INSPIRE Geoportal

Rich user experience across member states' services

developed under a contract with the EC (JRC)

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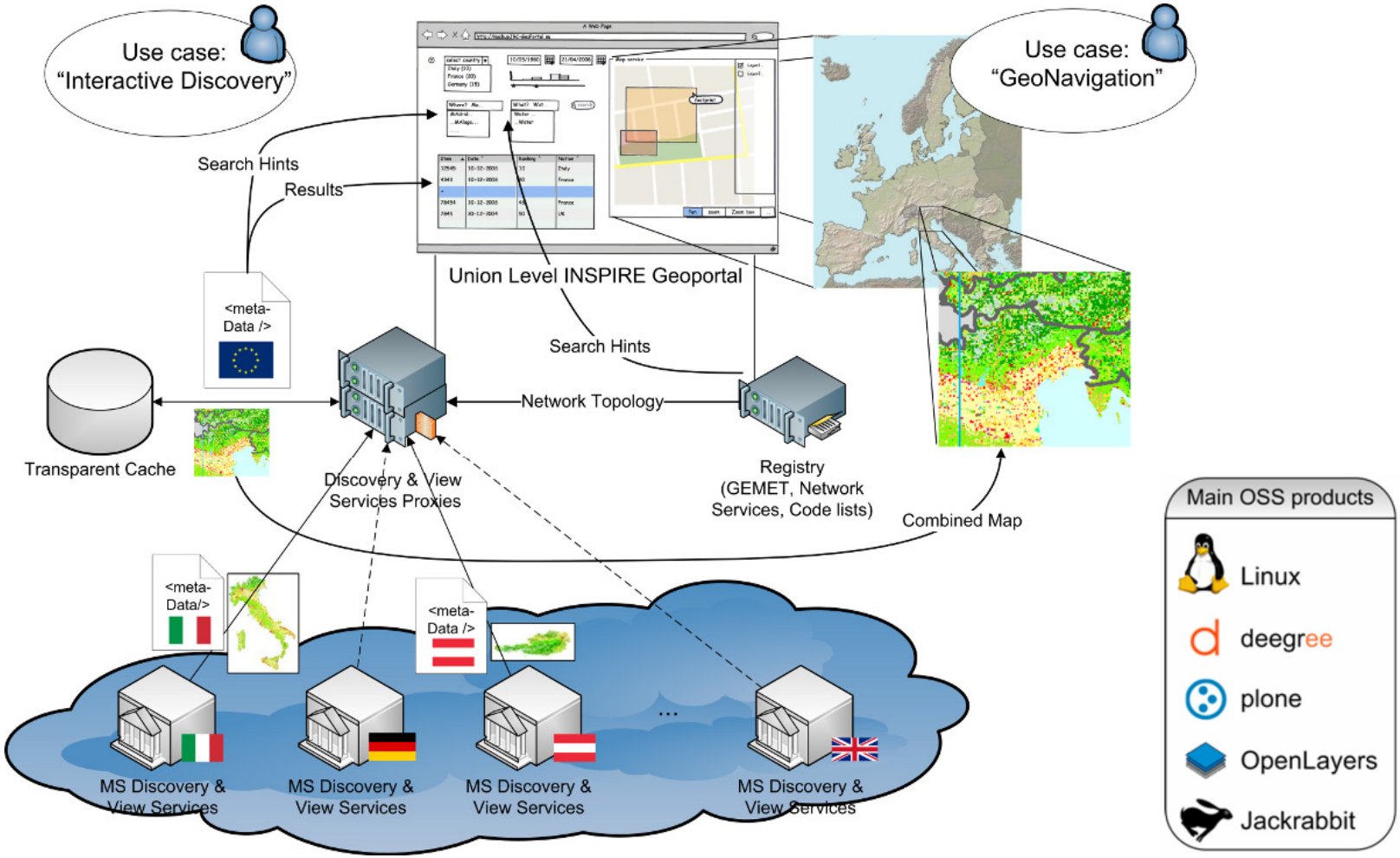
Lisbon, 26 May 2015

Architecture: Overall picture



This was foreseen already back in 2007 (INSPIRE directive):

- Whilst INSPIRE is based on the infrastructures of the Member States, the INSPIRE Directive also requires that:
- "The Commission shall establish and operate an **INSPIRE geo-portal** at Community level".
- In addition Article 15(2) of the Directive requires:
- "Member States shall provide access to the services referred to in Article 11(1) **through the INSPIRE geo-portal** referred to in paragraph 1. Member States may also provide access to those services through their own access points."

Let’s talk about why a user would want to use INSPIRE

Yes, INSPIRE, not only the Geoportal…

- Access spatial data from all member states
- Easily find something
- Easily see something
- Easily get something
- Easily …

Keyword here is easily. Talk directly with over 30 Discovery services or Geoportals is not really easy.

Geoportal Objective

Access **INSPIRE spatial datasets** and services through a **unique entry point**, with **seamless integration** of member states' services, enabling **multi-lingual searches**, iterative **refinement of result** sets and **cross-border combination** of datasets in **customized user maps**.

See us at booth 26A!

planetek italia

and now...

...hands on!

Easily find something: Access to Discovery Services

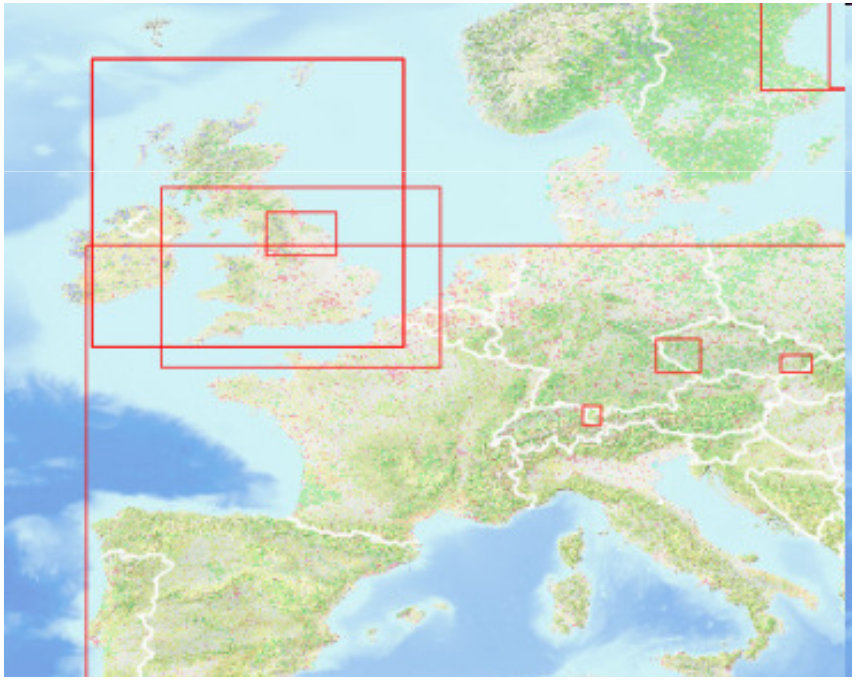
- Access does not mean a URL to a single service's getCapabilities…
- Access means direct search in the entire "INSPIRE catalogue"
- Such that the INSPIRE infrastructure's technical complexity is hidden to the user.
- But what are the search dimensions of this "INSPIRE catalogue" ?

