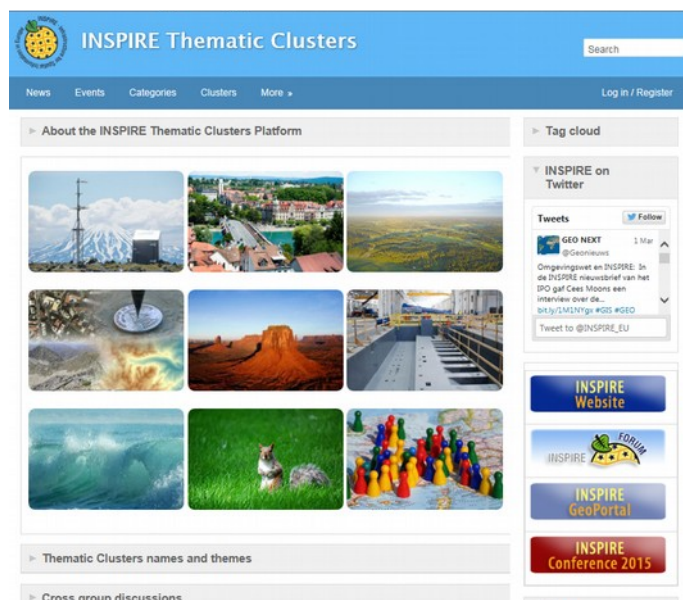# INSPIRE Thematic Clusters

Regione Emilia Romagna – 13 Ottobre 2015

Alessandro Sarretta
facilitator EF-OM
(alessandro.sarretta@ismar.cnr.it)

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*Serving society
Stimulating innovation
    Supporting legislation*

Di cosa parliamo

- Cosa sono i Thematic Clusters

- Situazione attuale

- Perché partecipare

- Come partecipare

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

INSPIRE Thematic Clusters Platform

- Iniziativa della Commissione Europea, collegata al Framework INSPIRE Maintenance and Implementation, con l'obiettivo di supportare l'implementazione di INSPIRE negli Stati Membri.

- Lanciata ufficialmente l'11.12.2014 come piattaforma collaborativa per le Comunità Tematiche in INSPIRE
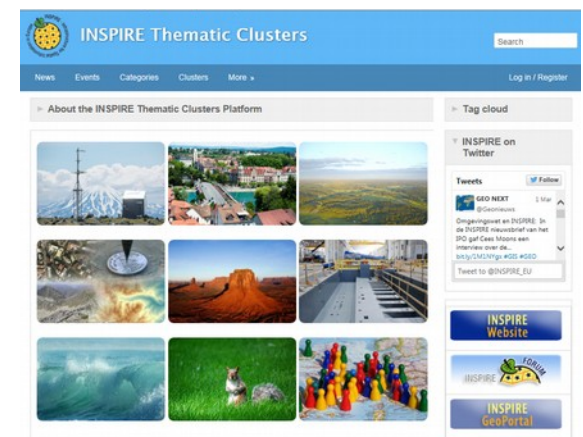
Scopo della piattaforma Thematic Clusters

- Molte problemi relativi all'implementazione di INSPIRE sono **tema-specifici**: **esigenza di un approccio armonizzato**.

- Manca una modalità di **condivisione dell'esperienza** per chi deve implementare INSPIRE: **continuazione dei Thematic WGs INSPIRE**.

- Manca una **visione coerente dello stato dell'implementazione** nei diversi temi INSPIRE: **buone pratiche**.

- Considerazioni sui risultati del MID-Term Evaluation Public Survey INSPIRE.

