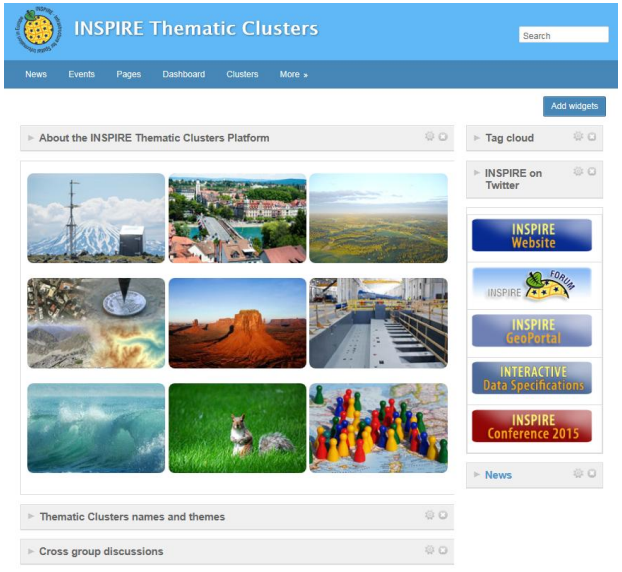
INSPIRE Thematic Clusters
- building communities to support INSPIRE implementation

Robert Tomas,
INSPIRE Thematic clusters coordinator
EC&EEA INSPIRE CT Team

INSPIRE-GWF Conference, Lisbon 25-29.5.2015



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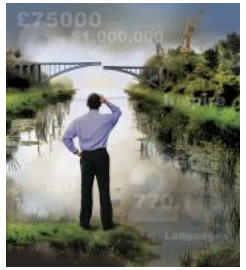
Content

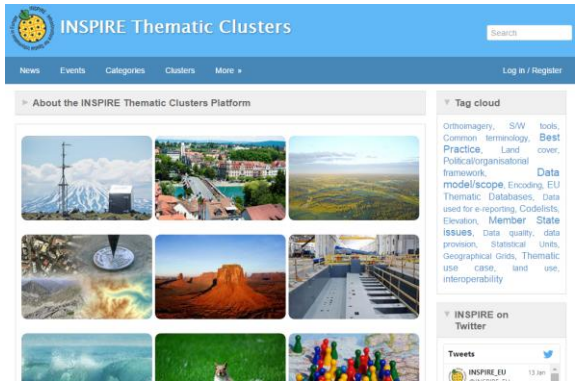
- INSPIRE Thematic clusters – State of Play
- INSPIRE Interactive Data specifications Toolkit
- Workflow for proposing additions/changes to Technical Guidelines



INSPIRE Thematic Clusters Platform

- EC initiative, linked to the INSPIRE Maintenance and Implementation Framework, with the **objective** of **supporting INSPIRE implementation in the Member States.**
- **Officially launched on 11.12. 2014** as the INSPIRE Thematic user community **collaborative platform**

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



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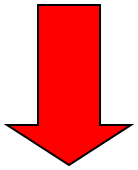
Why INSPIRE Thematic Clusters Platform

- Many INSPIRE implementation issues are **theme-specific - need for harmonised approach.**
- No agreed way for implementers in MS **to share their experience – continuation of the INSPIRE Thematic WGs.**
- No coherent **overview of the status** of the implementation for the different INSPIRE data themes – **best practices**.
- **Reflection** of the outcomes of the **INSPIRE MID-Term Evaluation Public Survey.**



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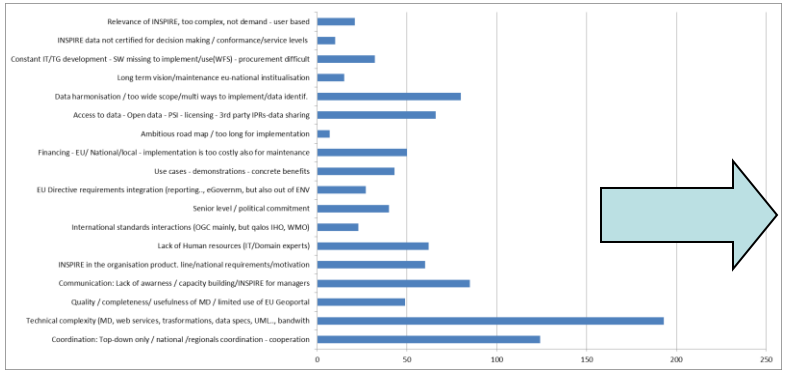
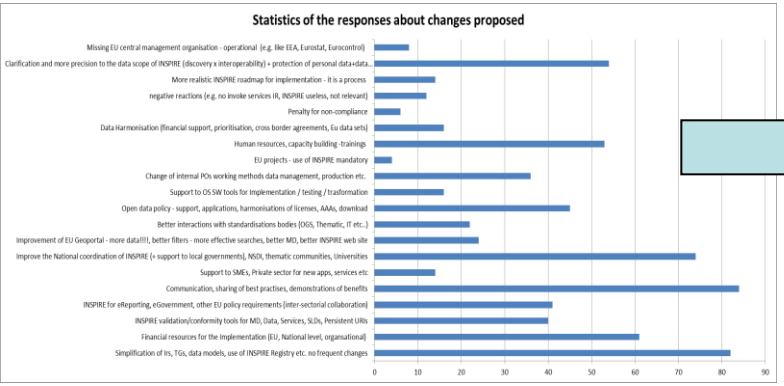
INSPIRE mid-term evaluation public survey

challenges encountered



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

changes proposed



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

Link: http://inspire.ec.europa.eu/reports/consultations/INSPIRE_Public_Consultation_Report_final.pdf

