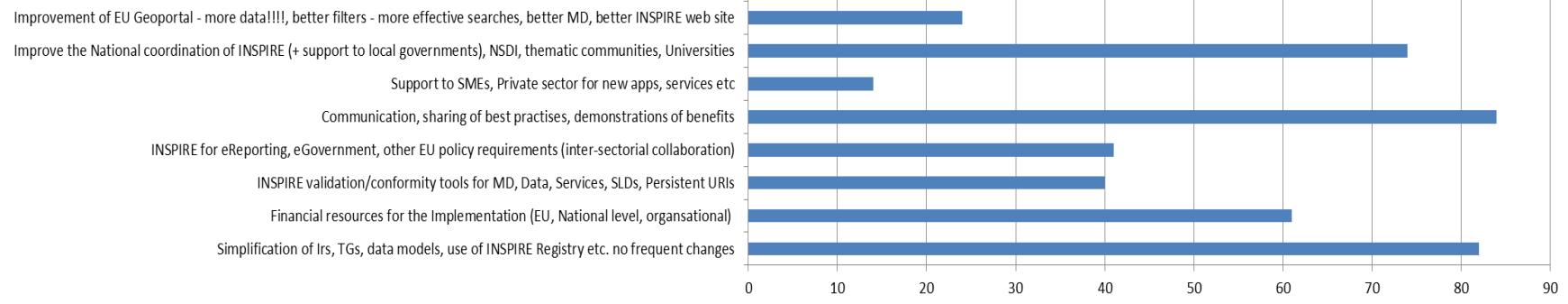
# INSPIRE mid-term evaluation public survey

## 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**



# 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.**

# 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**



The screenshot shows the homepage of the INSPIRE Forum. At the top, there's a banner with the word 'FORUM' and a stylized green leaf. Below the banner, the word 'INSPIRE' is written in large, bold, white letters. The main navigation bar includes links for 'INSPIRE', 'FORUM', 'GEOGRAPHICAL', 'NEWS', 'EVENTS', 'GROUPS', and 'CONFERENCE'. The 'NEWS' section features a large image of a flag. The 'EVENTS' section shows a list of upcoming events, including 'INSPIRE Conference 2014' and 'Annual INSPIRE Conference 2014'. The 'GROUPS' section shows a grid of group icons. The 'FORUM' section shows a list of recent discussions, such as 'Group INSPIRE Metadata and XML schema related issues' and 'FOSS4G-Europe 2014'. The 'INSPIRE forum groups' section shows a list of groups like 'INSPIRE Data Specifications Special Interest Group' and 'INSPIRE Training Material'.

# New on-line collaboration platform INSPIRE Thematic Clusters



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

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



The screenshot shows a grid of nine images representing different thematic clusters: a wind turbine, a bridge over water, a landscape, a compass rose, a canyon, a modern building, a wave, a squirrel, and a group of colorful 3D models. To the right is a Twitter sidebar with a tweet from 'INSPIRE\_EU' (@inspire\_eu) dated 12 Jan. Below the sidebar is a 'Tweets' section with a 'Compose new Tweet...' button. At the bottom right are four buttons: 'INSPIRE Website' (blue), 'INSPIRE FORUM' (blue with a yellow icon), 'INSPIRE GeoPortal' (blue), and 'INSPIRE Conference 2015' (red).



# INSPIRE – Thematic Clusters

## Facilitators

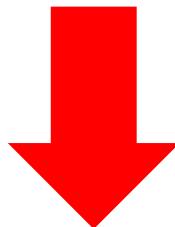
### Tasks:

- 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.)

# Thematic Clusters Facilitators

1. Geology, Soil, Natural Risk Zones, Mineral resources, Energy resources: **Tim Duffy** (EuroGeoSurveys)
2. Land Use, Land Cover: **Lena Hallin-Pihlatie** (FI)
3. Elevation, Orthoimagery, Geographical Grids, Reference Systems: **Jorge Escriu** (ES)
4. Environmental Monitoring Facilities, Observations and Measurements: **Alessandro Sarretta** (IT)
5. Agricultural and Aquaculture Facilities, Production and Industrial Facilities, Utility and Governmental Services: **Angel Lopez Alós** (ES)
6. Geographical Names, Administrative Units, Cadastral Parcels, Addresses, Buildings, Transport Networks, Hydrography: **Anja Hopfstock** (DE)
7. Oceanographic Features, Sea Regions, Atmospheric Conditions and Meteorological Geographical Features: **Keiran Millard** (UK)
8. Protected Sites, Area Management/Restriction/Regulation Zones and Reporting Units, Habitats and Biotopes, Species Distribution, Biogeographical Regions: **Brian Mac Sharry** (IR)
9. Statistical Units, Population Distribution, Human Health and Safety: **Miroslaw Migacz** (PL)

# 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)**



# TC Facilitators Kick-off meeting (Ispra) 13-14.10.2014

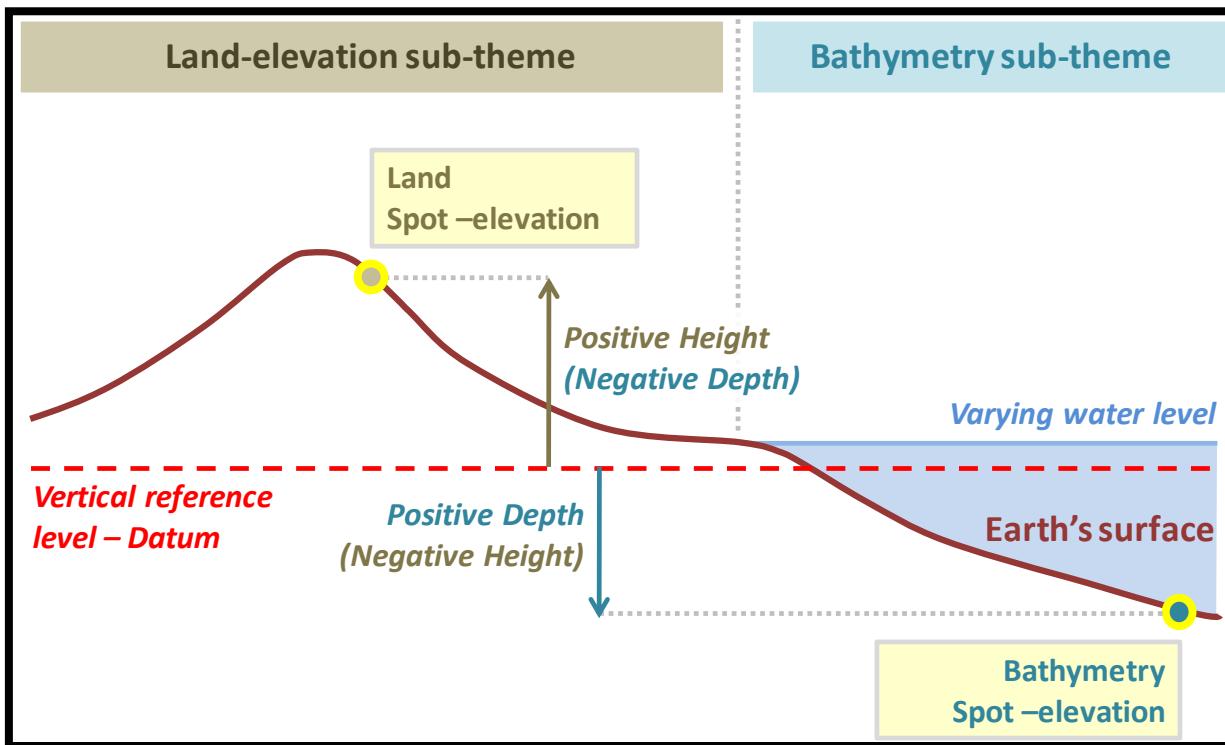
- Cross-cluster coordination.
- Establish a common structure for the collaboration platform.
- Establish criteria for communication.
- Work plan for the first 2 months
- Resources to be used:
  - Experts
  - Contents
- Avoiding duplication of existing activities.

