# **Concerning Identities:**

For Things, but not the easy Things





# More questions than answers

How do you generate identity?

Is it possible to capture the rules? Is it possible to develop a shared concept of identity for Things? If so, how can we share that concept across institutions?

## Less abstractly:

How can we confidently assert that our Hub is the same as a SHARE VDE SuperWork?

How can we confidently assert that our BF Work is the same as Stanford's?



## "Easy" Things

Catalyst for this work was reduction of Anonymous Resources (a.k.a. blank nodes) in preparation of publishing (converted) dataset.

Examples of "easy" Things:

Providers
Roles
Relationships

Extracted from MARC 260, 7XX\$e, 7XX\$i, respectively.



The "Easy" Things relied on simple string matching.

700 1#\$aSmith, John,\$d1900-1945,\$eprincipal investigator.



The "Easy" Things relied on simple string matching.

260 ##\$aParis:\$bGauthier-Villars,\$c1955.

<a href="http://id.loc.gov/entities/providers/6adb861ddbe699cb8fd4b5aaa2882108">http://id.loc.gov/entities/providers/6adb861ddbe699cb8fd4b5aaa2882108</a> a madsrdf:Authority, madsrdf:CorporateName; madsrdf:authoritativeLabel "Gauthier-Villars".



The "Easy" Things relied on simple string matching.

260 ##\$aParis:\$bGauthier-Villars,\$c1955.

<a href="http://id.loc.gov/entities/providers/6adb861ddbe699cb8fd4b5aaa2882108">http://id.loc.gov/entities/providers/6adb861ddbe699cb8fd4b5aaa2882108</a> a madsrdf:Authority, madsrdf:CorporateName; madsrdf:authoritativeLabel "Gauthier-Villars".

Normalization:

gauthiervillars -> 6adb861ddbe699cb8fd4b5aaa2882108



#### **Gauthier-Villars**

#### URI(s)

- http://id.loc.gov/entities/providers/6adb861ddbe699cb8fd4b5aaa2882108

#### **Instance Of**

- MADS/RDF CorporateName
- MADS/RDF Authority

#### Scheme Membership(s)

- Providers

#### **Collection Membership(s)**

- Entities Providers
- Entities Publishers

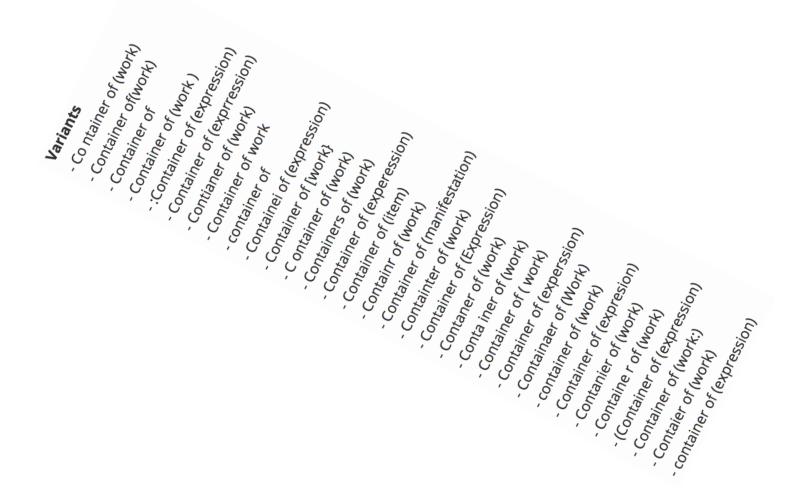
#### **Variants**

- Gauthier-Villars
- Gauthier-Villars [etc.
- Gauthier-Villars.
- Gauthier-Villars; [etc., etc.
- Gauthier Villars

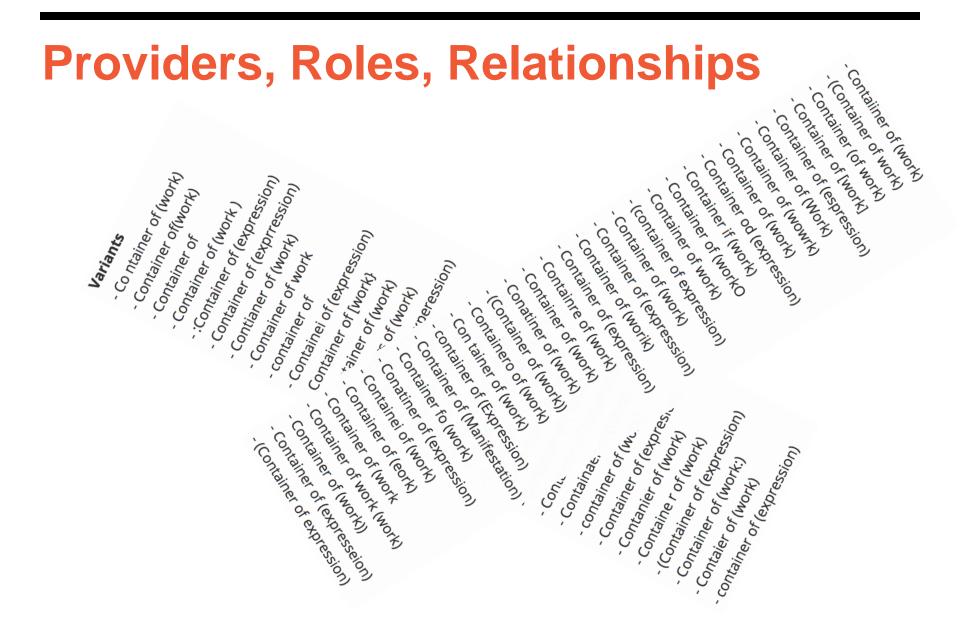


Jailants of althor and althor and attraction, and any of the state of the stat Mitod Hot. auth author. Strangt Strangt Strangt. athor.











