SuperWorks, MasterInstance and relationships

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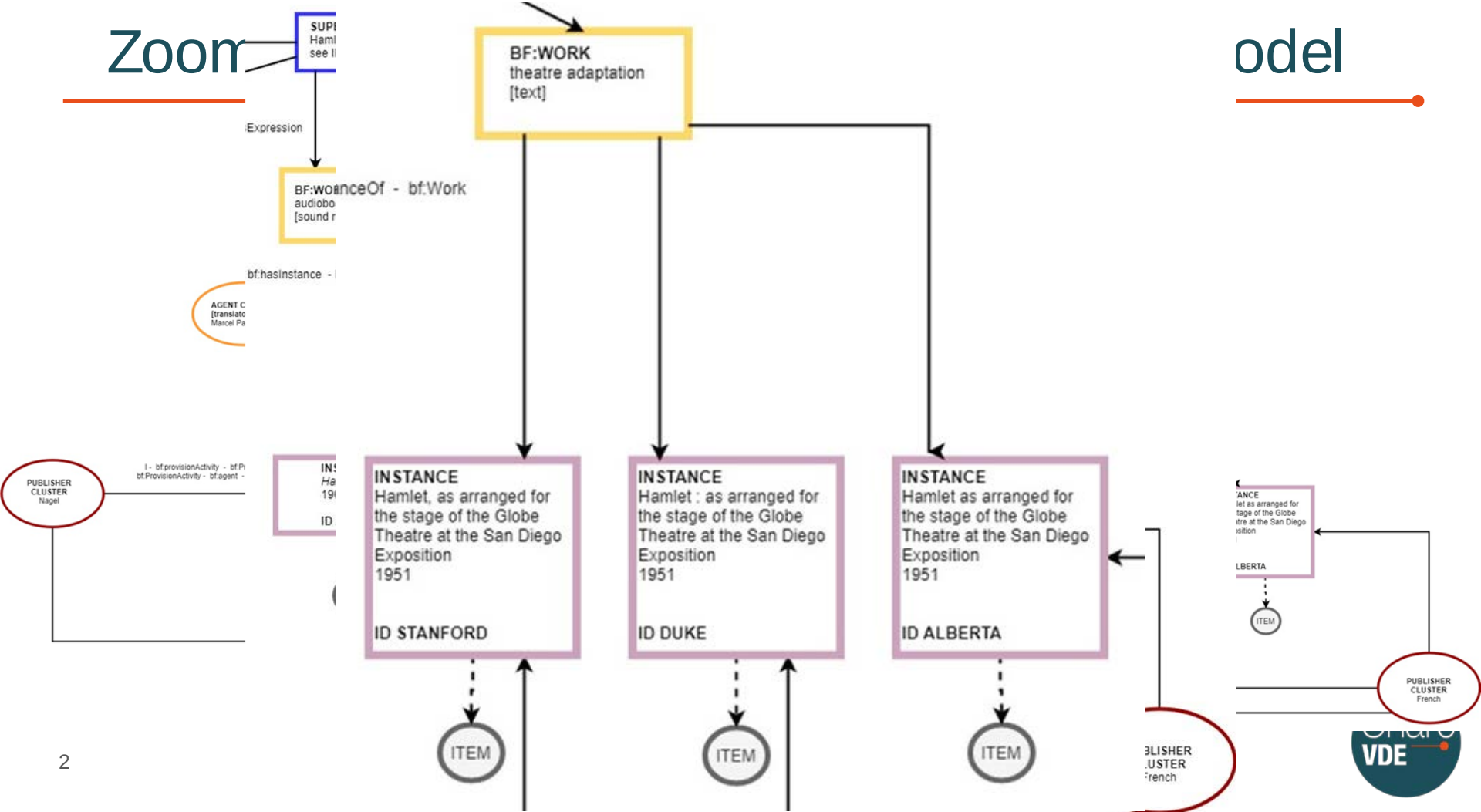
European BIBFRAME Workshop

