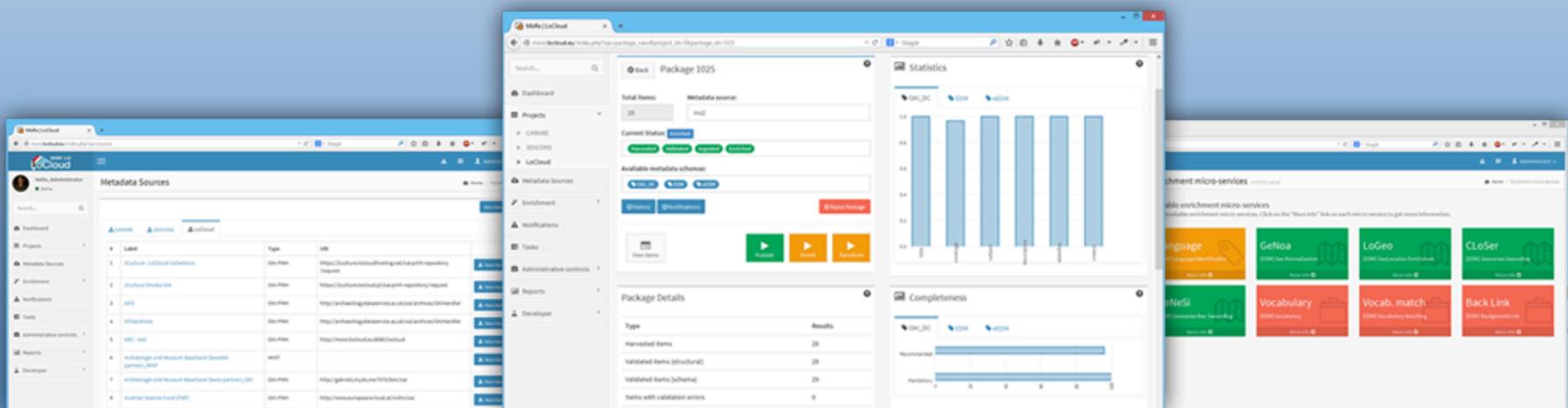


Do you want to find out MOrE ?