Easily find something: The spatial dimension

- Which is the area of interest ?

Easily find something: The spatial dimension

- Which is the area of interest ?
- Well, that’s what Geoportals are for…

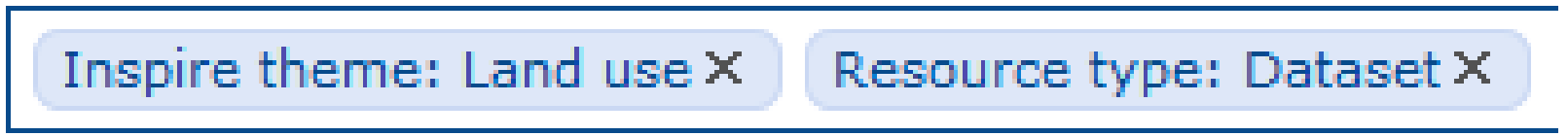


Easily find something: The thematic dimension

- INSPIRE put much effort in metadata tagging.

Easily find something: The thematic dimension

- INSPIRE put much effort in metadata tagging, so a user will want to benefit from this.



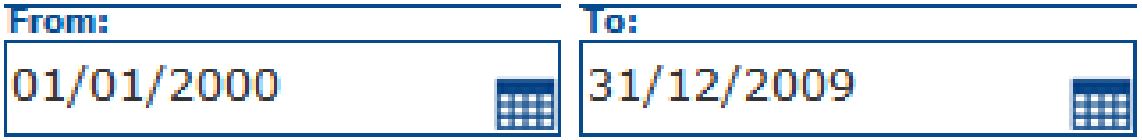
Easily find something: The time dimension

- I need data for a specific interval.

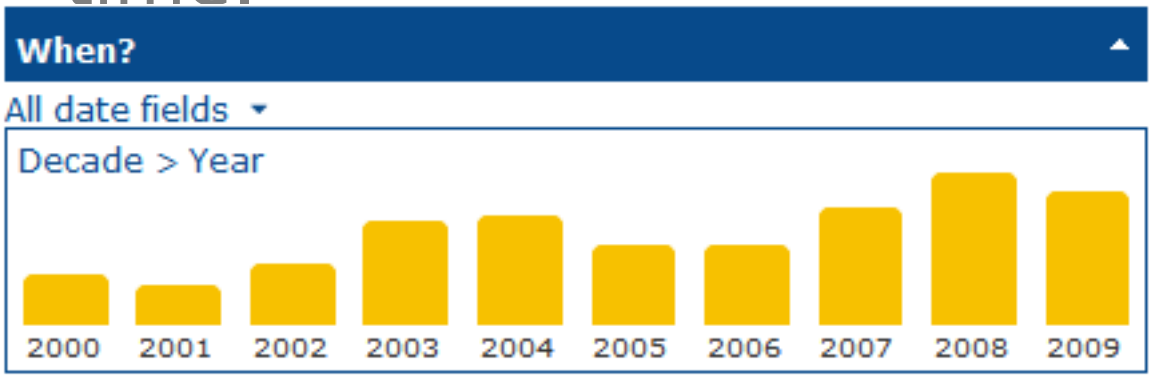
- I want to see data distribution over time.

Easily find something: The time dimension

- I need data for a specific interval.



- I want to see data distribution over time.

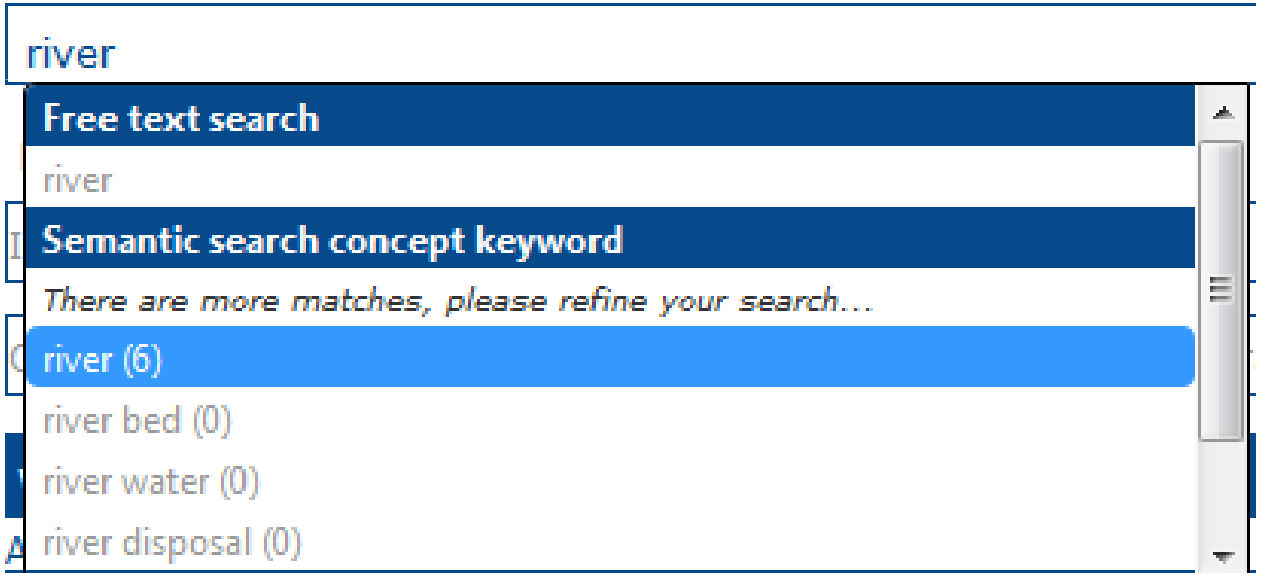


Easily find something: The semantic dimension

- Metadata contains text.

Easily find something: The semantic dimension

- Metadata contains text.
- This text can be indexed against a thesaurus.



Easily find something: The language dimension

- Metadata is edited in a natural language.

Easily find something:
The language dimension

- Metadata is edited in a natural language.

