

Metadata management workflow...

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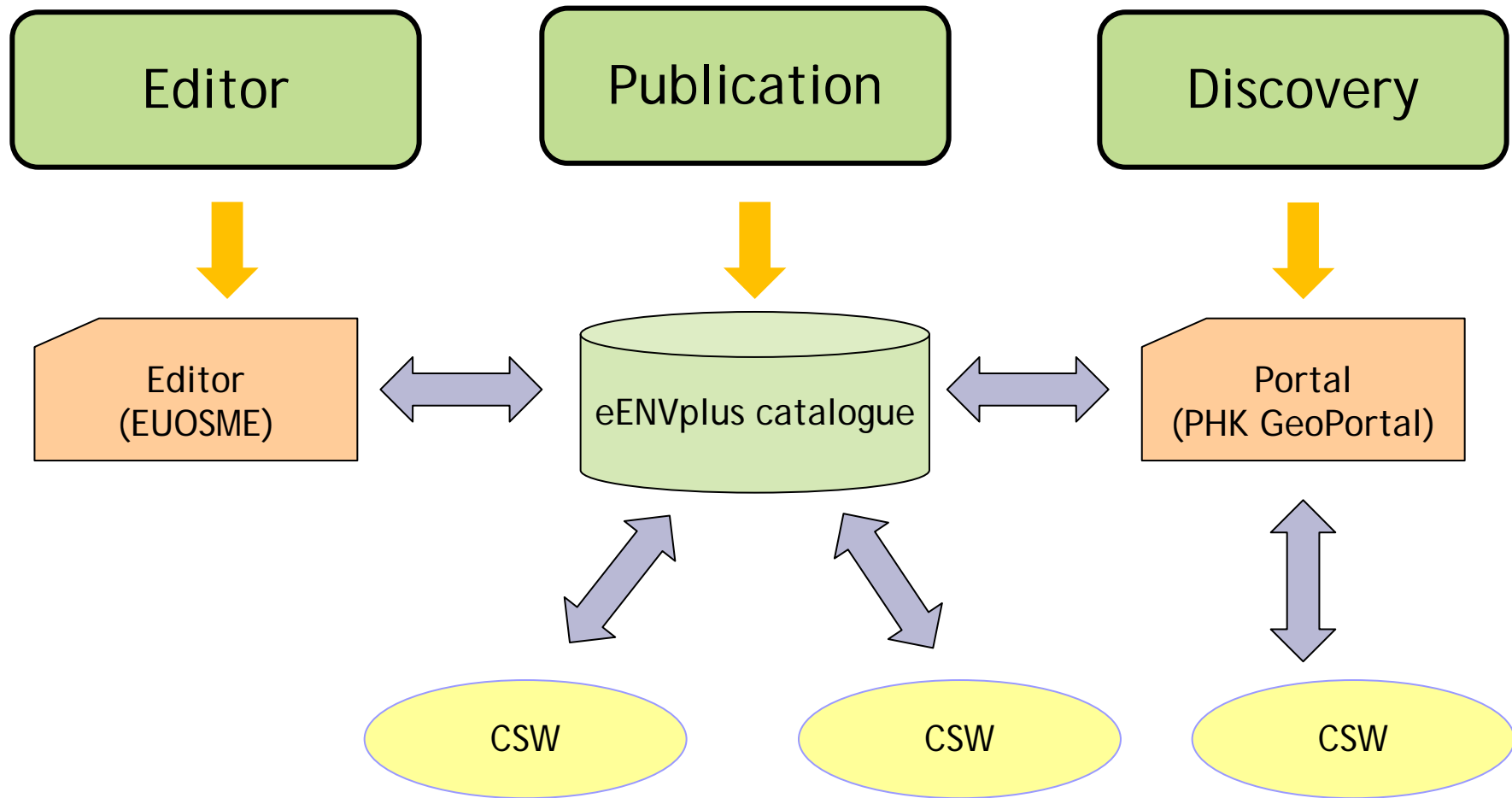
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GIS/G