Zoom odel



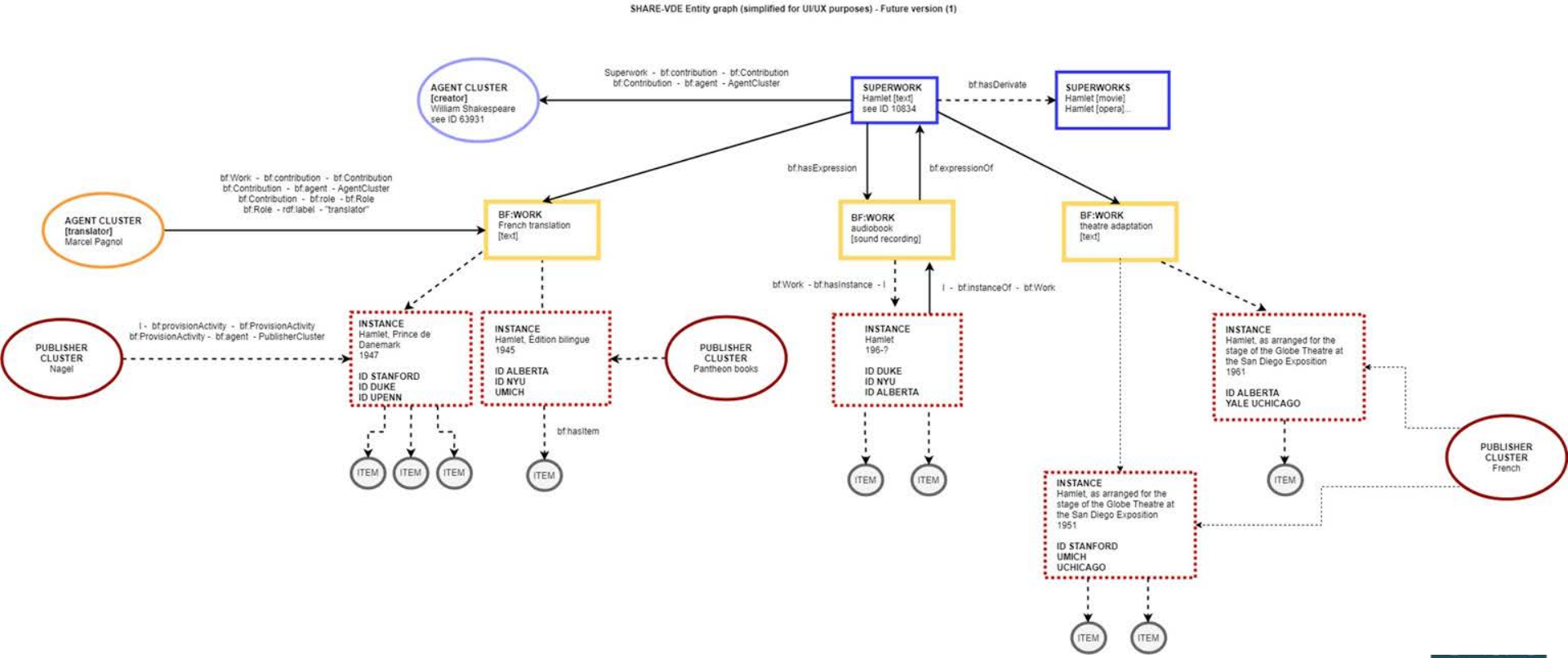
BF:WORK
theatre adaptation
[text]
INSTANCE
Hamlet, as arranged for the stage of the Globe Theatre at the San Diego Exposition
1951
ID STANFORD
INSTANCE
Hamlet : as arranged for the stage of the Globe Theatre at the San Diego Exposition
1951
ID DUKE
INSTANCE
Hamlet as arranged for the stage of the Globe Theatre at the San Diego Exposition
1951
ID ALBERTA
ITEM
ITEM
ITEM
PUBLISHER CLUSTER
Nagel
PUBLISHER CLUSTER
French

The Share-VDE future entities model

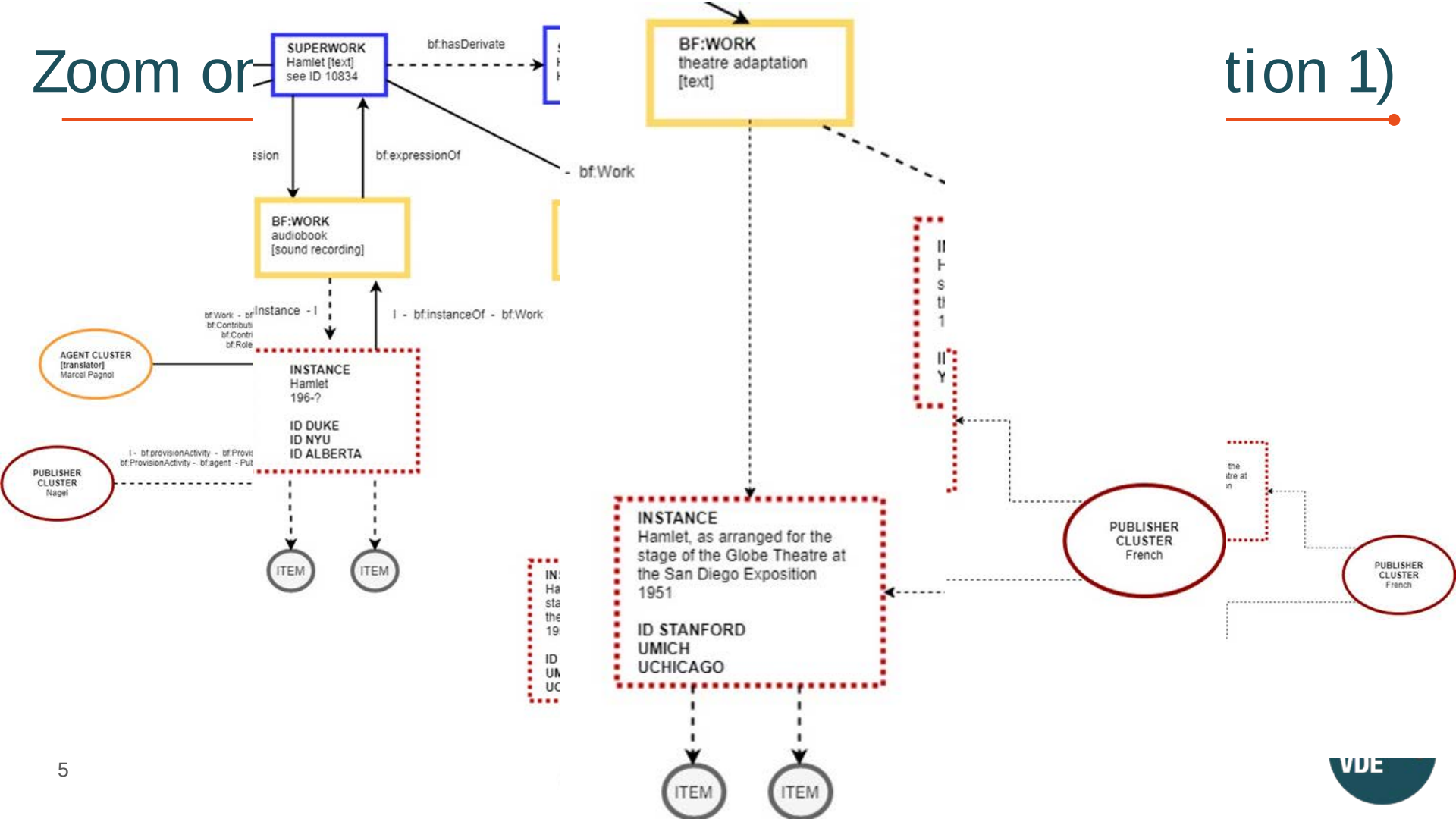
In the current Share-VDE entity model, an Instance is not really identified as an Entity, but as a description of an entity made by a particular Institution. The first proof of this is the instance URI: it is built using the Share-VDE + type of entity + source (the institution that created the original record) + the ID of the original record: http://share-vde.org/sharevde/rdfBibframe/Instance/UALBERTA6947549

The Share-VDE Advisory Council with its subcommittees is discussing the evolution of the Share-VDE instance from a "description of" to an "entity".

The Share-VDE future entities model (option 1)



Zoom or tion 1)



The Share-VDE future entities model (option 1)

Key concepts of this model:

In this scenario the Instance assumes a Share-VDE ID (URI), which does not reflect the "owner" (=the original ID of the library) but an "ideal" Instance representing the "real" instance of BIBFRAME.

To link each of these instances to each library, we have (at least) two options (or perhaps both together):

- moving local data and information (library) to the Item level;
- including the Provenance to each triple to identify local description of the same Instance (in case the institutions were interested in preserving some specific attributes).

The Instance as a *Master Instance*

Share VDE Virtual Discovery Environment

Draft version of the Master Instance analysis

Instance (as logical *Master Instance*)

A new entity for the bibliographic management of the Union Catalog

Draft under revision, last update 11/09/2019

Introduction

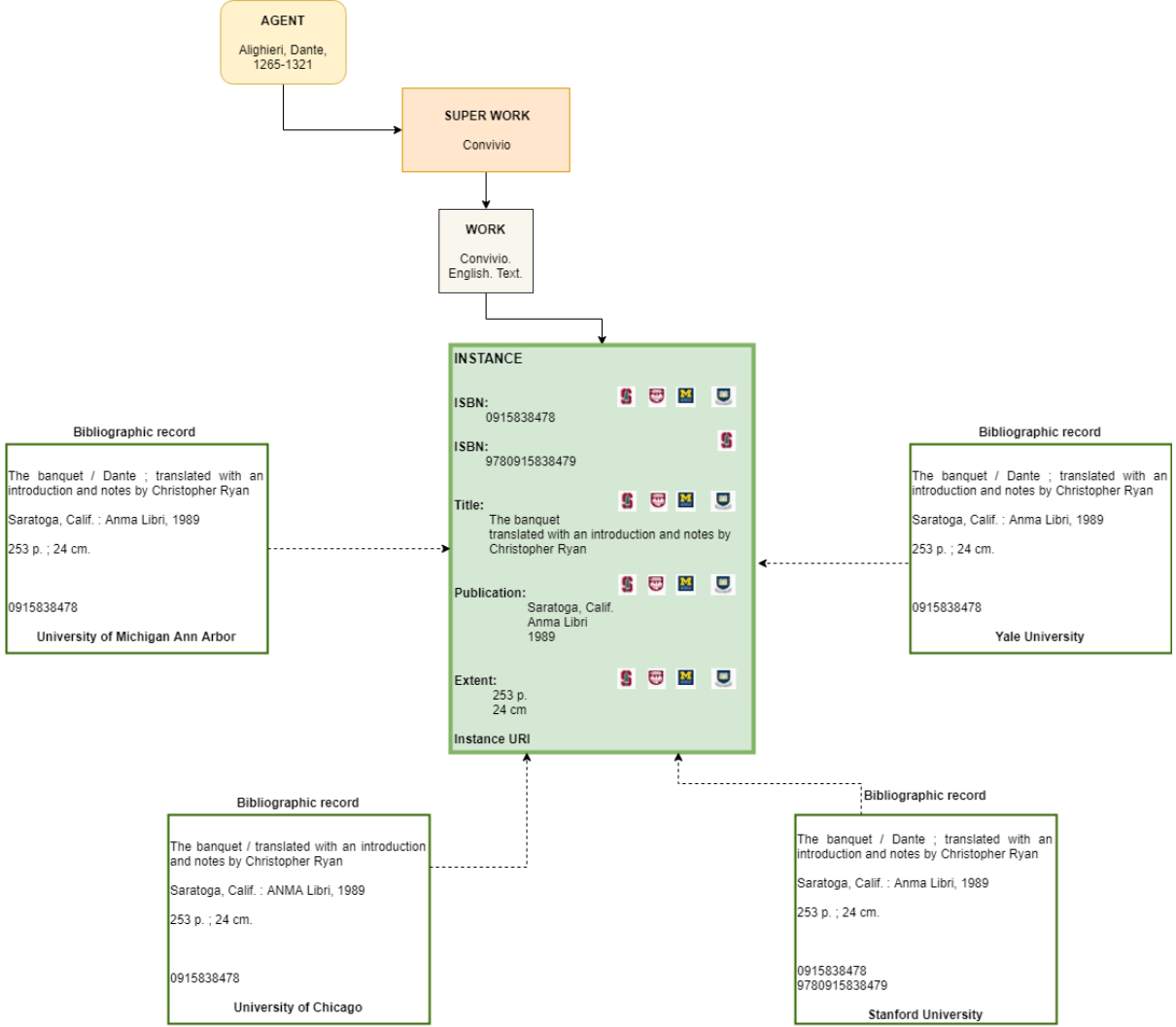
The recent development phases of Share-VDE have involved an overall adjustment of the management of data flows, of the ontological model of entities and of the structuring of the user interface, with the aim of further enhancing the information potential on the platform and solving the most critical issues regarding data inconsistencies and discrepancies.