# Cluster 3 – EL, OI, RS, GG

Elevation, Orthoimagery, Reference systems, Geographical grids

## Content

- **EL** - Data + Requirements + Recommendations

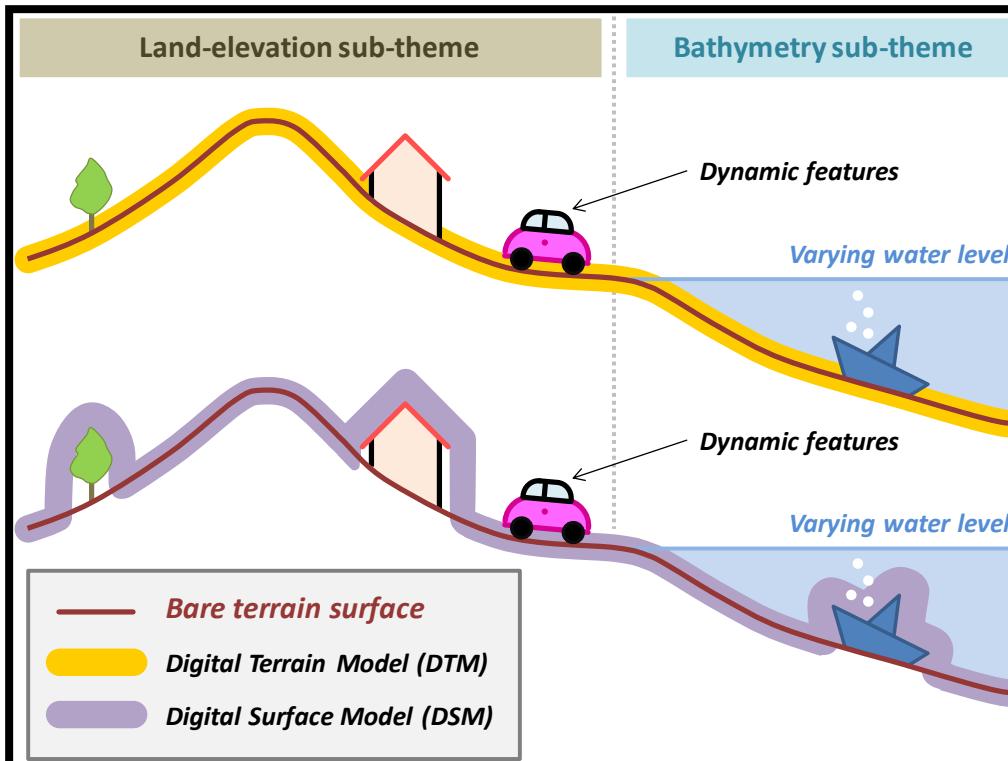


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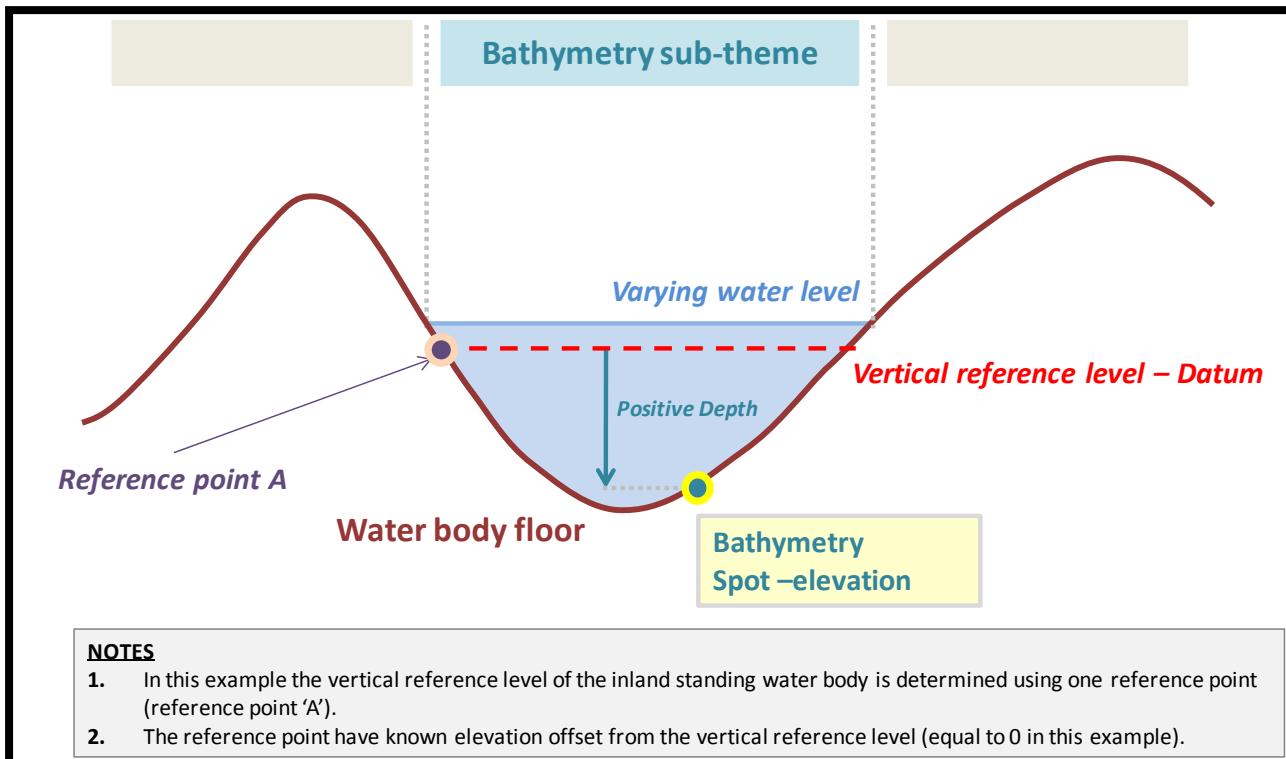