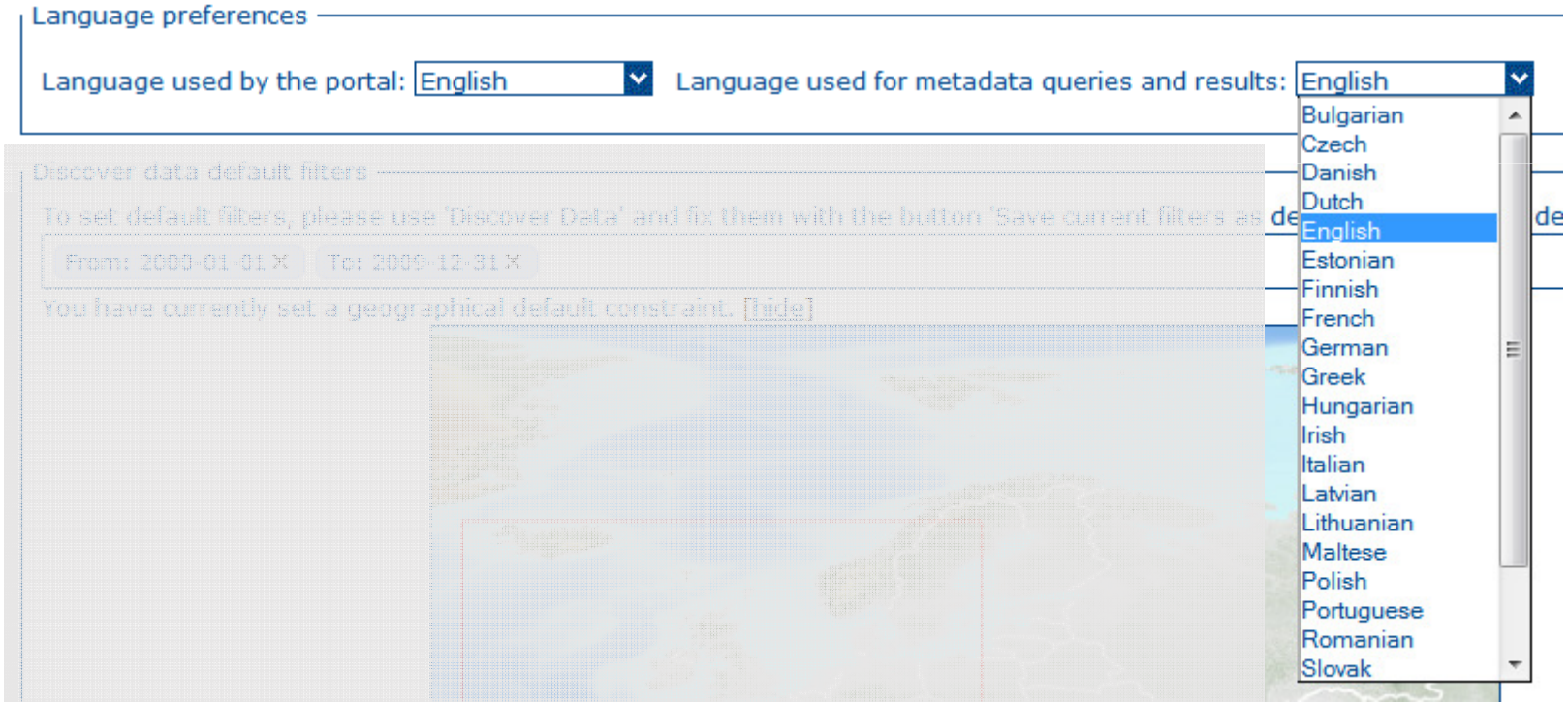
- Usually one - out of 24!

Easily find something: The language dimension obstacle

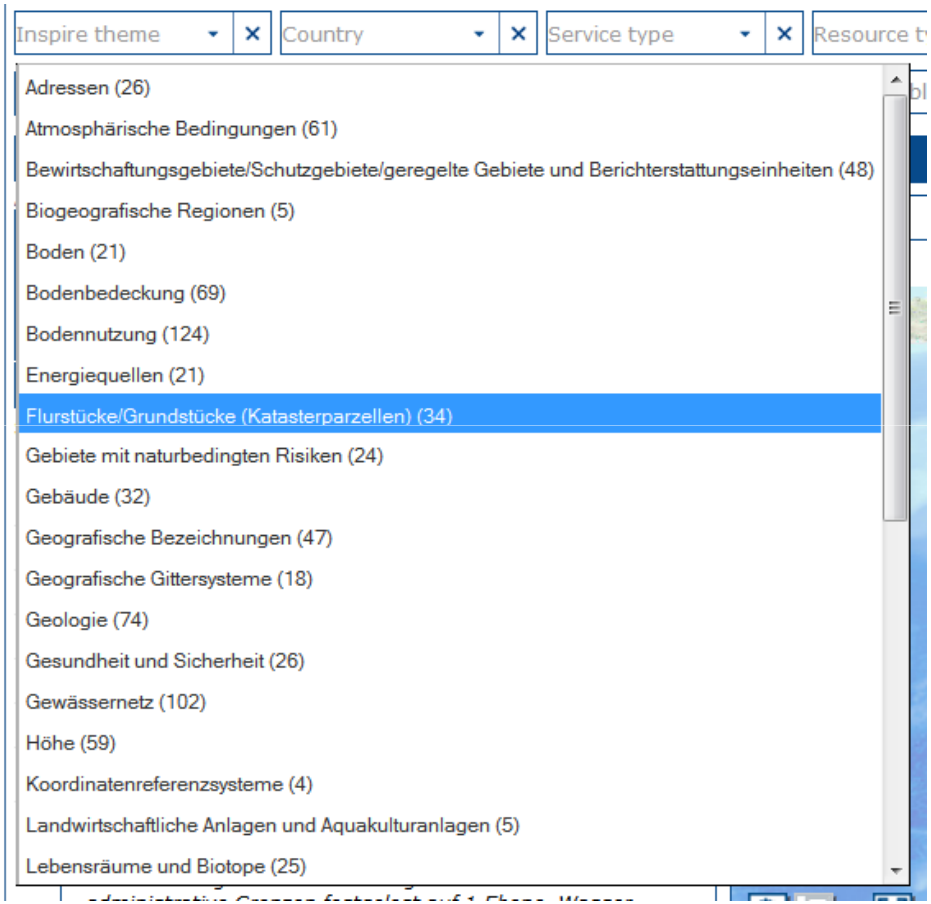
- Users cannot be expected to talk 24 languages.

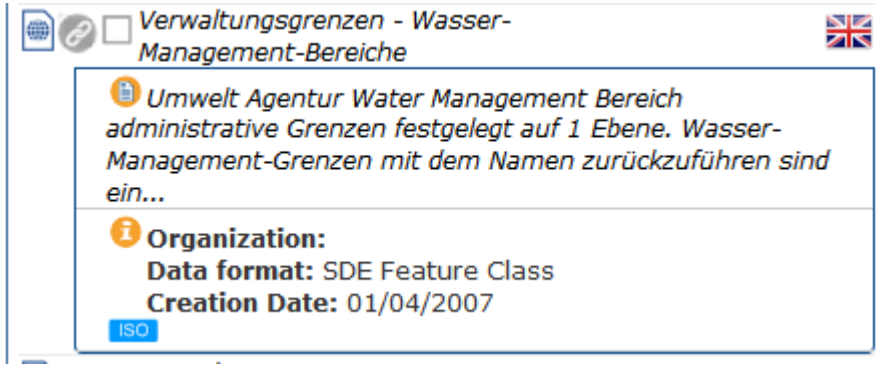
Easily find something:
The language dimension obstacle

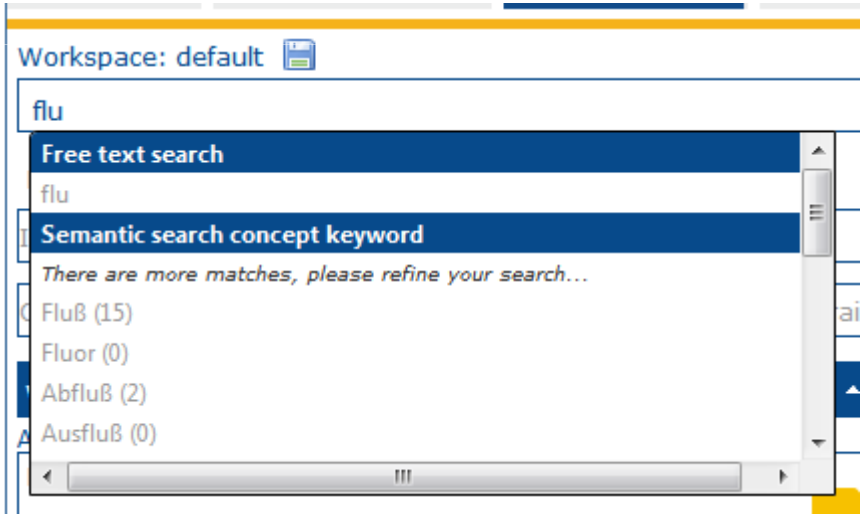
- Users cannot be expected to talk 24 languages. They can choose.



