

Extensions for past and future relationships

Fredrik Klingwall / National Library of Sweden

Moving forward

Past: String-matching of components within library systems.

- Predictable
- Agreed upon rules because of a similar needs.

Future: Linking to things on the internet using identifiers.

- Unpredictable
- Diverse description ontologies because of varying needs.

Coming from a controlled environment

2 general conversion challenges.

Repetitions and groupings

260 - Publication, Distribution, etc. (Imprint) (R)

\$a - Place of publication, distribution, etc. (R)

\$b - Name of publisher, distributor, etc. (R)

\$c - Date of publication, distribution, etc. (R)

In our database of ca 10 million bibliographic records this created 1300+ variations of subfield order.

Presentational details inside the data

That did not include impact of the ISBD rules...

Still within “our” domain

Model Patterns deviations showing up within our own data.

BF2 title - VariantTitle

MADS hasVariant

Maintenance...

Not using marcKey properties

Property:	name00MarcKey
URI:	http://id.loc.gov/ontologies/bflc/name00MarcKey
Label:	MARC key for X00 Names
Definition:	String for personal name matching.
Used with:	Used with Work, Instance or Item
Expected Value:	rdfs:Literal
Change Notes:	2017-02-02 (New)

[\[back to property list\]](#) [\[back to top\]](#)

In Libris XL

- Properties being closer to the RWO of agents.

Example for a person: given name, family name

- Actually requires higher precision/specificity than MARC *if* we want to automatically create predictable labels because of ordering.

```
100 1#$aBeethoven, Ludwig van,$d1770-1827$c (Spirit)
```

```
100 1#$aChurchill, Winston,$cSir,$d1874-1965.
```


Presentation of properties for a person.

```
"Person": {  
  "@id": "Person-chips",  
  "@type": "fresnel:Lens",  
  "classLensDomain": "Person",  
  "showProperties": [ "familyName", "givenName", "name",  
"marc:numeration", "marc:titlesAndOtherWordsAssociatedWithAName",  
"marc:fullerFormName", "lifeSpan" ]  
},
```

Beethoven, Ludwig van, (Spirit) 1770-1827

Churchill, Winston, Sir, 1874-1965

Specificity

\$c - Titles and words associated with a name

100 1# \$aSeuss, \$cDr.

honorificPrefix

Thing > Property > honorificPrefix

An honorific prefix preceding a Person's name such as Dr/Mrs/Mr.

100 1# \$aMunro, Jean, \$cPh. D.

honorificSuffix

Thing > Property > honorificSuffix

An honorific suffix preceding a Person's name such as M.D. /PhD/MSCSW.

Familiarity and Ambiguity

schema:givenName,

foaf:givenName,

rdaa:P50292 (rdaa:givenName.en)

PropertyP735 (given name)

madsrdf:GivenNameElement ???

“The more closely conscious subjects stick to common words, idioms, phrasings, and topics, the more easily others can surmise their meaning;”

<https://en.wikipedia.org/wiki/Pragmatics>

Coming from MARC it does not always pan out...

Need for prefLabels for different contexts?

Fairly sure his parents didn't give him the name H.G.

FAMILY NAME	Wells
GIVEN NAME	H. G.
DATE ASSOCIATED	1866-1946
HASVARIANT	<ul style="list-style-type: none">› Person: Wells • Herbert George • 1866-1946› Person: Wells • H. G. • 1866-1946

Closely Matching Concepts from Other Schemes

 H. G. Wells   *Label from public data source Wikidata*

 Wells, H. G. (Herbert George), 1866-1946 

Redundant repeating

- Bliss, Reginald, 1866-1946
- Uells, Gerbert, 1866-1946
- Uèl's, Gerbert D., 1866-1946
- Vel's, Khèrbert Zh., 1866-1946
- Wells, Herbert George, 1866-1946
- Weruzu, H. G., 1866-1946
- Уэльс, Герберт Д., 1866-1946
- Уэллс, Гергерт, 1866-1946
- Вельс, Хэрберт Ж., 1866-1946

Unless these are reified statements do we really need the 1866-1946? certainly not for search in modern indexes.

Wikipedia (97 entries)  edit

af	H.G. Wells
ang	H. G. Wells
an	H.G. Wells
ar	هربرت جورج ويلز
ast	Herbert George Wells
ay	H. G. Wells
azb	ا.ج. ویلز
az	Herbert Uells
be_x_old	Гэрбэрт Ўэлз
be	Герберт Уэлс
bg	Хърбърт Уелс
bn	হারবার্ট জর্জ ওয়েলস
br	H. G. Wells
bs	Herbert George Wells
ca	H.G. Wells
cs	Herbert George Wells
cy	H. G. Wells
da	H.G. Wells
de	H. G. Wells 
el	Χ. Τζ. Γουέλς
en	H. G. Wells
eo	Herbert Wells
es	H. G. Wells

Context

Defining use cases for identifying things in relationships.