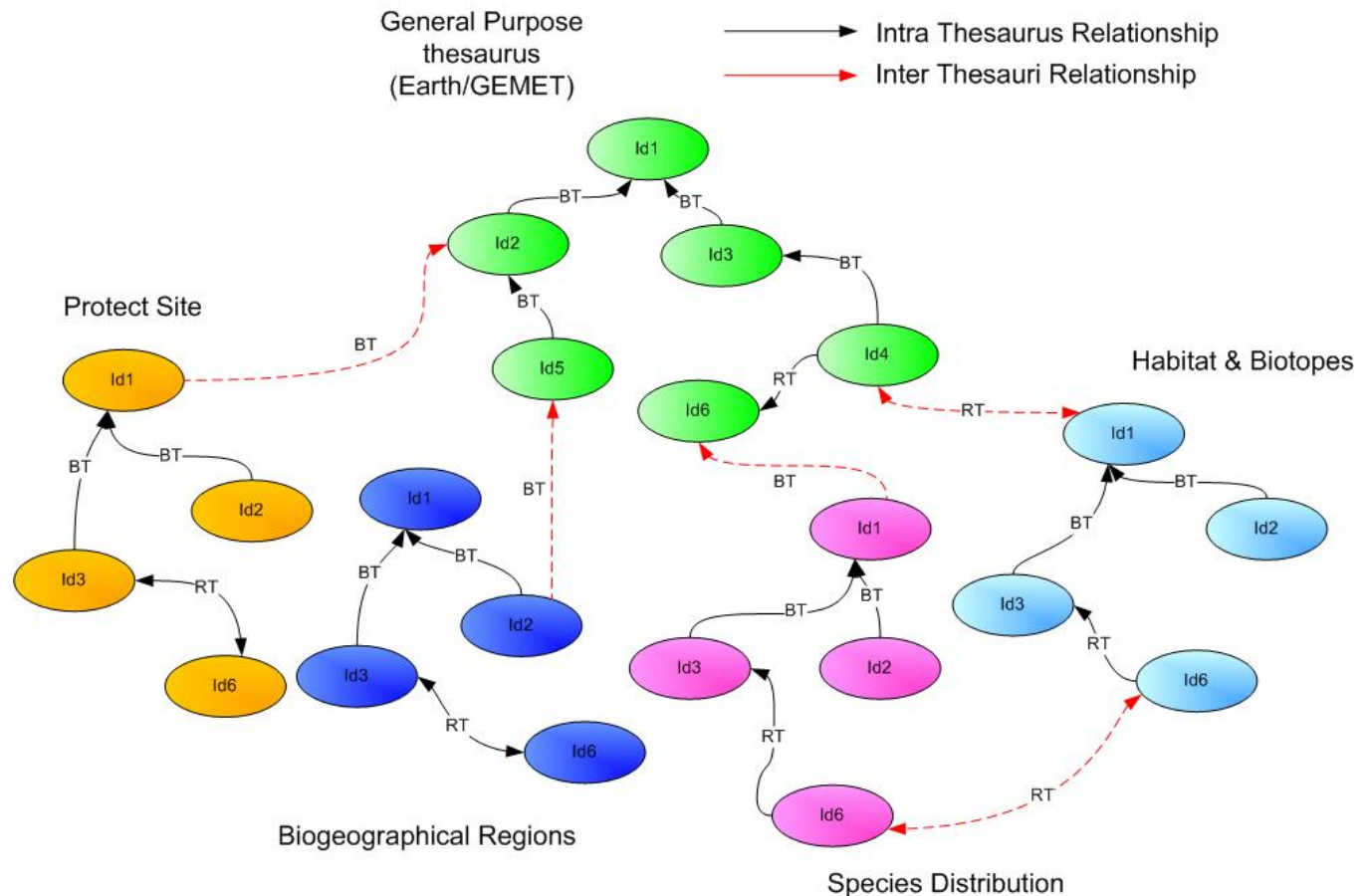
Metadata Infrastructure:



Semantic interoperability

- the need to have at disposal a shared understanding on terms and meanings related to the different environmental themes. This is driven:
 - at top level by the INSPIRE directive but, overall,
 - by the harmonisation processes requested in operational analysis of heterogeneous datasets and services.