Exchange of implementation experiences in thematic domains

Proposed actions:

- **To build communities of INSPIRE implementers** in the EU as well as in MSs around **clusters of themes**
- To create an **on-line platform** (e.g. a re-designed INSPIRE forum) for **sharing experiences and for discussing implementation issues and approaches**.

INSPIRE Thematic clusters platform

Consist of **9 Thematic clusters = Groups of INPSIRE data themes each is** led by selected facilitator (domain experts with INSPIRE knowledge + established network of contacts)

- Statistical & Human Health Cluster – ***Miroslaw Migacz***
- Marine & Atmosphere Cluster – ***Keiran Millard***
- Earth Science Cluster – ***Tim Duffy***
- Land Cover & Land Use Cluster – ***Lena Hallin-Pihlatie***
- Elevation, Orthoimagery, Reference System & Geographical Grid – ***Jordi Escriu***
- Environmental Monitoring & Observations Cluster – ***Alessandro Sarretta***
- Biodiversity & Management Areas Cluster – ***Brian Mac Sharry***
- Facilities, Utilities & Public Services Cluster – ***Angel Lopez Alos***
- Topographic & Cadastral Data Cluster – ***Anja Hopfstock***

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

INSPIRE Thematic clusters platform
Connecting communities

The platform is open to all☺

- For active participation (discussions, adding new topics, best practice etc.) - **ECAS registration** needed + joining relevant groups / sub-groups.

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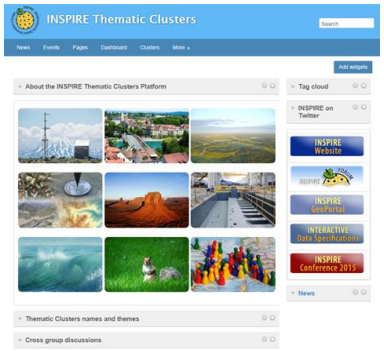
https://themes.jrc.ec.europa.eu

Thematic clusters platform statistics

20.5.2015

- 450 registered members
- 50 groups (groups + sub-groups)
- 234 discussion topics
- 467 responses
- 50 files uploaded
- 33 News items



Environmental Monitoring and Observations Cluster	Statistical and Human Health Cluster	Biodiversity and Management Areas Cluster	Topographic and Cadastral Reference Data	Land Cover and Land Use Cluster
56 members	**43**	**48**	**112**	**84**

Elevation, Orthoimagery, Reference Systems, Geographical Grids	Earth Science Cluster	Facilities, Utilities and Public Services Cluster	Marine and Atmosphere Cluster
64	**117**	**47**	**46**

