

The Heads of Cataloging Departments Interest Group
Midwinter ALA Denver

Monday, February 12th 2018

SHARE-VDE and BIBFRAME **Linked Data in real life**



Phase 1 and phase 2 introduction



SHARE Virtual Discovery Environment project

The main goal of this Research & Development library community driven project has been to experiment BIBFRAME with a critical mass of data (in heterogeneity and volumes).

Phase 1: analysis, enrichment, reconciliation, conversion in RDF, publication of two sets of bibliographic data for each participant library were foreseen (1985 and 2015 imprint titles). This phase also contained the release of Marc records enriched with URIs and BIBFRAME 1.0 datasets for each participant library.

A total of 2,249,387 bibliographical records and 3,601,327 authority records were converted into BIBFRAME 1.0 and published on the SHARE-VDE portal:

www.share-vde.org

Phase 1: from October 2016 to January 2017.



SHARE Virtual Discovery Environment project

Phase 2: data enrichment and conversion refinements and customization, enhanced data supply workflow experimentation, second release of the portal.

The library catalogue of each participant institution has been converted into BIBFRAME 2.0 and returned to each library (over 100 million records and consequent datasets are expected to be processed).

A relationship database that registers the relationships between entities (person, work, instances, subjects, publisher, ...) is established in order to assure a more precise identification rate of each entity to reach a higher quality of results without human intervention.

Refinements of data, e.g. for co-authors and editors, where there is a variety of ways in which they are identified in library records (Relator terms topic), is addressed.

Enrichment with URIs of the MARC records for each library's catalogue.

Phase 2: from March 2017 to February 2018.



Participants libraries (1)

Phase 1	Phase 2	(in Country/State order):
X	X	Stanford University
X	X	University California Berkeley
X	X	Yale University
X	X	Library of Congress
X	X	University of Chicago
X	X	University of Michigan Ann Arbor
X	X	Harvard University
X		Massachusetts Institute of Technology
	X	Duke University
X		Cornell University
X		Columbia University
X	X	University of Pennsylvania



Participants libraries (2)

Phase 1	Phase 2	(in Country/State order):
	X	Pennsylvania State University
X	X	Texas A&M University
	X	University of Alberta
X		University of Toronto

SHARE-VDE is a Casalini Libri and @Cult partnership project, under the direction of Tiziana Possemato.

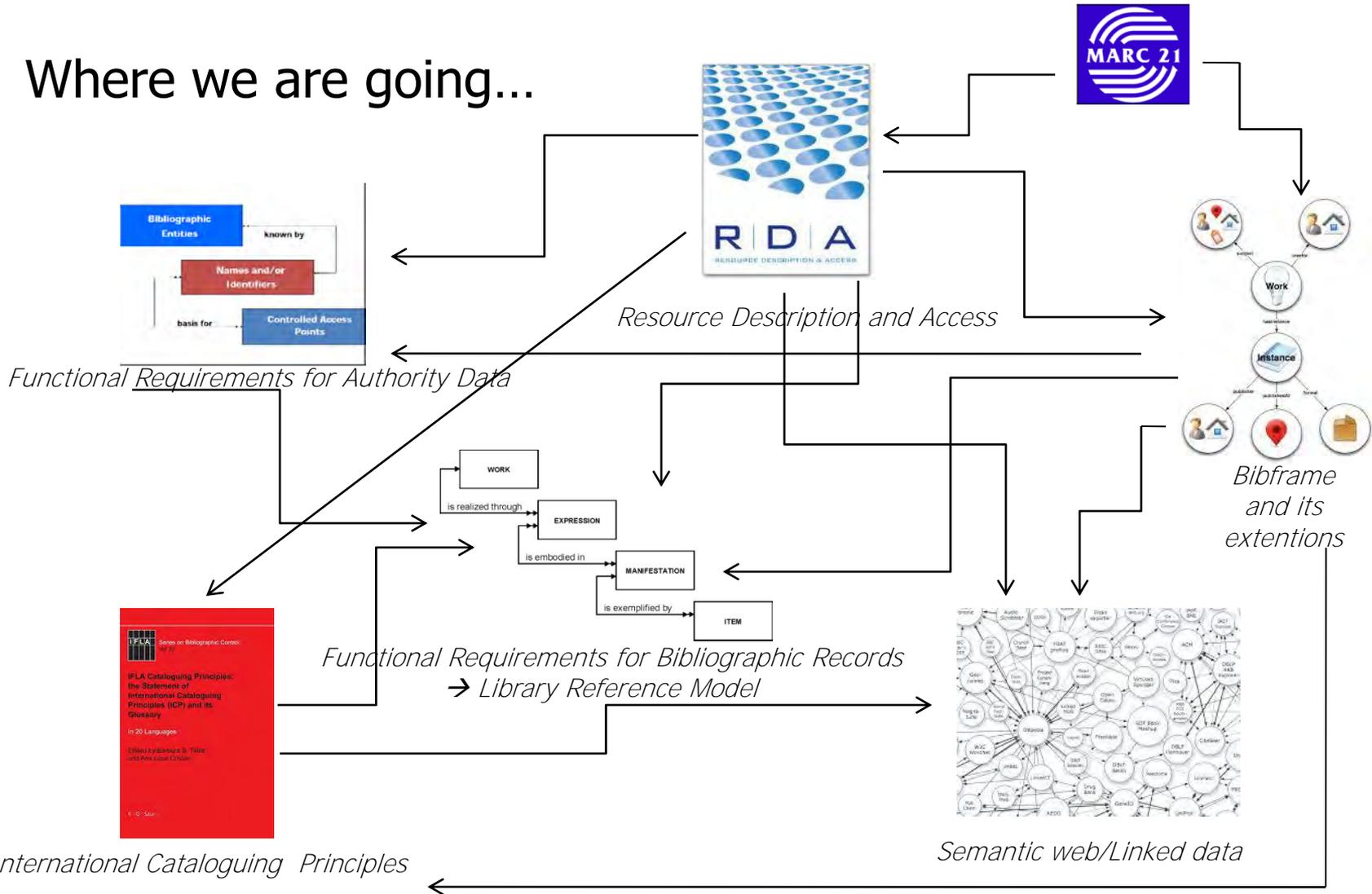


Theoretical context



The theoretical context of the project

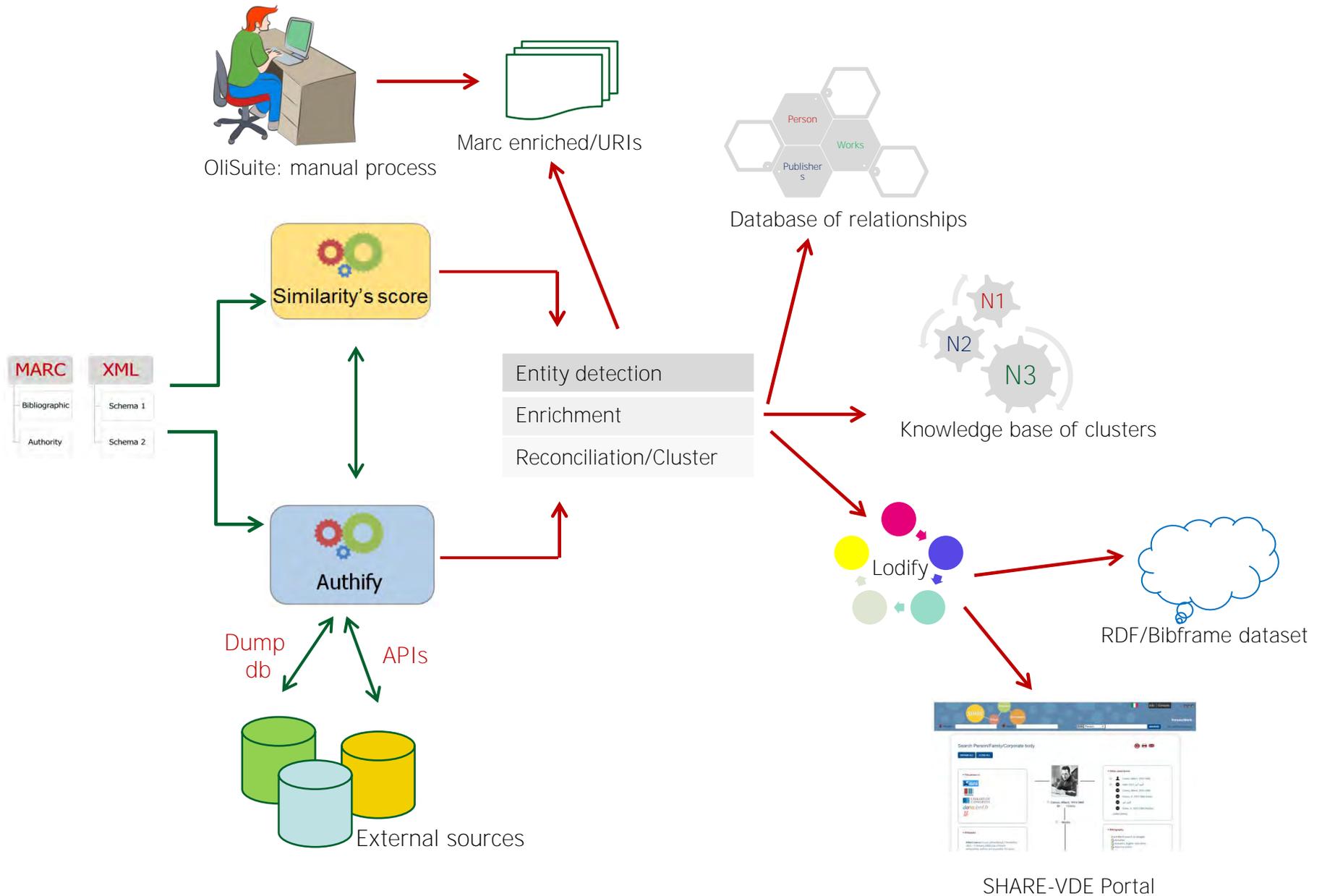
Where we are going...