INSPIRE Thematic clusters platform

Consiste in 9 cluster tematici cioè gruppi di temi di dati INPSIRE ciascuno dei quali coordinato da *facilitatori* (esperti di dominio con conoscenza di INSPIRE e conoscenza e reti di relazioni con le comunità)

- Statistical & Human Health Cluster – Miroslaw Migacz

- Marine & Atmosphere Cluster – Keiran Millard

- Earth Science Cluster – Amelia Baptie

- 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

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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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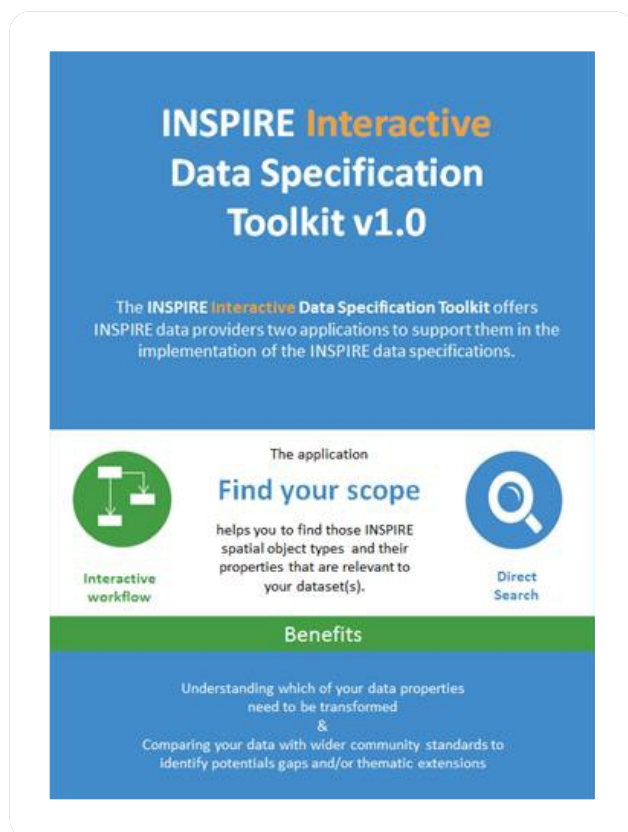
Cosa contengono i Clusters

- Discussioni

- Pagine con best practices, link a presentazioni, informazioni su strumenti, ecc.

- News, eventi, ...

Perché partecipare

- Orientarsi sulla "scelta" del tema INSPIRE di interesse

- Imparare da (buoni) esempi di altri

- Chiedere chiarimenti su dubbi generali o specifici

- Approfondire strumenti di implementazione già usati

- Creare rete di relazioni

- Proporre/richiedere aggiornamenti/correzioni a Technical Guidelines

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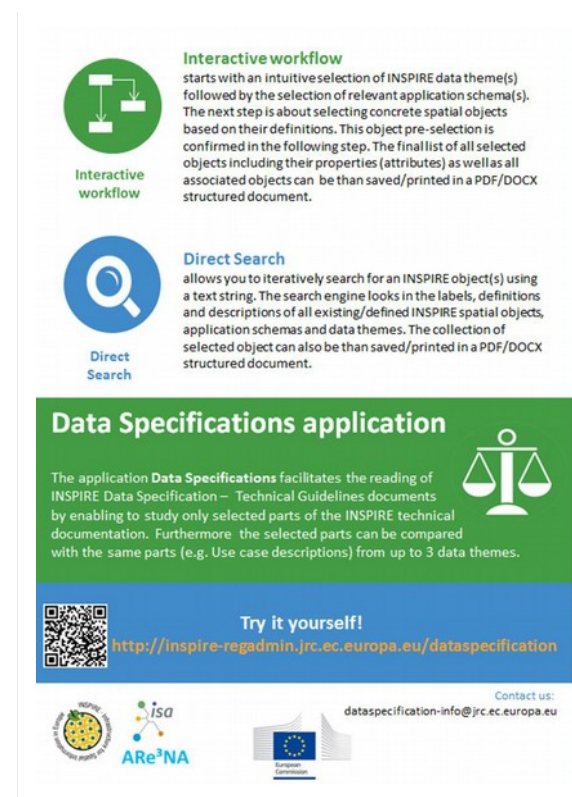
Find your scope application: tool for helping finding those INSPIRE spatial object types and their properties that are relevant for you.

