

Semantic Technologies and ExploreAT!

Alexander.OConnor@dcu.ie

Types of Relationships In the Dictionary

- Lemma
- Senses
 - Related Terms
 - Pronunciation
 - Geographical Usage
 - Temporal Usage

Types of Relationships In the Dictionary

Source Information

- Lemma
- Senses
 - Related Terms
 - Pronunciation
 - Geographical Usage
 - Temporal Usage

Types of Relationships In the Dictionary

People

Source Information

- Lemma
- Senses
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Types of Relationships In the Dictionary

People

Source Information

Geography

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Reference Dictionary

Types of Relationships In the Dictionary

People

Source Information

Geography

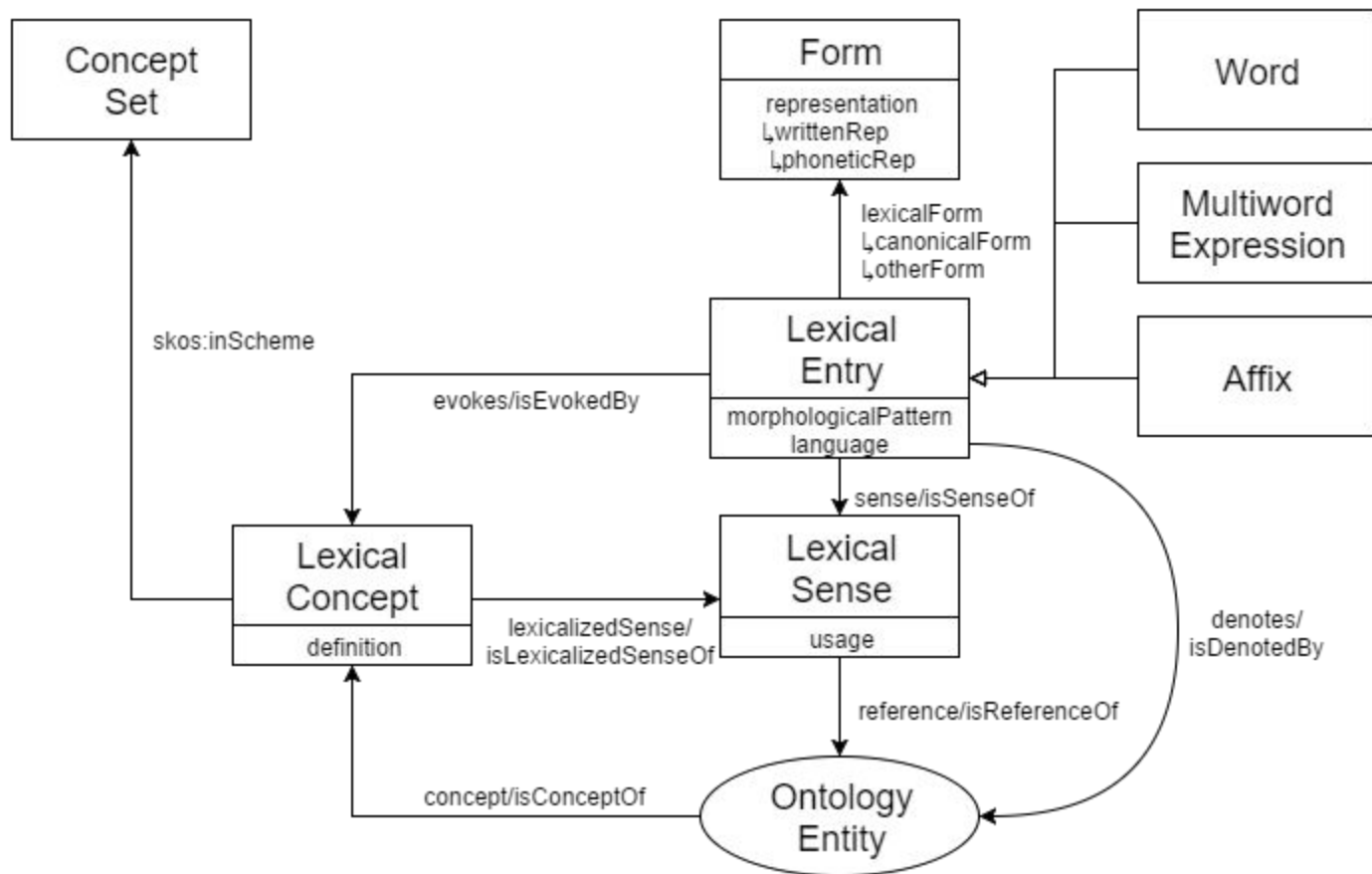
- Lemma
- Senses
 - Related Terms
 - Pronunciation
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Reference Dictionary