SHARE-VDE process overview



The SHARE-VDE processes

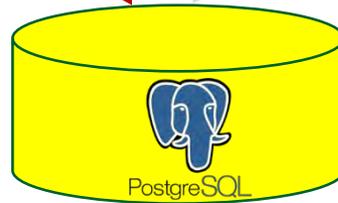
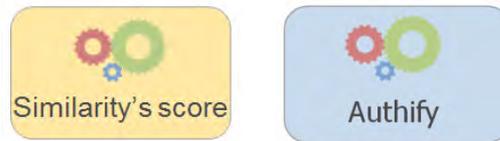


Focus on processes 1/2

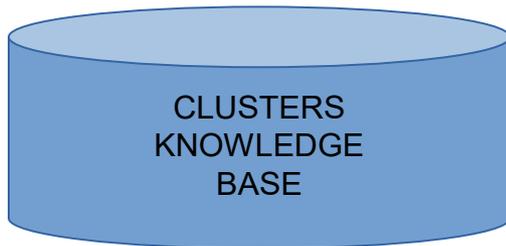
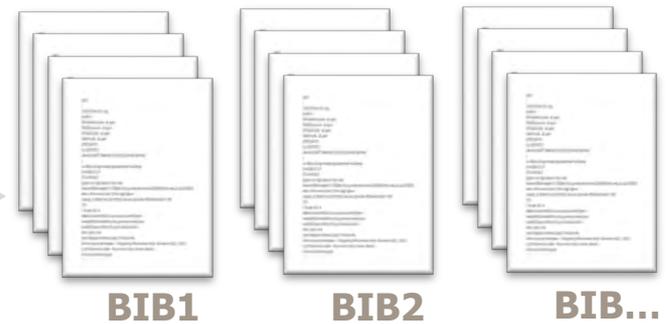
Authority records



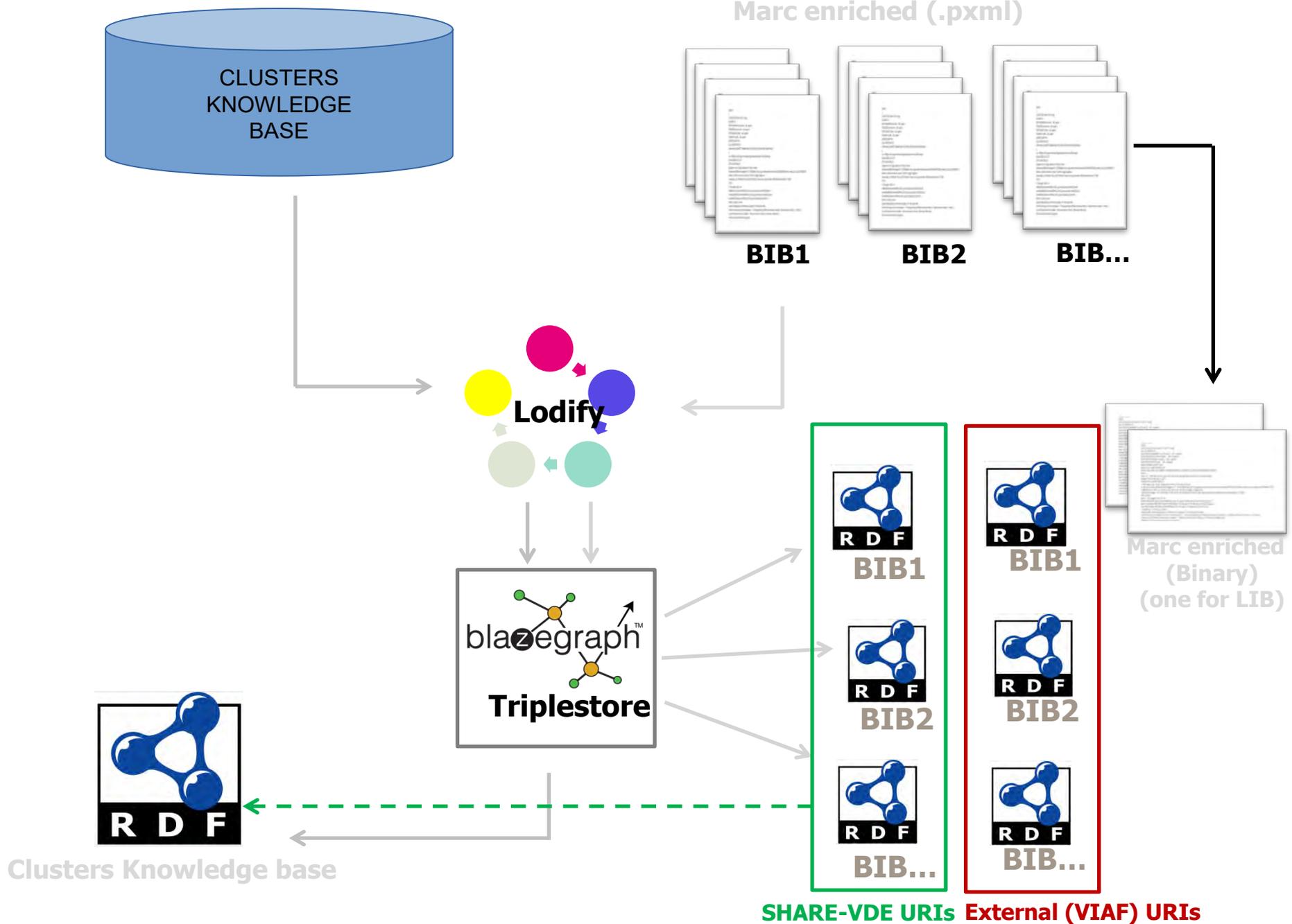
Bibliographic records



Marc enriched (.pxml)



Focus on processes 2/2



Entity identification



The new revolution: from record to entity

Full Record	MARC Tags
	Where to Request
000	02384cam a2200445 a 4500
001	15789102
005	20100204124659.0
008	090624s2009 enka b 000 0 eng
010	__ a 2009025024
015	__ a GBA959347 2 bnb
016	7_ a 015291646 2 UK
020	__ a 9780521519748 (hbk.)
020	__ a 0521519748 (hbk.)
020	__ a 9780521732505 (pbk.)
020	__ a 0521732506 (pbk.)
035	__ a (OCoLC)ocn416716652
040	__ a DLC c DLC d YDXCP d BWKUK d BWK d FDA d UKM d BTDTA d CEF d CDX d DLC
050	00 a PR2803.A2 b H35 2009
082	00 a 822.3/3 2 22
100	1_ a Shakespeare, William, d 1564-1616.
245	10 a As you like it / c edited by Michael Hattaway.
250	__ a Updated ed.
260	__ a Cambridge, UK ; a New York : b Cambridge University Press, c 2009.
300	__ a xv, 240 p. : b ill. ; c 24 cm.
490	1_ a New Cambridge Shakespeare
504	__ a Includes bibliographical references (p. 240).
505	0_ a Introduction. Journeys ; Plays within the play ; Theatrical genres ; Pastoral ; Counter-pastoral ; The condition of the country ; Politics ; 'Between you and the women the play must please' ; Gender ; Nuptials ; Sources ; Date and occasion ; Stage history ; Recent critical and stage interpretations -- Note on the text -- List of characters -- The play -- Textual analysis -- Appendixes : 1. An early court performance? ; 2. Extracts from Shakespeare's principal source, Lodge's Rosalind ; 3. The songs.
600	10 a Shakespeare, William, d 1564-1616. t As you like it.
650	_0 a Fathers and daughters v Drama.
650	_0 a Exiles v Drama.
655	_7 a Pastoral drama. 2 gsafd
655	_7 a Comedies. 2 gsafd
700	1_ a Hattaway, Michael.