### Container of

### URI(s)

http://id.loc.gov/entities/relationships/containerof

#### Instance Of

- MADS/RDF Authority
- BF Relation

### Scheme Membership(s)

- Relationships

### Collection Membership(s)

Entities Relationships

#### **Variants**

- Co ntainer of (work)
- Container of(work)



# Agents, Hubs, Works, Instances

## Not so easy Things

Agents (People, Organizations)
Hubs
Works
Instances

## Hubs, Works, Instances:

Contributors?

Dates?

Form?

Subjects

And so on...



Pursued because we realized we were trying to do too much with bf:Work.

Pursued because we realized we had no good solution for Title/NameTitle access points.

Pursued because aforementioned Title/NameTitle access points were all blank nodes.

Pursued because of engagement with SHARE-VDE and Casalini and the concept of SuperWork.



MARC sources for Hubs says a lot about their composition.

## Derived from:

MARC Auth 1XX with \$t

MARC Auth 130

MARC Bib 1XX + 240

MARC Bib 130

MARC Bib 600, 610, 611 + \$t; 630 (if \$v, \$x, \$y, or \$z **not** 

present)

MARC Bib 700, 710, 711 + \$t; 730



### At most:

```
*Contributor (Only 1)

*Title
Language
Date
Key
Part Number / Section of Work
Medium of performance for music
Arranged statement for music
Version
```

\* = always



No:

Notes
Subjects
Content type
Material type



## **Bibframe Hub**

#### **Title**

Pippi Långstrump

### **Type**

http://id.loc.gov/ontologies/bflc/Hub

### **Contribution**

Lindgren, Astrid, 1907-2002 Contributor



## **Bibframe Hub**

#### **Title**

Pippi Långstrump. English Pippi Longstocking

### **Type**

http://id.loc.gov/ontologies/bflc/Hub

#### **Contribution**

Lindgren, Astrid, 1907-2002 Contributor

### Language

English



### **Bibframe Hub**

#### **Title**

Symphonies, no. 9, op. 125, D minor Symphonies, no. 9, op. 125, D minor. 1987

### **Type**

http://id.loc.gov/ontologies/bflc/Hub

### **Contribution**

Beethoven, Ludwig van, 1770-1827 Contributor

#### **Creation Date**

1987



#### **Bibframe Hub**

#### Title

Trios, violin, viola, cello, op. 9. No. 2 Trios, strings, op. 9. No. 2

#### Type

http://id.loc.gov/ontologies/bflc/Hub

#### Contribution

Beethoven, Ludwig van, 1770-1827 Contributor

#### **Authorized Access Point**

Beethoven, Ludwig van, 1770-1827 Trios, violin, viola, cello, op. 9. No. 2

#### **Authorized Access Point Variant**

Beethoven, Ludwig van, 1770-1827 Trios, strings, op. 9. No. 2

#### **Admin Metadata**

Creation Date: 2019-05-20T16:28:32.810288-04:00

Note: Data source LCCNs: no 96045248; 2006651462; 2017575027; 96706981; 98708797; 99385213; 2005700427

#### Part Of

Mills, Jesse. [Marlboro Music Festival, 2002-08-16]

Dehmel, Richard, 1863-1920. [Marlboro Music Festival rehearsals, 2002-08-15 and 2002-08-16]

Primrose, William, 1904-1982, Jascha Heifetz, the complete stereo collection remastered

Ohtsu, Junko. [Library of Congress Music Division concert, 1987-06-09]

Trio Pasquier. [Library of Congress Music Division concert, 1967-12-01]

Trio Pasquier. [Library of Congress Music Division concert, 1959-02-20]

Kondonassis, Yolanda. [Marlboro Music Festival, 1986-07-26]

#### Has Expression

Beethoven, Ludwig van, 1770-1827 Trios, violin, viola, cello, op. 9. No. 2



Dirty little secret:

System operates on the constructed string.

\$aBeethoven, Ludwig van, \$d1770-1827. \$tTrios, \$mviolin, viola, cello, \$nop. 9. \$nNo. 2

beethovenludwigvan17701827triosviolinviolacelloop9no2

http://id.loc.gov/entities/hubs/c5b3ffea51920f5c02fdd1bcc2d4004e



Quite simply, catalogers had created identity by creating a unique Name/Title combination. I didn't need to do more.

But this is - or should be - a temporary condition.

Cannot rely on catalogers continuing this practice.

Hubs, Works, Instances, like Agents (e.g.), are more nuanced.

Which leads to the question....



What attributes of a Hub or Work or Instance establish identity?

Do we need to – as a community – develop a common understanding about what ingredients generate identity?

Would this help with exchange of BF resources?

Is it all unnecessary?

Is it too hard and it'll all work out in the long and I'm worrying over nothing?



## Thank You

http://id.loc.gov/



### The numbers:

- 2.3M total
- 1.4M come from MARC Authority Title/NameTitle records
- .9M come from MARC Bib records (not in 1.4M from Auths)