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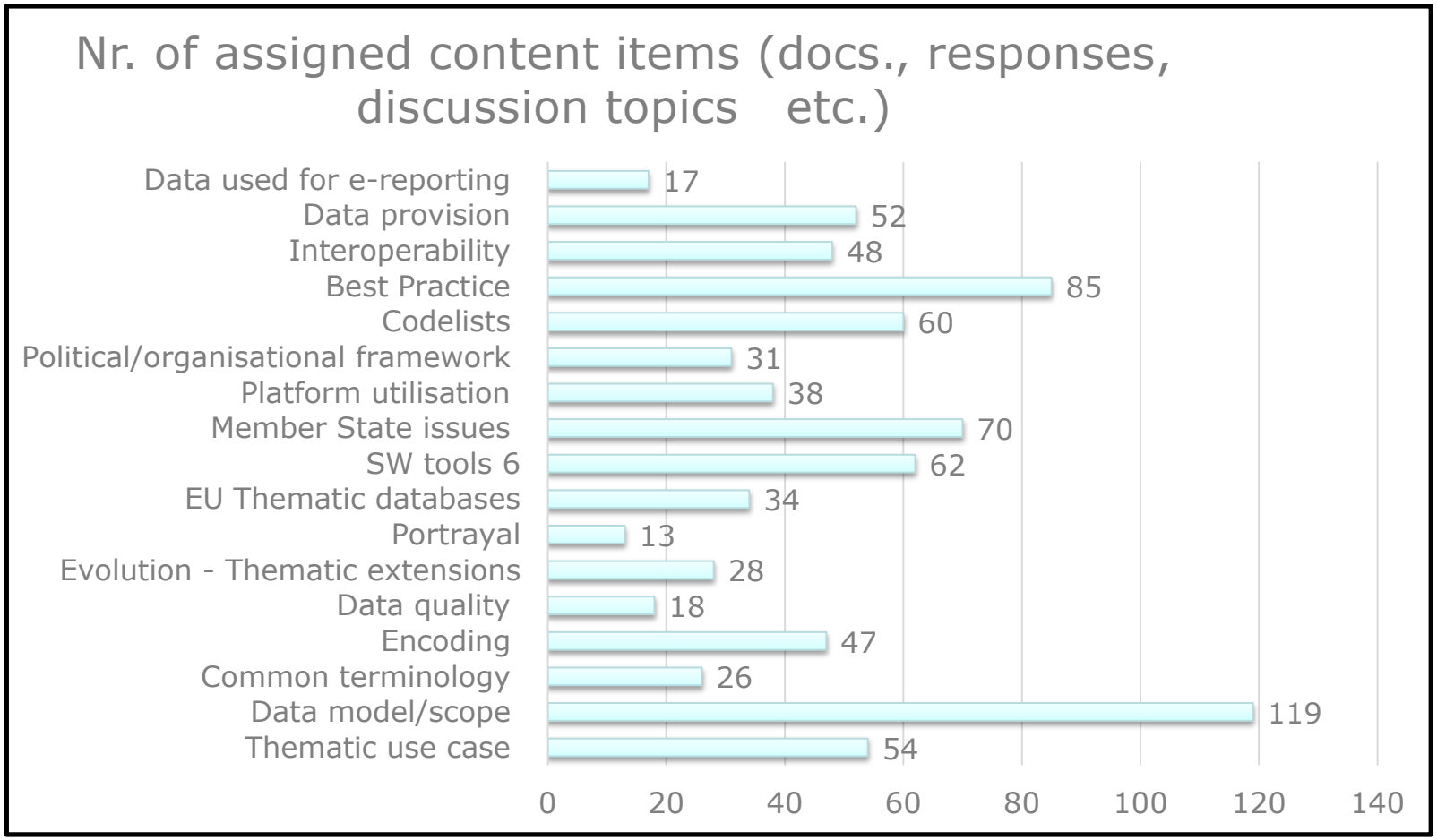
Thematic clusters platform statistics

20.5.2015



Thematic clusters platform

Selected on-going discussion topics

Environmental Monitoring and Observations Cluster

- SOS V2.0 Offerings
  https://themes.jrc.ec.europa.eu/discussion/view/29928/sos-v20-offerings

Statistical and Human Health Cluster

- Harmonizing population grid data into the INSPIRE data model
  (https://themes.jrc.ec.europa.eu/discussion/view/2166/harmonizing-population-grid-data-into-the-inspire-data-model)

Biodiversity and Management Areas Cluster

- PS data model regarding designations
  https://themes.jrc.ec.europa.eu/discussion/view/11598/ps-data-model-regarding-designations

Topographic and Cadastral Reference Data

- Update of the INSPIRE Network Model
  - Linear referencing (using length for network referencing)
  - Road link positions on road sequences
    (https://themes.jrc.ec.europa.eu/discussion/view/13413/update-of-the-inspire-network-model)

Thematic clusters platform

Selected on-going discussion topics

Land Cover and Land Use Cluster

- Is the Land Cover Class code list to be used or not? (https://themes.jrc.ec.europa.eu/discussion/view/27660/is-the-land-cover-class-code-list-to-be-used-or-not)

Elevation, Orthoimagery, Reference Systems, Geographical Grids

- How to encode EL & OI coverages? (https://themes.jrc.ec.europa.eu/discussion/view/2843/encoding-of-elevation-and-orthoimagery-coverages)

Earth Science Cluster

- Layer naming https://themes.jrc.ec.europa.eu/discussion/view/13952/layer-naming

Facilities, Utilities and Public Services Cluster

- INSPIRE in the context of PRTR/IED (Industrial Emissions Directive) (https://themes.jrc.ec.europa.eu/discussion/view/22502/inspire-in-the-context-of-prtried-industrial-emissions-directive)

Marine and Atmosphere Cluster

- OF Data specification – Use of Codelists https://themes.jrc.ec.europa.eu/discussion/view/24996/of-data-specification-use-of-codelists

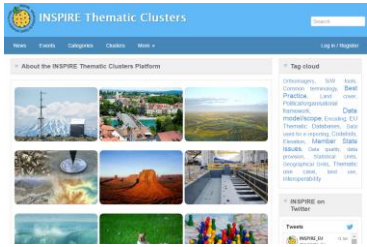
Thematic clusters facilitators - tasks
Initial phase (12.2014 – 05.2015)

Task 1: Aggregation and publishing of information about the state of the implementation in a thematic domain / cluster

