VOCABULARY USAGE IN DATOS.BNE.ES

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Reuse as much as possible.

Maximize the coverage of mappings from MARC 21 to RDF.
It is important to note that these mapping templates cover all metadata elements and elements combination found in the source records, which in turn helps librarians to work based on real data elements and to identify possible errors in the source data (e.g. field combinations that DO NOT conform to the MARC standard). Moreover, this data-based approach to mapping helps to analyse to which extent are MARC elements mapped to RDFS/OWL. In the case of datos.bne.es there are still many MARC elements currently not mapped to RDF, as it can be seen in the mappings presented in this website.

The following diagram provides an example that can help to illustrate the process of mapping generation and mapping assignment dealt with in this website:
DCMI Elements
DCMI Terms
IFLA FRAD
IFLA FRBRer
IFLA FRSAD
IFLA ISBD Elements
MADS/RDF
RDA Group 2 Elements
RDA Relationships for WEMI
SKOS

BE PRAGMATIC
WHAT IS THE CORE DATA MODEL?

IFLA FRBR

Ok, and how does the data look?
WHY THIS?

frbr:Person

frbr:Work

frbr:Expression

frbr:Manifestation
AND NOT THIS?
1. Nº OF AUTHORITY RECORDS
2. CLUSTERING OF RESOURCES IS **EXPLICIT** IN THE DATA (AND THE MODEL)
Cervantes Saavedra, Miguel de > Don Quijote de la Mancha

Atributos
- tiene título de la obra:
  Don Quijote de la Mancha

Expresiones
- Francés
- Inglés
- Holandés
- Alemán
- Italiano
- Catalán
- Vasco

Enlaces a otros datasets
- http://viaf.org/viaf/184296284
- http://ibris.kb.ee/resouro/auth/285481
- http://www.idref.fr/027300095/id

3. LINKS TO OTHER DATASETS
Also at **Work** and **Expression** levels
(VIAF, idRef, etc.)
LINKS TO EXTERNAL DATASETS
Also at the Work and Expression level (VIAF, idRef, etc.)
The user can access the “curated and reliable” cluster of editions of Don Quijote de la Mancha in Italian.
SOME ISSUES

• Pure FRBR representation not always possible
  \textit{dct:subject, dct:language} at \textit{Manifestation} level instead of \textit{Work} level

• Around 30\% of bibliographic records still not connected to their Expression

• Manifestations are mostly described with strings, not many links

• Does the modelling seem to complex to people outside the library community?
POOR?  

RICH

NEXT STEP

APIs

Data portal

For developers
JSON(LD)
LDP, LD API

For humans and machines
(schema.org)

BNE Knowledge Graph
(RDF with rich data model)

MARC 21, XML, metadata schemas

SPARQL
HTTP
MORE INFO AT

- http://datos.bne.es
- “datos.bne.es and MARiMbA: An insight into Library Linked Data”. Vila-Suero and Gómez-Pérez. Library Hi-tech, to appear 2013

THANK YOU VERY MUCH

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