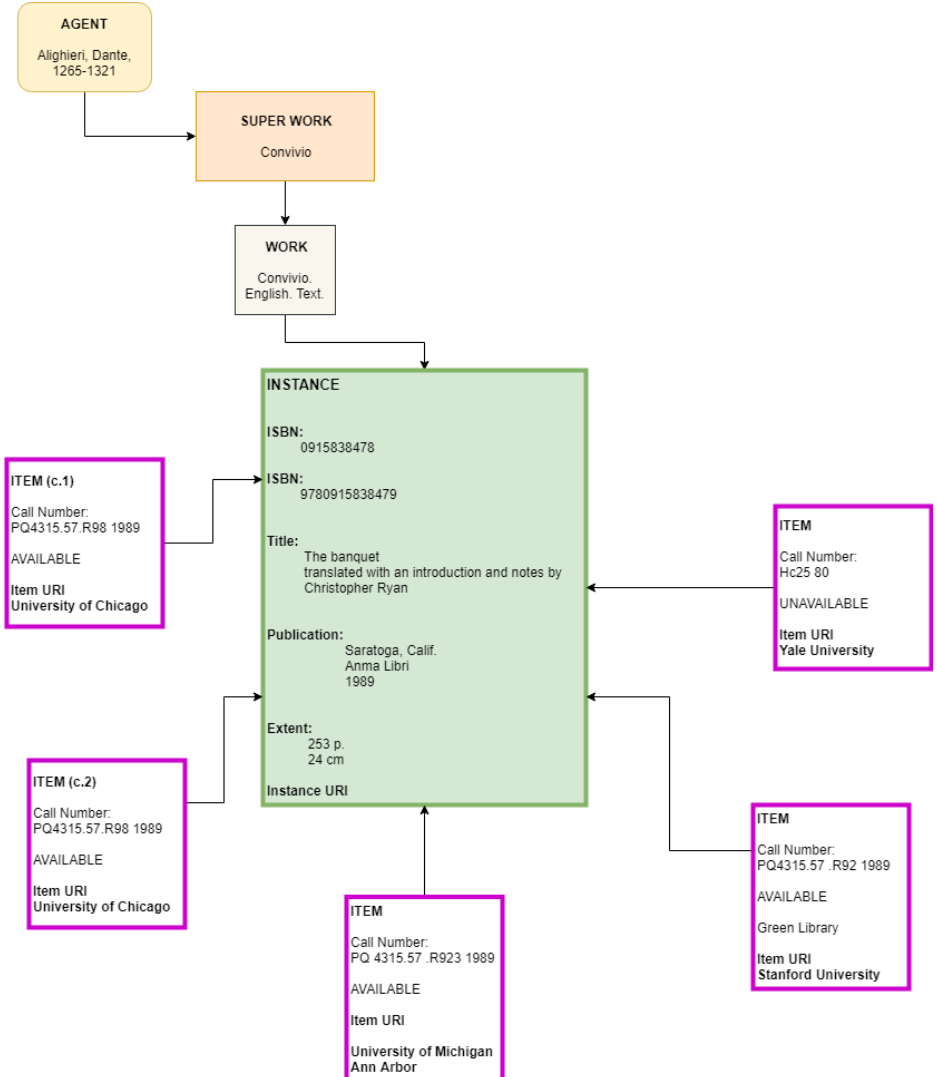
On this, it must be noted that Share-VDE currently includes over 20 research libraries, each one equipped with its own internal OPAC and linked to different cataloging practices, although to a large extent referable to the same RDA standard. The loading of millions of bibliographic and authority data coming from such different situations has consequently implied the detection of a series of problems at data processing level, which can be summarized in two main aspects:

1. multiplication of entities during clustering processes;
2. multiplication of Instances.

