

Publishing and sharing historical data on the semantic web : the SyMoGIH project – symogih.org

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Resources interlinking

- provide a stable URI:
<http://symogih.org/resource/Actr195>
- provide a human-readable resource description
- dereference over the HTTP protocol into a RDF representation
- interlink resources :
<http://symogih.org/resource/Actr195>
`owl:sameAs http://www.idref.fr/026947676/id ;`
`owl:sameAs http://d-nb.info/gnd/118561448 .`

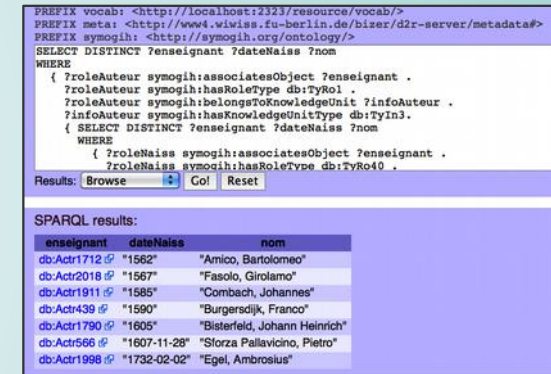
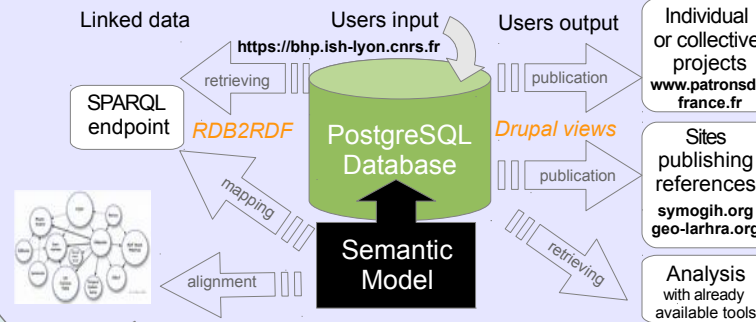


Data integration

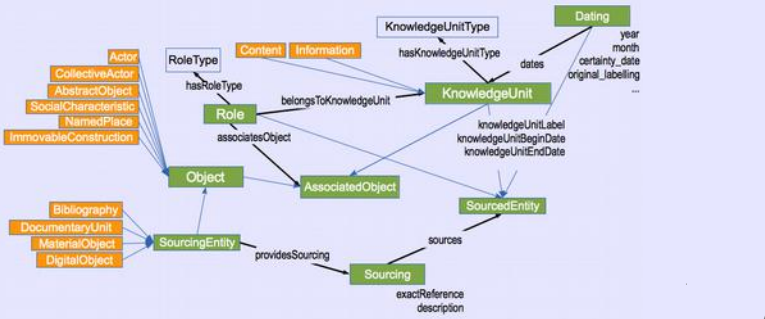
- evaluate data freshness, quality, sourcing
- automate resources alignment
- align ontologies
- solve performance issues in federated queries
- import data dumps
- produce and store new geo-historical knowledge



Open, modular, collaborative platform for storing, analyzing and publishing historical data and texts



Providing a suitable ontology



Alternatives: 'Factoid' data model; Simple event ontology; CIDOC-CRM; ...

Sharing knowledge over the web of data

- define data publishing rules and licence
 - Etalab Open licence
 - ODC Open Database License (ODbL)
 - ...
- rewrite the data according to RDB2RDF principles and to the adopted ontology
- create a SPARQL-endpoint using D2RQ
- periodically dump the data and put them in a OpenLink Virtuoso triple store to improve queries performance