Easily find something:
The language dimension obstacle







Easily find something:
The language dimension obstacle

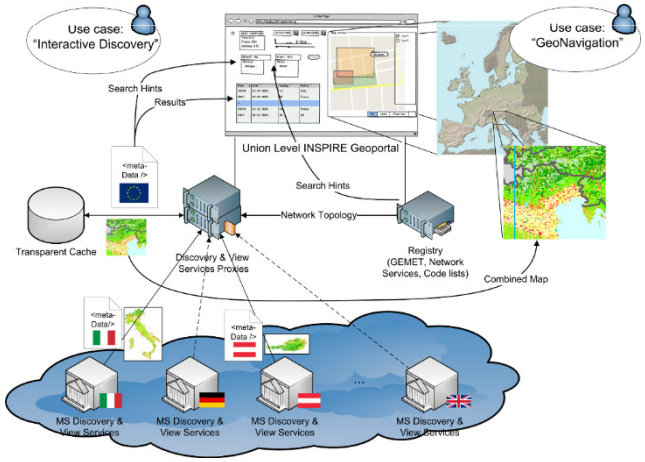
The Geoportal supports:

- 4 UI languages (en, fr, de, it)
- 24 query & result presentation languages

with

- Multilanguage Codelists
- Automatic Translation of Results
- Semantic Keyword Matching (GEMET based)

Put it all together



The INSPIRE Geoportal workflow

- Home thematic and geographical access suggestions
- Browse Catalogue Easily see what is in, fill your basket
- Discover Data Full support of complex metadata queries, fill your basket
- Combine Maps Display and combine layers from the basket online
- Share Workspaces Tell others about your findings
- My INSPIRE User preferences for web portal customization

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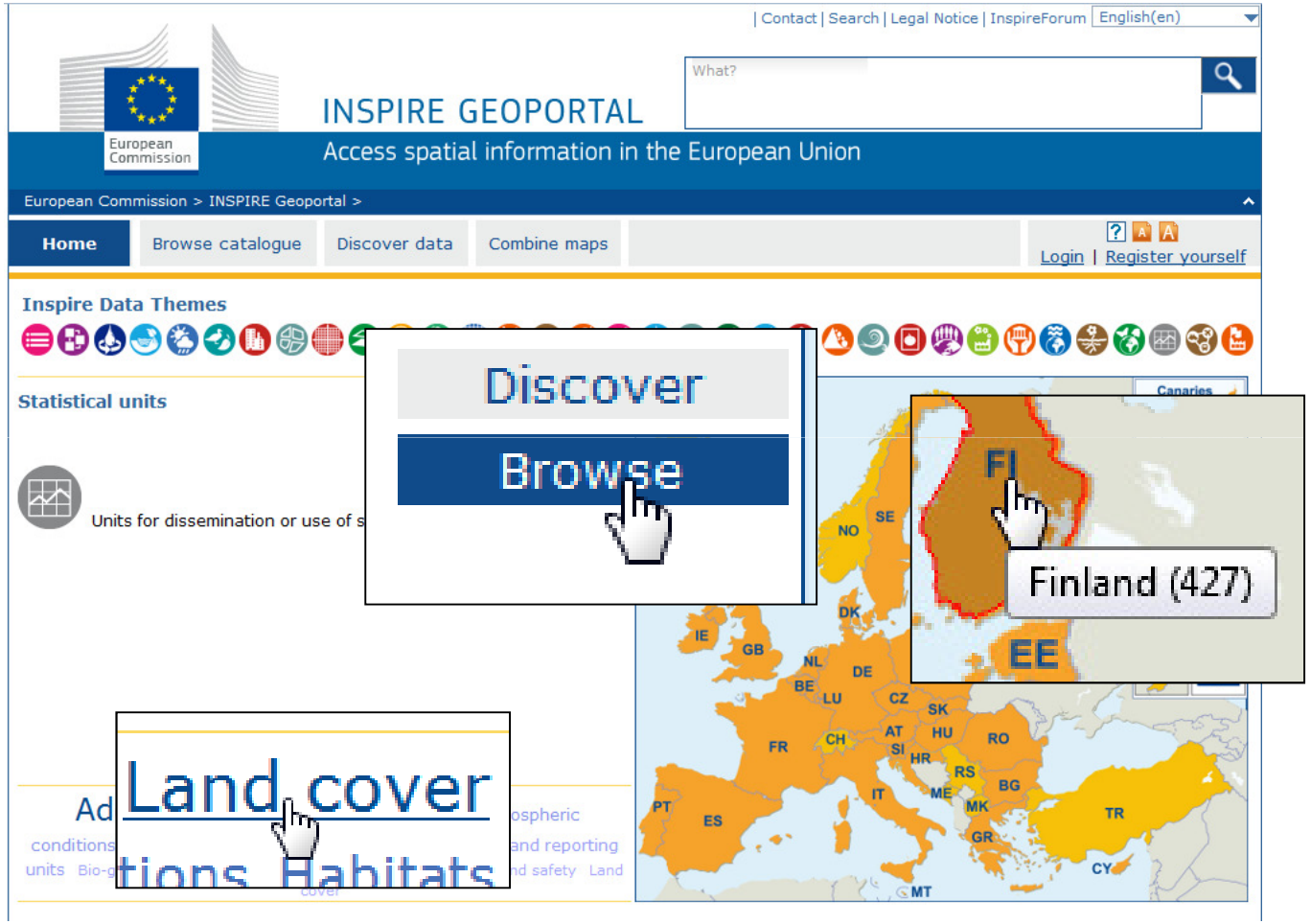