Dimitris Gavrilis
Digital Curation Unit – IMIS, Athena Research Center



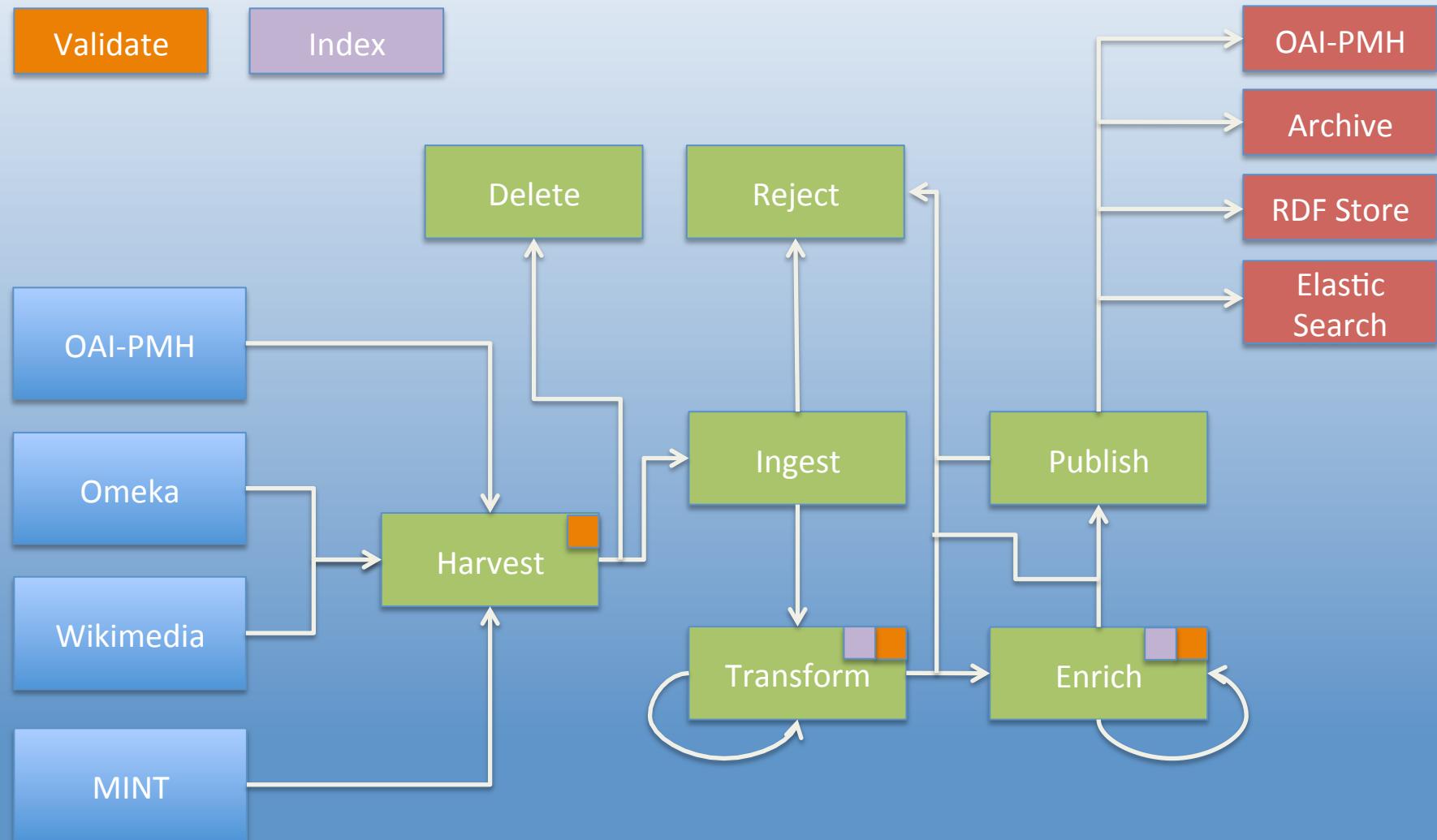
The screenshot displays the MoreCloud interface, which is a web-based tool for managing digital curation projects. The main dashboard shows a package named "Package 1025" with 29 total items harvested from 422 metadata sources. The interface includes several charts: one for "Completeness" and another for "Statistics". On the left, a sidebar lists various "Metadata Sources" such as "Archivaria Cloud", "Archivaria OmegaLink", "ADS", "AII", "AM", "AM-raw", "Archivaria und Museum Beauftragt (deutsch)", "Archivaria und Museum Beauftragt (en)", and "Austrian Science Fund (FWF)". To the right, a separate window titled "enrichment micro-services" lists available services: Language (GeNoa), GeNoa (DE), GeNoa (EN), LoGeo (DE), CloSer (DE), NeSi (DE), Vocabulary (DE), Vocab. match (DE), and Back Link (DE).

<http://more.dcu.gr>

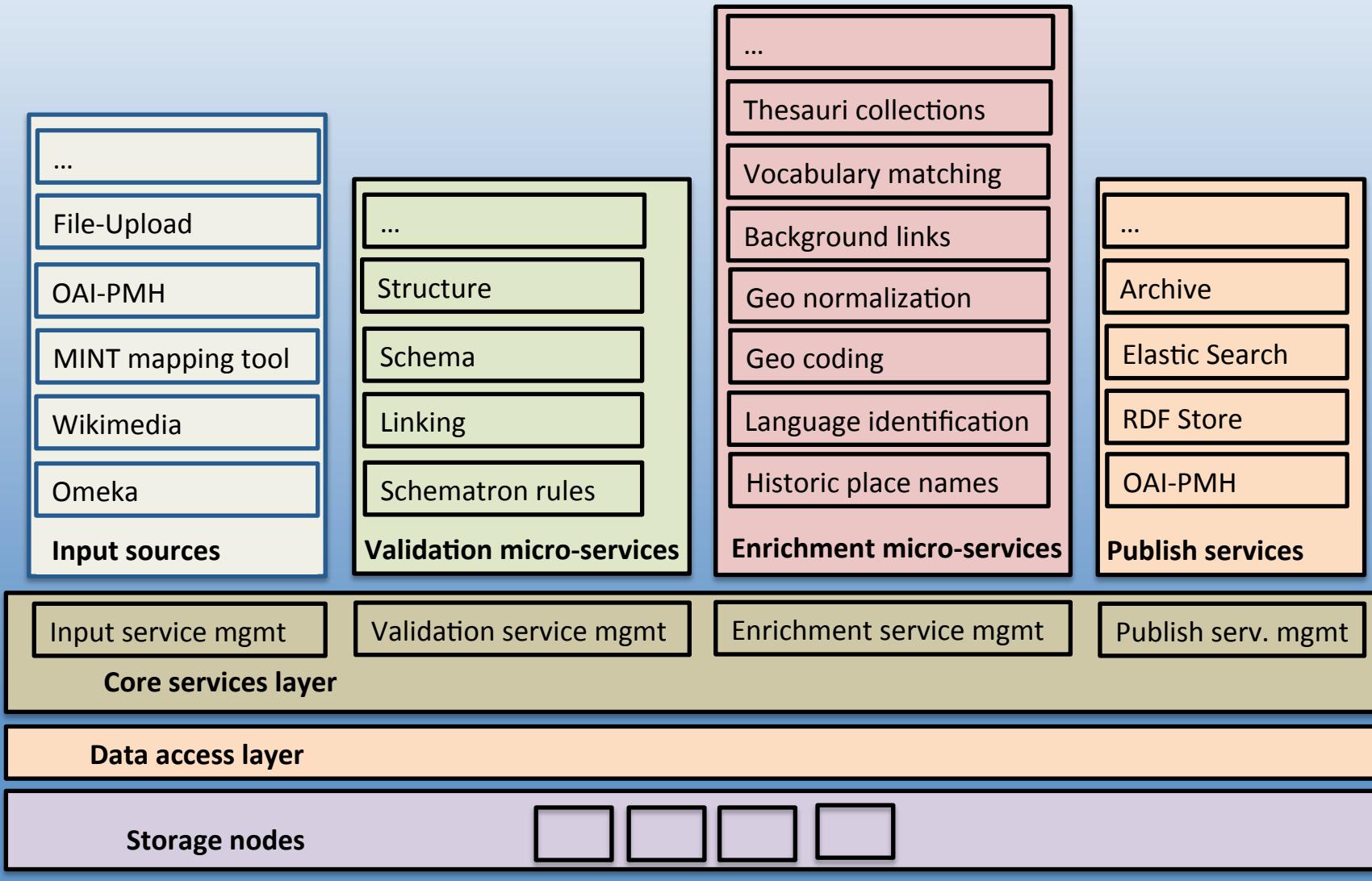
What is MORe

- Metadata aggregator
 - Easy to use
 - Flexible
 - Scalable
 - Validation
 - Metadata quality
 - Enrichment
- Used in various projects & infrastructures
(CARARE, 3D-ICONS, LoCloud, ARIADNE,...)

Workflow



Micro-services architecture

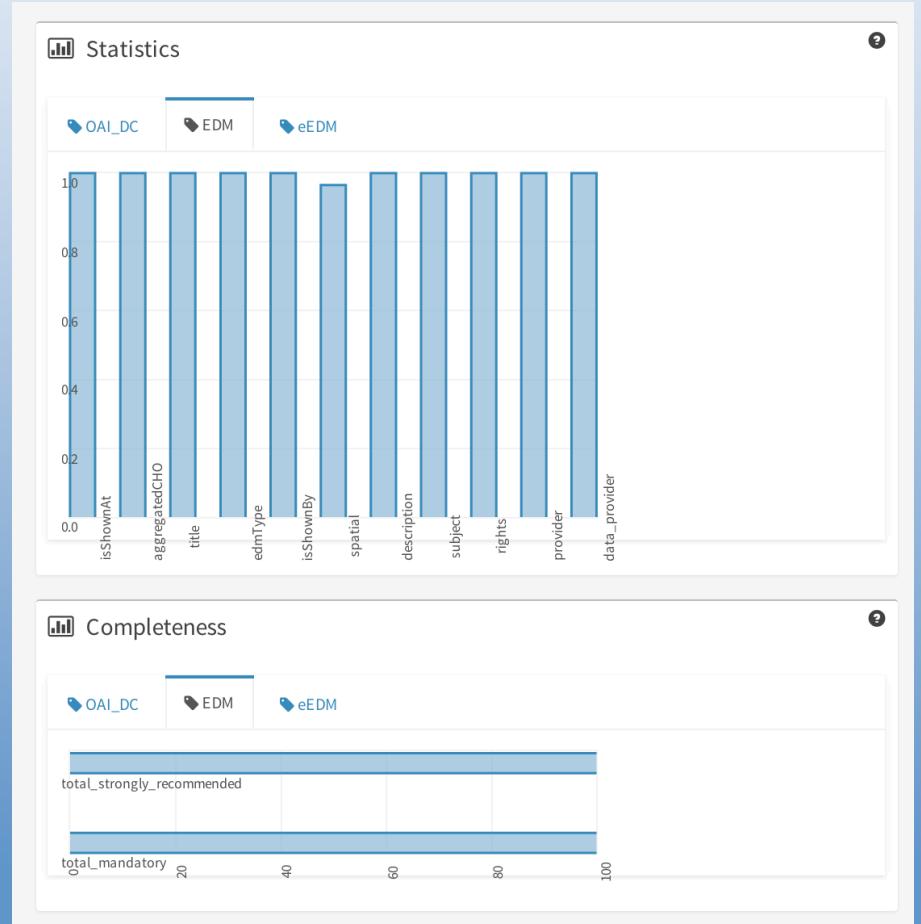


Flexible Validation

- Validation schemes
 - Integrity checking
 - XSD validation
 - Broken links
 - Schematron rule based validation