Share VDE

Instance as a *Master Instance*





Instance (as a *Master Instance*) and the related Items

Comparison between LC and Share-VDE conversion process

Class/Property	casalini #1	casalini #2	casalini #3	lc
http://www.w3.org/ns/prov#Entity	11130	11127	**11127**	**0**
http://www.w3.org/ns/prov#Agent	1	11127	**11127**	**0**
http://www.w3.org/2000/01/rdf-schema#Resource	0	0	**0**	**2788**
http://www.loc.gov/mads/rdf/v1#Topic	2890	59572	**60723**	**23464**
http://www.loc.gov/mads/rdf/v1#Title	0	0	**0**	**58**
http://www.loc.gov/mads/rdf/v1#Temporal	104	7564	**7748**	**4356**
http://www.loc.gov/mads/rdf/v1#State	0	0	**0**	**35**
http://www.loc.gov/mads/rdf/v1#Occupation	0	0	**6**	**6**
http://www.loc.gov/mads/rdf/v1#NameTitle	0	0	**0**	**2442**
http://www.loc.gov/mads/rdf/v1#Name	0	0	**0**	**1502**
http://www.loc.gov/mads/rdf/v1#HierarchicalGeographic	0	0	**44**	**44**
http://www.loc.gov/mads/rdf/v1#Geographic	100	9118	**9170**	**5378**
http://www.loc.gov/mads/rdf/v1#GenreForm	79	4609	**4612**	**4323**
http://www.loc.gov/mads/rdf/v1#Country	0	0	**79**	**44**
http://www.loc.gov/mads/rdf/v1#CorporateName	0	0	**0**	**196**
http://www.loc.gov/mads/rdf/v1#ConferenceName	0	0	**0**	**17**
http://www.loc.gov/mads/rdf/v1#ComplexSubject	0	0	**0**	**24163**

Comparison between LC and Share-VDE conversion process

A	B	C	D	E
http://id.loc.gov/ontologies/bibframe/ProvisionActivity	20064	22342	**22342**	**22425**
http://id.loc.gov/ontologies/bibframe/ProductionMethod	0	1	**1**	**0**
http://id.loc.gov/ontologies/bibframe/ProjectionCharacteristic	0	0	**0**	**16**
http://id.loc.gov/ontologies/bibframe/Production	2	36	**57**	**60**
http://id.loc.gov/ontologies/bibframe/Polarity	0	83	**83**	**2**
http://id.loc.gov/ontologies/bibframe/PlayingSpeed	1	140	**140**	**142**
http://id.loc.gov/ontologies/bibframe/PlaybackCharacteristic	0	5	**5**	**70**
http://id.loc.gov/ontologies/bibframe/PlaybackChannels	2	103	**103**	**6**
http://id.loc.gov/ontologies/bibframe/Place	599	14965	**14965**	**14890**
http://id.loc.gov/ontologies/bibframe/PesentationFormat	0	4	**4**	**0**
http://id.loc.gov/ontologies/bibframe/Person	8387	14882	**14882**	**31743**
http://id.loc.gov/ontologies/bibframe/ParallelTitle	0	28	**28**	**28**
http://id.loc.gov/ontologies/bibframe/Organization	552	1158	**1158**	**1535**
http://id.loc.gov/ontologies/bibframe/Note	7995	19261	**19374**	**19340**
http://id.loc.gov/ontologies/bibframe/Notation	8	56	**56**	**28**
http://id.loc.gov/ontologies/bibframe/NotatedMusic	0	136	**136**	**136**
http://id.loc.gov/ontologies/bibframe/Nbn	867	1017	**1017**	**1018**
http://id.loc.gov/ontologies/bibframe/MusicVoice	0	37	**37**	**37**
http://id.loc.gov/ontologies/bibframe/MusicPublisherNumber	0	68	**68**	**68**

Thank you!

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