### 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)
- 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!?!

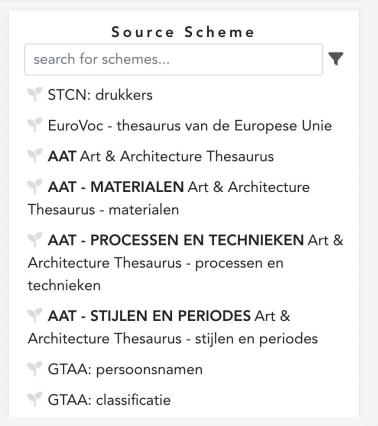




#### All terminologies from Network of Terms are now selectable as source/target schemes



#### Cocoda Mapping Tool







#### 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

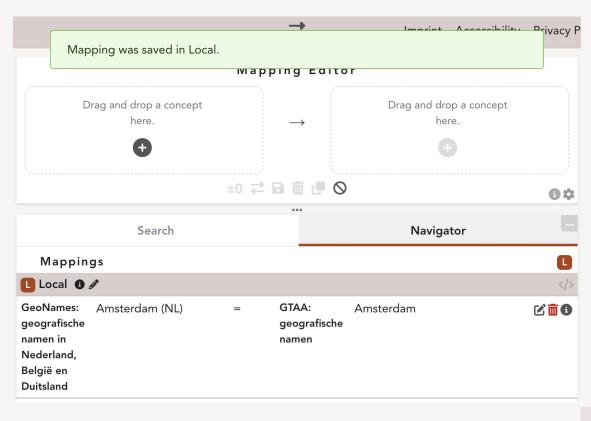
CR Suggestions CR coli-conc Suggestions GeoNames: GTAA: Amsterdam (NL) Amsterdam **a** geografische geografische namen in namen Nederland. België en Duitsland GeoNames: GTAA: Amsterdam (NL) Westerpark 8 geografische geografische namen in namen Nederland, België en Duitsland





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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:** 

https://github.com/netwerk-digitaal-erfgoed/network-of-terms