Metadata Quality

- Get completeness graphs for every package and
 - schema
 - element
 - Per mandatory/recommended set

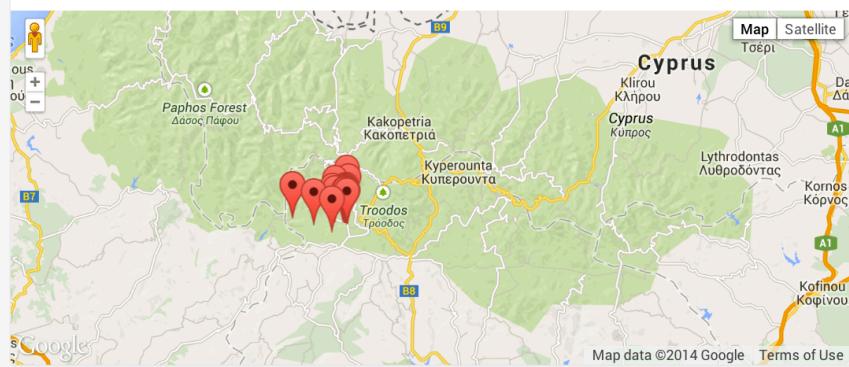


Metadata Quality

▲ Thematic Information

Subject	Count
analysis	29
TRANSVERSE ARROWHEAD	29
CLOAK	29
CAPE	29
INTRUSIVE EVENT	29
administrative areas	29
streams	29

❖ Spatial Information



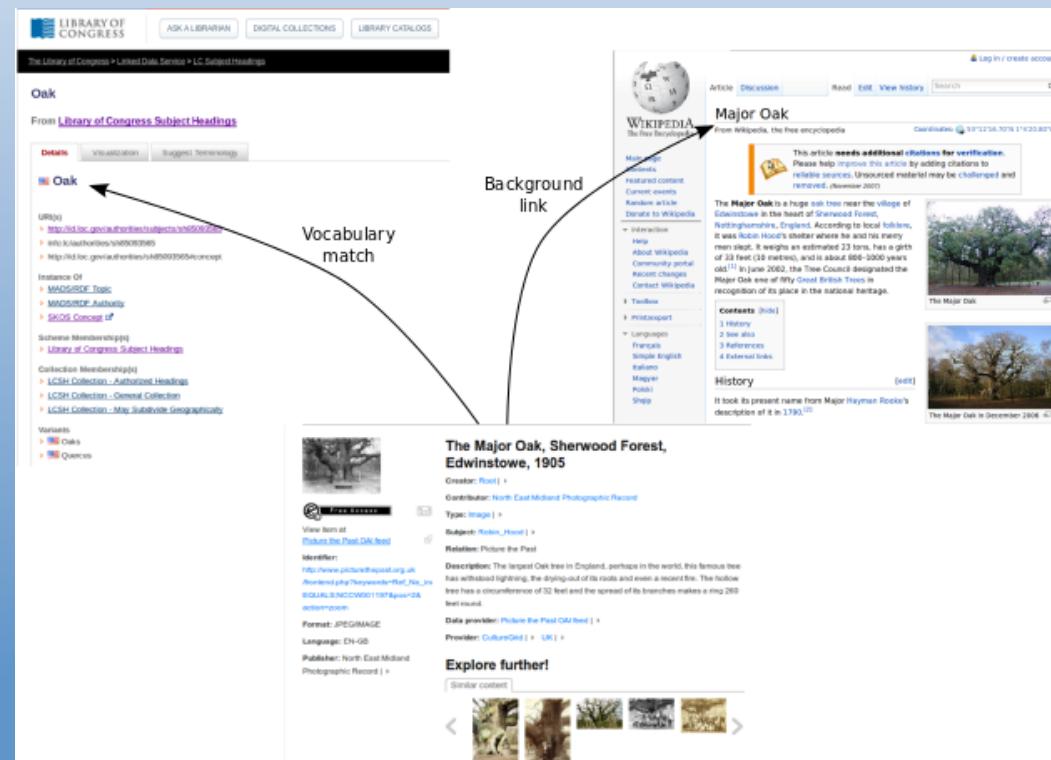
- On the fly indexing, analysis and intuitive presentation of:
 - Thematic information
 - Spatial information
 - Temporal information