As you like it [print]



As you like it [on-line]

Cambridge University Press



Publisher

Cambridge Univ. Press

Shakespeare, William, 1564-1616

Шекспир, У. 1564-1616 Уильям



Agent

Saixpēr, Gouilliam, 1564-1616

As you like it



Work

Come ti piace

Comme il vous plaira

Fathers and daughters



Subject

Patri e figlie

Pères et filles

Different entities from the same MARC record

The screenshot shows the SHARE Person/Work interface. At the top, there are navigation links for 'SHARE', 'Virtual', 'Discovery', and 'Environment'. The main header reads 'Person/Work'. Below this is a search bar with the text 'Work' and a 'Browse' button. The search results are displayed in a grid format. The central result is for 'Galdós and medicine' with ID 240309. To the left, there is a 'Publications' section with three entries: 'Galdós and medicine', 'Galdós and medicine', and 'Galdós and Medicine'. To the right, there is a 'Subject' section with a list of subjects including 'Pérez Galdós, Benito, 1843-1920', 'Literature and medicine -- Spain -- History -- 19th century', 'History', 'Spain', 'Medicine in Literature', 'Literature and medicine', '1800-1899', 'History, 19th Century', 'Pérez Galdós, Benito, 1843-1920 -- Criticism and interpretation', 'Criticism, interpretation, etc', '1800 - 1899', 'Pérez Galdós, Benito, 1843-1920 -- Criticism and interpretation', and 'Medicine in literature'. At the bottom, there is a search bar with the text '(2424573) Stannard, Michael W., 1942-...'. The text 'A WORK AS AN ENTITY WITH ITS RELATIONSHIPS!' is overlaid on the left side of the screenshot.

A WORK AS AN ENTITY WITH ITS RELATIONSHIPS!

http://share-vde.org/sharevde/searchTitles?t_cluster_id=240309&l=en

Different entities from the same MARC record



The header of the Person/Work interface features a blue background with a navigation menu. On the left, there are three circular icons: a yellow one labeled 'SHARE', a red one labeled 'Virtual', and an orange one labeled 'Environment'. To their right is a green circle labeled 'Discovery'. The text 'Person/Work' is written in a white, cursive font. Below this, there are three search fields: 'Work' with a book icon, 'Publishers' with a building icon, and 'Subject' with a person icon.

**HERE THOMAS
MANN IS THE
SUBJECT OF A
WORK!**

Subject



Mann, Thomas, 1875-1955

ID: 215541

Subject in

- | | | |
|--|---|---|
| Esmeralda | "Steine in Hitlers Fenster" | Lebenstraum und Todesnähe |
| Altersgraue Legende" | Lebens-Werk | Bürger auf Abwegen |
| Schönheit und Verfall | Faust legend | Manns |
| Literarischer Erfahrungshorizont | Stationen der Thomas-Mann-Forschung | Schreibprozess bei Thomas Mann und Franz Kafka und seine didaktischen ... |
| Literarische Dekadenz | Die Musik | "Ganz entre nous" |
| Jahrhundert der Manns | Kraft der Berührung | Beslissing |
| Wagner und unsere Zeit | Correspondence | Lebenstraum und Todesnähe |
| King and his rival | Novel and the Nazi past | |

Different entities from the same MARC record



Publishers

EXPAND ALL

CLOSE ALL

▼ This publisher in



▼ Wikipedia

Giulio Einaudi editore, nota anche più semplicemente come Einaudi, è una casa editrice italiana.

Wikipedia



Giulio Einaudi editore.
ID: 116434

▼ Places

Torino

▼ Other forms

- Giulio Einaudi Editore casa editrice italiana
- Einaudi, Firm
- Giulio Einaudi editore.
- Giulio Einaudi e editore
- Giulio Einaudi Editore

▼ Person

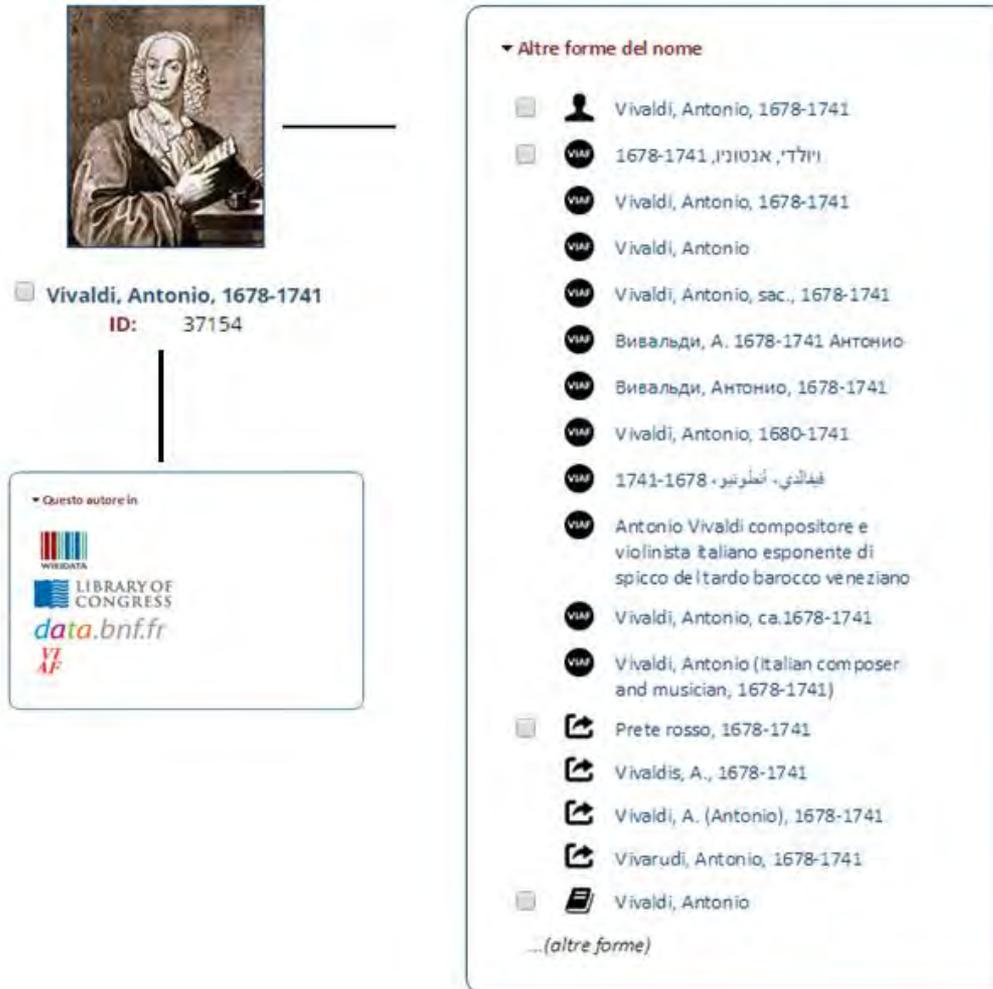
- Mattei, Ugo.
- Galluccio, Bruno
- Ainis, Michele
- Perniola, Mario, 1941-....
- Lucas, Uliano.
- Marcoldi, Franco, 1955-....
- Castelnuovo, Enrico, 1929-2014
- La Cecla, Franco, 1950-...
- Tafuri, Manfredo, 1935-1994
- Bre, Silvia
- ...(other)

▼ Subject

- Philosophy, Ancient
- Ariadne (Greek mythology)
- Communication
- Bioethics
- Europe
- World War, 1914-1918
- Rome (Italy)

THE PUBLISHER
WITH ITS RELATIONSHIPS!