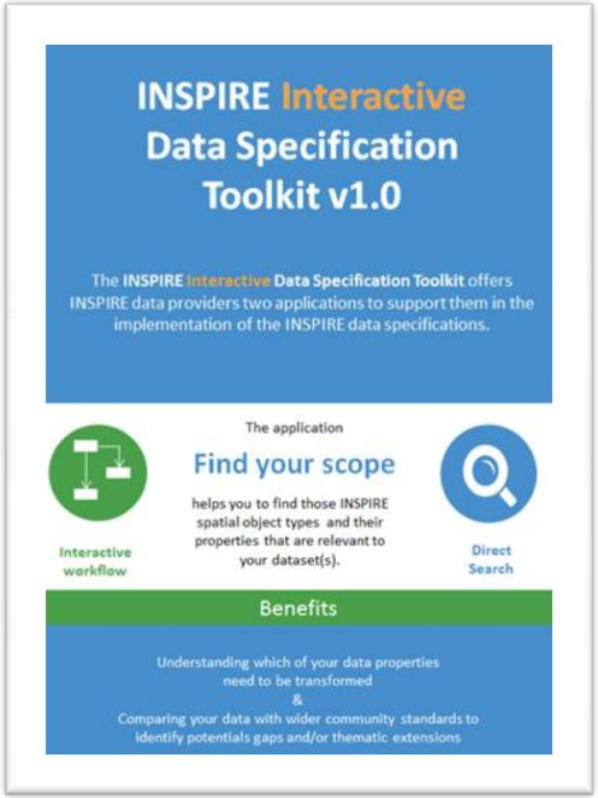
Task 2: Facilitate communication / exchange of implementation progress, priorities and roadmaps

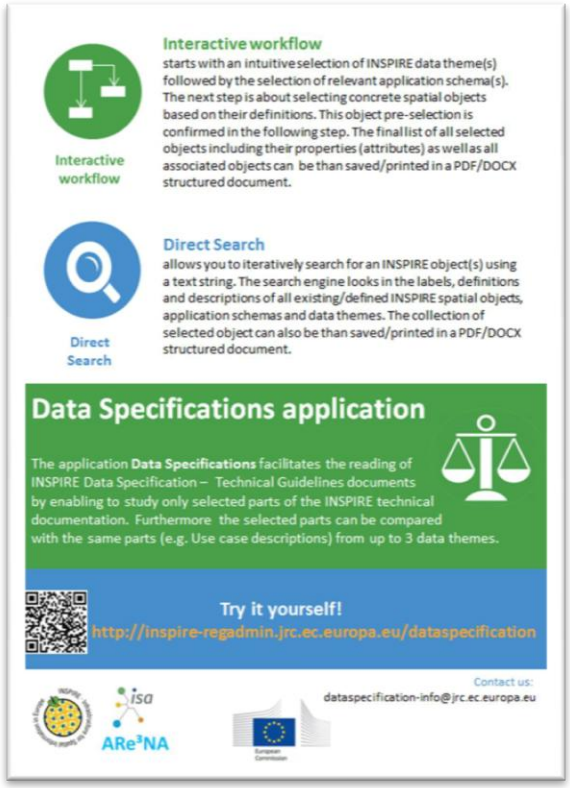
Task 3: Platform content maintenance and administration