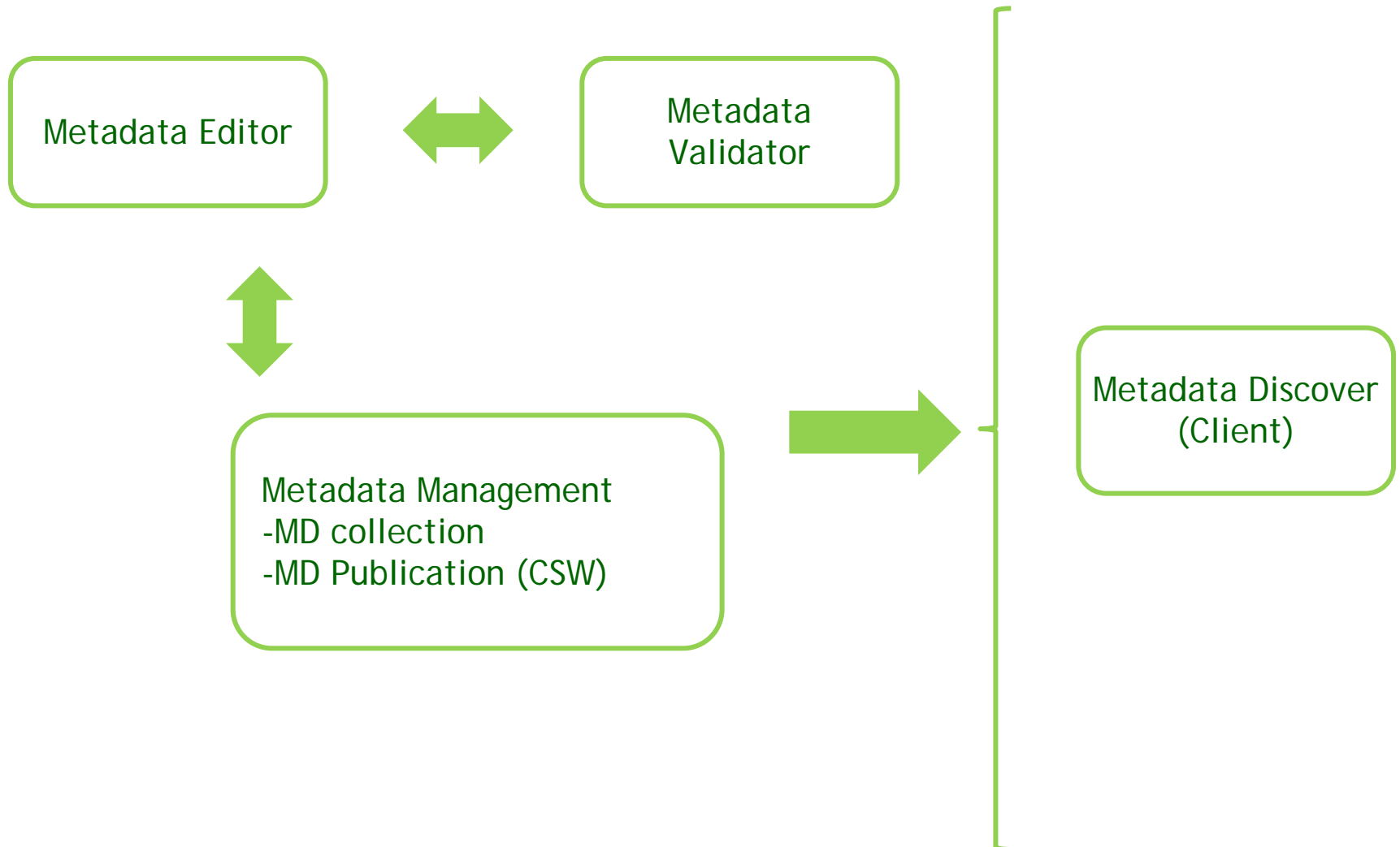
- ➔ shared terminologies and services to drive
 - the harmonisation of the data content
 - the provision of semantic services exploiting the harmonised content of the exposed data.