Entities in *cluster*: an example of collaboration and sharing



Vivaldi, Antonio, 1678-1741
ID: 37154

Questo autore in

- WIKIDATA
- LIBRARY OF CONGRESS
- data.bnf.fr
- VIAF

Altre forme del nome

- Vivaldi, Antonio, 1678-1741
- VIAF 1678-1741, אַנטוֹניוֹ וִיוּאָלְדִי
- VIAF Vivaldi, Antonio, 1678-1741
- VIAF Vivaldi, Antonio
- VIAF Vivaldi, Antonio, sac., 1678-1741
- VIAF Вивальди, А. 1678-1741 АНТОНИО
- VIAF Вивальди, АНТОНИО, 1678-1741
- VIAF Vivaldi, Antonio, 1680-1741
- VIAF 1741-1678, فيالدي - تطوتيو
- VIAF Antonio Vivaldi compositore e violinista italiano esponente di spicco del tardo barocco veneziano
- VIAF Vivaldi, Antonio, ca.1678-1741
- VIAF Vivaldi, Antonio (Italian composer and musician, 1678-1741)
- Prete rosso, 1678-1741
- Vivaldis, A., 1678-1741
- Vivaldi, A. (Antonio), 1678-1741
- Vivarudi, Antonio, 1678-1741
- Vivaldi, Antonio

...(altre forme)

The result of a reconciliation of the entity *Antonio Vivaldi* in the Share VDE project, with data from different sources and projects:

- the authorized form from a local authority file
- the variant forms originating from the references on the local authority records
- the variant forms originating from the VIAF
- the forms of the name used in the bibliographic records.

The cluster is completed and enriched with identifiers for the same entity, Antonio Vivaldi, from sources such as:

- Wikidata
- Library of Congress Name Authority File
- Data.bnf.fr
- VIAF

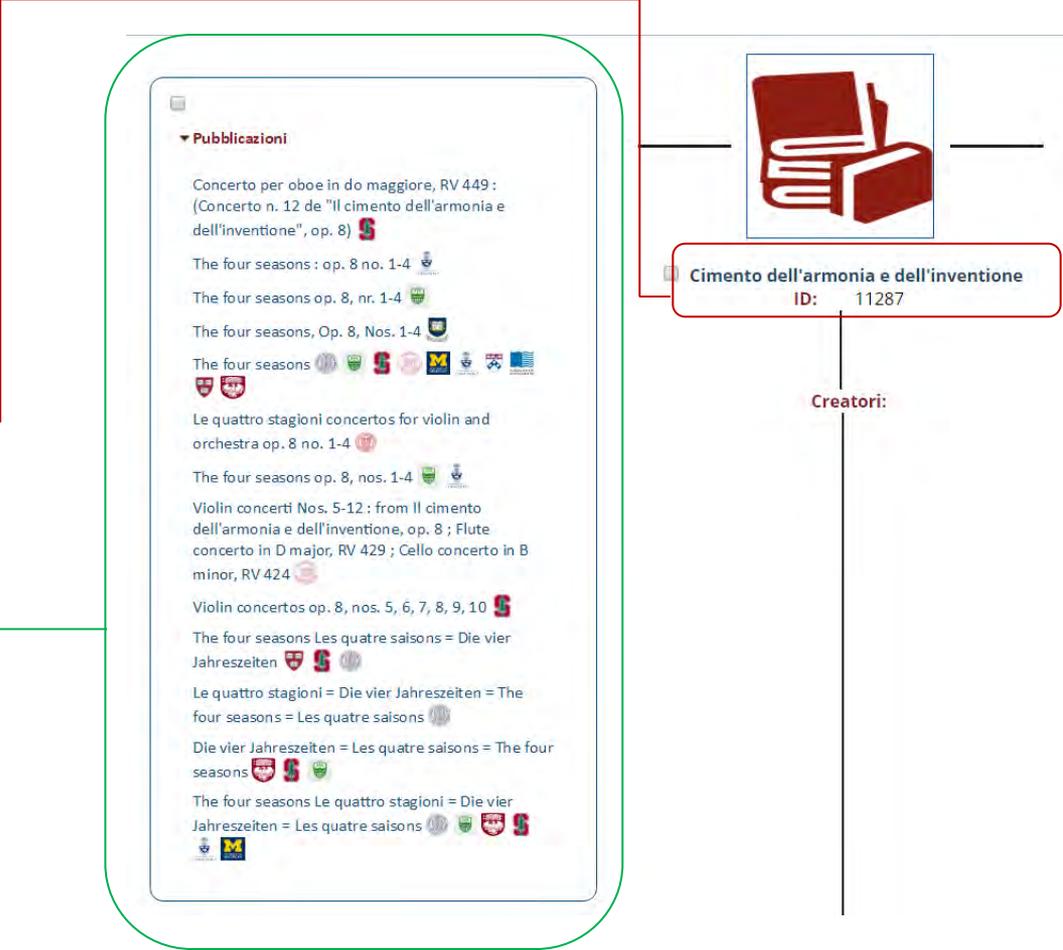


An example of Work/Instances reconciliation

Grouping under a single work title of the many publication titles in the catalogue for *Cimento dell'armonia e dell'invenzione*

Single work title

Brings together different publications/resources present in different catalogues.



http://share-vde.org/sharevde/searchTitles?t_cluster_id=11287



Example of same Instances present in different libraries

SHARE **Discovery** **Environment** Italiano Info Contacts **Publications(Instances)** Go to Person/Work Search history

Advanced search Everywhere show 10 results per page ordered by Score

Info
Select one or more items in order to activate some functionalities like: print, send by email, download in available formats.

Library
University of California Berkeley (2)
Columbia University (1)
Cornell University (1)
Harvard University (1)
Library of Congress (1)
Stanford University (1)
Texas A&M University (1)
University of Chicago (1)
More...

Tutto x + **MARC** **Tabular view** **Short view** **Format**

The storm and other things / Eugenio Montale ; translated, with preface and commentary, by William Arrowsmith (9 documenti)
Montale, Eugenio, 1896-1981
Publisher New York : Norton, c1985
Extent 219 p. ; 25 cm.
Format Language material

- ID CORNELL1138554 (Click for details)
- ID UCBERKELEYUCb125195606 (Click for details)
- ID UMICH000663201 (Click for details)
- ID COLUMBIA444093 (Click for details)
- ID LOC2859531 (Click for details)
- ID YALE440351 (Click for details)
- ID HARVARD000456337-9 (Click for details)

5 results found

Format
Language material (13)

Bibliographic level
Monographs (13)

Author (Person)
Montale, Eugenio, 1896-1981 (13)
Arrowsmith, William, 1924-1992 (9)
Arrowsmith, William, 1924- (4)

Author (Corporate)

Author (Conference)

Works
Bufera e altro (13)

Publication
Norton (13)

Language
English (13)
Italian (3)

Date



Reconciliation & Enrichment Automatic procedures



How reconciliation is obtained

Data reconciliation and enrichment is obtained by:

- *automated processes*
- *manual processes*

It is important to underline how the [relationship between the reconciliation and validation of the results](#) can differ profoundly between the automated and manual processes:

- automated processes: a high-level of reconciliation and clustering; a low-level of results validation;
- manual processes: a low-level of reconciliation and clustering; a high-level of results validation.



Authify – Cluster search services

Authify is a RESTful module that offers several search and detection services, configurable also for those sources where the public Web API have limitations and it's necessary to download the whole dataset.

The Authify cluster search services provides, as the name suggest, a full-text search service among names and works clusters. The search Web API uses, behind the scenes, an "invisible queries" approach in order to (try to) find a match, as much precise as possible, within the managed clusters.

The invisible queries approach allows to make everything transparent to the caller: on top of a single search request, the system executes a chain of different search strategies with different priority, and the first match that produces a result will populate the response that will be returned.

For debugging purposes, the response will also include the matching strategy that produced the results.



Authify – Relator term detection

Another service which has been added to Authify is the so called “**Relator term detection**”.

Starting from a MARC record (whatever is the specific dialect) the system analyses all (configured) tags that contain a name and, for each of them, tries to figure out (using the statements of responsibility of the input record) what is the corresponding role within the work represented by the given record.

Behind a simple token matching analysis, there is a more complicated logic that tries (using, among other things, the search services described in the previous point) to find the role of each found name using its variant forms or using a set of tokens that could identify such role (e.g. edited by, by, illustrated by).

A catch-all role is used when no valuable information can be desumed from the analysis.



Reconciliation & Enrichment Manual procedures



PCC directives

PCC identifies and addresses policy issues on the use of identifiers in MARC:



developing guidelines to include identifiers in MARC bibliographic and authority records



the use of multiple identifiers for the same entity



determining the entities for which identifiers should be provided in an initial implementation



identifying automated methods for populating and maintaining new and existing records with identifiers

The importance of identification and detection in the Semantic Web



Key elements of the cataloguing workflow:

- entity identification
- reconciliation

To enrich a MARC record with URIs [Casalini Libri](#) uses the “URI Management System” (included in the OLISuite cataloguing module within WeCat developed by @Cult) that allows also the management of [multiple identifiers](#) for each [access point](#) or [heading](#).

