Exploiting DBPedia for use in Primo

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IGeLU 2011, Haifa, Linked data and ExLibris products
Motivation

More context!

for authors,
subjects,
locations
...

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Idea – enrichment with linked data sources

Enrichment:
- pipes
- just-in-time
The linked data approach (1)

Problem: no URIs
The linked data approach (2)

Request SPARQL service by using unique identifiers

Integrate data into Primo
Identifier

- For the SPARQL approach
  - Unique identifiers!
  - Otherwise queries would be too expensive
- We have unique identifiers for german authority file (GND)
  - For persons (PND)
  - For subjects (SWD)
  - For institutional bodies (GKD)
- Wikipedia also uses PND!
- GND is also part of the VIAF project
Problems of the SPARQL approach

• Reliability
• Availability
• Performance
Our solution (1)

request local webservice by using AJAX requests

integrate JSON data into Primo
Our solution (2)
Further Steps

• Enrich wikipedia tab with image, categories, ...

• Improve performance of tab integration

• Use other linked data datasets
  • GND (German Authority File) for authors and subjects
  • Linked geo data for locations
  • Europeana
The best consuming approach

1. Use URIs
2. Use SPARQL Services / semantic indexes
3. Use Caching
Suggestion 1

(just in time) Enrichment Configuration in back office:

1. Location of SPARQL endpoints
2. SPARQL query to enrich one specific field of pnx record
3. Choose trustworthy sources/SPARQL endpoints with fixed fields in the PNX
4. Flexible display of results: table, map, graph

Use Case:
Suggestion 2

New search type:

federated, deep search, local, + LD search?

New harvesting type:

harvesting from SPARQL-Services
Thank you for your attention!

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