Enrichment Micro-services

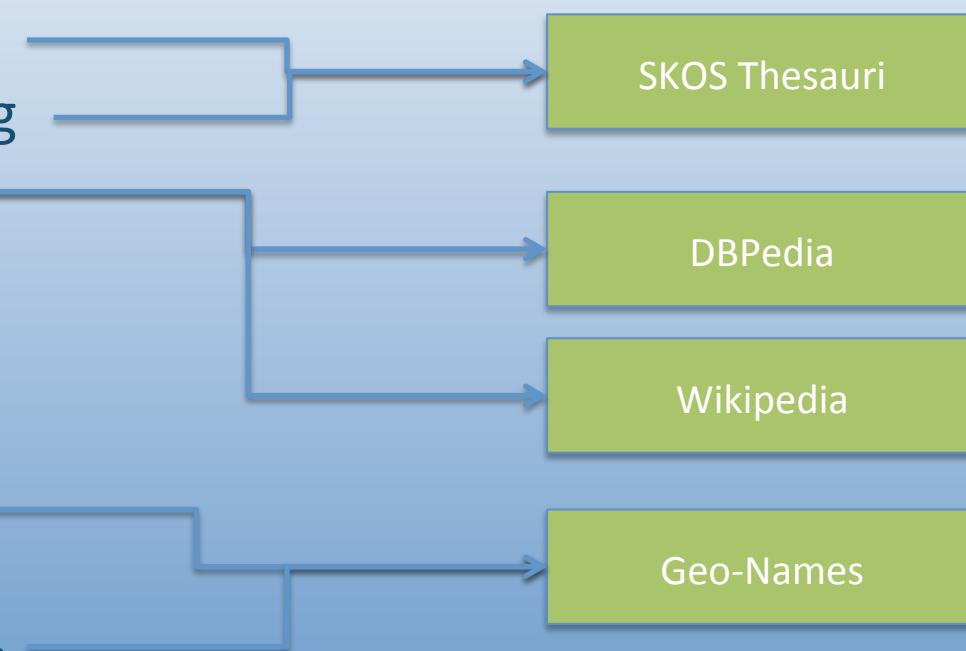
<p>Deactivate</p> <p>Language</p> <p>[EDM] Language Identification</p> <p></p> <p>More info ↗</p>	<p>Deactivate</p> <p>GeoNorm</p> <p>[EDM] Geo Normalization</p> <p></p> <p>More info ↗</p>	<p>Deactivate</p> <p>LoGeo</p> <p>[EDM] GeoLocation Enrichment</p> <p></p> <p>More info ↗</p>
<p>Deactivate</p> <p>Geocode</p> <p>[EDM] Geonames Geocoding</p> <p></p> <p>More info ↗</p>	<p>Deactivate</p> <p>Rev.Geocode</p> <p>[EDM] Geonames Rev. Geocoding</p> <p></p> <p>More info ↗</p>	<p>Deactivate</p> <p>Vocabulary</p> <p>[EDM] Vocabulary</p> <p></p> <p>More info ↗</p>
<p>Deactivate</p> <p>Vocab. match</p> <p>[EDM] Vocabulary Matching</p> <p></p> <p>More info ↗</p>	<p>Deactivate</p> <p>Back Link</p> <p>[EDM] Background Link</p> <p></p> <p>More info ↗</p>	<p>Deactivate</p> <p>DaiGazeteer</p> <p>[EDM] DaiGazeteer</p> <p></p> <p>More info ↗</p>
<p>Deactivate</p> <p>Pelagios</p> <p>[EDM] Pelagios</p> <p></p> <p>More info ↗</p>	<p>Deactivate</p> <p>GeoInversion</p> <p>[EDM] GeoInversion</p> <p></p> <p>More info ↗</p>	<p>Deactivate</p> <p>CRS Transform</p> <p>[EDM] CRS Transform (Beta Version)</p> <p></p> <p>More info ↗</p>
<p>Activate</p> <p>British National Grid</p> <p>[EDM] British National Grid Transform (Beta Version)</p> <p></p> <p>More info ↗</p>	<p>Deactivate</p> <p>Perio.do mappings</p> <p>[EDM] Perio.do</p> <p></p> <p>More info ↗</p>	

Why enrichment ?