This simplifies the reconciliation of varying forms of the same entity with the development of detection procedures for entity identification and the conversion to BIBFRAME.

URI Management System in OLISuite

This component is integrated in [Casalini Libri's](#) original cataloguing workflow in order to have the option of supplying [MARC enriched records](#) and the equivalent [BIBFRAME datasets](#).

The screenshot displays the OLISuite interface. On the left, there are navigation menus for 'Search/Cataloguing', 'Reports', 'Templates/Download', and 'Access'. The main area is titled 'Browse search' and shows a search for 'kafka' in the 'None' database. Below the search bar is a 'Configuration' section with various checkboxes. A table of search results is shown below, with a red arrow pointing from the search input to the 'URI' column. The table has columns for 'Heading', 'PB', 'NT', 'URI', 'Refs', 'A', 'Docs', 'Level', 'Index', and 'Act.'. The first row is highlighted with a red box.

Heading	PB	NT	URI	Refs	A	Docs	Level	Index	Act.
Kaestli, Jean-Daniel	B1	0	0	0	0	5	Unverified	und	und
Kafka, Franz, 1883-1924	B1	1	2	0	0	1	Saved	und	und
Kafka, Franz 1883-1924 The Metamorphosis	B1	0	0	0	1	0	Saved	und	eng
Kaftal, George	B1	0	0	0	0	4	Unverified	und	und

URI Management System in OLISuite

URI management

Any AMICUS Database

Advanced >> Browse search >> URI management

Selected heading: Kafka, Franz, 1883-1924

Source	Http Uri	<input checked="" type="checkbox"/>	Validated	Options
NAF	http://id.loc.gov/authorities/names/n81063091	<input type="checkbox"/>		
ISNI	http://isni.org/isni/000000012280370X	<input type="checkbox"/>		

New

Delete

The cataloguer can check, modify, delete or add other identifiers to the same heading

Adding new URIs to a heading in OLISuite

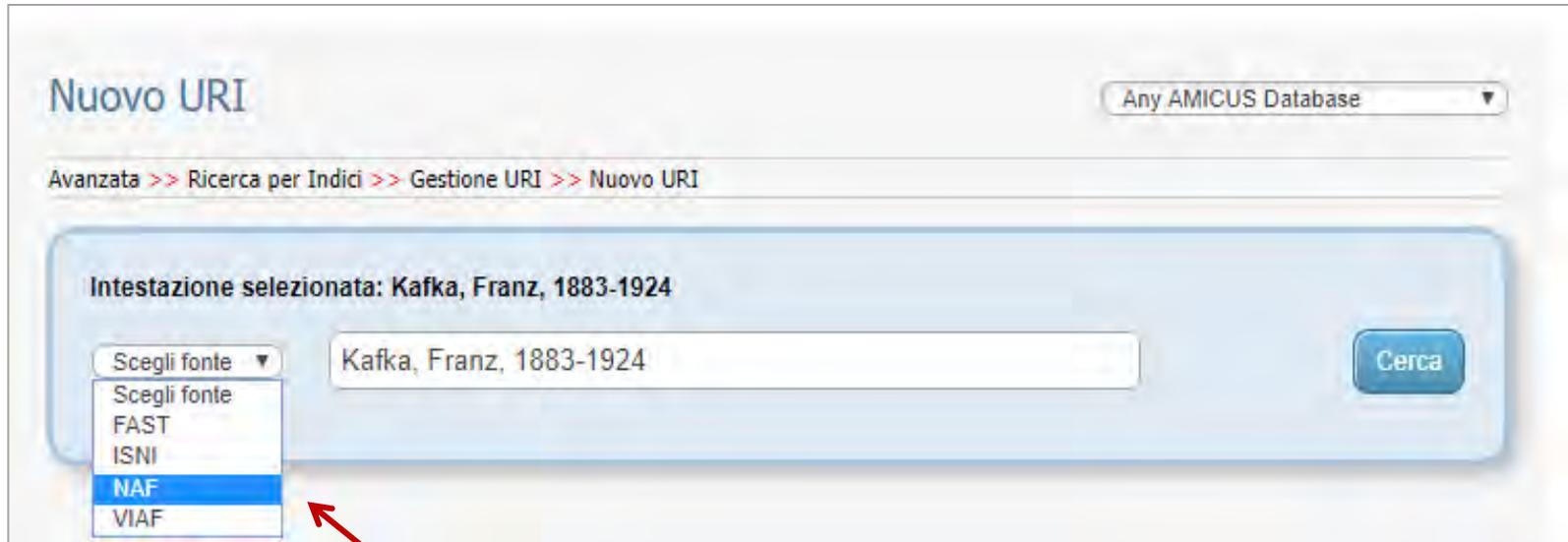
Nuovo URI Any AMICUS Database ▾

Avanzata >> Ricerca per Indici >> Gestione URI >> Nuovo URI

Intestazione selezionata: Kafka, Franz, 1883-1924

Scegli fonte ▾ Cerca

- Scegli fonte
- FAST
- ISNI
- NAF**
- VIAF



From this drop down menu the cataloguer can choose the desired source and start the URI search

