



FREE LIBRARY SYSTEM MAKATI, PHILIPPINES / June 19-23, 2017

Publishing Library Linked Data via KOHA and ALIADA open source systems

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SCANBIT, Technology and Services for Libraries

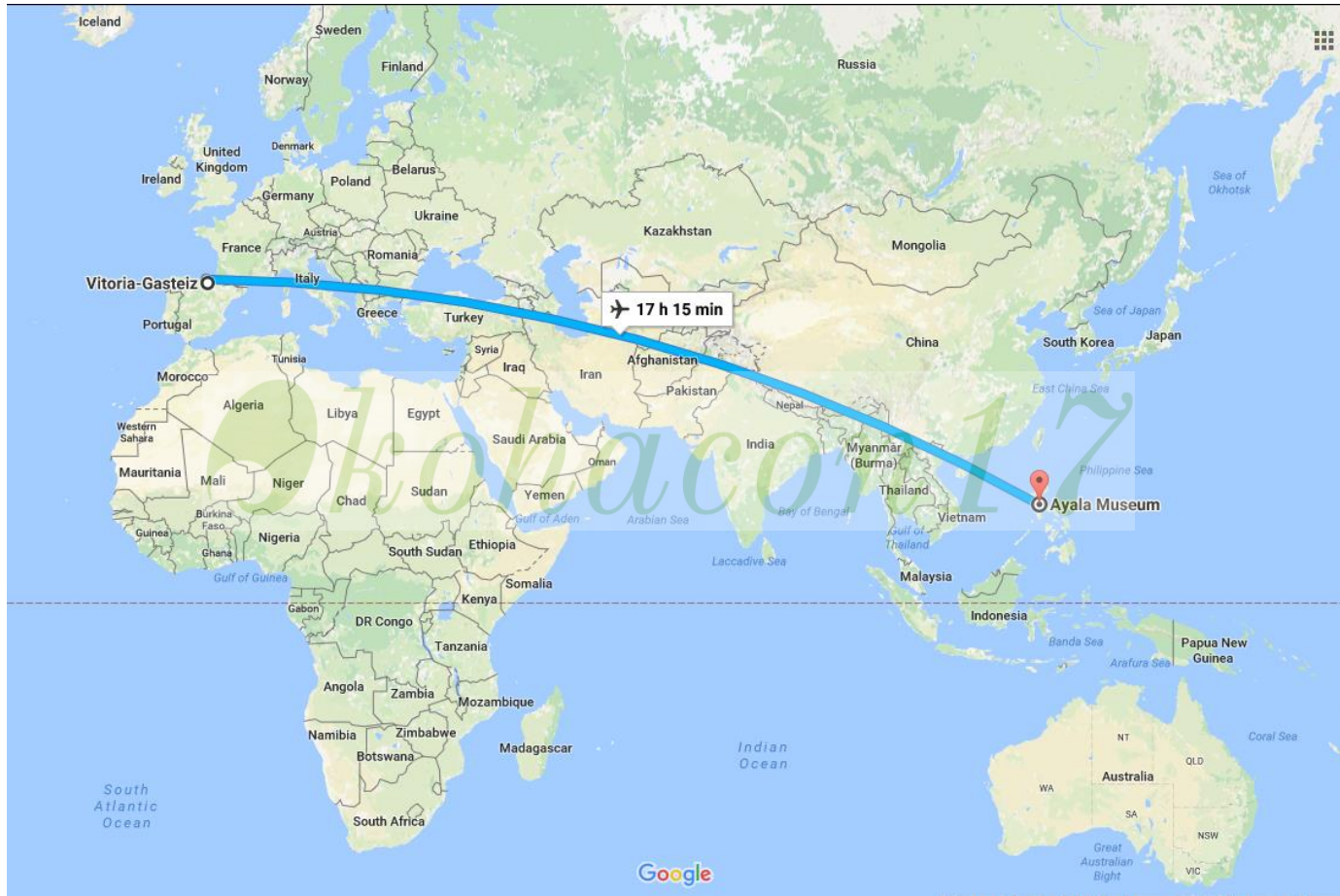
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A short presentation...

- **20-years** Spanish IT company specialized in technology and outsourcing services for **libraries (public or specialized), archives, museums, universities and publishers**
- Consultancy, development and implementation services for proprietary and open source library systems: **KOHA, VuFind, LibriSuite** (Dobis-Libis, AMICUS), **Dspace**
- Projects in **Spain, Italy, UK, Germany or Mexico**
- Our team: **Software developers, Systems administrators and Librarians**
- **Innovation and ongoing training (ALIADA)**
- Presentations at **KOHAference** (Spain), **KOHA Italian Group Conference** and **KOHACon**
- **Some references:** Spanish Ministry of Culture, National Library of Spain, Universia-Santander Bank, Basque Government, SOAS University of London, Pontifical University of the Holy Cross,...

A short presentation...



Committed to the KOHA Community!

- Tim Berners-Lee, director of the World Wide Web Consortium (W3C), coined the term in a design note about the Semantic Web project
- Method of publishing structured data so that it can be interlinked and become more useful
- Standard Web technologies: HTTP, RDF, URI, SPARQL, OWL...
- To share information in a way that can be read automatically by computers
- Enables data from different sources to be connected and queried



What is Linked Data?



ALIADA

- ★ Data published under open license
- ★★ Machine-readable data
- ★★★ Non-proprietary format
- ★★★★ RDF standards
- ★★★★★ Linked RDF



<http://www.w3.org/DesignIssues/LinkedData.html>

“We’re moving from a web of documents to a **web of data**”

- Be a ‘thing’ (unique url)
- Use HTTP URIs (unique identifiers) to designate your data
- Provide useful information in your URIs
- Use standards (RDF*, SPARQL)
- Include links to other URIs to discover more things

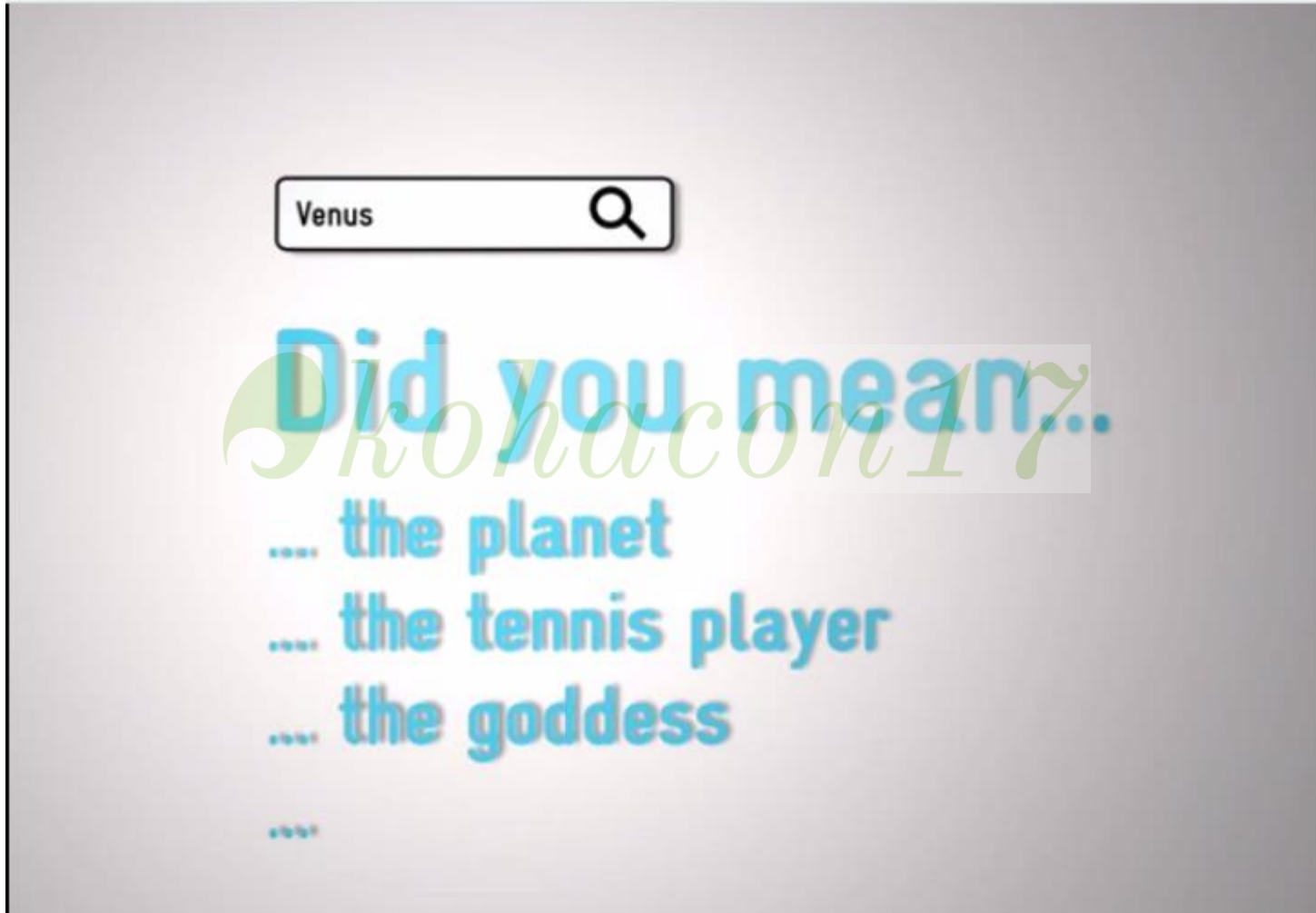
[http://viaf.org/viaf/110981647/#Kahlo, Frida, 1907-1954](http://viaf.org/viaf/110981647/#Kahlo,_Frida,_1907-1954)

