

# Knowledge-based Access to Historical Texts

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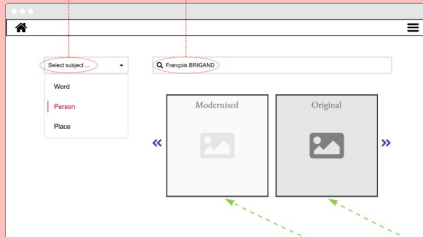
Muhammad Azeem Arshad

Hategekimana Ganza Fabrice



# User scenario

USER



DEV

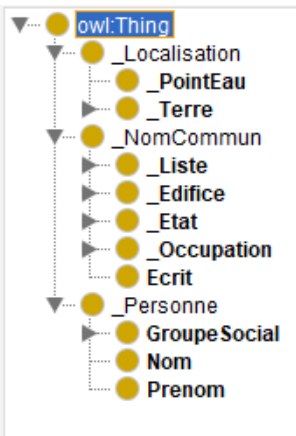
Create SWRL query using these two info to return an Individual

With the help of the Owl Ontology find all the information regarding this individual

Select the page where this individual can be found within the modernised transcripts.

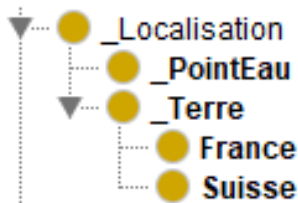
And then print both original and modernised version of transcripts side by side for the user.

# Usage de l'ontologie (1)



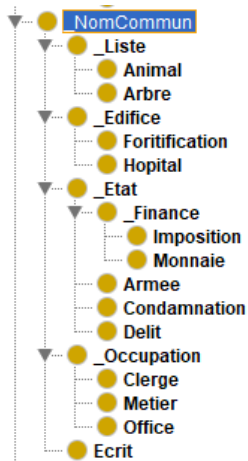
- Termes avec " \_ ": non-présents dans l'index
- 3 classes principales: **Localisation**, **NomCommun** et **Personne**

## Usage de l'ontologie (2)



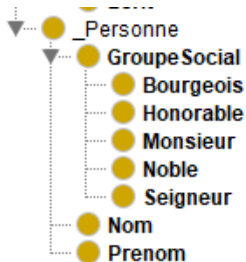
- Eaux: mentions des rivières principales
- 
- Mentions des villes selon territoires modernes de France et Suisse
  - mentions des villes des autres pays: non-pertinents
  - e.g. dans index:  
*Genthod (CH, ct. Genève)*

# Usage de l'ontologie (3)



- Edifice: Mentions importantes de batiments (Bastion, ponts, château,...)
- Etat:
  - Finance: nombre de mentions importantes
    - Imposition: dîme, loyer, taxe,
    - Monnaie: Sou, franc, quart,...
  - Delit: 3 pages de l'index-1543
- Ecrit: touche tout les domaines (correspondances, registre, santé, droit,...)

## Usage de l'ontologie (4)



- Permet de lier toutes les personnes avec des informations dans les classes ci-dessus

# References



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Arkivo: an ontology for describing archival resources.

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Zhiyu Wang, Zhiping Song, Guang Yu, and Xiaoyu Wang.

An ontology for chinese government archives knowledge representation and reasoning.