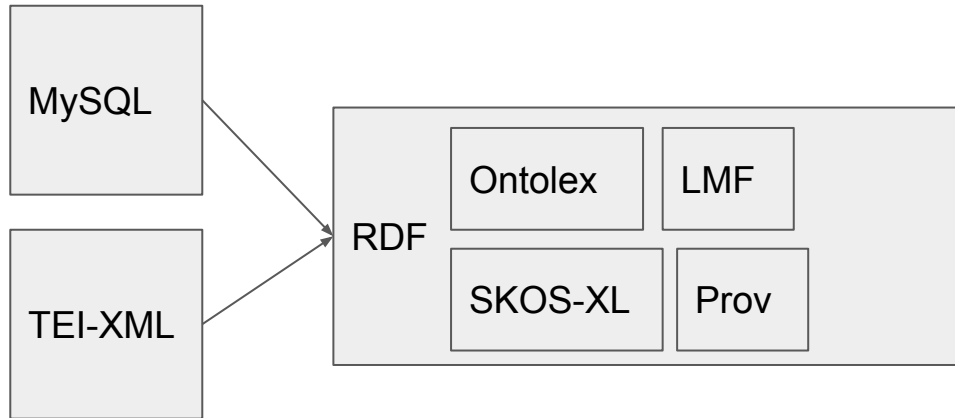
Provenance

Previous Work

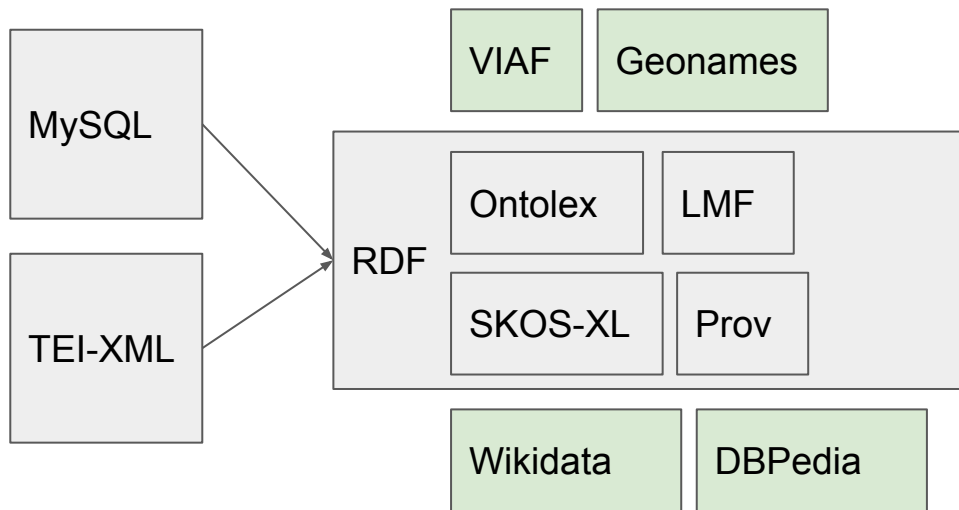
- SKOS-XL + Lemon + LMF
- DBpedia/Wiktionary