http://dbpedia.org/resource/Pablo_Picasso

<http://vocab.getty.edu/ulan/500009666>

“Use URIs as names for *things* (data)”

What is Linked Data?



Europeana's video explaining LOD: <https://vimeo.com/36752317>

- A **global pool of shared data** that can be re-used to describe resources will avoid the redundant effort of the current cataloging processes.
- The **use of the Web** and Web-based identifiers will make up-to-date resource descriptions directly citable by catalogers.
- Linked Data **is more durable and robust** than metadata formats that depend on a particular data structure.
- Developers will also **no longer have to work with library-specific data formats** (MARC, LIDO).
- With Linked Open Data, libraries can **increase their presence on the Web**, where most information seekers may be found.

<http://www.w3.org/2005/Incubator/lld/wiki/Benefits>

“(...) Because linked data can be easily understood by computers, resulting in opportunities for improved library workflows, enhanced user experiences, and discovery of library collections through a variety of popular sites and Web services, including Google, Wikipedia and social networks.”

(Tennant, Roy. “Getting started with linked data”. OCLC Next, 2016. <http://www.oclc.org/blog/main/getting-started-with-linked-data-3/>)

Why Library Linked Data



ALIADA

DATOS·BNE·es



THE BRITISH NATIONAL BIBLIOGRAPHY
as Linked Open Data



- https://wiki.koha-community.org/wiki/Linked_Data_RFC : thoughts on how KOHA can start to take advantage of these technologies
- Goals:
 - ✓ Keep MARC, for now
 - ✓ Explore and take advantage of RDF/Linked Data/Semantic Web technologies
 - ✓ Reuse stuff that others have made
 - ✓ Keep things flexible and light weight
 - ✓ Focus on making something that is useful in the OPAC
- First steps
 - ✓ Transform MARC to RDF (e.g. [marc2rdf](#))
 - ✓ Save the resulting RDF in a triplestore
 - ✓ Create an interface in Koha for enriching the RDF in the triplestore with the knowledge of librarians and data from external sources.
 - ✓ Create an interface in the OPAC for exploring the data in the triplestore
 - ✓ Exploring links and relationships, compared to the free text search we are used to with MARC.







- KOHA records can be exported as RDF
- Other discussion topics:
 - Ontology based on BIBFRAME or FRBR?
- Linked Data at the Marseille Koha Hackfest
<http://bywatersolutions.com/2017/04/13/linked-data-at-the-marseille-hackfest/>

KohaCon17

How to start publishing as Linked Data?



ALIADA

- Cataloguing data according international conceptual models and standards (FRBR, BIBFRAME, CIDOC-CRM, ...) 
- Exporting records to standard metadata schemes (MARC, LIDO or Dublin Core) and formats (XML) 
- Selecting an ontology and vocabularies 
- Converting MARC/LIDO/DC metadata to RDF statements 
- Linking the own dataset to other datasets (one domain or multidomain) 
- Publishing Linked (Open) Data 

*“Librarians and curators are experts in cataloguing and making accessible their resources, but they don’t know about Linked Data technology, so they need **an ally**”*

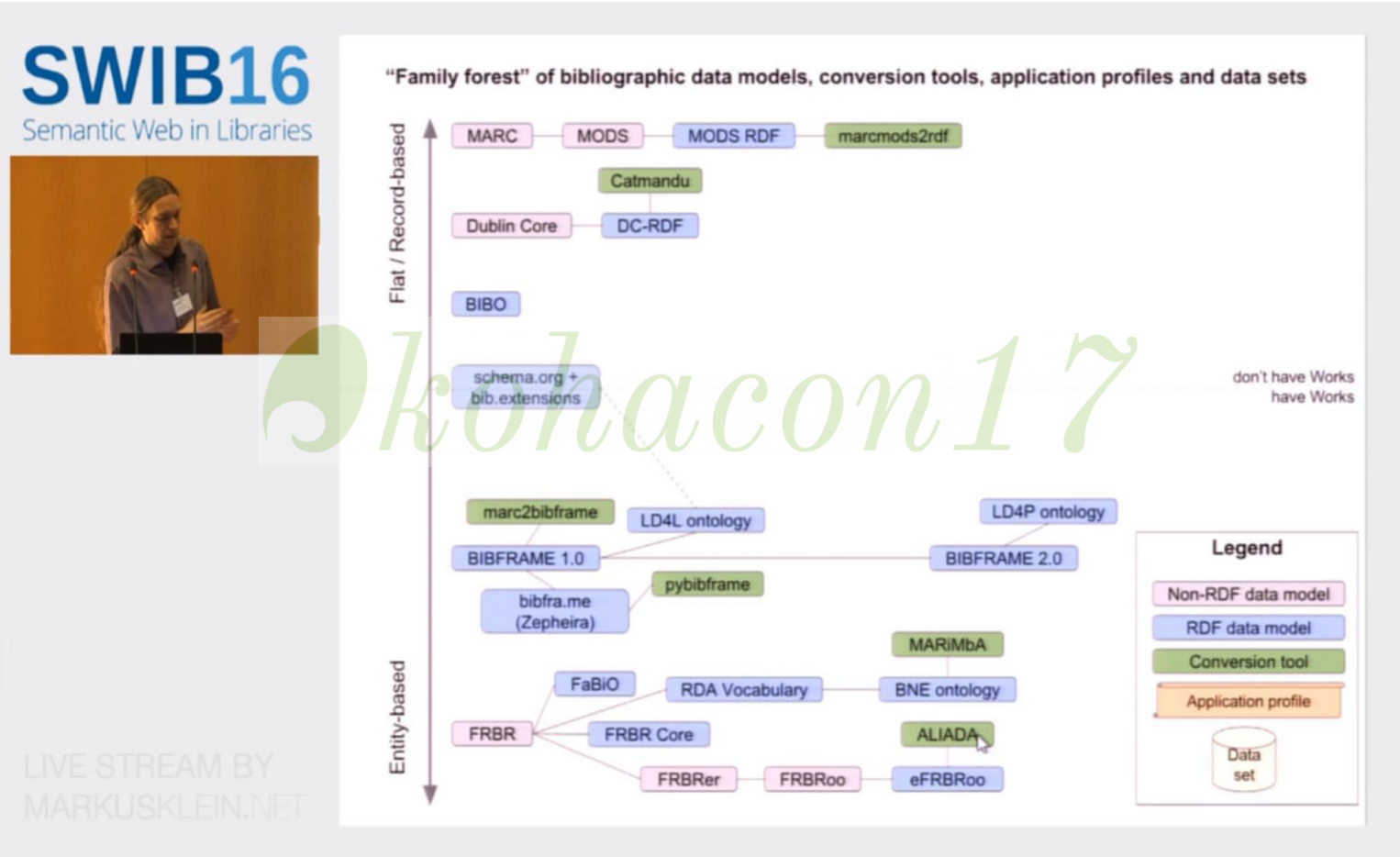
(ALIADA Project Consortium, 2015)