Find your scope: **Interactive workflow tool**

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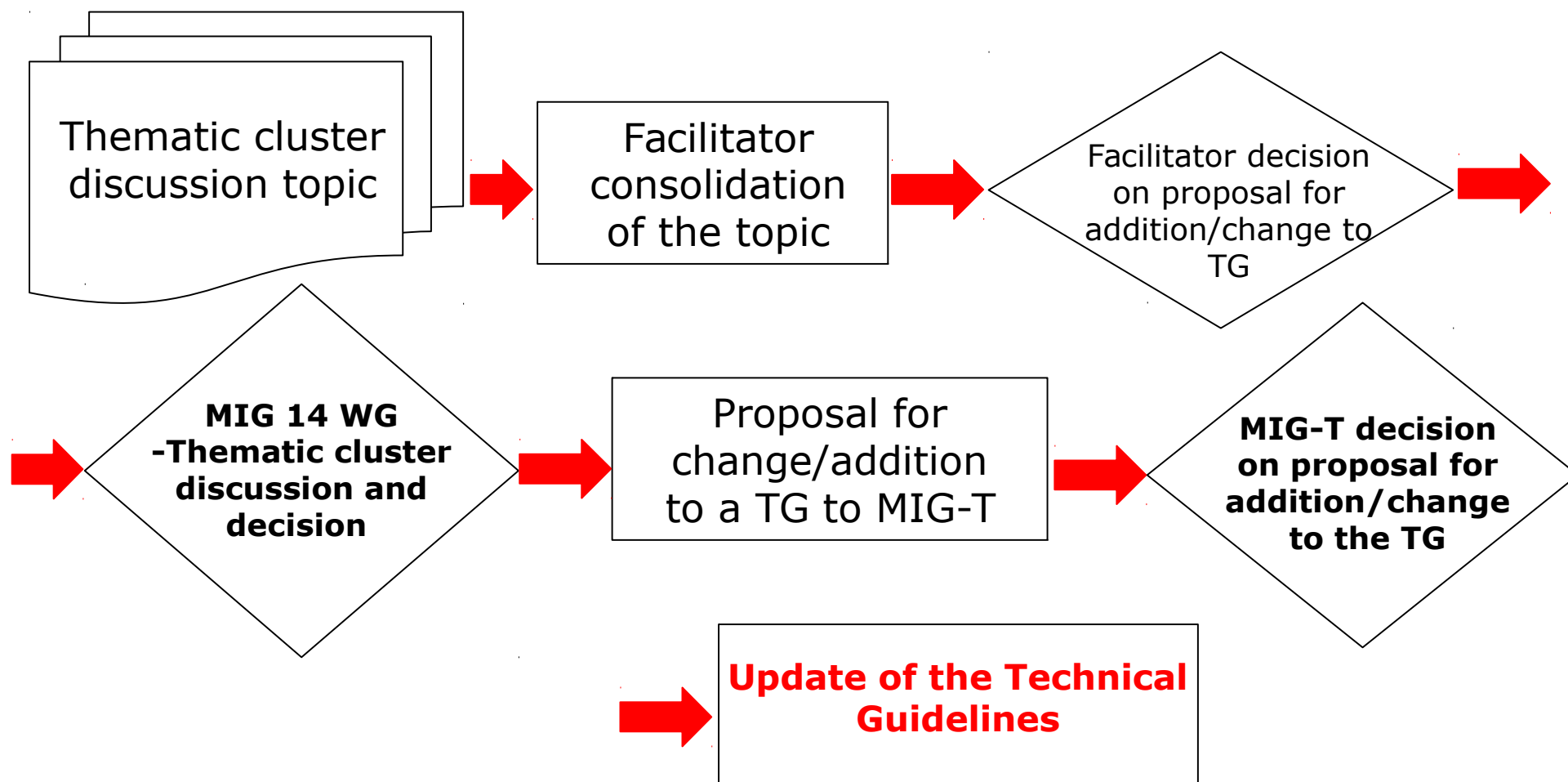
Come partecipare

- Iscriversi ai Thematic clusters d'interesse
  - e anche ai sotto gruppi
- Seguire discussioni in Cluster potenzialmente di interesse
- Porre domande senza imbarazzi

Registration

Environmental Monitoring and Observations Cluster

Environmental Monitoring Facilities

Observations and Measurements

Why are EF and O&M together?