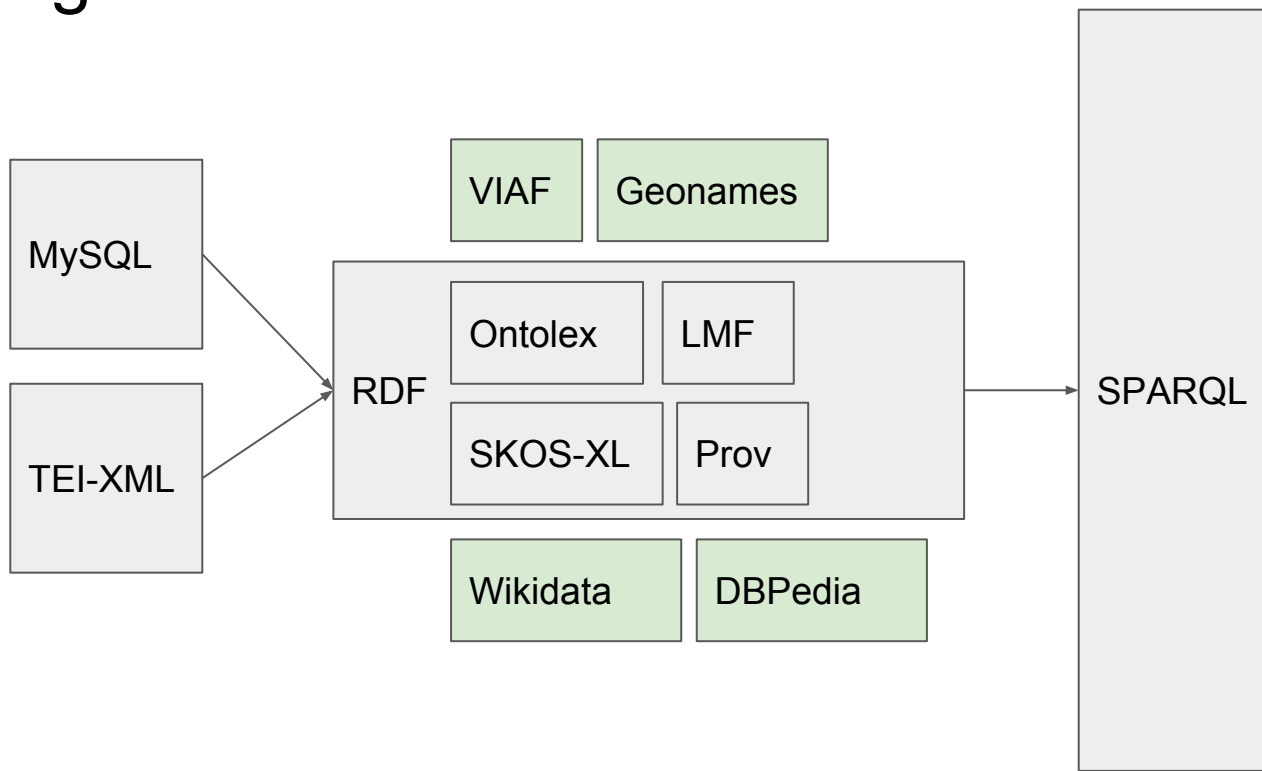
Ingestion Framework



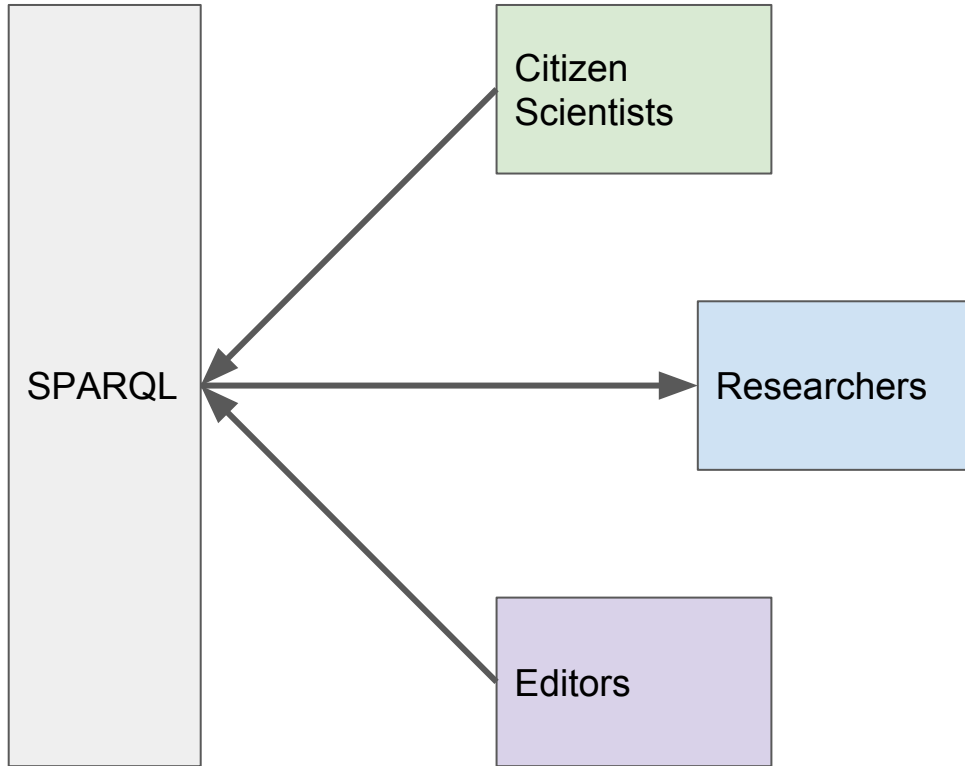
Ingestion Framework



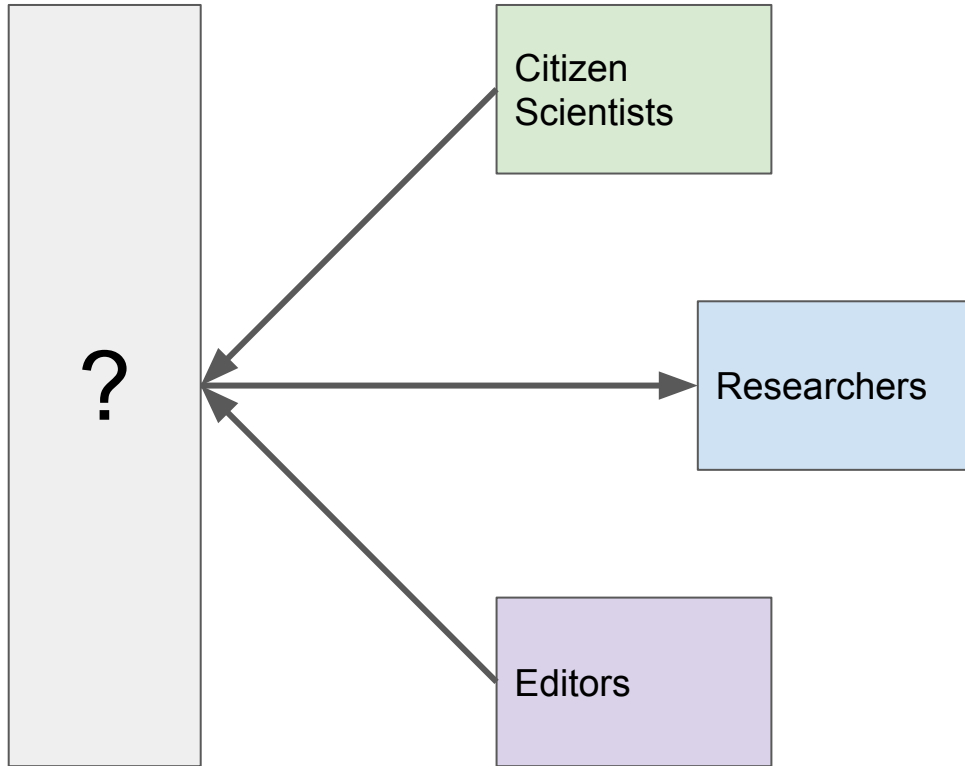
Ingestion Framework



Clients



Clients



Reference Concept Models



Reference Dictionary

Wikidata for Wiktionary

Let's get ready for lexicographical data!

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Open Questions

- **Platform:** Can we perform (federated) queries responsively?

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- **Linked Services:** Do we wait for Wiktionary?

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- Platform: Can we perform (federated) queries responsively?
- Linked Services: Do we wait for Wiktionary?
- **Use Cases:** What is the *killer application* for this approach?