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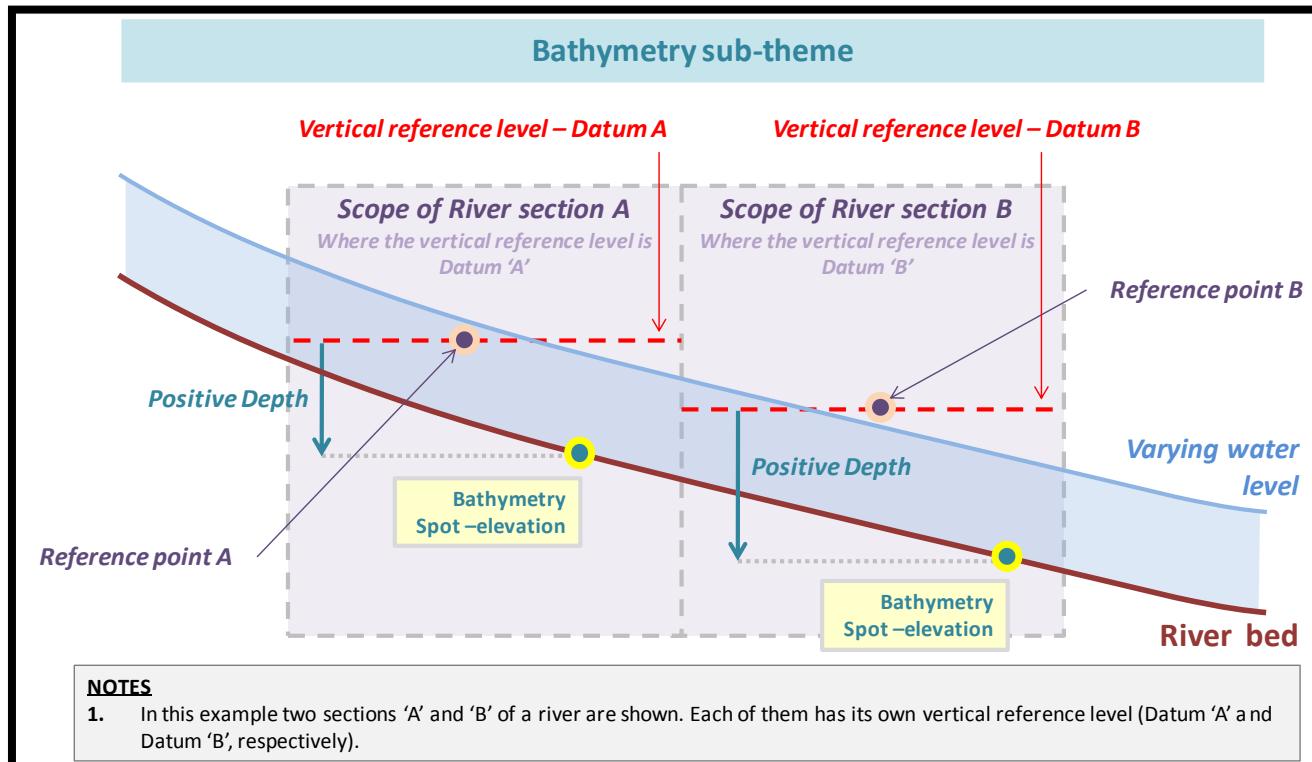