- **EU FP7-** ENV-2012 Collaborative project 2013-2015
- **Project website:** <http://www.aliada-project.eu/>
- **Partners:** Art museums, libraries, ILS vendors, experts on Semantic technologies
- **Final release:** October 2015
- **Open source** community: <https://github.com/ALIADA/aliada-tool>
- ALIADA is **free software**, you can redistribute it and/or modify it under the terms of the GNU GPL v3 ([License](#))

- **Open source** Java application to **automatically publish** as Linked Data the metadata created by a library or museum management system
- Supported **metadata types** (types of datasets): bibliographic records, authority records, descriptions of museum objects and other information resources
- Compliant with **MARC XML, LIDO XML and Dublin Core** formats
- Conversion to RDF triples (mapping) according to the **ALIADA ontology**, mainly based on **FRBRoo**, SKOS, WGS84 and FoaF ontologies
- Linking to other datasets, such as Europeana, British National Bibliography, Spanish National Library, Freebase Visual Art, DBpedia, Hungarian National Library, Library of Congress Subject Headings, Lobid, MARC codes list, VIAF Virtual International Authority File or Open Library
- Automatic publication of dumps (URIs) and SPARQL Endpoint on DataHub





Suominen, Osmo. "From MARC Silos to Linked Data Silos?". *SWIB16*. Bonn, 2016
http://swib.org/swib16/slides/suominen_silos.pdf

1st prototype (2014)

- User interface in Spanish and English.
- Validation of imported records (MARC Bibliographic and LIDO)
- Mapping templates (FRBRoo)
- RDF-izer ([ALIADA ontology](#))
- Linking to some datasets: Europeana, BNB, BNE, Freebase, Dbpedia, NSZL, Geonames and MARC Code Lists (SPARQL endpoint)
- Linked data server creation + SPARQL endpoint + URIs dereferencing .
- Linked dataset validation: through a number of SPARQL queries.

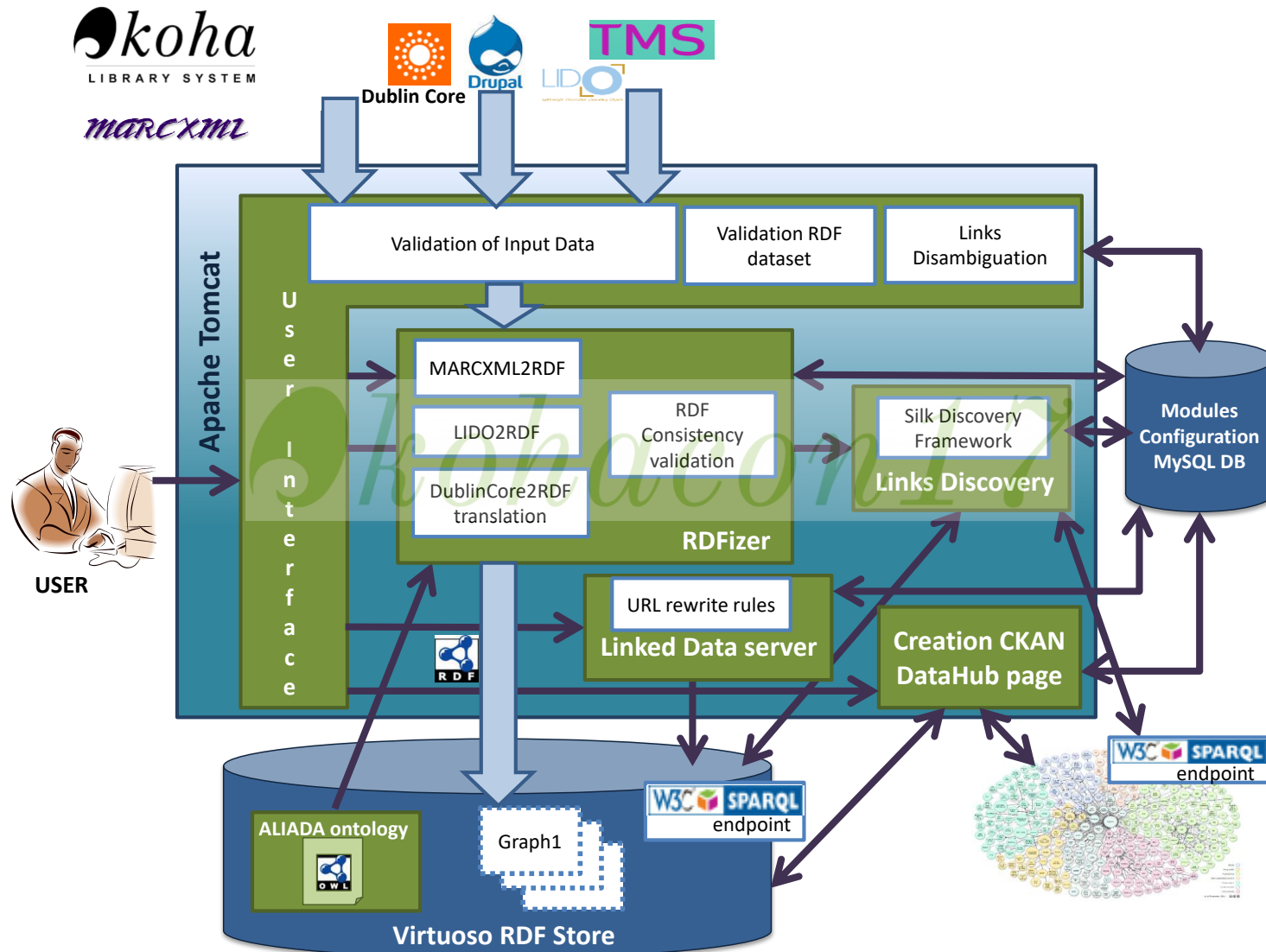
2nd prototype (2015)

- Translation of DublinCore XML and MARC XML Authorities to ALIADA ontology.
- Validation of RDF dataset consistency.
- NER (Named Entity Recognition) for some text free elements
- Ad-hoc linking to some of the listed external datasets , which do not provide a SPARQL endpoint such as VIAF, LOBID, Open Library and Library of Congress Subject Headings.
- Links disambiguation: the system offers to the user a set of possible ambiguous links: so the user can decide which links are correct and which ones should be rejected.
- Advanced URI de-referencing and creation of a web page for the generated dataset.
- Publication in CKAN of the created linked dataset + DataHub LOD validator.
- Translation of the user interface to Italian and Hungarian.
- ALIADA offers REST services in order to be integrated with other systems: ILS and CMS.

