Integrating Network of Terms into Cocoda Mapping Tool

SWIB23 Lightning Talk, 12 September 2023

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Network of Terms

is a “simple search API to query one or more terminology sources”
(as presented earlier by Enno Meijers)

Cocoda Mapping Tool

uses different APIs to access terminologies and makes it easy to create mappings between them
Steps

1. Understand Network of Terms’ GraphQL API and result data structure.
   (Very easy with the examples in the NoT tutorial wiki on GitHub)
2. Create a so-called “provider” for Cocoda to access the Network of Terms GraphQL API and retrieve terminologies and their terms/concepts.
   (Little transformation required as NoT uses SKOS-based data format)
3. Profit!?!
All terminologies from Network of Terms are now selectable as source/target schemes
Terms can be search for

and details are loaded after selecting a term/concept
Suggestions are shown by performing a simple string search in the target terminology.

<table>
<thead>
<tr>
<th>Suggestions</th>
<th>CR</th>
<th>coli-conc Suggestions</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>GeoNames:</strong> geografische namen in Nederland, België en Duitsland</td>
<td>Amsterdam (NL)</td>
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and those suggestions can be turned into a mapping!
Conclusion

- Both Network of Terms and Cocoda are fully open applications which makes it easy to integrate them with each other.
- It has potential to make it easier to get SPARQL-based vocabularies into Cocoda.
- More fine work is required for full compatibility.
Thank You!

Project coli-conc:
https://coli-conc.gbv.de

Cocoda Mapping Tool:
https://github.com/gbv/cocoda

Network of Terms: