

## INSPIRE *-ing* GEMET – Enhancing Metadata Creation and Discovery



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- 1) Overview
- 2) Background
- 3) INSPIRE *-ing* GEMET
- 4) Scenarios for metadata creation
- 5) Scenarios for discovery

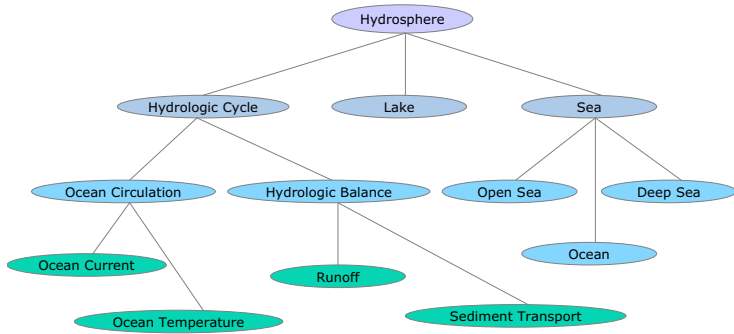
### Motivation

For spatial datasets and spatial dataset series the INSPIRE Implementing rule for Metadata requires that *“at least one keyword shall be provided from the General Environmental Multi-lingual Thesaurus (GEMET) describing the relevant spatial data theme as defined in Annex I, II or III to Directive 2007/2/EC.”*

### GEMET

- General Multilingual Environmental Thesaurus
- Developed for European Topic Centre on Catalogue of Data Sources (ETC/CDS) and European Environment Agency (EEA)
- Published and managed by EIONET
- More than 5000 concepts





### INSPIRE Spatial Data Themes

- INSPIRE spatial data themes and descriptions are defined in Annex I, II and III of the Directive 2007/2/EC\*
- Available in all 23 official EU languages



\*<http://eur-lex.europa.eu/JOHtml.do?uri=OJ:L:2007:108:SOM:EN:HTML>



### INSPIRE *into* GEMET step 1

### Integrating INSPIRE Spatial Data Themes into GEMET

INSPIRE Spatial Data Themes

Thematic Listings | **INSPIRE Spatial Data Themes** | Alphabetic Listings | Hierarchical Listings | Search Thesaurus

Select language: ar | bg | cs | da | de | el | en | en-US | es | et | eu | fi | fr | hu | it | lt | lv | mt | nl | no | pl | pt | ro | ru | sk | sl | sv

Search thesaurus

Query:

Selected language: English

GEMET languages\*

\* There is a mismatch between the languages available in the current version of GEMET and the 23 official EU languages.

[Thematic Listings](#) | [INSPIRE Spatial Data Themes](#) | [Alphabetic Listings](#) | [Hierarchical Listings](#) | [Search Thesaurus](#)  
 Select language: [bg](#) [cs](#) [da](#) [de](#) [el](#) [en](#) [es](#) [et](#) [fr](#) [hu](#) [it](#) [lv](#) [mt](#) [nl](#) [pl](#) [pt](#) [ro](#) [sk](#) [sl](#) [sv](#)

### INSPIRE Spatial Data Themes

Addresses	Hydrography
Administrative units	Land cover
Agricultural and aquaculture facilities	Land use
Area management/restriction/regulation zones and reporting units	Meteorological geographical features
Atmospheric conditions	Mineral resources
Bio-geographical regions	Natural risk zones
Buildings	Oceanographic geographical features
Cadastral parcels	Orthoimagery
Coordinate reference systems	Population distribution — demography
Elevation	Production and industrial facilities
Energy resources	Protected sites
Environmental monitoring facilities	Sea regions
Geographical grid systems	Soil
Geographical names	Species distribution
Geology	Statistical units
Habitats and biotopes	Transport networks
Human health and safety	Utility and governmental services

[RDF Files](#) | [Administration](#) | [Alphabets](#) | [About GEMET](#) | [Web services](#) | [Definition sources](#)  
 GEMET - INSPIRE themes, version 1.0, 2008-06-01

INSPIRE Geoportal  
The EU portal for Geographic Information

Exit Save Validation (OFF) User Guide About

Metadata Identification Classification **Keyword** Geographic Temporal Quality&Validity Conformity Constraints Organization

Keyword

Keyword

Inspire Data Theme

GEMET Keyword

Keyword value

Originating controlled vocabulary

Title

Reference date

But ....



What is the relation between GEMET concepts and INSPIRE Spatial Data Themes?



INSPIRE *ing* GEMET  
step 2

### Linking GEMET concepts and INSPIRE Themes

- Link was established manually: List of concepts that are linked to an INSPIRE Spatial Data Theme