ALIADA, architecture



ALIADA



© ALIADA Project Consortium

• ALIADA Selection and Validation of Metadata

- MARCXML/Dublin Core
- From KOHA export files
- From KOHA OAI server

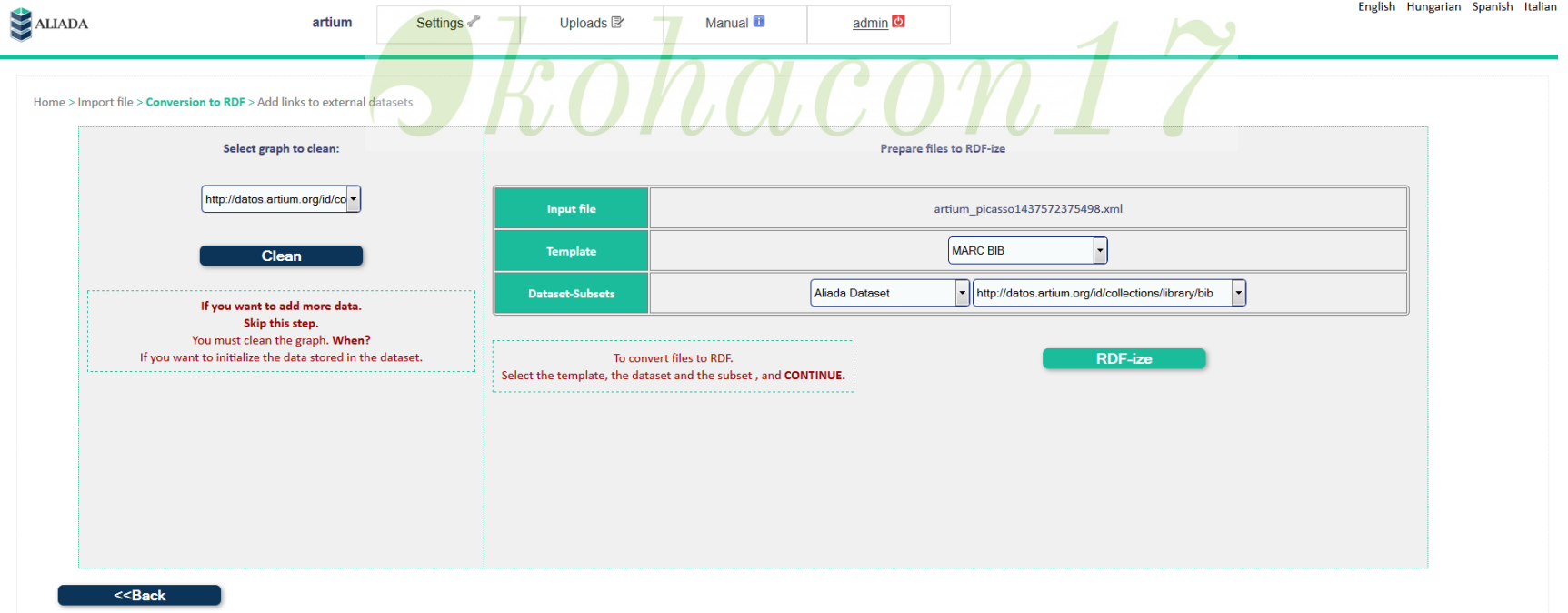


The screenshot displays the ALIADA web interface for metadata import. The top navigation bar includes the ALIADA logo, user 'artium', and links for Settings, Uploads, Manual, and admin. Language options (English, Hungarian, Spanish, Italian) are on the right. The main content area is titled 'Home > Import file > Conversion to RDF > Add links to external datasets'. A 'Query RDF dataset' button is in the top right. The interface is divided into two panels. The left panel, 'Process as (select processing settings)', shows a dropdown menu set to 'MARC BIB', a 'Profiles' button, and a section for 'Import xml file (Maximum size 1Gb):' with a 'Browse' button and the filename 'artium_picasso.xml'. Below are 'Import' and 'Error log' buttons. The right panel, 'Choose a file from the next list:', contains a table with one row: 'artium_picasso1437572375498.xml', 'MARC BIB', and a status icon. A 'Next>>' button is at the bottom right.

File name	Profile	Status
artium_picasso1437572375498.xml	MARC BIB	

● ALIADA Conversion to RDF

- According to ALIADA Ontology (FRBRoo, SKOS, FOAF...)
- Predefined mapping templates
- Datasets for Bib and Aut records



The screenshot shows the ALIADA web interface. At the top, there is a navigation bar with the ALIADA logo, the user 'artium', and links for 'Settings', 'Uploads', 'Manual', and 'admin'. On the right, there are language options: 'English', 'Hungarian', 'Spanish', and 'Italian'.

The main content area is titled 'Home > Import file > Conversion to RDF > Add links to external datasets'. It is divided into two main sections:

- Select graph to clean:** This section contains a dropdown menu with the value 'http://datos.artium.org/id/co' and a 'Clean' button. Below this, there is a dashed box with the text: 'If you want to add more data. Skip this step. You must clean the graph. When? If you want to initialize the data stored in the dataset.'
- Prepare files to RDF-ize:** This section contains a table with three rows: 'Input file' (value: 'artium_picasso1437572375498.xml'), 'Template' (value: 'MARC BIB'), and 'Dataset-Subsets' (value: 'Aliada Dataset' and 'http://datos.artium.org/id/collections/library/bib'). Below the table, there is a dashed box with the text: 'To convert files to RDF. Select the template, the dataset and the subset, and CONTINUE.' and a green 'RDF-ize' button.

At the bottom left, there is a '<<Back' button.

- **ALIADA Conversion to RDF**
 - Check of the triplestore (usability)

Conversion to RDF

File to RDF-ize:	artium_picasso1437572375498.xml ✓
Format:	marcxml
Total number of records:	20
Number of records processed:	21
Number of statements emitted:	1714
Record processing throughput:	2.0933014354066986 records/sec
Triples production throughput:	170.85326953748006 triples/sec

Query RDF dataset Next>>



ALIADA

Authors (27) Objects (0) Manifestations (31) Works (26)

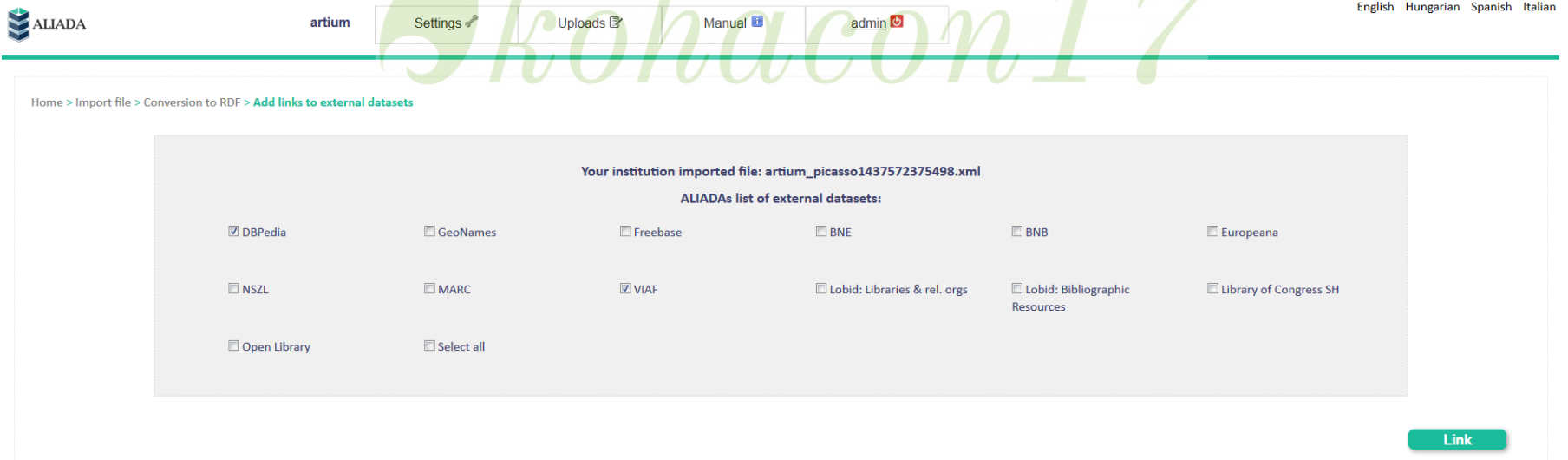
Manifestations

Show 100 entries Search:

Name	URI
20 años no son nada, si son con Picasso	http://aliada.scanbit.net:8891/id/collections/library/bib/F3_Manifestation_Product_Type/87485f85-22c9-3b98-837d-ca1e37c35de9
[Santiago Roncagliolo elige a Pablo Picasso]	http://aliada.scanbit.net:8891/id/collections/library/bib/F3_Manifestation_Product_Type/6445aa7d-88fd-3c9e-bc23-7bda2df483a6
Apollinaire	http://aliada.scanbit.net:8891/id/collections/library/bib/F3_Manifestation_Product_Type/bf5e780c-9444-3671-ba11-996066d78850
Archivo FX	http://aliada.scanbit.net:8891/id/collections/library/bib/F3_Manifestation_Product_Type/0d9d14ba-fc76-3bdf-bf8b-762e495e83f6
Disputas por el "Guernica"	http://aliada.scanbit.net:8891/id/collections/library/bib/F3_Manifestation_Product_Type/565cb6fe-7881-3fc0-b4d5-27697dd199a7
Economía :	http://aliada.scanbit.net:8891/id/collections/library/bib/F3_Manifestation_Product_Type/0d9d14ba-fc76-3bdf-bf8b-762e495e83f6
El Artium se enreda con el "Guernica"	http://aliada.scanbit.net:8891/id/collections/library/bib/F3_Manifestation_Product_Type/6a8ce42f-ea7a-309d-9dfa-e32d9a0367cc
El Guernica de Picasso. De París a Nueva York	http://aliada.scanbit.net:8891/id/collections/library/bib/F3_Manifestation_Product_Type/a2af219a-c9b1-3ce7-b021-9338c26fe288
Entre musas	http://aliada.scanbit.net:8891/id/collections/library/bib/F3_Manifestation_Product_Type/307433e9-dc67-322b-ad92-38a5a8bbe67d
La Barcelona de Picasso	http://aliada.scanbit.net:8891/id/collections/library/bib/F3_Manifestation_Product_Type/303dd1bc-551b-3c4a-b5c4-2b83383c83c7
La botella de Marc añejo	http://aliada.scanbit.net:8891/id/collections/library/bib/F3_Manifestation_Product_Type/8e1447c2-ecd1-373a-8643-c3e86fd93c75
Max Jacob	http://aliada.scanbit.net:8891/id/collections/library/bib/F3_Manifestation_Product_Type/82ae6497-4e7f-3e28-a181-71f0749327e3
Negro sobre blanco	http://aliada.scanbit.net:8891/id/collections/library/bib/F3_Manifestation_Product_Type/fc992139-5184-300d-9477-cd309a858002
Pablo Picasso, el laboratorio del artista	http://aliada.scanbit.net:8891/id/collections/library/bib/F3_Manifestation_Product_Type/3a98732f-cf91-352c-adea-5e6486682175