Adding new URI to a heading OLISuite

Nuovo URI Any AMICUS Database ▾

Avanzata >> Ricerca per Indici >> Gestione URI >> Nuovo URI

Intestazione selezionata: Kafka, Franz, 1883-1924

NAF Cerca

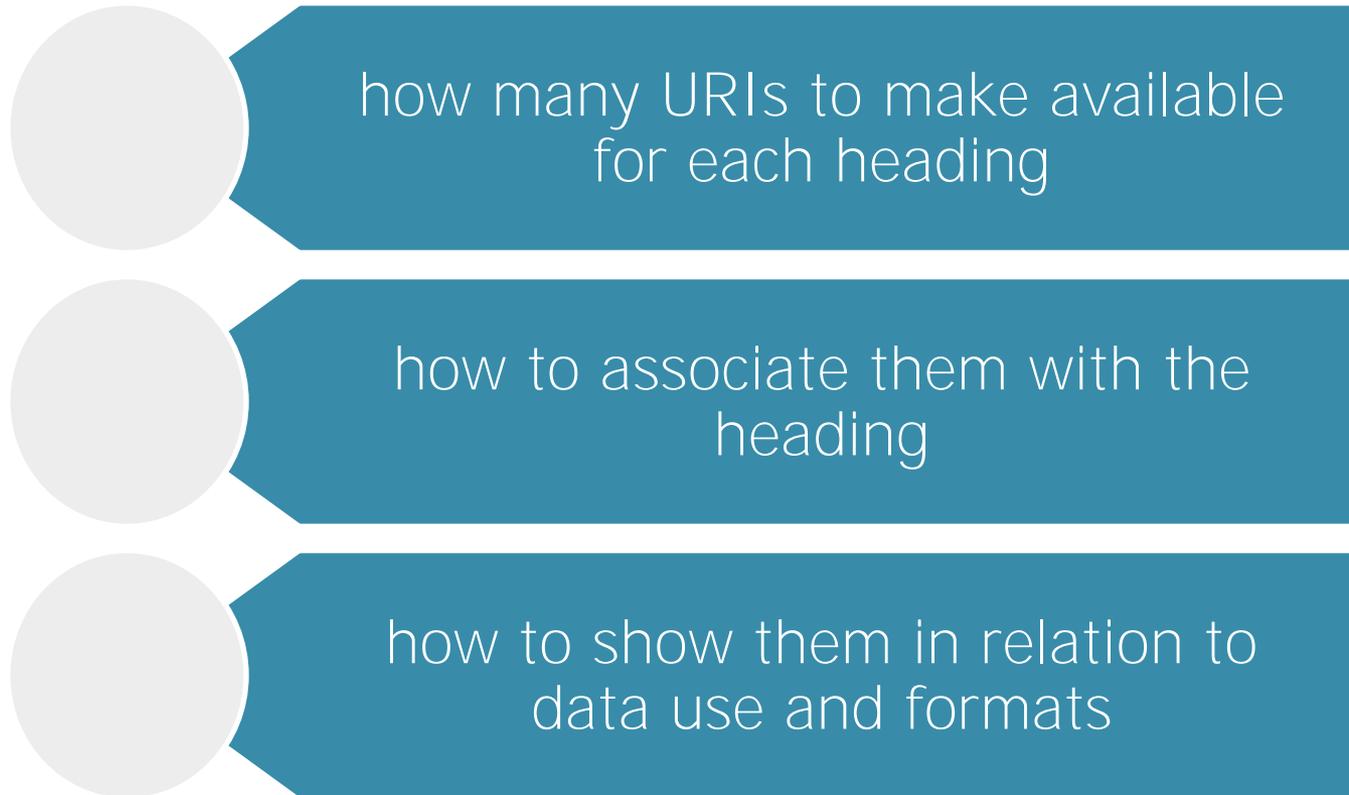
Salva

Fonte	Link	Etichetta	Aggiungi
NAF	http://id.loc.gov/authorities/names/n81063091	Kafka, Franz, 1883-1924	<input checked="" type="checkbox"/>
NAF	http://id.loc.gov/authorities/names/n82140681	Kafka, Franz, 1883-1924. Short stories. Selections. English	<input type="checkbox"/>
NAF	http://id.loc.gov/authorities/names/n82125876	Kafka, Franz, 1883-1924. Short stories. English	<input type="checkbox"/>
NAF	http://id.loc.gov/authorities/names/no2005006616	Kafka, Franz, 1883-1924. Brief an den Vater. English	<input type="checkbox"/>
NAF	http://id.loc.gov/authorities/names/no98037666	Kafka, Franz, 1883-1924. Works. 1995	<input type="checkbox"/>
NAF	http://id.loc.gov/authorities/names/n2012039411	Kafka, Franz, 1883-1924. Briefe an Milena. Hebrew	<input type="checkbox"/>
NAF	http://id.loc.gov/authorities/names/n88114203	Kafka, Franz, 1883-1924. Erzählungen und kleine Prosa. English	<input type="checkbox"/>
NAF	http://id.loc.gov/authorities/names/n91003020	Kafka, Franz, 1883-1924. Diaries	<input type="checkbox"/>
NAF	http://id.loc.gov/authorities/names/nr97033862	Kafka, Franz, 1883-1924. Works. 1946	<input type="checkbox"/>
NAF	http://id.loc.gov/authorities/names/nr99034045	Kafka, Franz, 1883-1924. Amerika. English	<input type="checkbox"/>

**From the search
result window
choose the desired
URI and SAVE**

Access points and URIs

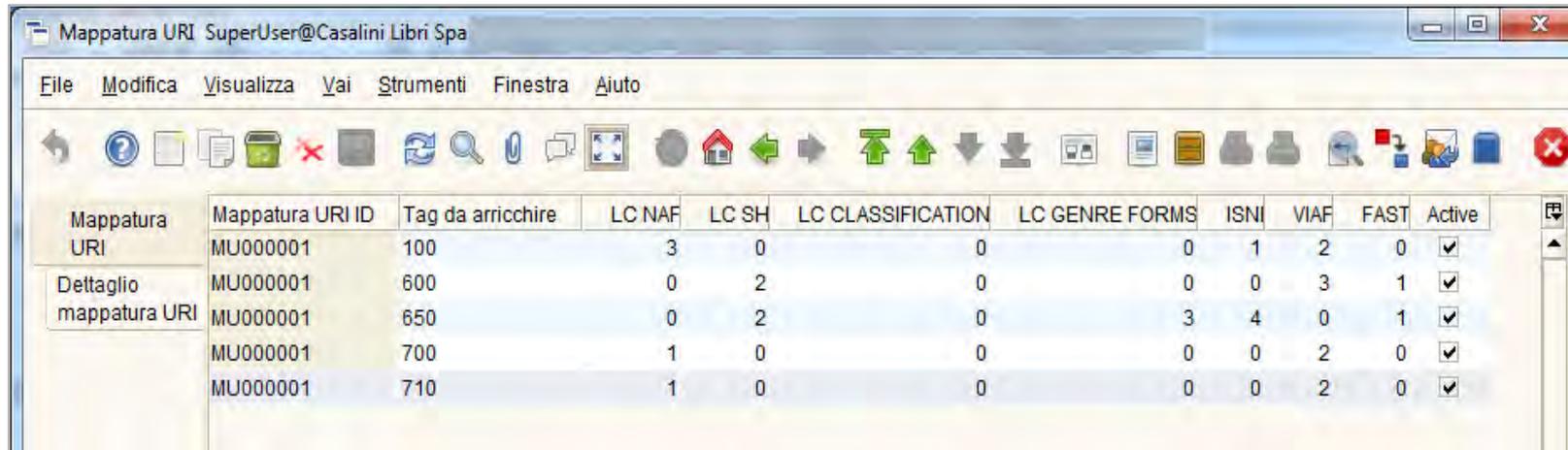
Saving the different URIs in a database table, allow them to be used in various ways, selected during the data export/conversion:



Different library profiles that were previously defined in the ERP Adempiere are considered.

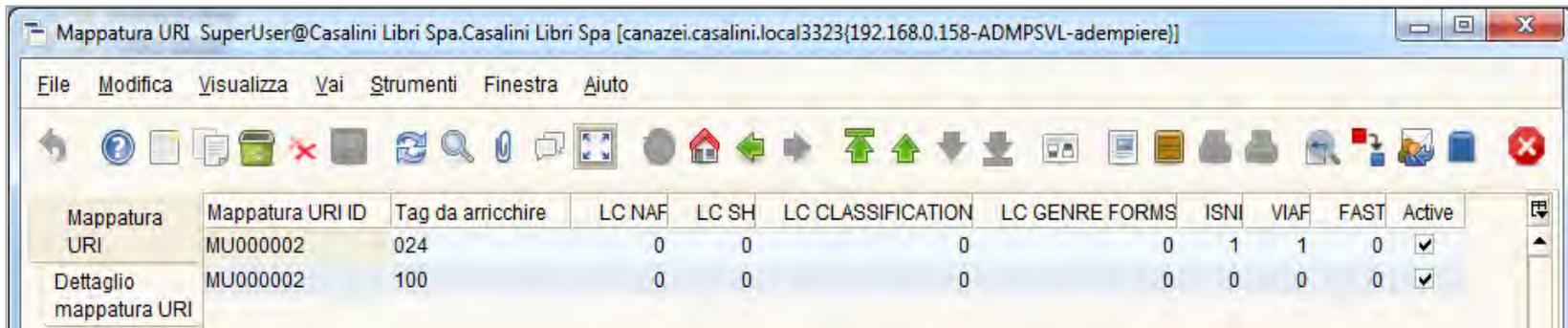
URIs/tag mapping

URIs/tag mapping for **Library A**



Mappatura URI	Mappatura URI ID	Tag da arricchire	LC NAF	LC SH	LC CLASSIFICATION	LC GENRE FORMS	ISNI	VIAF	FAST	Active
Mappatura URI	MU000001	100	3	0	0	0	1	2	0	<input checked="" type="checkbox"/>
Dettaglio mappatura URI	MU000001	600	0	2	0	0	0	3	1	<input checked="" type="checkbox"/>
	MU000001	650	0	2	0	3	4	0	1	<input checked="" type="checkbox"/>
	MU000001	700	1	0	0	0	0	2	0	<input checked="" type="checkbox"/>
	MU000001	710	1	0	0	0	0	2	0	<input checked="" type="checkbox"/>

URIs/tag mapping for **Library B**



Mappatura URI	Mappatura URI ID	Tag da arricchire	LC NAF	LC SH	LC CLASSIFICATION	LC GENRE FORMS	ISNI	VIAF	FAST	Active
Mappatura URI	MU000002	024	0	0	0	0	1	1	0	<input checked="" type="checkbox"/>
Dettaglio mappatura URI	MU000002	100	0	0	0	0	0	0	0	<input checked="" type="checkbox"/>



URI history => URI Registry

The reorganisation of a cluster can modify its original content, so we need to save the relevant cluster updates in a URI Registry.

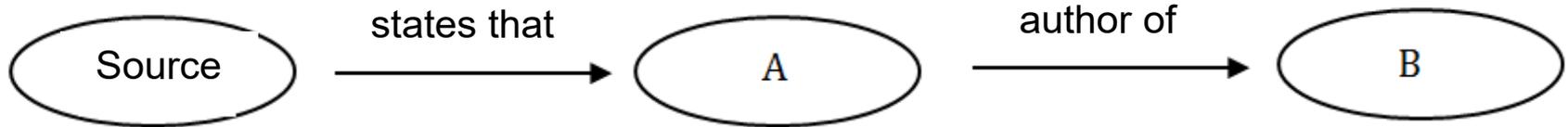
The URI Registry could keep information such as (but not limited to):

- the resources added to the cluster, but also modified or removed from it
- the date of the update
- the particular operation performed
- the status of an URI (for instance valid or invalid)
- the URI Aliases



Guarantee of authority and quality in the new LOD environment

The source or *provenance*, which, in turn, must be constructed with reference to specific ontologies, providing the classes, properties and restrictions needed for identifying it, becomes the *fourth element* added to every triple (assertion) to certify its validity, transforming the triple into a quadruple.