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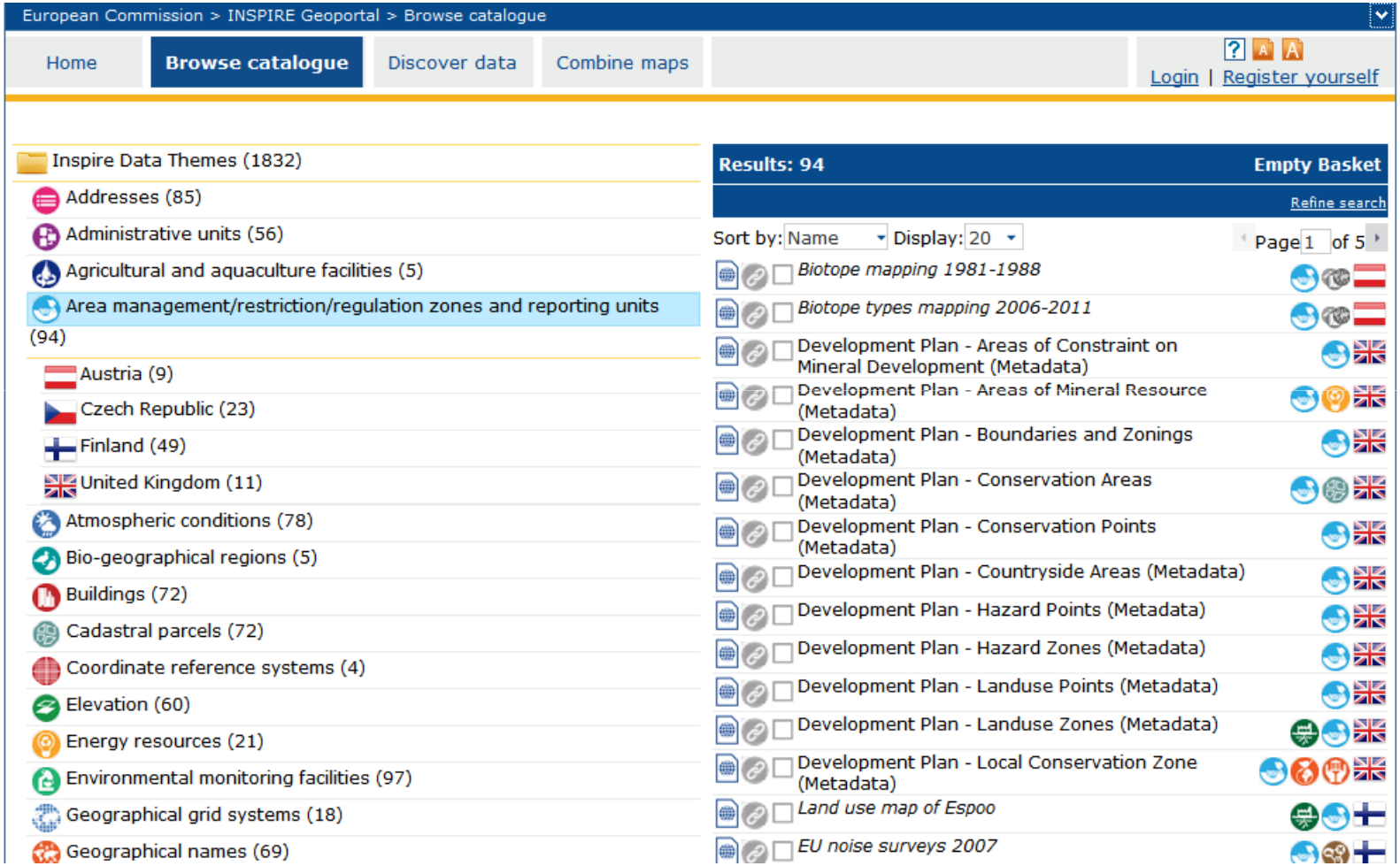
