CROSS-DOMAIN USE OF VIAF IN SPAIN

Four use cases

Ricardo Santos
National Library of Spain

Authority data on the web
WLIC 2016 Satellite Meeting
August 12th, 2016
OCLC, Dublin, OH, USA
Reading guide: the cross-domain bar

- More library-ish
- Less library-ish
Use case 1: BNE (I)

Use in BNE linked data platform [http://datos.bne.es](http://datos.bne.es):
Use case 1: BNE (II)
VIAF identifier as a crosswalk to integrate third parties data:

<table>
<thead>
<tr>
<th>BNE RECORD</th>
<th>XXX RECORD</th>
</tr>
</thead>
<tbody>
<tr>
<td>001 BNE33333333</td>
<td>001 XXX2222</td>
</tr>
<tr>
<td>024 676878767 $2 orcid</td>
<td>024 676878767 $2 orcid</td>
</tr>
<tr>
<td>100 1 $a Somebody</td>
<td>100 1 $a Someone</td>
</tr>
<tr>
<td>370 $a Sevilla</td>
<td>370 $a Sevilla</td>
</tr>
<tr>
<td>374 $a Teacher</td>
<td>374 $a Teacher</td>
</tr>
<tr>
<td>375 $a Male</td>
<td>375 $a Male</td>
</tr>
</tbody>
</table>

BNE VIAF monthly update

Recommendation: include VIAF identifiers in your records
Use case 2: Polymath Virtual Library

Aims:

• Bring together data, digital texts and websites about Spanish, Hispano-American, Brazilian and Portuguese polymaths from all times.

• Aggregates information about thinking, philosophy, politics, science, etc., in any language (Latin, Arabic, Hebrew, Spanish, Portuguese ...)

• Based in authors and its attributes and relationships
Use case 2: **Polymath Virtual Library**

**Linking with VIAF**

- **Manually**
  - Search VIAF Website
  - Download MARC21 XML record
  - Edit MARC21 record to add 024 fields
  - Import MARC21 edited records

- **Semiautomatically**
  - Search VIAF API and obtain MARC XML records
  - Human revision (False positives)
  - Extract VIAF Links from selected sources (VIAF, LCCN, BNE, BNF, Wikidata...)
  - Generate new MARC 21 records
  - Substitute original records

---

**FUNDACIÓN IGNACIO LARRAMENDI**

---

CROSS-DOMAIN USE OF VIAF IN SPAIN
Use case 3: **Dialnet**

Use of VIAF

- DIALNET is the biggest database of scientific literature in Spanish, providing references of scientific journal papers, books, collective works, conferences proceedings, thesis. Also repository of full text articles.
- Participant institutions’ libraries (university, research centers), contributes their references and curates their authors’ pages.
- BNE authors [linked](#) to Dialnet authors, when available.
Use case 3: Dialnet

- VIAF used to enrich authors page.
- Dialnet performs two harvesting processes against VIAF:
  - Ask the VIAF identifier using the BNE identifier.
  - Ask other identifiers through VIAF identifier. Get JSON:

```json
{
  "viafID": "122662902",
  "B2Q": "0000006176",
  "BAV": "ADV10038473",
  "BNE": "XX98098",
  "BNF": "http://catalogue.bnf.fr/ark:/12148/cb12045063c",
  "BNL": "000001480",
  "DNB": "http://d-nb.info/gnd/2034462-4",
  "ISNI": "0000000109402610",
  "LAC": "0014C1671E", "0014C1671F",
  "LC": "n50056074",
  "NDL": "00828541",
  "NLA": "000035226633",
  "NUKAT": "vtls000108034",
  "RERO": "vtls009007963",
  "SUDOC": "028661141", "119754371"
}
```

- Pick selected ids: LoC, ISNI, WkP, IdRef.
Use case 4 : Fundación Juan March

• Private institution founded in 1955.
• Promotes activities and collects resources on contemporary music and art, and on social sciences.
• Integrates several internal data sources.
• VIAF ids to help entwine data from its library, archive, museum... sources. Also to enrich data.
• Developed an in-house application integrated in its exhibitions workflows to get and ingest data from VIAF
Use case 4: Fundación Juan March
Use case 4: Fundación Juan March

DEMO VIDEO
Acknowledgments

- Fundación Ignacio Larramendi:
  Xavier Agenjo, Patricia Juez, Francisca Hernández

- Dialnet
  Eduardo Bergasa

- Fundación Juan March
  Luis Martínez Uribe, Joaquín Solís, Vicente J. de Ayala, José Manuel García