Stating the *provenance* of a piece of information is an essential element for increasing the trust that can be placed in data, and facilitating its use and sharing by end users or by the institutions choosing to cooperate in this way.

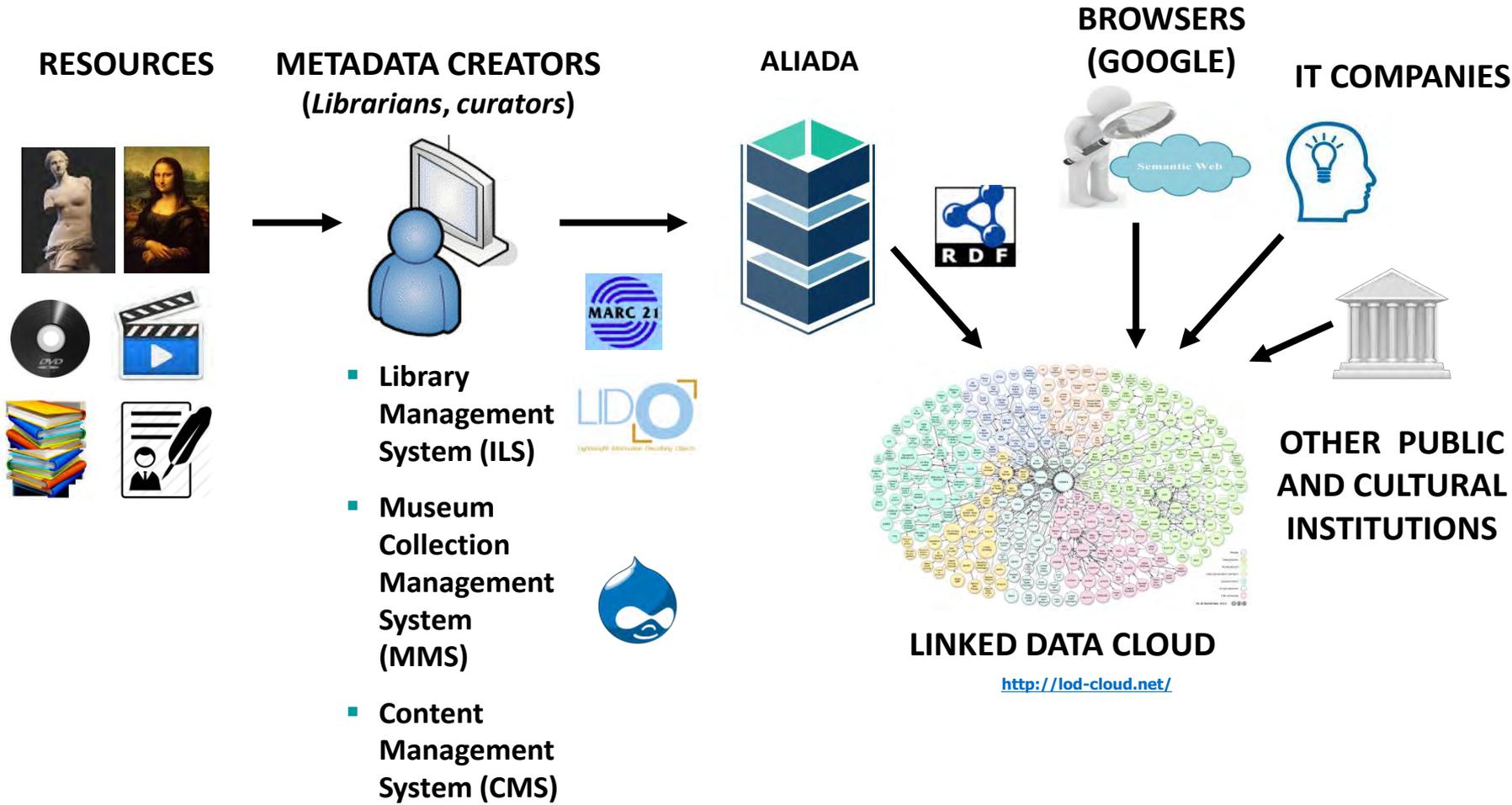


Conversion in RDF/BIBFRAME



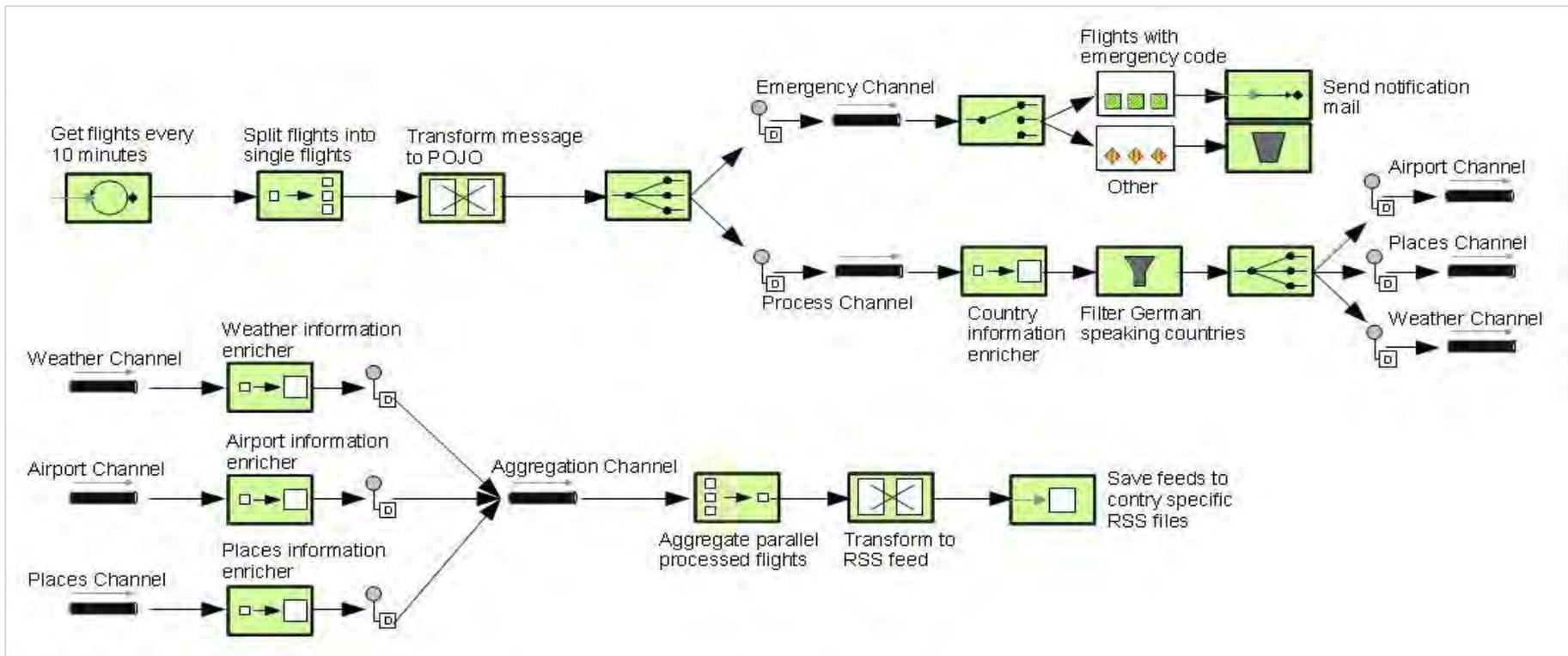
Lodify: the evolution of Aliada for BIBFRAME conversion