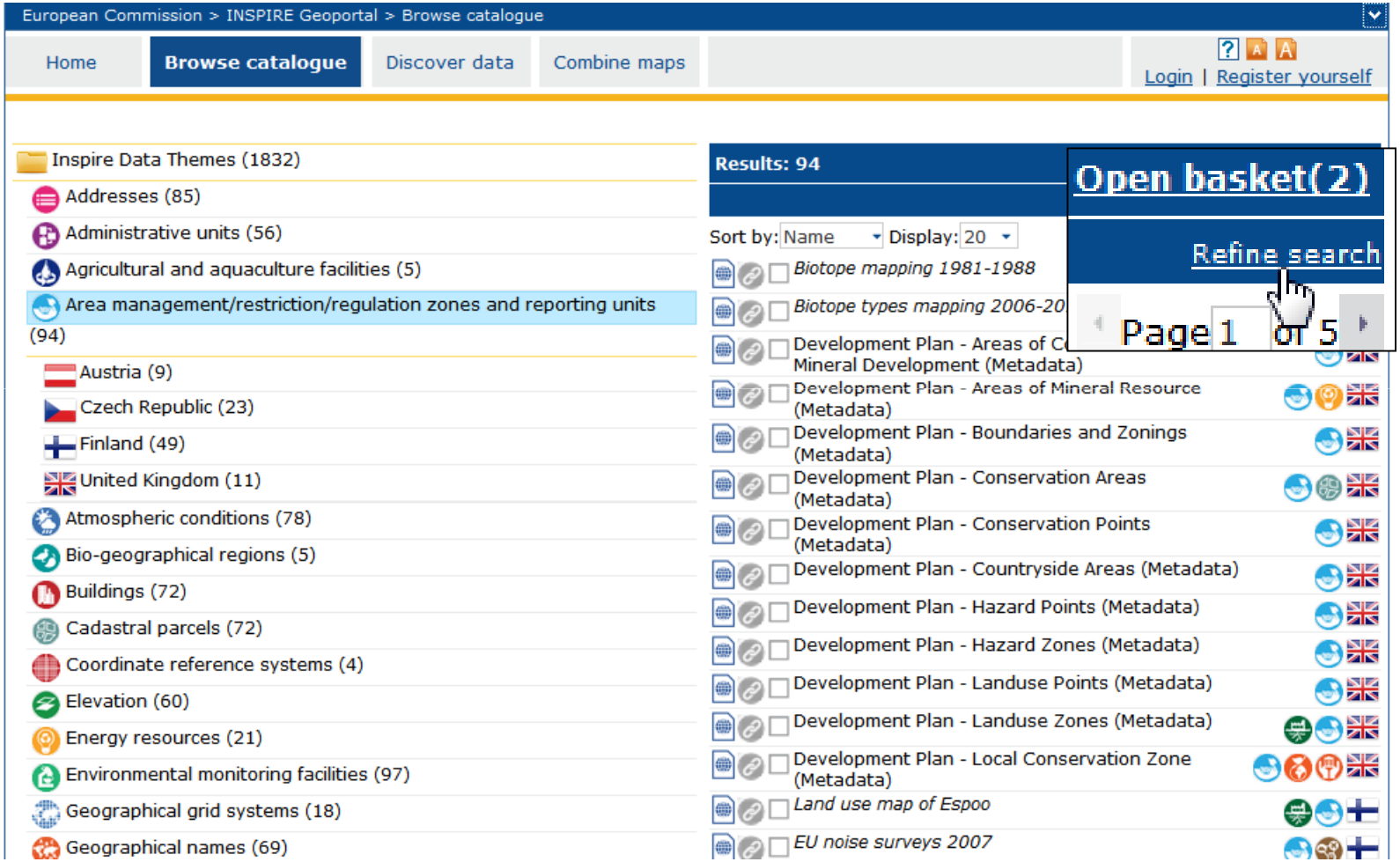
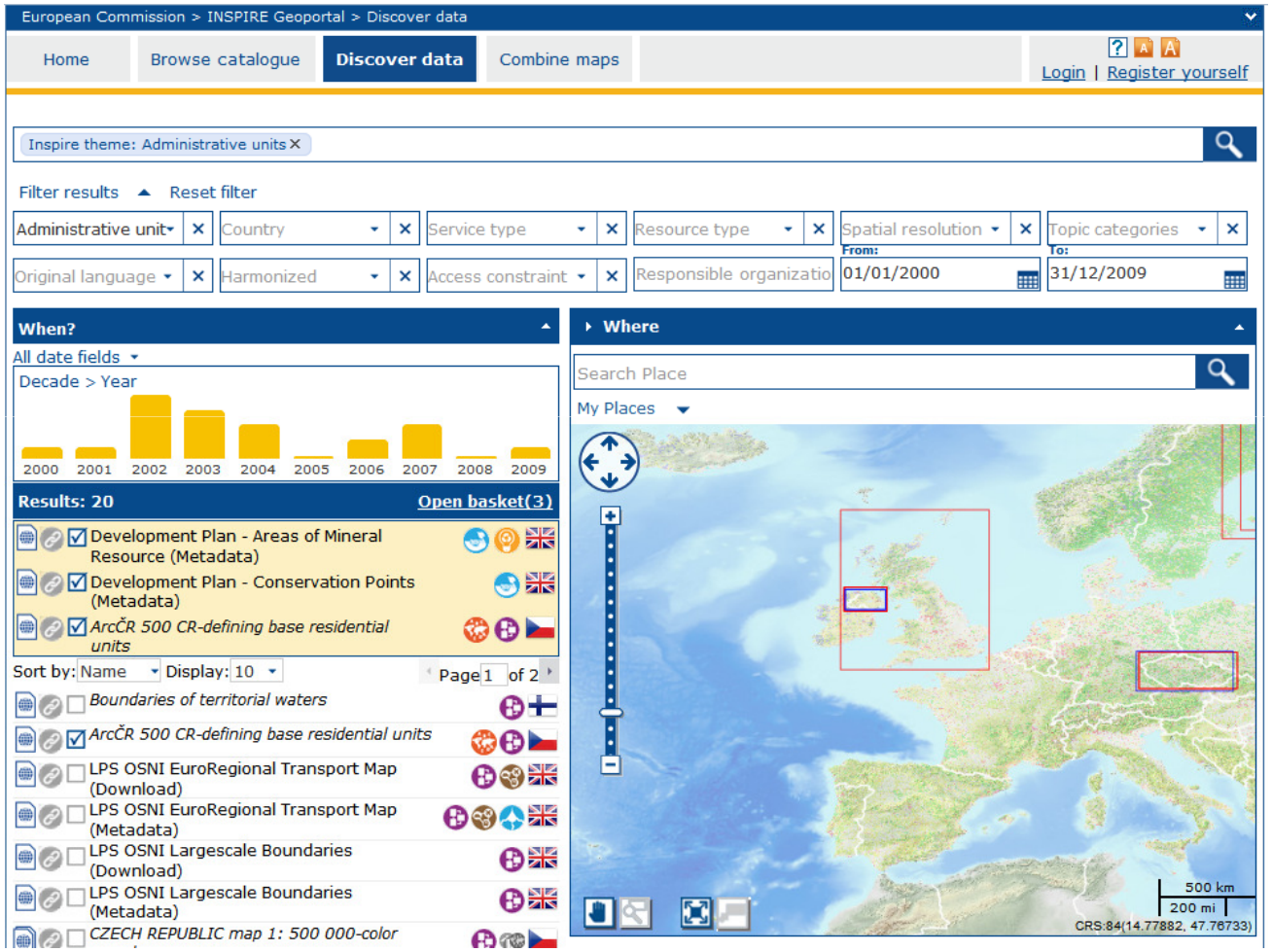