• ALIADA Linking to External Datasets


- Predefined list of datasets
- Selection of the datasets to discover the links
- Creation of links and URIs





ALIADA

artium

Settings 

Uploads 

Manual 

admin 

English Hungarian Spanish Italian

Home > Import file > Conversion to RDF > Add links to external datasets

Your institution imported file: artium_picasso1437572375498.xml

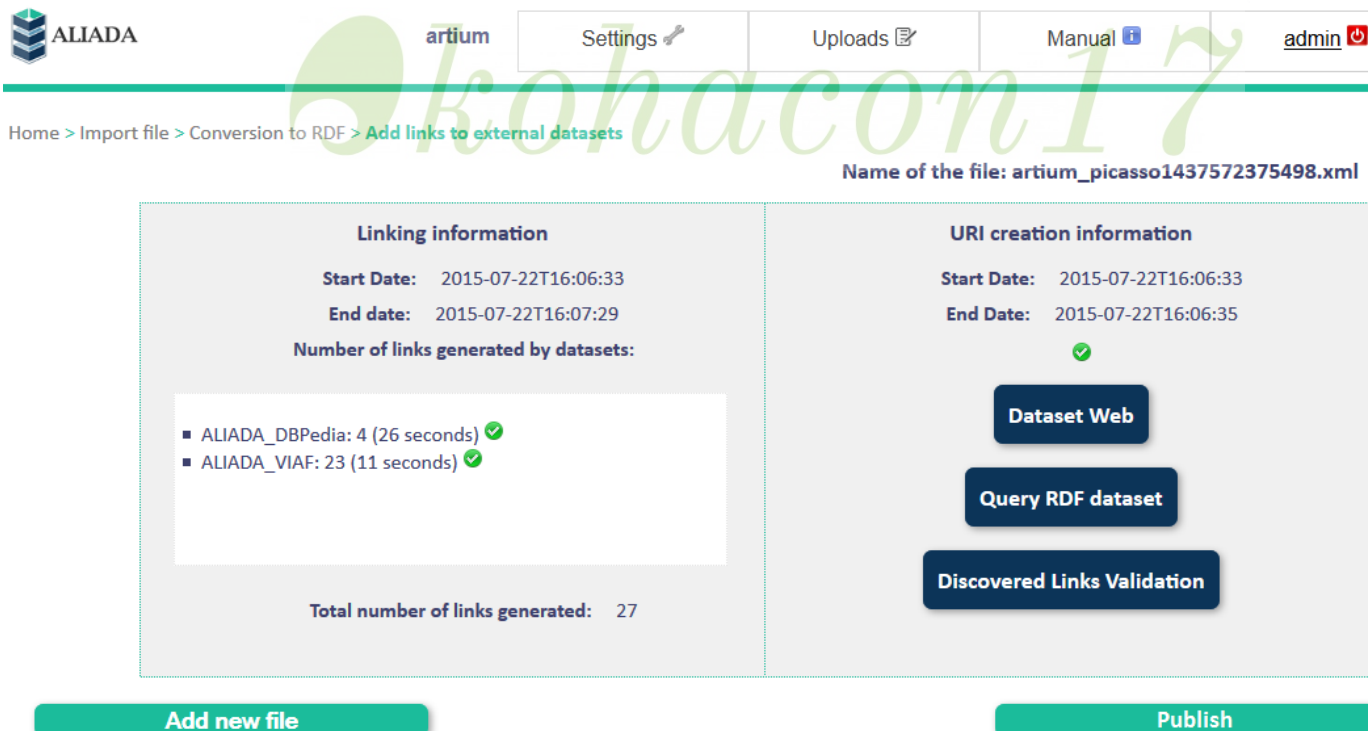
ALIADAs list of external datasets:

<input checked="" type="checkbox"/> DBPedia	<input type="checkbox"/> GeoNames	<input type="checkbox"/> Freebase	<input type="checkbox"/> BNE	<input type="checkbox"/> BNB	<input type="checkbox"/> Europeana
<input type="checkbox"/> NSZL	<input type="checkbox"/> MARC	<input checked="" type="checkbox"/> VIAF	<input type="checkbox"/> Lobid: Libraries & rel. orgs	<input type="checkbox"/> Lobid: Bibliographic Resources	<input type="checkbox"/> Library of Congress SH
<input type="checkbox"/> Open Library	<input type="checkbox"/> Select all				

Link

• ALIADA Automatically Publishes the Dataset

- Dump of triples
- SPARQL end point
- Integration with Datahub



ALIADA artium Settings Uploads Manual admin

Home > Import file > Conversion to RDF > Add links to external datasets

Name of the file: artium_picasso1437572375498.xml

Linking information

Start Date: 2015-07-22T16:06:33
End date: 2015-07-22T16:07:29
Number of links generated by datasets:

- ALIADA_DBPedia: 4 (26 seconds) ✓
- ALIADA_VIAF: 23 (11 seconds) ✓

Total number of links generated: 27

URI creation information

Start Date: 2015-07-22T16:06:33
End Date: 2015-07-22T16:06:35
✓

Dataset Web

Query RDF dataset

Discovered Links Validation

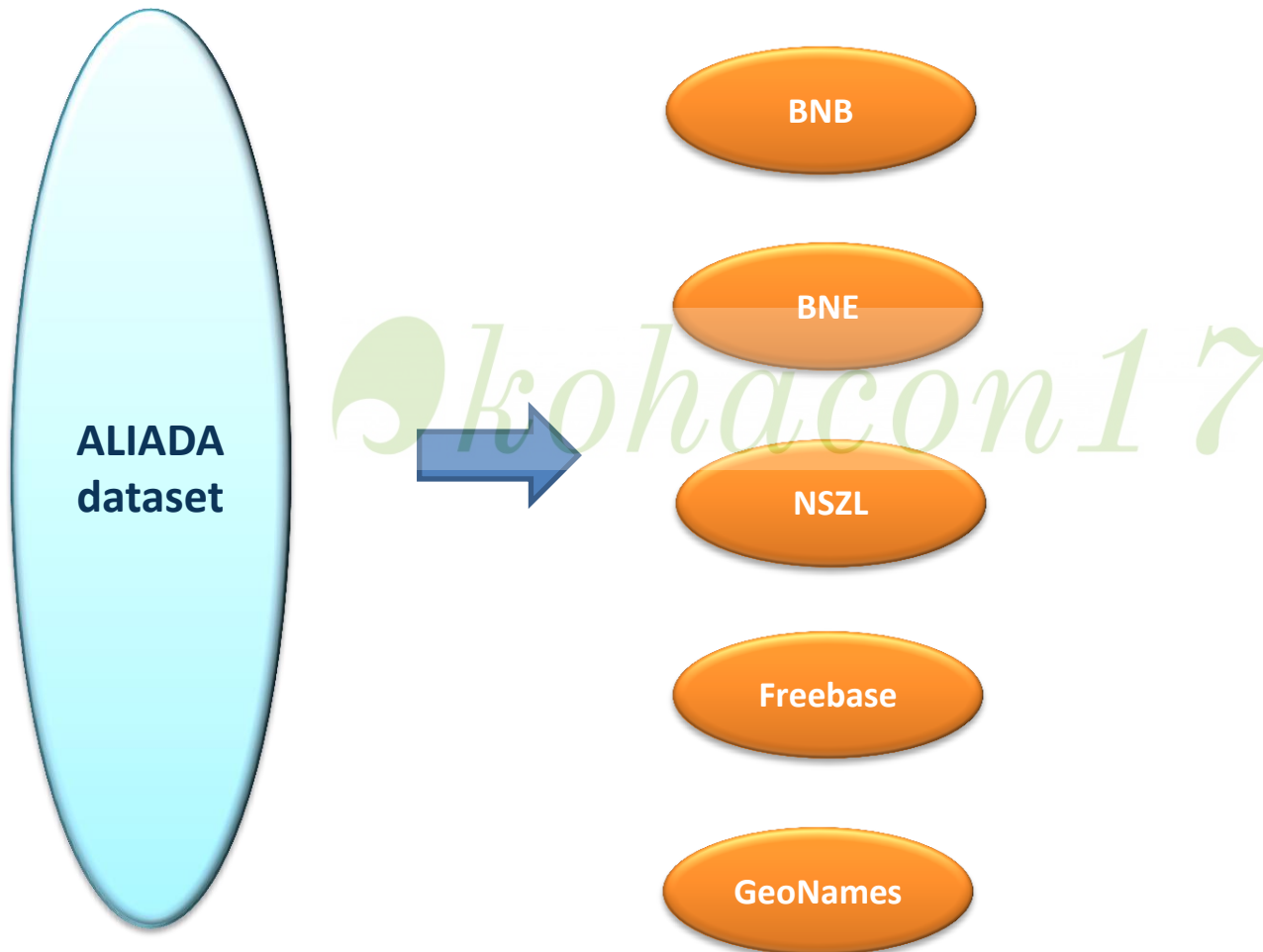
Add new file Publish

- **ALIADA RDFizer**

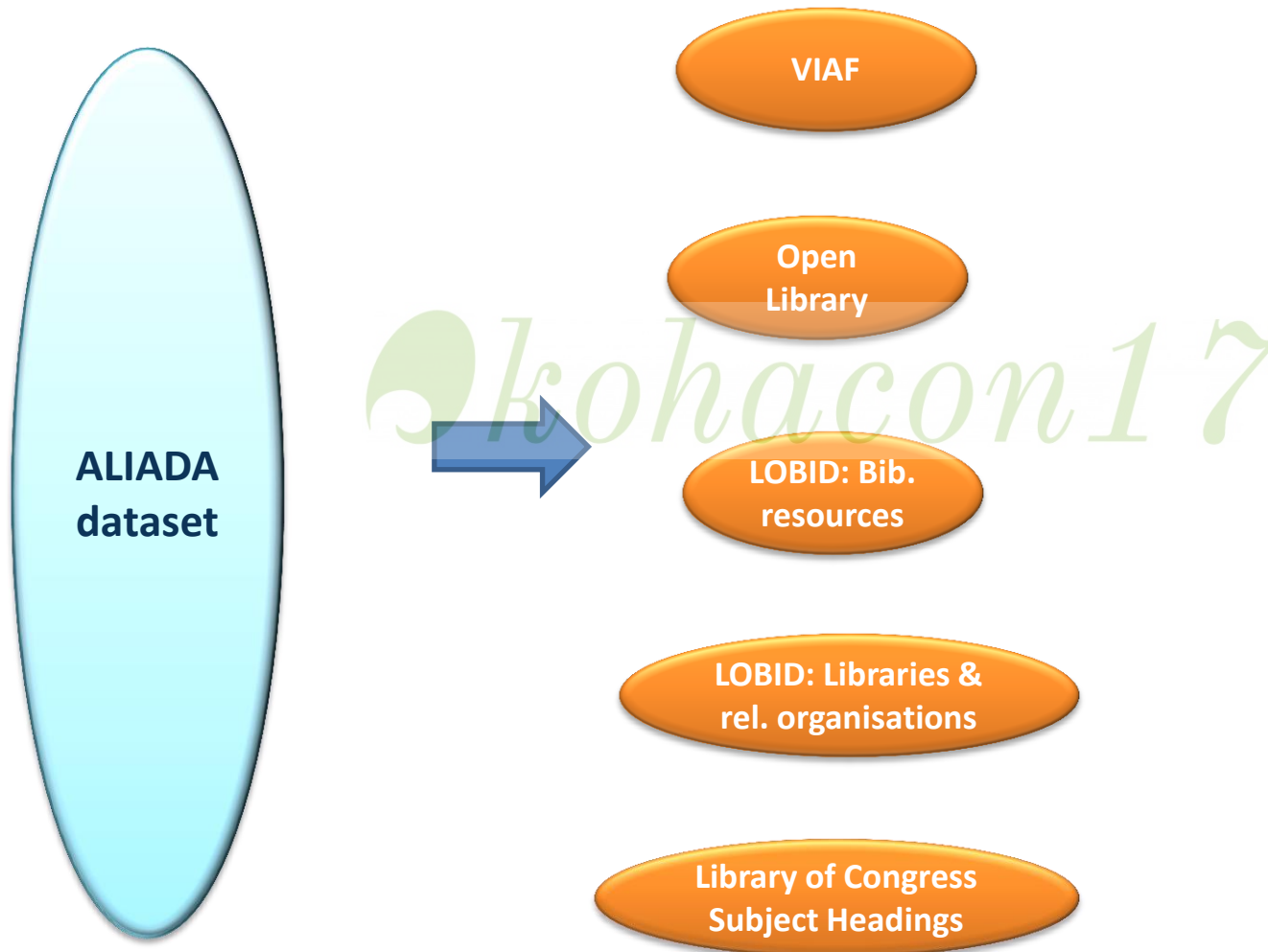
- Scalability (RESTful application, Apache Camel asynchronous channels, JEE web application)
- Modularity (Conversion templates are configurable and extensible)
- Reusability (Standalone installation of the RDFizer)
- Easy to use/maintain (Conversion job is controlled by the so-called “conversion templates”, which are runtime-interpreted scripts very easy to maintain)
- Easy to extend (The library is free to create their conversion template, producing an arbitrary output format, with another ontology)
- Validation before the conversion (Jena OWL Micro Reasoner)

- **NER of free text fields.**
 - A dedicated component for doing NLP (Natural Language Processing). Recognizes sequences of words in a text which are the names of things, such as person, company names and places.
 - In LIDO it is applied to `<lido:descriptiveNoteValue xml:lang="en" lido:type="physical-description">Sculpture of Mozart</lido:descriptiveNoteValue >`
 - In MARC it is applied to
 - "522" "a": Geographic Coverage Note.
 - "525" "a": Supplement Note.
 - "520" "a": Summary, etc.
 - "520" "b": Expansion of summary note.
 - The NER results are stored as RDF triples that enrich the owning records


- Linking to Datasets that provide SPARQL endpoint



- Linking to Datasets that do not provide SPARQL endpoint



Links disambiguation



Ambiguous links (158)

All links (294)

Ambiguous links

Show 100 entries

Search:

Aliada URI	External URI
http://aliada.scanbit.net:8891/id/collections/library/bib/E21_Person/00413d9a-6d92-39f1-ad0e-16fc8b380356	http://rdf.freebase.com/ns/m.0df65
http://aliada.scanbit.net:8891/id/collections/library/bib/E21_Person/00413d9a-6d92-39f1-ad0e-16fc8b380356	http://rdf.freebase.com/ns/en.egon_schiele
http://aliada.scanbit.net:8891/id/collections/library/bib/E21_Person/00413d9a-6d92-39f1-ad0e-16fc8b380356	http://data.nytimes.com/48774520370921546573
http://aliada.scanbit.net:8891/id/collections/library/bib/E21_Person/00413d9a-6d92-39f1-ad0e-16fc8b380356	http://data.nytimes.com/schiele_egon_per
http://aliada.scanbit.net:8891/id/collections/library/bib/E21_Person/1b15cbf2-38bd-39b7-98c1-29e4c8385938	http://rdf.freebase.com/ns/m.01f7v
http://aliada.scanbit.net:8891/id/collections/library/bib/E21_Person/1b15cbf2-38bd-39b7-98c1-29e4c8385938	http://rdf.freebase.com/ns/en.wong_kar_wai
http://aliada.scanbit.net:8891/id/collections/library/bib/E21_Person/1b15cbf2-38bd-39b7-98c1-29e4c8385938	http://data.nytimes.com/29647412799311593983
http://aliada.scanbit.net:8891/id/collections/library/bib/E21_Person/1b15cbf2-38bd-39b7-98c1-29e4c8385938	http://data.nytimes.com/wong_kar_wai_per
http://aliada.scanbit.net:8891/id/collections/library/bib/E21_Person/1d8731c8-7ba7-3c63-a3d4-7375fa04639a	http://rdf.freebase.com/ns/m.058w5
http://aliada.scanbit.net:8891/id/collections/library/bib/E21_Person/1d8731c8-7ba7-3c63-a3d4-7375fa04639a	http://rdf.freebase.com/ns/en.michelangelo
http://aliada.scanbit.net:8891/id/collections/library/bib/E21_Person/1d8731c8-7ba7-3c63-a3d4-7375fa04639a	http://data.nytimes.com/N12046271348993268513
http://aliada.scanbit.net:8891/id/collections/library/bib/E21_Person/1d8731c8-7ba7-3c63-a3d4-7375fa04639a	http://data.nytimes.com/michelangelo_buonarroti_per
http://aliada.scanbit.net:8891/id/collections/library/bib/E21_Person/2e97fc55-7977-3c20-ae82-70d47da96837	http://rdf.freebase.com/ns/m.060_7
http://aliada.scanbit.net:8891/id/collections/library/bib/E21_Person/2e97fc55-7977-3c20-ae82-70d47da96837	http://rdf.freebase.com/ns/en.pablo_picasso
http://aliada.scanbit.net:8891/id/collections/library/bib/E21_Person/2e97fc55-7977-3c20-ae82-70d47da96837	http://data.nytimes.com/N855344257183137093
http://aliada.scanbit.net:8891/id/collections/library/bib/E21_Person/2e97fc55-7977-3c20-ae82-70d47da96837	http://data.nytimes.com/picasso_pablo_per
http://aliada.scanbit.net:8891/id/collections/library/bib/E21_Person/2e97fc55-7977-3c20-ae82-70d47da96837	http://dbpedia.org/resource/Pablo_Picasso
http://aliada.scanbit.net:8891/id/collections/library/bib/E21_Person/2e97fc55-7977-3c20-ae82-70d47da96837	http://dbpedia.org/resource/List_of_Picasso_artworks_1911%E2%80%931920
http://aliada.scanbit.net:8891/id/collections/library/bib/E21_Person/30f1387a-694e-33e6-a7fa-1c1c5957c783	http://rdf.freebase.com/ns/m.03j90
http://aliada.scanbit.net:8891/id/collections/library/bib/E21_Person/30f1387a-694e-33e6-a7fa-1c1c5957c783	http://rdf.freebase.com/ns/en.hans_christian_andersen
http://aliada.scanbit.net:8891/id/collections/library/bib/E21_Person/30f1387a-694e-33e6-a7fa-1c1c5957c783	http://data.nytimes.com/N48129769459947861233
http://aliada.scanbit.net:8891/id/collections/library/bib/E21_Person/30f1387a-694e-33e6-a7fa-1c1c5957c783	http://data.nytimes.com/andersen_hans_christian_per
http://aliada.scanbit.net:8891/id/collections/library/bib/E21_Person/34dbc6d1-41e8-3aff-b7a9-e57b69d73b79	http://data.nytimes.com/52199114612406425293
http://aliada.scanbit.net:8891/id/collections/library/bib/E21_Person/34dbc6d1-41e8-3aff-b7a9-e57b69d73b79	http://data.nytimes.com/viola_bill_per
http://aliada.scanbit.net:8891/id/collections/library/bib/E21_Person/34dbc6d1-41e8-3aff-b7a9-e57b69d73b79	http://rdf.freebase.com/ns/m.09lh9
http://aliada.scanbit.net:8891/id/collections/library/bib/E21_Person/34dbc6d1-41e8-3aff-b7a9-e57b69d73b79	http://rdf.freebase.com/ns/en.bill_viola

- **Advanced URI de-referencing**

URI regulation : <http://www.w3.org/TR/cooluris/>

- Be on the web
 - Machines and people should be able to retrieve a description about the resource identified by the URI from the Web.
 - Machines should get RDF data and humans should get a readable representation, such as HTML
- Cool URIs
 - Simplicity: Short and mnemonic
 - Stability: Does not change as long as possible
 - Managabilty: Keep all URIs in a dedicated subdomain

- URI name convention of ALIADA: URI structure

{domain}/{type}/{concept}/{class}/{reference}.{format}


kohacon17

data.szepmuveszeti.hu/id/collections/museum/E18_Physical_Thing/szepmuveszeti.hu_object_29

- **URI name convention of ALIADA: URI structure**

Extension	Media type	Common name
.html	text/html	HTML
.json	application/rdf+json	JSON
.jsonld	application/ld+json	JSON-LD
.nt	text/plain	N-Triples
.opac	OPAC of the institution (if restful)	OPAC
.rdf	application/rdf+xml	RDF/XML
.ttl	text/rdf+n3	N3/Turtle

- Dataset Default Web Page created by ALIADA



Aliada dataset

description	Open linked data from the Library and Museum of ARTIUM
publisher	ARTIUM
source	http://biblioteca.artium.org
created	2015-10-05
contributor	Aliada Consortium
license	http://creativecommons.org/publicdomain/zero/1.0/
SPARQL endpoint	http://aliada.scanbit.net:8891/sparql
vocabulary	http://aliada-project.eu/2014/aliada-ontology#
number of triples	11566
list of resources	http://aliada.scanbit.net:8891/doc/collections
subsets	Library Bibliographic data: http://aliada.scanbit.net:8891/doc/collections/library/bib Library Authority data: http://aliada.scanbit.net:8891/doc/collections/library/auth Museum data: http://aliada.scanbit.net:8891/doc/collections/museum DC data: http://aliada.scanbit.net:8891/doc/collections/dc

- Publication in CKAN Datahub

Organizaciones / ARTIUM / aliada-scanbit-net

aliada-scanbit-net

Seguidores
0

Seguir

Organización

Artium
Basque Museum-Center of Contemporary Art [leer más](#)

Social

Google+

Twitter

Facebook

Licencia

Creative Commons CCZero










OPEN DATA

Conjunto de datos Flujo de Actividad Relacionados Editar

aliada-scanbit-net

Open linked data from the Library and Museum of ARTIUM

Datos y Recursos

	Sparql Endpoint SPARQL endpoint for aliada-scanbit-net dataset	Más información Ir al recurso
	Dataset dump of Library Bibliographic data in ... Dataset dump in N-Triples format.	Más información Ir al recurso
	Dataset dump of links to external datasets of ... Dataset dump in N-Triples format.	Más información Ir al recurso
	aliadascanbitnet8891.ttl Void file describing the main features of the aliada-scanbit-net	Más información Ir al recurso
	Example resource of LIDO Example resource of LIDO in RDF/XML format	Más información Ir al recurso
	Example resource of DC Example resource of DC in RDF/XML format	Más información Ir al recurso
	Example resource of MARC BIB Example resource of MARC BIB in RDF/XML format	Más información Ir al recurso
	Example resource of MARC AUTH Example resource of MARC AUTH in RDF/XML format	Más información Ir al recurso
	RDF Schema RDF Schema	Más información Ir al recurso

format-foaf format-frbroo format-owl format-owltime format-skos
format-wgs4 license-metadata lod no-proprietary-vocab no-vocab-mappings
provenance-metadata publications published-by-producer

Información Adicional

Campo	Valor
Fuente	http://biblioteca.artium.org
Autor	Aliada Consortium
Versión	Tue Oct 27 17:53:11 CET 2015
Estado	active

RESTful API



AMICUS LibriSuite 2.2.8.2 interface showing search results for "AW malagon". The interface includes a navigation bar with tabs: Cataloguing, Circulation, Acquisitions, Products, Administration, Aliada, and Logout. The left sidebar contains links for Authority, Bibliographic, Search, Create new record, Bibliographic Models, Register book, Serials, Active queries, Reports, and Help. The main content area displays search results for "AW malagon" with a list of 5 results. The first result is selected, showing details for "iCabreao! : se rien por encima de nuestras posibilidades / Malagón". The details include the leader, record number, name, titles, notes, physical description, and publisher.