Why are EF and O&M together?

- EF definition: "*Location and operation of environmental monitoring facilities* **includes observation and measurement** *of ...*"

- In the EF data model there is explicitly the possibility to provide observations and measurement through Environmental Monitoring Facilities

Cross-domain cluster

- *"the INSPIRE spatial data theme Environmental Monitoring Facilities (EF) is cross-cutting to any thematic area dealing with the environment"*

- INSPIRE themes where O&M is relevant:

  - Environmental monitoring facilities

  - Oceanographic geographical features

  - Atmospheric conditions and Meteorological geographical features

  - Geology

  - Soil

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Who are the members of the cluster?

- Cross-domain participation

    - **Pros**: multiple potentially interested communities

    - **Cons**: no specific or already established community

- Maybe (some of) you

WE WANT YOU

Members

- Cluster (56)
    - EF (19)
    - O&M (16)
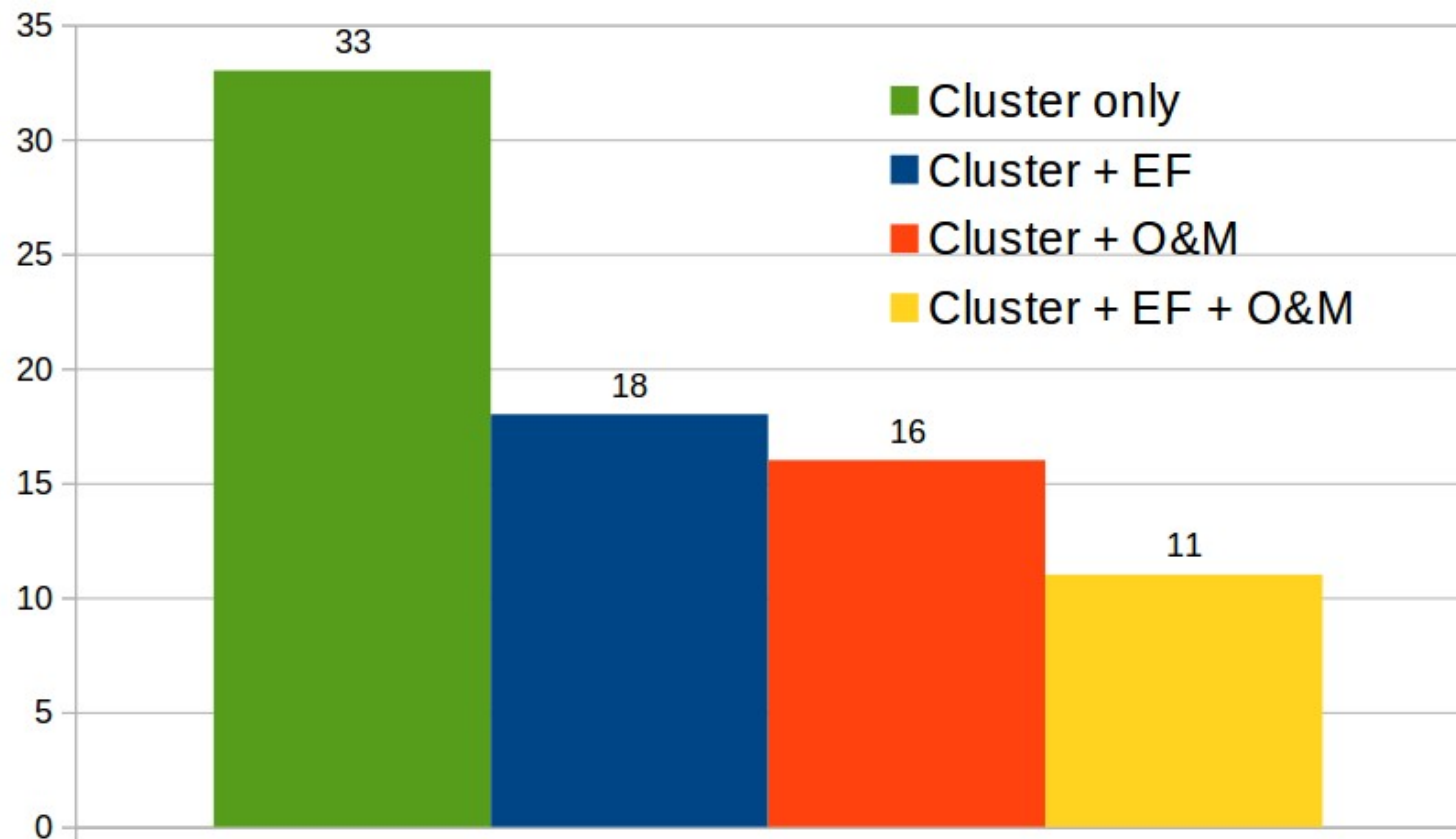
Discussions