Task 4: Active promotion of the on-line collaboration platform



INSPIRE Interactive Data Specification Toolkit



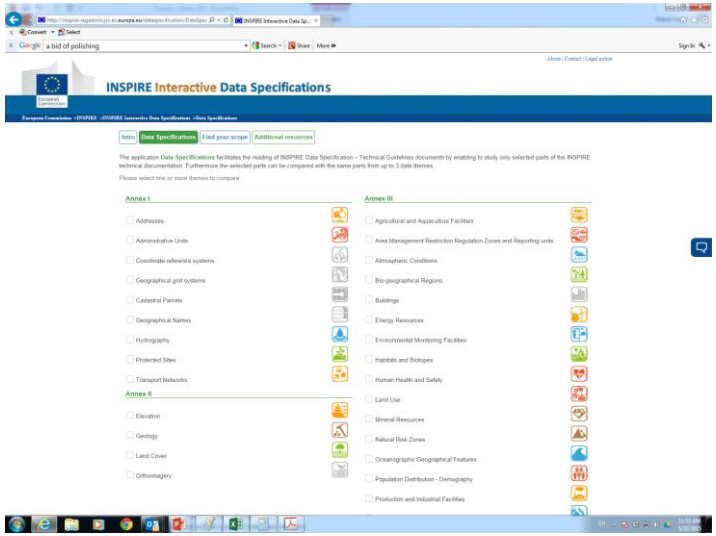


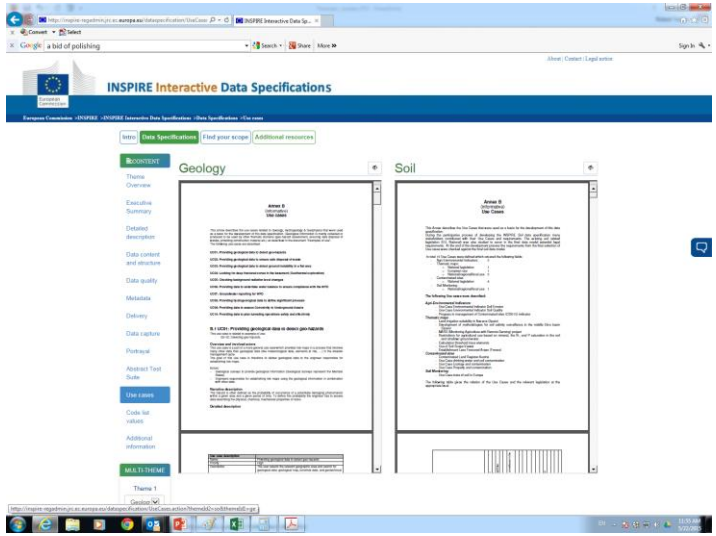
http://inspire-regadmin.jrc.ec.europa.eu/dataspecification/

INSPIRE Interactive Data Specification Toolkit

Data specification application: tool for helping reading and comparing INSPIRE data specification-Technical Guidelines documents

1. Select INSPIRE data theme(s) (up to three)
2. Select a TG section and study, compare etc. (e.g. Use cases)





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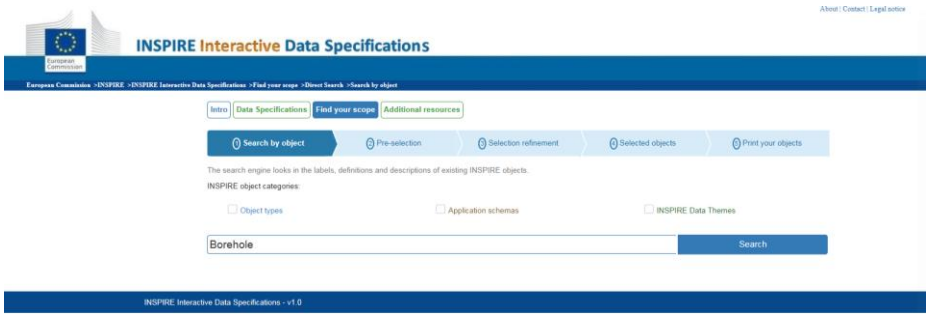
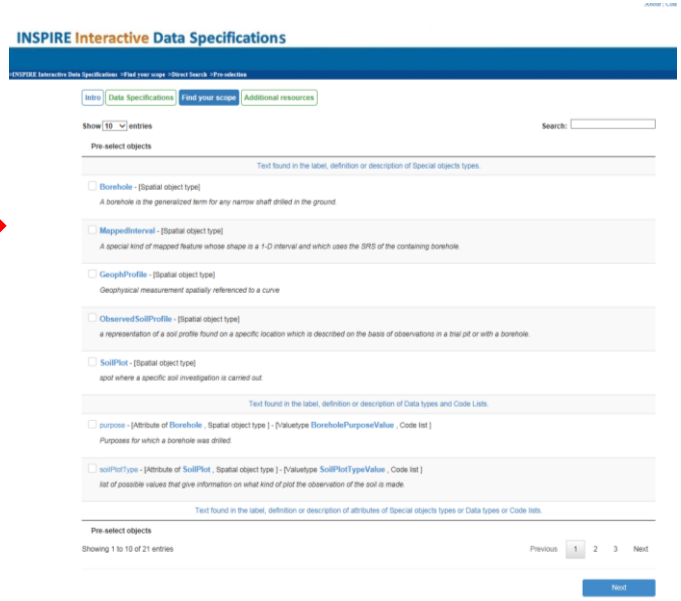
INSPIRE Interactive Data Specification Toolkit

Find your scope application: tool for helping finding those INSPIRE spatial object types and their properties that are relevant for you.