The conversion process from any format to RDF



Lodify - The asynchronous pipeline

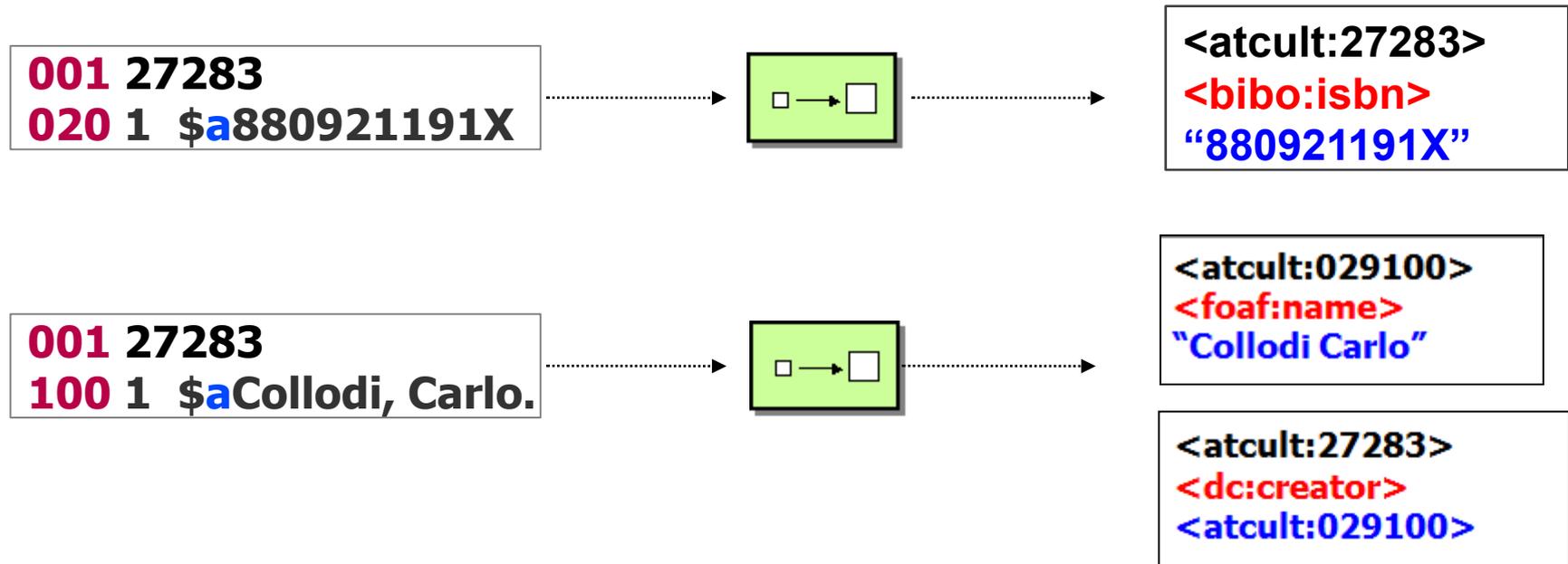
Lodify building block, realized through Apache Camel. The process is split into atomic pieces (processors), each of these responsible for a small part of the overall task. Each processor can act as a splitter or aggregator and can achieve content manipulation on the incoming message.



Lodify - Conversion templates

Lodify converts each incoming record by means of Conversion templates. Each template associates:

- a MARC record belonging to the incoming data-stream
- with a set of (conversion) rules associated with one or more ontologies.



BF LC vocabulary extensions: the state-of-art

Class List

<u>AppliesTo</u>	<u>DemographicGroup</u>	<u>Relation</u>
<u>CreatorCharacteristic</u>	<u>EncodingLevel</u>	<u>Relationship</u>

Property List

<u>applicableInstitution</u>	<u>name10MatchKey</u>	<u>title00MarcKey</u>
<u>appliesTo</u>	<u>name11MarcKey</u>	<u>title00MatchKey</u>
<u>creatorCharacteristic</u>	<u>name11MatchKey</u>	<u>title10MarcKey</u>
<u>demographicGroup</u>	<u>primaryContributorName00MatchKey</u>	<u>title10MatchKey</u>
<u>encodingLevel</u>	<u>primaryContributorName10MatchKey</u>	<u>title11MarcKey</u>
<u>metadataLicensor</u>	<u>primaryContributorName11MatchKey</u>	<u>title11MatchKey</u>
<u>name00MarcKey</u>	<u>projectedProvisionDate</u>	<u>title30MarcKey</u>
<u>name00MatchKey</u>	<u>relation</u>	<u>title30MatchKey</u>
<u>name10MarcKey</u>	<u>relationship</u>	<u>title40MarcKey</u>
		<u>title40MatchKey</u>
		<u>titleSortKey</u>

URI table for external sources

SHARE-VDE

URI_table_for_external_sources_2017-12-22.xls

2017-12-22

CODE	SOURCE	INSTITUTION	LINK TO PROJECT PAGE	URI	URI EXAMPLE	MARC21 TAG	API/WS
NAF (Names)	Library of Congress Names	Library of Congress	http://id.loc.gov/authorities/names.html	http://id.loc.gov/authorities/names	http://id.loc.gov/authorities/names/n79021285	100/110/111 \$n	lc/na

SHARE-VDE							
URI_table_for_external_sources_2017-12-22.xls							
SPARQL endpoint	RDF dump	LICENSE TERMS	URL SEARCH	NOTES	AUTHIFY (Yes for search URL specified)	SUBFIELD \$0/\$1	
	Yes		http://id.loc.gov/search/?q=Shakespeare+William&q=cs%3Ahttp%3A%2F%2Fid.loc.gov%2Fauthorities%2Fnames&format=atom&start=1		http://\$({host}):\$({port})/authify/lcnaf/persons?q=Eco,U=-----		
	Yes		http://id.loc.gov/search/?q=bible+old+testament&q=cs%3Ahttp%3A%2F%2Fid.loc.gov%2Fauthorities%2Fnames OR http://id.loc.gov/search/?q=niccolo+macchiavelli+arte+della+guerra&q=cs:http://id.loc.gov/authorities/names		http://\$({title=Bible http://\$({title=guerra		
	Yes		http://id.loc.gov/search/?q=poetry&q=cs%3Ahttp%3A%2F%2Fid.loc.gov%2Fauthorities%2Fsubjects&format=atom&start=1		http://\$({q=Diarie:		
	NO		http://id.loc.gov/search/?q=poetry&q=cs%3Ahttp%3A%2F%2Fid.loc.gov%2Fauthorities%2Fclassifications&format=atom&start=1		NO		http://id.loc.gov/authorities/subjects/sh85037601
	NO		http://id.loc.gov/search/?q=viaf&q=cs%3Ahttp%3A%2F%2Fid.loc.gov%2Fvocabulary%2Fidentifiers&format=atom&start=1				
			http://id.loc.gov/search/?q=italy&q=cs%3Ahttp%3A%2F%2Fid.loc.gov%2Fvocabulary%2FgeographicAreas&format=atom&start=1	It can be added as a fix value "http://id.loc.gov/vocabulary/geographicAreas/" + \$a. For example: http://id.loc.gov/vocabulary/geographicAreas/a-ko	NO		http://id.loc.gov/vocabulary/geographicAreas/a-ko
				Addition of URI in export process: creation of a table that searches the corresponding URI from the \$e field. The /detect service exist, it retrieves the relator code from the responsibility expressed in the 245 \$c tag.			http://id.loc.gov/vocabulary/relators/aut
			http://id.loc.gov/search/?q=creator&q=cs%3Ahttp%3A%2F%2Fid.loc.gov%2Fvocabulary%2Frelators&format=atom&start=1		/detect		
			http://id.loc.gov/search/?q=italians&q=cs%3Ahttp%3A%2F%2Fid.loc.gov%2Fvocabulary%2Flanguages&format=atom&start=1		NO		
			http://id.loc.gov/search/?q=italy&q=cs%3Ahttp%3A%2F%2Fid.loc.gov%2Fvocabulary%2Fcountries&format=atom&start=1		NO		
			http://isni.oclc.nl/sru/?query=pica.na%3D%22Shakespeare%20%20William%22&operation=searchRetrieve&recordSchema=isni-b%26maximumRecords=3&recordPacking=xml	URI implementation with the available API. Massive usage with authentication.	NO		http://isni.org/isni/0000000120981297
	Yes		http://viaf.org/viaf/search?query=local.personalNames+%22Shakespeare%20William%22&sortKeys=holdingscount&maximumRecords=2&httpAccept=application/xml				http://viaf.org/viaf/14356



SHARE-VDE phase 2 deliverables



Phase 2 deliverables overview

Linked

D1

the catalogue of each library converted into BIBFRAME 2.0 format

Entities are reconciled in the dataset and linked to SHARE-VDE project URIs of D2 for identification.

D2

the SHARE-VDE project Knowledge base of clusters in RDF format

Is common for all institutions as it includes data from all of the participants. Entities in D2 are enriched with URIs from external sources. All variant forms are included.

D3

the dataset converted in BIBFRAME 2.0 with external URIs included

This dataset includes a certain number of relationships already present in the knowledge base. Works autonomously from D2.

D4

the MARC21 version of D3

It includes all of the institution's records enriched with URIs.



The Heads of Cataloging Departments Interest Group
Midwinter ALA Denver

Monday, February 12th, 2018

Thank you!

Any questions or feedback are greatly appreciated.

Michele Casalini, Managing Director
michele@casalini.it