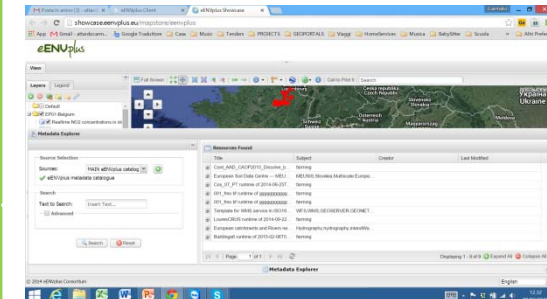
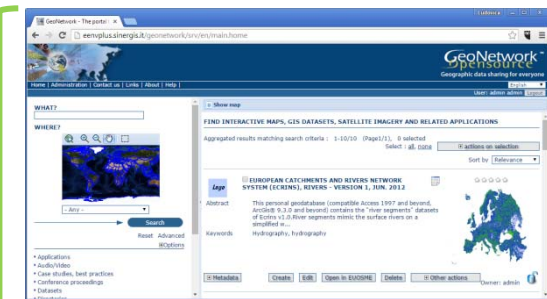
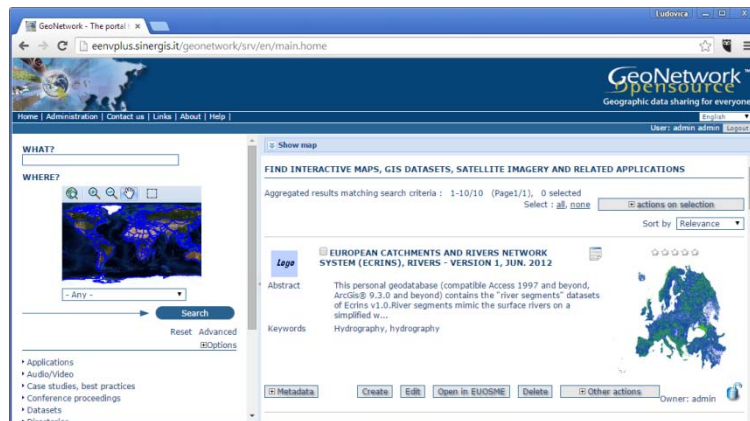
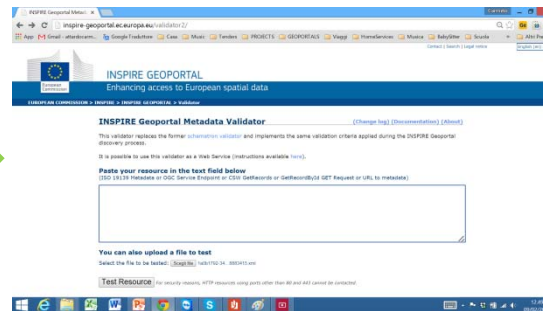
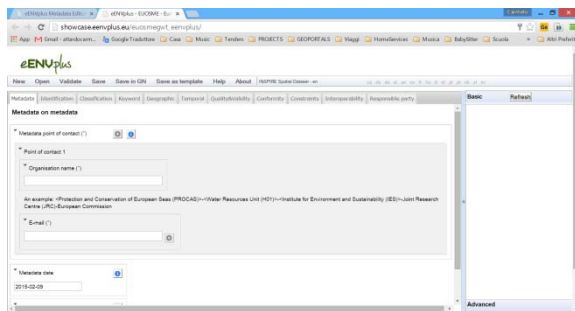
- integration of different available thesauri
- cross walking from a thesaurus to another

- Use of TF vocabularies to properly annotate resources in different environmental domains
- Efficient keyword searches exploiting deferentiable URI identifier of Linked Data vocabulaty concept
- Refining the keyword search exploiting semantic relation of its concept (brother, narrower, synonym)
- Support in Query expansion reducing efforts to formulate the proper query
- Improving translation with cross-walking functionality whenever translation is not available within a single vocabulary
- improve data annotation as well as data discovery exploiting sematic matching between concept of two different vocabularies ...

eENVplus bricks supporting the process



eENVplus bricks supporting the process



- Integration of metadata editor with TF services
- Integration of metadata editor with metadata management tool (EUOSME-GeoNetwork)
- Exploitation of TF services in discovery (INSPIRE geoportal)

Integration of metadata editor with TF
services demo

Exploitation of TF services in discovery
(INSPIRE geoportal)

Thank you for the attention!

? Questions

WP7 Leader

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