

# Integrating Network of Terms into Cocoda Mapping Tool

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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

## Source Scheme



- STCN: drukkers
- EuroVoc - thesaurus van de Europese Unie
- AAT** Art & Architecture Thesaurus
- AAT - MATERIALEN** Art & Architecture Thesaurus - materialen
- AAT - PROCESSEN EN TECHNIEKEN** Art & Architecture Thesaurus - processen en technieken
- AAT - STIJLEN EN PERIODES** Art & Architecture Thesaurus - stijlen en periodes
- GTAA: persoonsnamen
- GTAA: classificatie

# Terms can be search for

GeoNames: geografische namen in ▼  
Nederland, België en Duitsland ✕

Q amsterdam ⚙️

▲Gemeente Amsterdam (NL)  
▲Provincie Noord-Holland

✕ Amsterdam (NL) ★ +

**Concept** Meta Links

Amsterdam (NL) preferred; und  
Ámsterdam alternative; und  
amstrdam alternative; und  
อัมสเตอร์ดัม alternative; und





GeoNames: geografische namen in ▼  
Nederland, België en Duitsland ✕

Q amsterdam 6 results ⚙️

Amsterdam (NL)  
Duivendrecht (NL)  
Sloterdijk (NL)  
Amsterdam-Duivendrecht (NL)  
Amsterdam-Zuidoost (NL)  
Klein Amsterdam (NL)

and details are loaded after selecting a term/concept

# Suggestions are shown by performing a simple string search in the target terminology

Suggestions		CR
CR coliconc Suggestions		</>
GeoNames: Amsterdam (NL) geografische namen in Nederland, België en Duitsland	GTAA: Amsterdam geografische namen	 
GeoNames: Amsterdam (NL) geografische namen in Nederland, België en Duitsland	GTAA: Westerpark geografische namen	 

and those suggestions can be turned into a mapping!

The screenshot shows a web-based Mapping Editor interface. At the top, a green notification box states "Mapping was saved in Local." Below this, the "Mapping Editor" title is centered. The main workspace is divided into two dashed boxes, each containing the text "Drag and drop a concept here." and a plus sign icon. An arrow points from the left box to the right box. Below the workspace is a toolbar with icons for zooming, undo, redo, save, delete, copy, and a lock icon. At the bottom, there is a "Search" and "Navigator" section. The "Navigator" is active and shows a list of "Mappings". The first mapping is selected and shows a link icon (L), an information icon (i), and a pencil icon. The mapping details are as follows:

Source	Target
GeoNames: Amsterdam (NL) geografische namen in Nederland, België en Duitsland	GTAA: Amsterdam geografische namen

# 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>