- The enrichment process:
 - normalizes your content
 - creates links among resources
 - adds new information
- And thus improves:
 - Interoperability
 - Discoverability

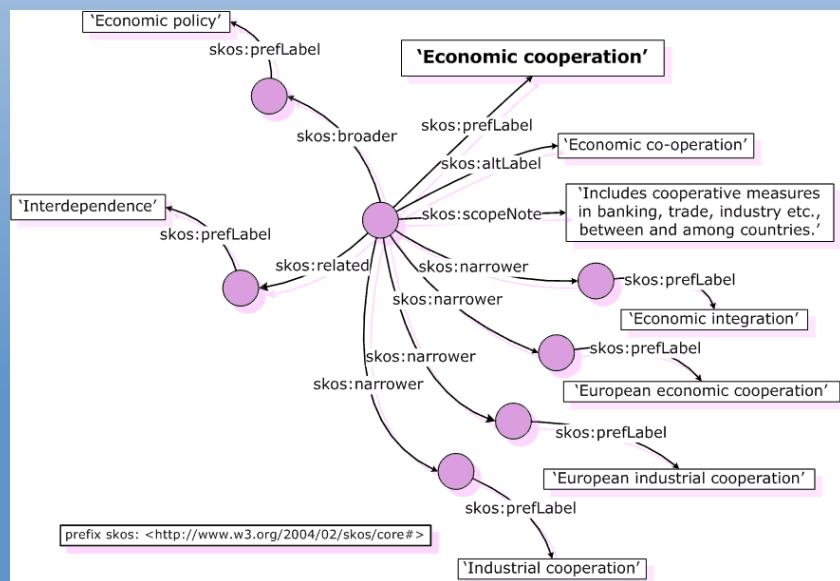


Access to resources

- Thematic
 - Thesauri collections
 - Vocabulary matching
 - Background links
 - Spatial
 - Geo normalization
 - Geo coding
 - Reverse geo-coding
 - Historic place names
 - Other
 - Language identification
- 
- The diagram illustrates the access paths from thematic and spatial categories to various resources. It features four green rectangular boxes on the right: 'SKOS Thesauri', 'DBpedia', 'Wikipedia', and 'Geo-Names'. On the left, there are two main sections: 'Thematic' and 'Spatial'. The 'Thematic' section contains three items: 'Thesauri collections', 'Vocabulary matching', and 'Background links'. The 'Spatial' section contains four items: 'Geo normalization', 'Geo coding', 'Reverse geo-coding', and 'Historic place names'. Blue arrows connect the items in each section to their corresponding resource boxes. Specifically, 'Thesauri collections' and 'Vocabulary matching' point to 'SKOS Thesauri'; 'Background links' points to 'DBpedia'; 'Geo normalization', 'Geo coding', and 'Reverse geo-coding' point to 'Wikipedia'; and 'Historic place names' points to 'Geo-Names'.

Subject

- We access to over 30 SKOSified thesauri



Author	Name of vocabulary
University of California, Santa Barbara	Alexandria Digital Library Feature Type Thesaurus
Royal Commission on the Ancient and Historical Monuments of Scotland (RCAHMS)	Archeological Objects Thesaurus Scotland
English Heritage	Archeological Sciences Thesaurus
English Heritage	Building Materials Thesaurus
English Heritage	Components Thesaurus
American Folklore Society	Ethnographic Thesaurus
English Heritage	Event Type Thesaurus
English Heritage	Evidence Thesaurus
English Heritage	FISH Archeological Objects Thesaurus
Eionet	General Multilingual Environmental Thesaurus
European Environment Information and Observation Network	GEMET
Federation Internationale des Archives du Film (FIAF)	General Subject headings for Film Archives
The Discovery Programme	Irish Monuments
The Discovery Programme	Irish Periods
Royal Commission on the Ancient and Historical Monuments of Scotland (RCAHMS)	Maritime Craft Thesaurus Scotland
English Heritage	Maritime Craft Type Thesaurus
English Heritage and Royal Commission on the Historical Monuments of England	MDA Archaeological Objects Thesaurus
Royal Commission on the Ancient and Historical Monuments of Wales (RCAHMW)	Monument Thesaurus Wales
Royal Commission on the Ancient and Historical Monuments of Scotland (RCAHMS)	Monument Type Thesaurus
English Heritage	Period Thesaurus
Royal Commission on the Ancient and Historical Monuments of Wales (RCAHMW)	Period Thesaurus Wales
Bibliographic Standards Committee of the Rare Books and Manuscripts Section (ACRL/ALA)	Relator Terms for Use in Rare Book and Special Collections Cataloguing
Universidad de León	Tesauro de Ciencias de la Documentación
Library of Congress. Prints and Photographs Division	Thesaurus for Graphic Materials 1: Subject Terms
Library of Congress. Prints and Photographs Division	Thesaurus for Graphic Materials 2: Genre and Physical Characteristic Terms
Ministero per i Beni e le Attività Culturali	Thesaurus PICO 4.1
UKAT	UK Archival Thesaurus (UKAT)
UNESCO	UNESCO thesaurus



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Space

- We have own Geo-names server



The logo for Geonames features the word "Geonames" in a large, black, sans-serif font. The letter "o" is replaced by a blue globe icon with latitude and longitude lines.



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Time

- We have our own Perio.do database

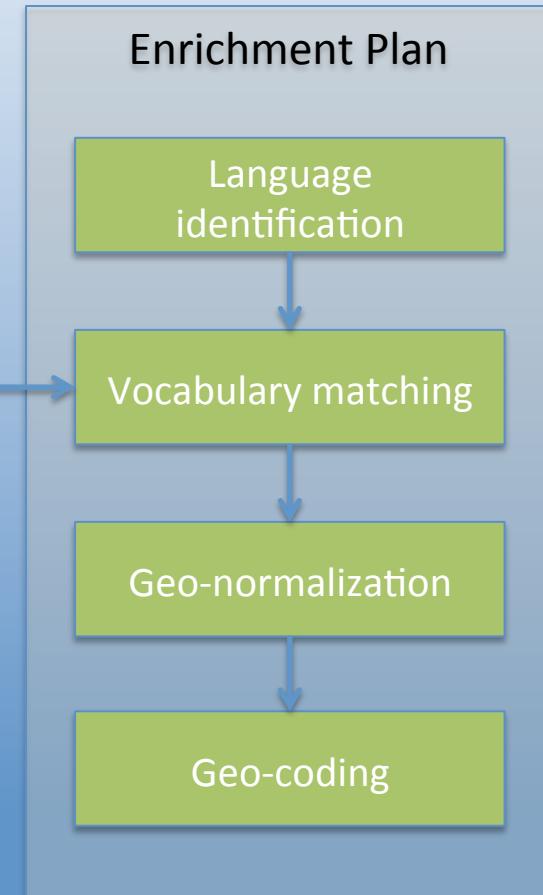
PeriodA black clock face with three visible numbers: 12 at the top, 1 at the bottom, and 10 on the left. The hour hand is at 1, and the minute hand is at 12. The word 'Period' is written in a large, bold, black sans-serif font, with the letter 'o' replaced by the clock icon.

Enrichment plans

- Enrichment plans provide a simple way of streamlining the execution of the above enrichment services in order to create powerful

Add subject collection A only if term X or Y are matched

An enrichment plan can pass on content specific parameters that match your data



A simple use case



Title Νεκρός αγωνιστής; Dead fighter

Time Date: 2011-05-24
Creation Date:

Provenance Identifier: <http://hdl.handle.net/10797/3755>
Institution: [University of Cyprus](#)
Provider: [Cyprus Ministry of Education and Culture](#)
Providing Country: [cyprus](#)
First Published In Europeana: 1970-01-01
Last Updated In Europeana: 1970-01-01

Copyright Rights: <http://www.europeana.eu/rights/rr-f/>

References And Relations Dataset: [2021706_Ag_CY_hdl_10797_248](#)



Leaflet | Tiles © MapQuest

35.151627° North, 33.37505° East

Similar Items



Chrysanthemum coronarium Field,



Flock, Nature, Cyprus



Evretou dam Chrysochous Area



Ophrys Alasatica (endemic), Troodos,

show more...

Entities PLACE NAMES (PLACES)