1. Direct search tool:



1. Search by object



2. Objects pre-selection

Direct search

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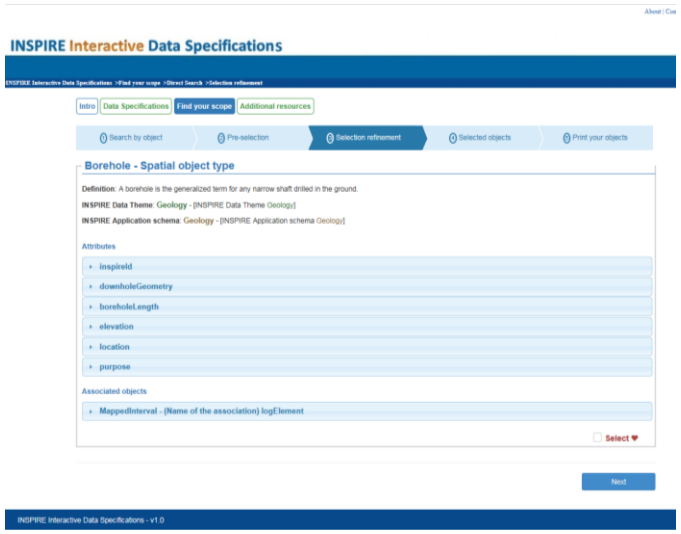
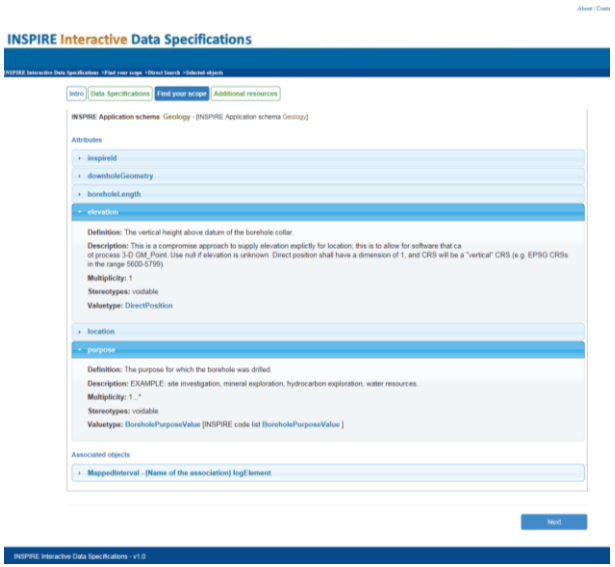
INSPIRE Interactive Data Specification Toolkit

Find your scope application: tool for helping finding those INSPIRE spatial object types and their properties that are relevant for you.





3. Objects selection refinement

4. Selected objects

Direct search

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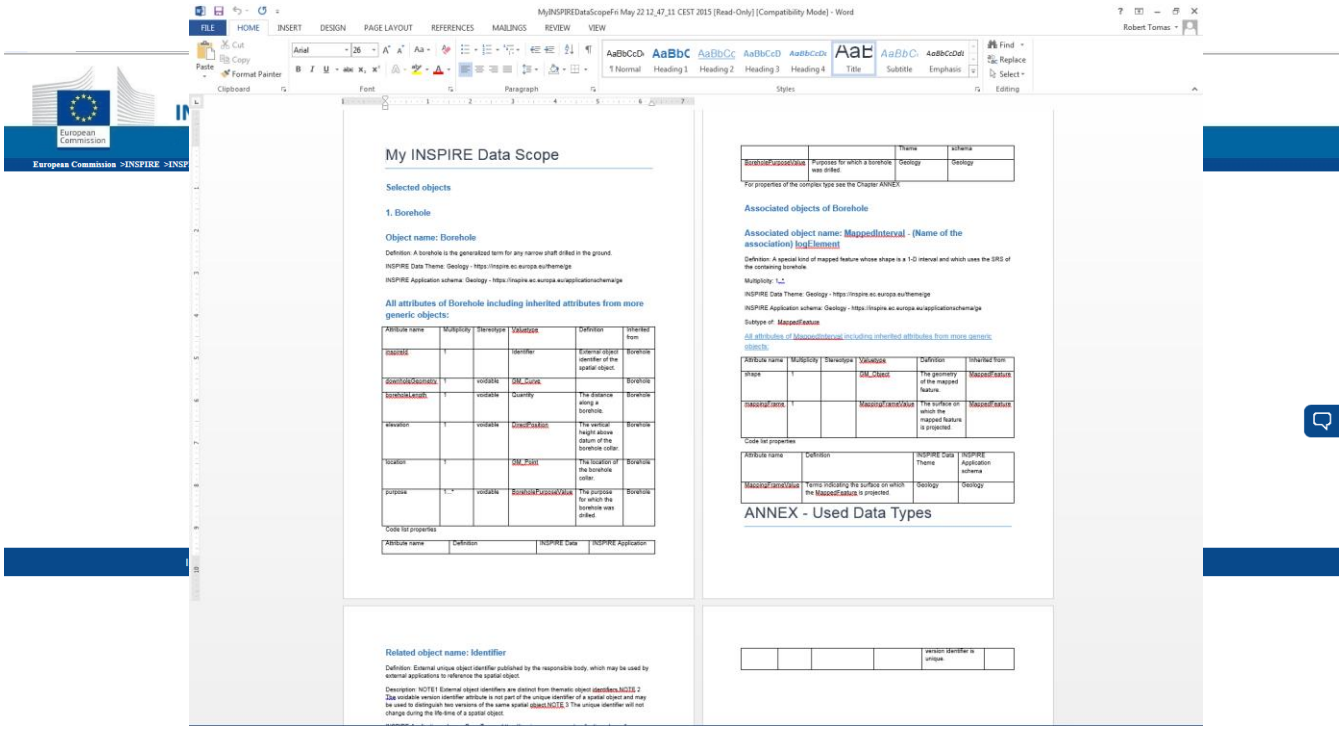
INSPIRE Interactive Data Specification Toolkit

Find your scope application: tool for helping finding those INSPIRE spatial object types and their properties that are relevant for you.