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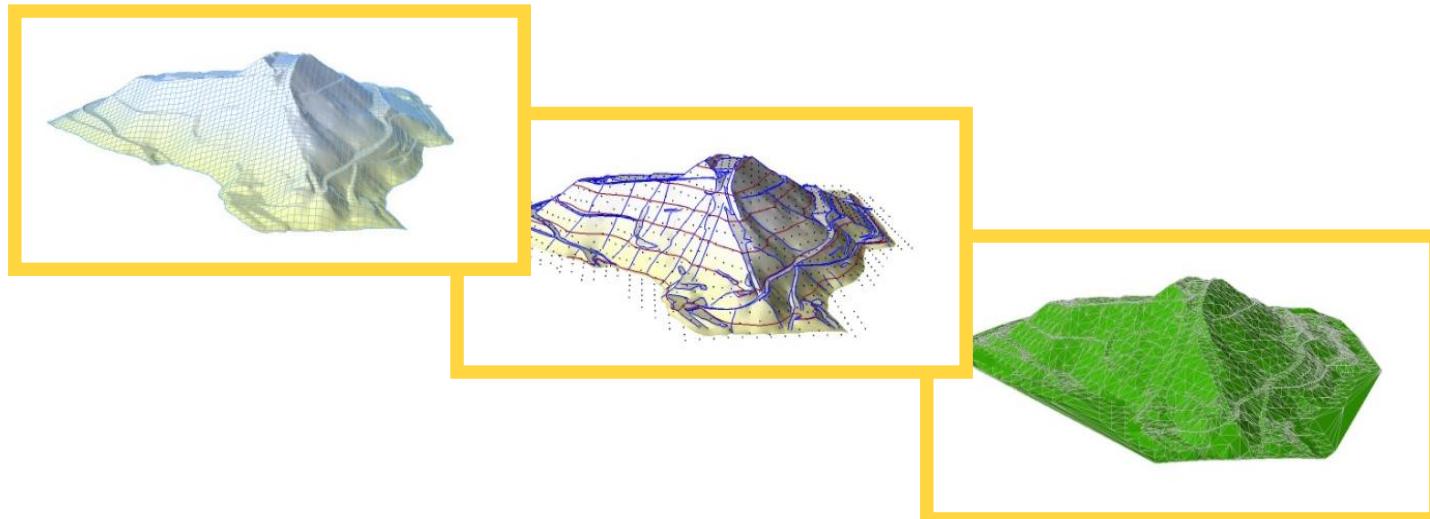


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# Cluster 3 – EL, OI, RS, GG

Elevation, Orthoimagery, Reference systems, Geographical grids

## Content

- **OI** - Data + Requirements + Recommendations

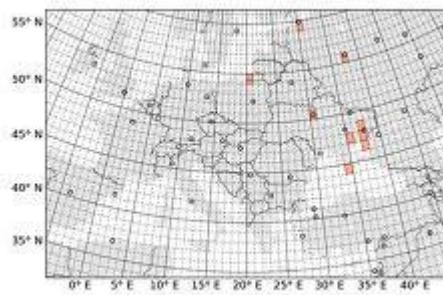
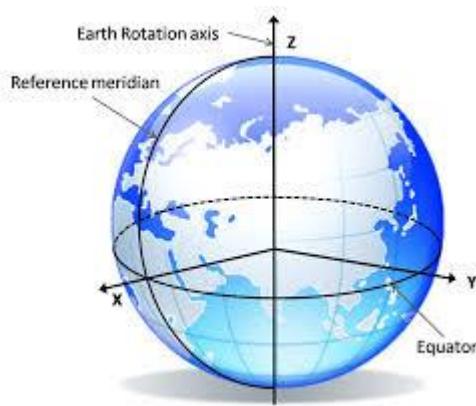


# Cluster 3 – EL, OI, RS, GG

Elevation, Orthoimagery, Reference systems, Geographical grids

## Content

- **RS, GG** - Requirements + Recommendations



**ETRS89 - EVRS**

**MAP  
PROJECTIONS**

**GEOGRAPHICAL  
GRIDS**

# Cluster 3 – EL, OI, RS, GG

Elevation, Orthoimagery, Reference systems, Geographical grids

## Actors

- **EL, OI**



- **Production** – Mapping agencies

- **Uses / Applications** – Wide range of users

European Environment Agency



- **RS, GG**

- **Establishment / Management**

- Mapping agencies / Global coordination bodies

**CRSEU**

Coordinate Reference Systems  
in Europe



# Message

## ***Engaging our Mapping and Cadastral Agencies:***

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

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**Facilitator Thematic Cluster 3**



25 – 29 MAY 2015, LISBON, PORTUGAL