Browse Catalogue
...and fill your basket.



Discover data
...use all Dimensions...



Discover data
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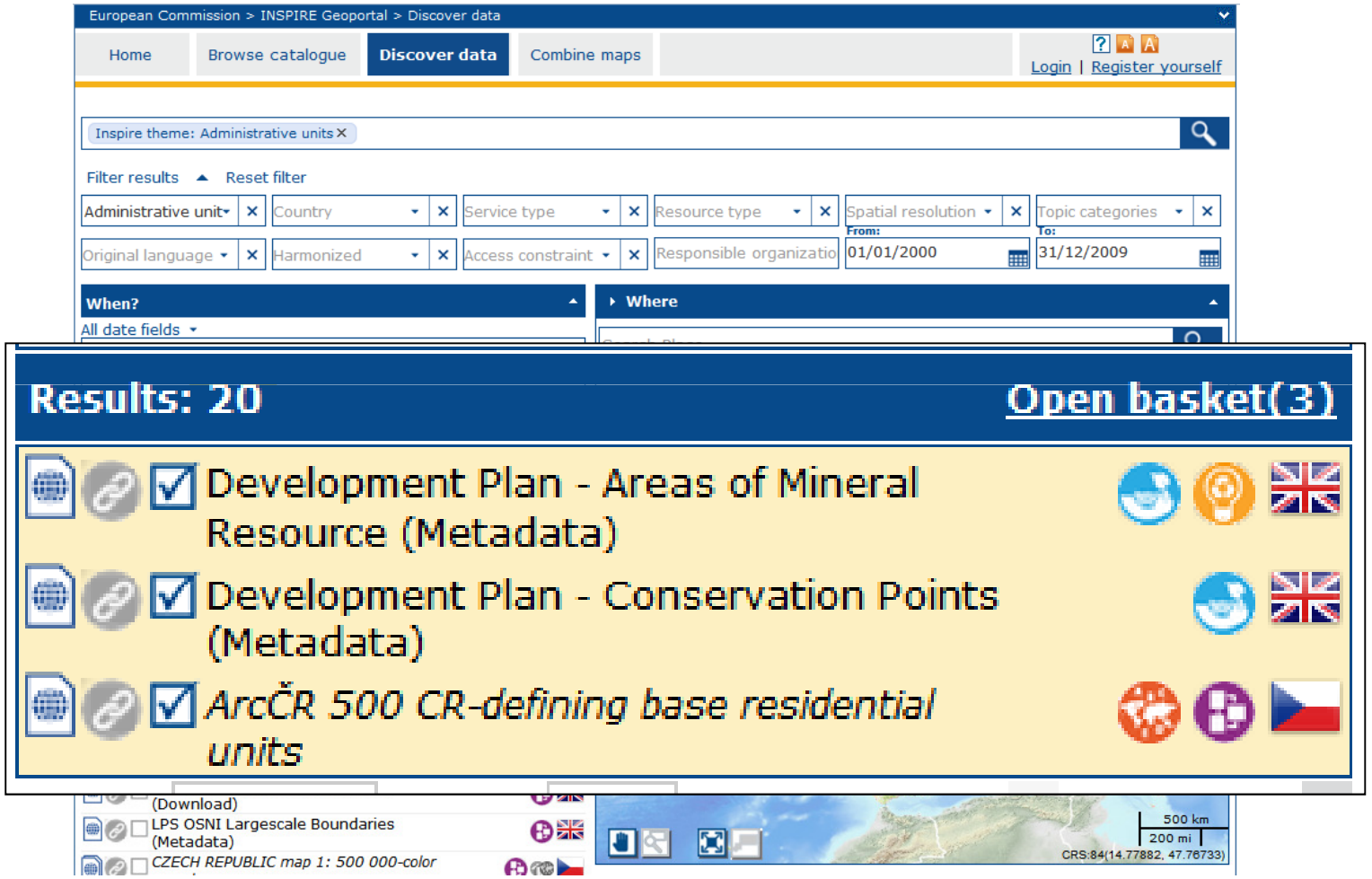
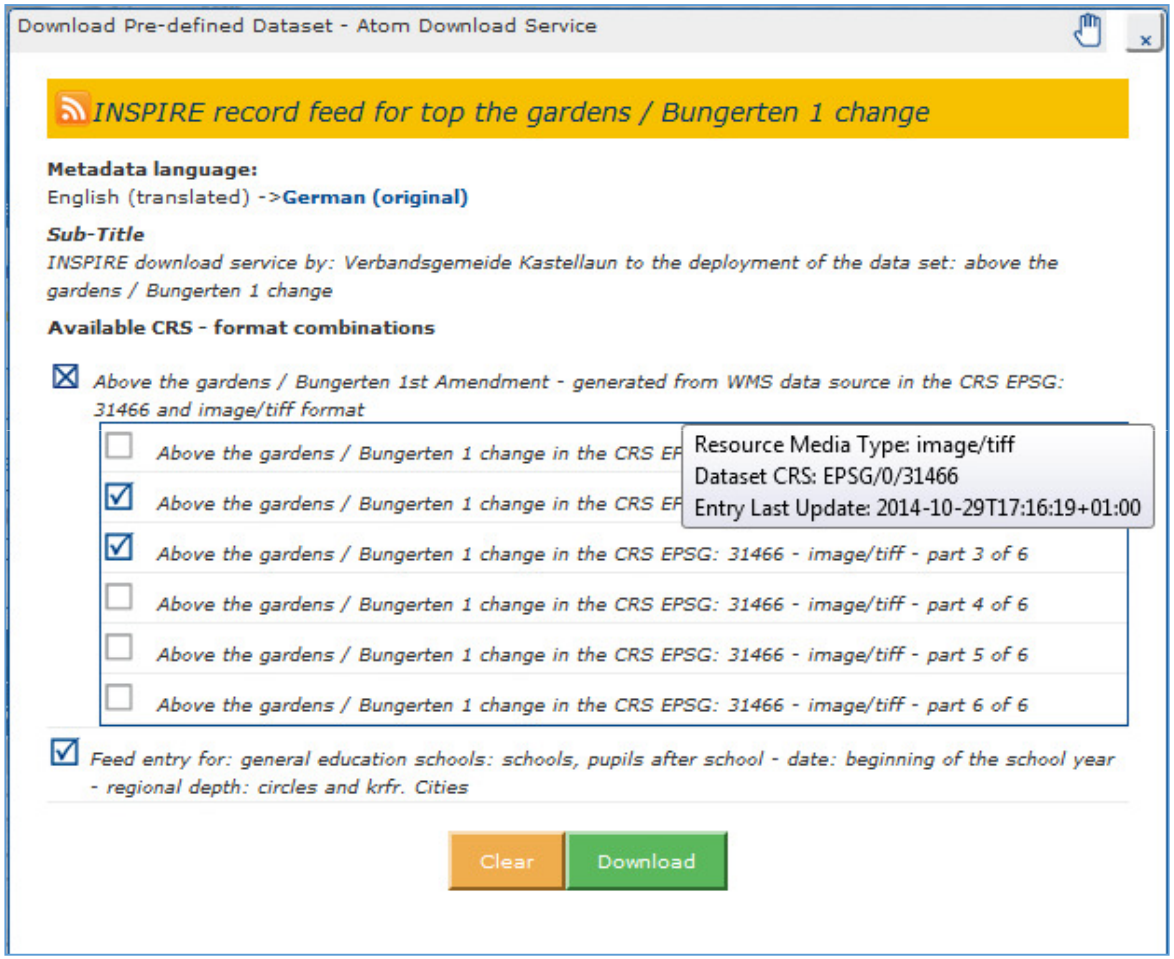
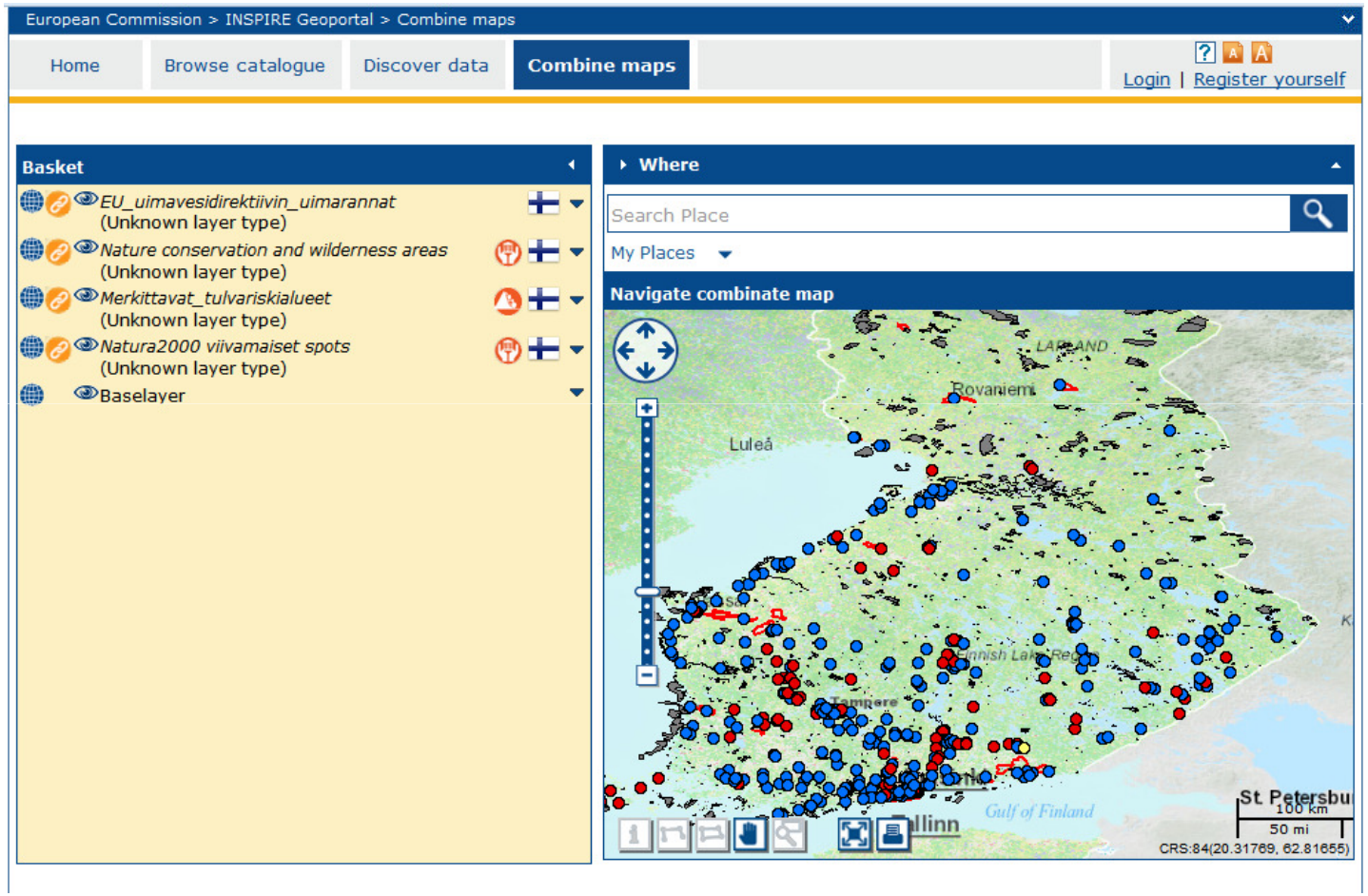