Direct search

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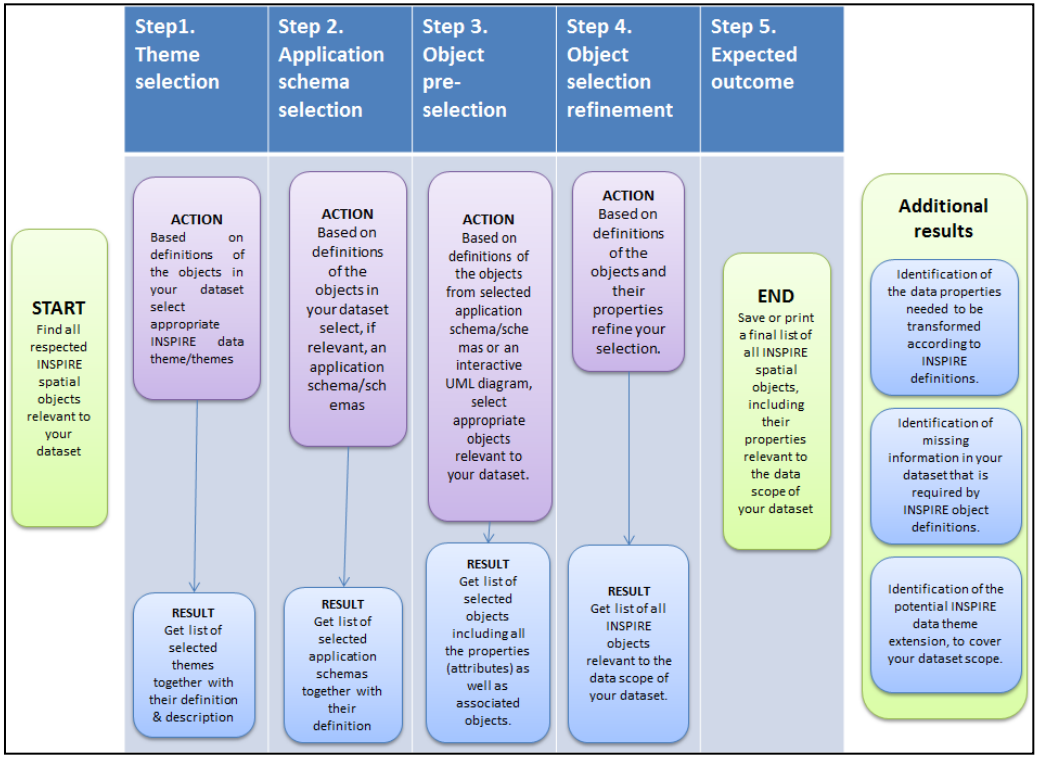
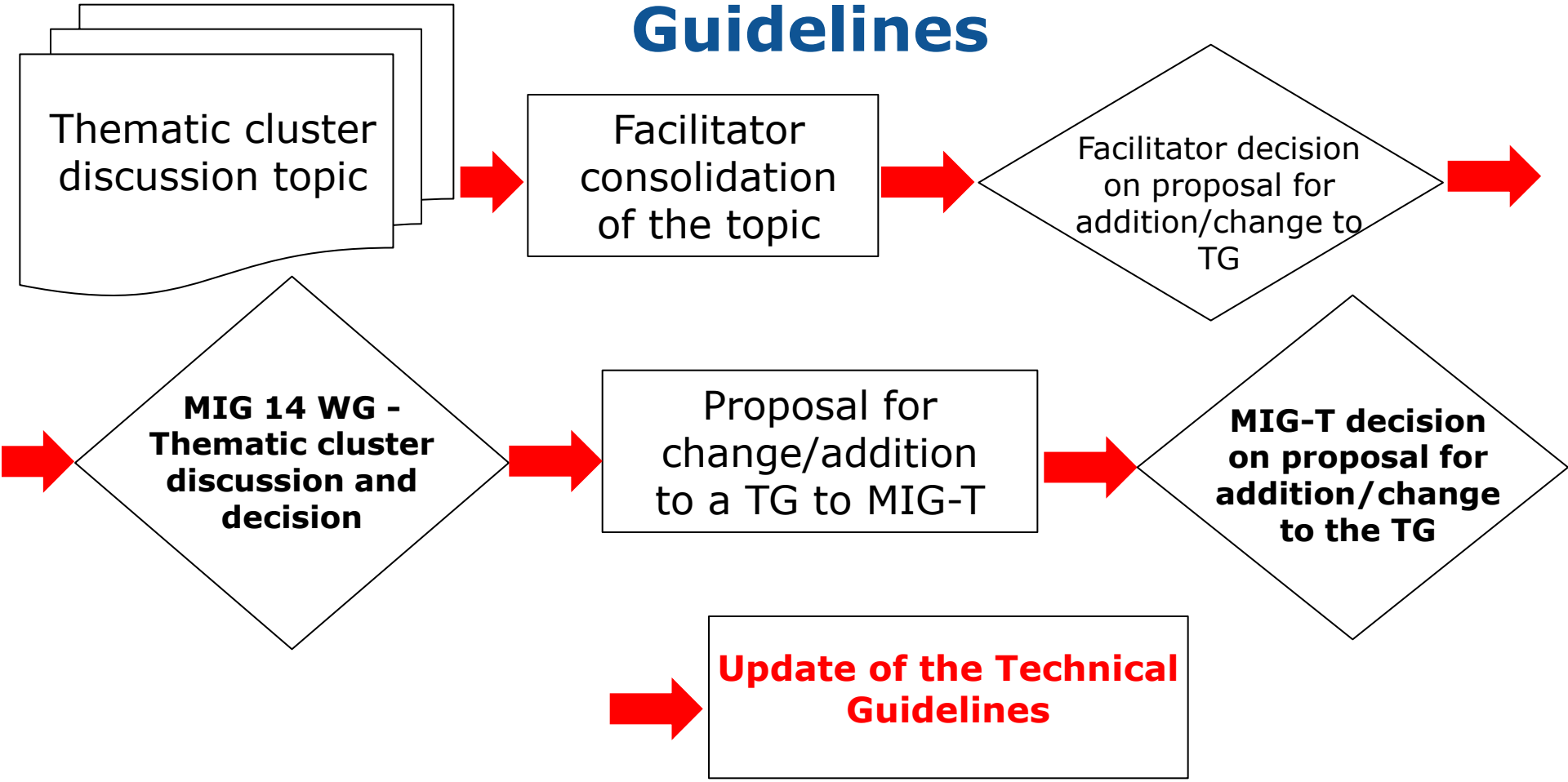
INSPIRE Interactive Data Specification Toolkit