Native record (OAI_DC)

```
▼<oai_dc:dc xmlns:dc="http://purl.org/dc/elements/1.1/" xmlns:oai_dc="http://www.openarchives.org/OAI/2.0/oai_dc/ http://www.openarchives.org/OAI/2.0/oai_dc.xsd" xsi:schemaLocation="http://www.openarchives.org/OAI/2.0/oai_dc/ http://www.openarchives.org/OAI/2.0/oai_dc.xsd">
  <dc:title>Μεσαιωνικό Γεφύρι του Πισκόπου (Φοινί, Κύπρος)</dc:title>
  ▼<dc:creator>
    Γιάννης Νεοφύτου για το Κοινοτικό Συμβούλιο Φοινιού
  </dc:creator>
  <dc:subject>Medieval Bridges--Cyprus</dc:subject>
  <dc:subject>Medieval Bridge of Piskopi--Cyprus</dc:subject>
  <dc:subject>Phini--Cyprus</dc:subject>
  ▼<dc:description>
    Το «Γεφύρι του Πισκόπου», κοντά στην κοινότητα Φοινιού, έχει ημικυκλικό τόξο ανοίγει στα άκρα, και ανάμεσα με ακατέργαστες σχεδόν πλάκες. Στην τοποθεσία «Γεφύρι του Κούρη» και μετά στο φράγμα του Κούρη.
  </dc:description>
  <dc:publisher>Library of Cyprus University of Technology</dc:publisher>
  ▼<dc:publisher>
    Digital Heritage Research Lab of Cyprus University of Technology
  </dc:publisher>
  <dc:contributor>Γιάννης Νεοφύτου</dc:contributor>
  <dc:date>16ος αιώνας</dc:date>
  <dc:type>TEXT</dc:type>
  <dc:format>text, jpg, video</dc:format>
  <dc:identifier>PHINI001</dc:identifier>
  <dc:identifier>https://apsida.cut.ac.cy/items/show/12239</dc:identifier>
  ▼<dc:identifier>
    https://apsida.cut.ac.cy/files/original/37c5378d206b6fb2adb22ddb53df2016.jpg
  </dc:identifier>
  ▼<dc:identifier>
    https://apsida.cut.ac.cy/files/original/2654120c6ffedd54fd80b3921a5b28fb.jpg
  </dc:identifier>
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  </dc:identifier>
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  </dc:identifier>
  <dc:source>Επίσημη Ιστοσελίδα Κοινότητας Φοινιού</dc:source>
  <dc:language>EN, EL</dc:language>
  <dc:coverage>34.897474, 32.775041</dc:coverage>
  ▼<dc:rights>
    Απαγορεύεται η δημοσίευση ή αναπαραγωγή, ηλεκτρονική ή άλλη χωρίς τη γραπτή συγ
  </dc:rights>
</oai_dc:dc>
```



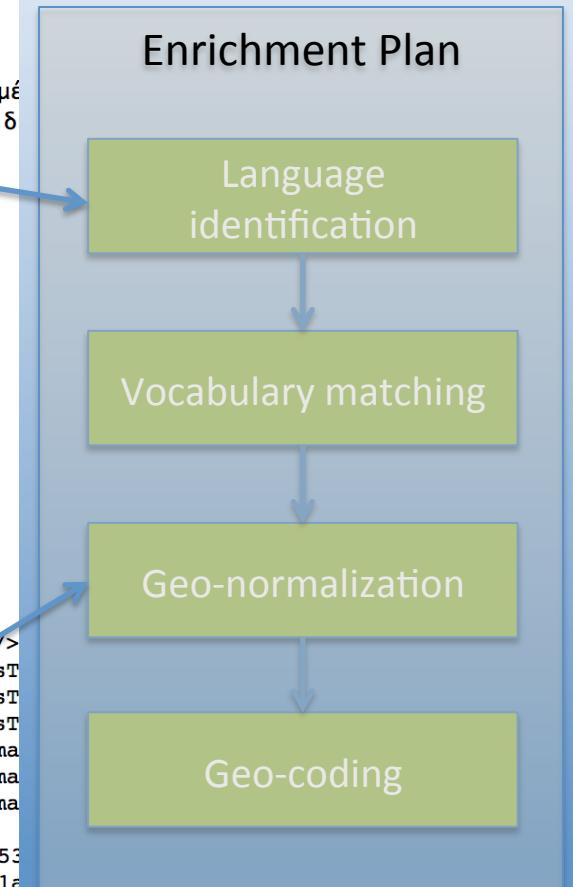
XSLT
Mapping

EDM Record

Missing language attributes

Place label is a concat
string of coordinates

Enriched EDM Record



Developers & Creative Industries API Integration

- MORe API allows to run the entire aggregation engine through REST
- Developers area
 - API key generation
 - API documentation with examples
 - Example Java projects for NetBeans & Eclipse IDEs

API Documentation

⚙ How to use the API

The first thing that the user should do is to find his own API key from the Settings.

Get Metadata Sources

Get all the Metadata Sources of the MORE aggregator using some filters if necessary.

Method GET http://more.locloud.eu:8080/MoRe_API/api/v1/metadataSources

Content application/json

Type

Custom X-API-Key

Headers

Request

Response [
`{"id": 38, "name": "Metadata source 3 -KAMRA", "projectId": 3, "type": "OAI_PMH"},
 {"id": 134, "name": "Test - duplications", "projectId": 3, "type": "OAI_PMH"}
]`

Status 200 : OK
500 : INTERNAL_SERVER_ERROR

How can I get it ?

- Free for small institutions
 - Up to 1000 items
 - Up to 3 publications / year
- Small & medium size institutions
 - Request a quote

Find out more at:

<http://more.dcu.gr>

Thank you
d.gavrilis@dcu.gr