- The most discussed topics are related with the understanding and tailoring of the O&M model in INSPIRE, how to use SOS services for environmental observations and measurements, and issues on identifiers and referencing.

- A few examples:

    – WFS vs. SOS

    – INSPIRE and Referencing

    – FoI Encoding

How to participate

- Find good examples, best practices, useful tools, reference information

- Don't be shy, share doubts, problems: it's not an evaluation tool, it's a **collaboration** platform!

- Raise issues, highlight errors, criticize: the platform is there to provide but also to receive support

- And of course, **join the discussion**

INSPIRE Thematic Clusters
Environmental Monitoring and Observations Cluster

European Commission

Who has joined?

Members of communities and organizations across Europe, sharing a common interest in understanding and implementing INSPIRE concepts, standards and products:
- Users, technical experts, researchers and professionals dealing with the management and distribution of environmental observations
- National and European institutions representative with responsibilities to implement INSPIRE

56 Members

What is discussed?

The Environmental Monitoring and Observation Cluster is the place to discuss the use, implementation, dissemination, understanding of the INSPIRE Theme "Environmental Monitoring Facilities" (EF) and issues related to the use of the "Observations and Measurements" (O&M) standard.

There are 18 discussions, most of them in the main cluster (10), dealing with various topics:
- Understanding and tailoring of the O&M model in INSPIRE
- Use of Sensor Observation Service (SOS) in INSPIRE
- Issues on INSPIRE identifiers and referencing
- Examples of EF related services
- Cross domain issues like using INSPIRE data models for reporting obligation under different policies (Air Quality, WFD, MSFD, WISE, SoE)
- Scope - matching data topics to INSPIRE themes
- Code lists

OM **EF**
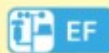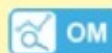
The INSPIRE Thematic Clusters Platform is a European Commission initiative, with the objective of supporting thematic communities in implementing INSPIRE.
https://themes.jrc.ec.europa.eu

Other content?

The cluster contains information on:
- best practices of the implementation of data models and services,
- information about software tools applicable in the scope,
- link to relevant projects and activities,
- relevant and useful documentation (presentations, workshop reports),
- news and upcoming events.

Environmental Monitoring Facilities data specifications and Observations and Measurements standard are both cross-thematic and have the aim to help different domain communities to serve environmental information and data. This is the reason why users from many different communities are very welcome to join the discussion and share information and experiences!

What do they think?

It seems this platform could really improve the experience of the INSPIRE Forum and bring thematic communities towards a concrete implementation of INSPIRE

We really need a place where users, national bodies, domain and technical experts can share information, experience and best practices on the implementation of INSPIRE

About the facilitator

Alessandro SARRETTA, PhD. in Env. Sciences, Researcher at CNR, Institute of Marine Sciences (Bologna). His main activities are related to management and processing of environmental data on marine/coastal areas, SDI, interoperability, Maritime Spatial Planning, open science/software. He facilitated the EF, OF, SR, AC-MF, O&M INSPIRE Thematic Working Groups.

JOIN the collaboration platform
https://themes.jrc.ec.europa.eu
select **YOUR** thematic cluster
and **SHARE** your experience with the community

-ECAS-

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Questions?

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