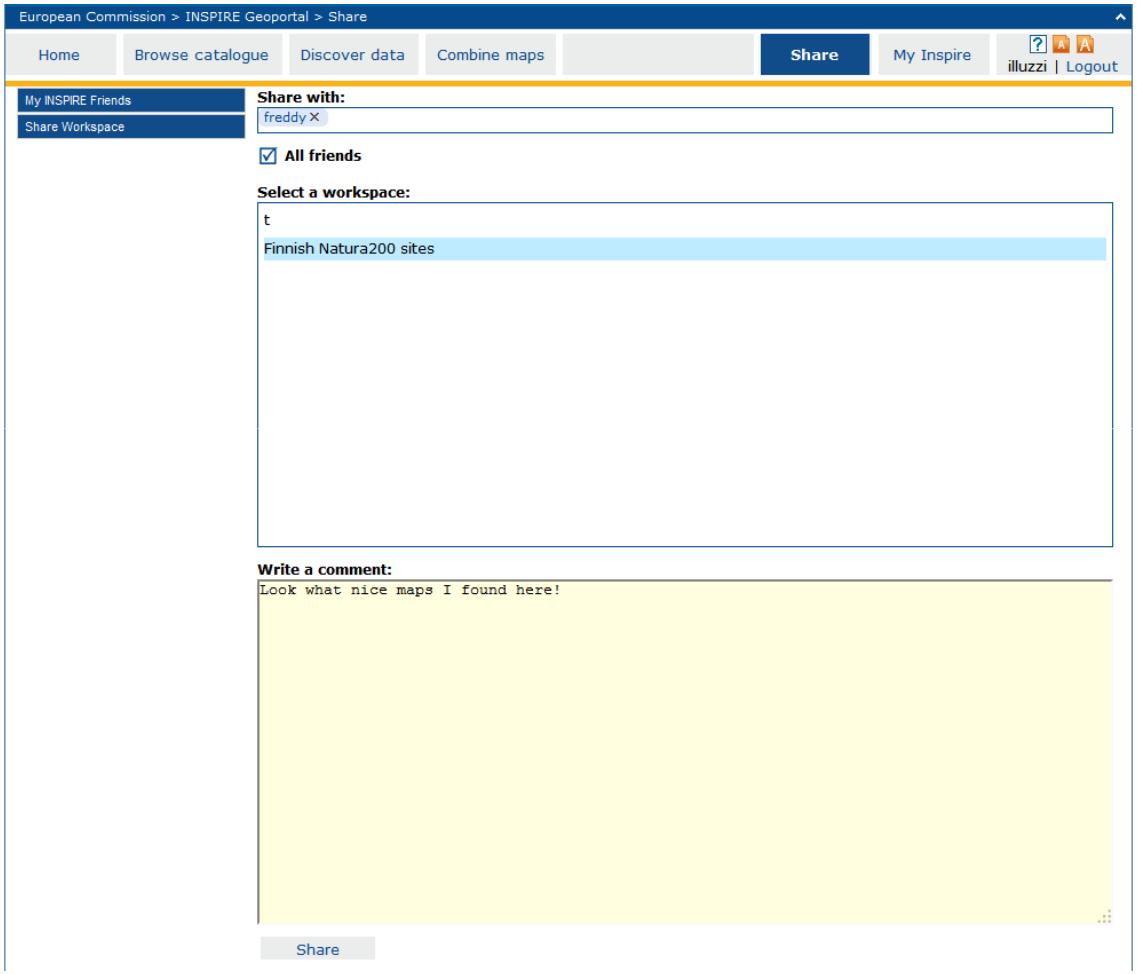
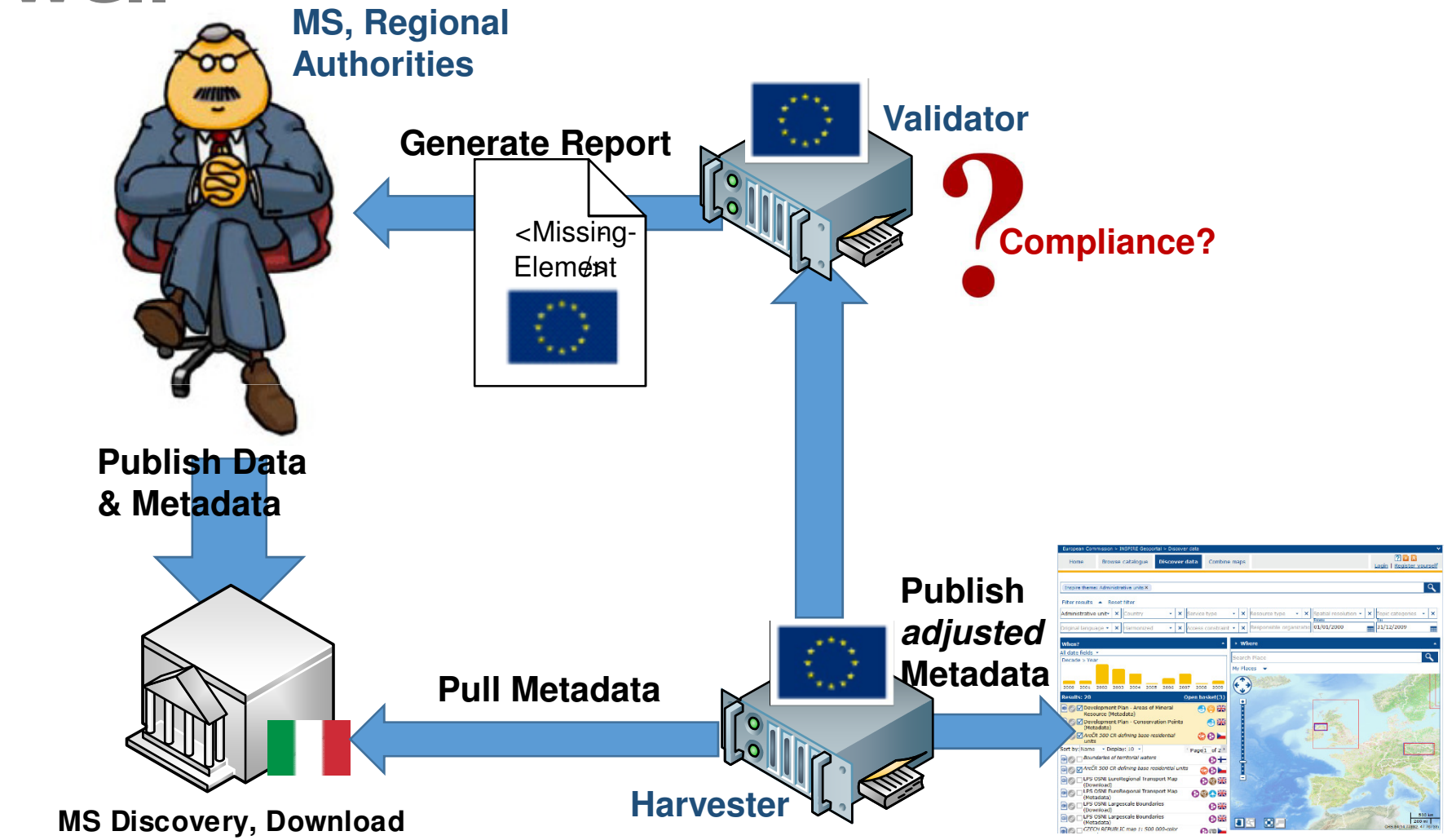
Download data
...and use them if permitted.



Combine maps
...from the basket.



Share what you found ...from the basket.



...take care of Data Providers as well