Find your scope: Interactive workflow tool



Workflow for proposals for thematic additions/changes to the Technical Guidelines



In summary

Engaging INSPIRE thematic communities is to:

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

To help INSPIRE to deliver "our" objectives

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Want to know more?

☺Join the platform☺

Come to visit us at the INSPIRE stand

Lunch talks at the exhibition area:

- **Tue: 14-15:INSPIRE Forum 2.0–knowledge base, Are3na**
- **Wed: 14-15:Thematic clusters presentations:**

Topo & Cadastral, Elevation & Orthoimagery, Land use & cover, Env. monitoring & Management areas, Statistical & Human Health

- **Thu:12.30-13.30:Thematic clusters presentation:**

Biodiversity, Facilities & Utilities, Earth Science, Marine & Atmosphere

Dedicated Thematic clusters workshops:

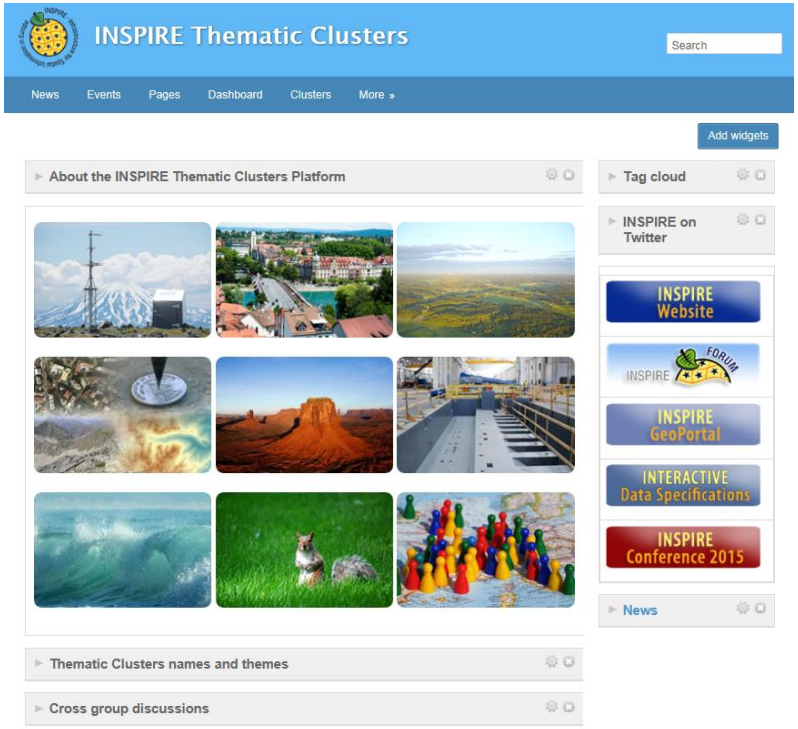
- Thursday: 9.00 – 12.30 – Land Cover & Land Use
- Thursday: 13.30 – 15.00 – Topographic & Cadastral Data
- Friday: 9.00 – 10.30 – INSPIRE Measurement data

Mini-drone!! We value your inputs…

Thank you for your attention.

robert.tomas@jrc.ec.europa.eu

Questions?



GEOSPATIAL WORLD FORUM

25 – 29 MAY 2015, LISBON, PORTUGAL

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