Search results (Bibliographic)

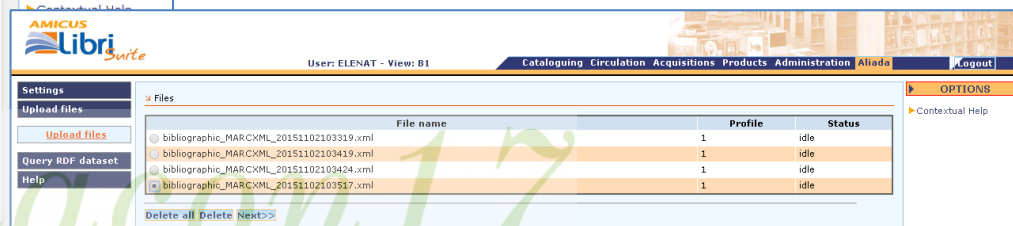
AW malagon

show 10 results Sort by Visualization Labelled Brief

1 - 5 / 5

1 / 5

Leader: 01540nam a2200301 4500
Record Number: 000000145395
Name: Malagón
Titles: iCabreao! : se rien por encima de nuestras posibilidades / Malagón
Notes: Exposición novela gráfica
La mejor forma de sobrellevar la crisis es riéndose de ella. En este libro, el conocido humorista gráfico Malagón nos propone un viaje por los mercados, los baños, la sanidad, los indignados, la casta política y los recortes, en el que retrata con sorna todo lo que al final nos cabrea de esta crisis. Y es que el cabreo puede ser el motor del cambio. Abandonemos nuestro acomodado enfado frente a la televisión y pasemos al siguiente estado de ánimo, un creciente y cada vez más generalizado cabreo ante la realidad que, debido a algunos, tenemos muchos. (Fuente: Planeta de Libros)
BCD4
Physical description: 134 p. : il. ; 20 cm
Publisher: Barcelona : Grupo Planeta, 2013

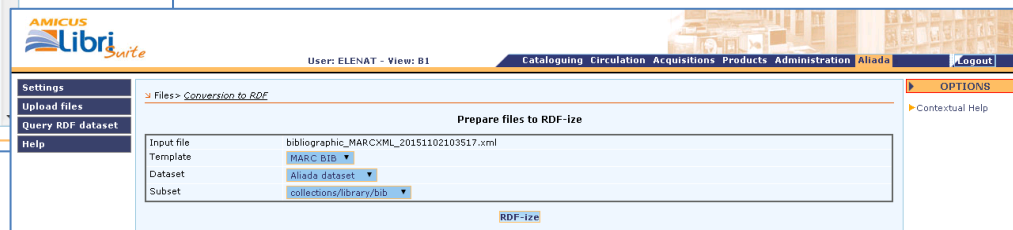


AMICUS LibriSuite 2.2.8.2 interface showing the "Files" section. The interface includes a navigation bar with tabs: Cataloguing, Circulation, Acquisitions, Products, Administration, Aliada, and Logout. The left sidebar contains links for Settings, Upload files, Query RDF dataset, and Help. The main content area displays a table of files with columns: File name, Profile, and Status. The table lists four files, all with a profile of 1 and a status of idle.

Files

File name	Profile	Status
bibliographic_MARCXML_20151102103319.xml	1	idle
bibliographic_MARCXML_20151102103419.xml	1	idle
bibliographic_MARCXML_20151102103424.xml	1	idle
bibliographic_MARCXML_20151102103517.xml	1	idle

Delete all Delete Next>>



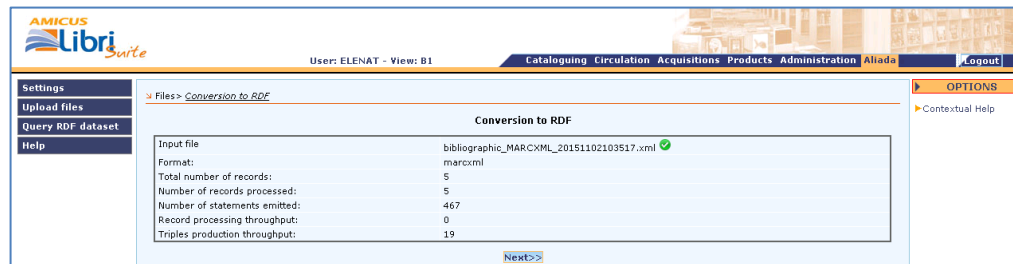
AMICUS LibriSuite 2.2.8.2 interface showing the "Conversion to RDF" section. The interface includes a navigation bar with tabs: Cataloguing, Circulation, Acquisitions, Products, Administration, Aliada, and Logout. The left sidebar contains links for Settings, Upload files, Query RDF dataset, and Help. The main content area displays a form for preparing files to be converted to RDF. The form includes fields for Input file, Template, Dataset, and Subset. The Input file field is populated with "bibliographic_MARCXML_20151102103517.xml". The Template field is set to "MARC BIB". The Dataset field is set to "Aliada dataset". The Subset field is set to "collections/library/bib".

Files > Conversion to RDF

Prepare files to RDF-ize

Input file: bibliographic_MARCXML_20151102103517.xml
Template: MARC BIB
Dataset: Aliada dataset
Subset: collections/library/bib

RDF-ize



AMICUS LibriSuite 2.2.8.2 interface showing the "Conversion to RDF" section. The interface includes a navigation bar with tabs: Cataloguing, Circulation, Acquisitions, Products, Administration, Aliada, and Logout. The left sidebar contains links for Settings, Upload files, Query RDF dataset, and Help. The main content area displays a table showing the conversion statistics for the file "bibliographic_MARCXML_20151102103517.xml". The table includes columns for Format, Total number of records, Number of records processed, Number of statements emitted, Record processing throughput, and Triples production throughput.

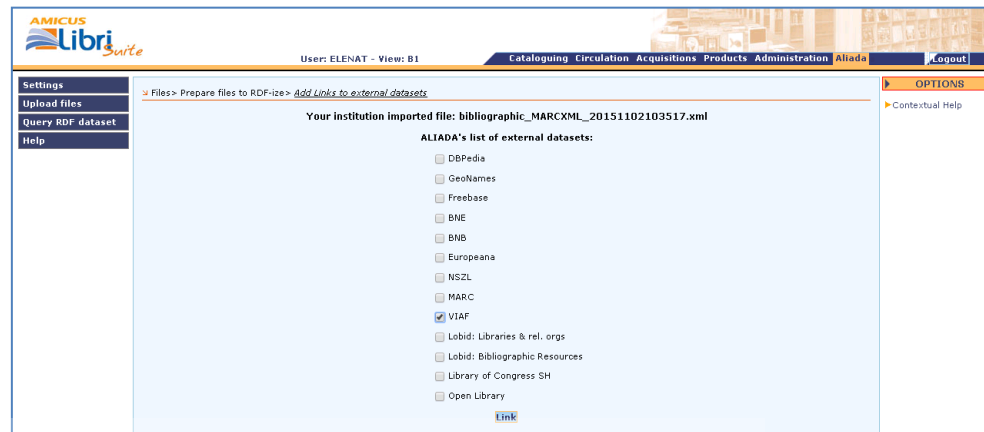
Files > Conversion to RDF

Conversion to RDF

Field	Value
Input file	bibliographic_MARCXML_20151102103517.xml
Format	marcxml
Total number of records	5
Number of records processed	5
Number of statements emitted	467
Record processing throughput	0
Triples production throughput	19

Next>>

RESTful API



AMICUS Libris Suite

User: ELENAT - View: B1

Cataloguing Circulation Acquisitions Products Administration Aliada Logout

Settings Upload files Query RDF dataset Help

Files> Prepare files to RDF-ize> [Add Links to external datasets](#)

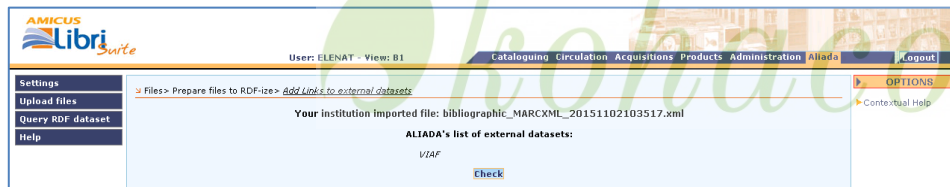
OPTIONS Contextual Help

Your institution imported file: bibliographic_MARCXML_20151102103517.xml

ALIADA's list of external datasets:

- ☐ DBPedia
- ☐ GeoNames
- ☐ Freebase
- ☐ BNE
- ☐ BNB
- ☐ Europeana
- ☐ NSZL
- ☐ MARC
- ☒ VIAF
- ☐ Lobid: Libraries & rel. orgs
- ☐ Lobid: Bibliographic Resources
- ☐ Library of Congress SH
- ☐ Open Library

[Link](#)



AMICUS Libris Suite

User: ELENAT - View: B1

Cataloguing Circulation Acquisitions Products Administration Aliada Logout

Settings Upload files Query RDF dataset Help

Files> Prepare files to RDF-ize> [Add Links to external datasets](#)

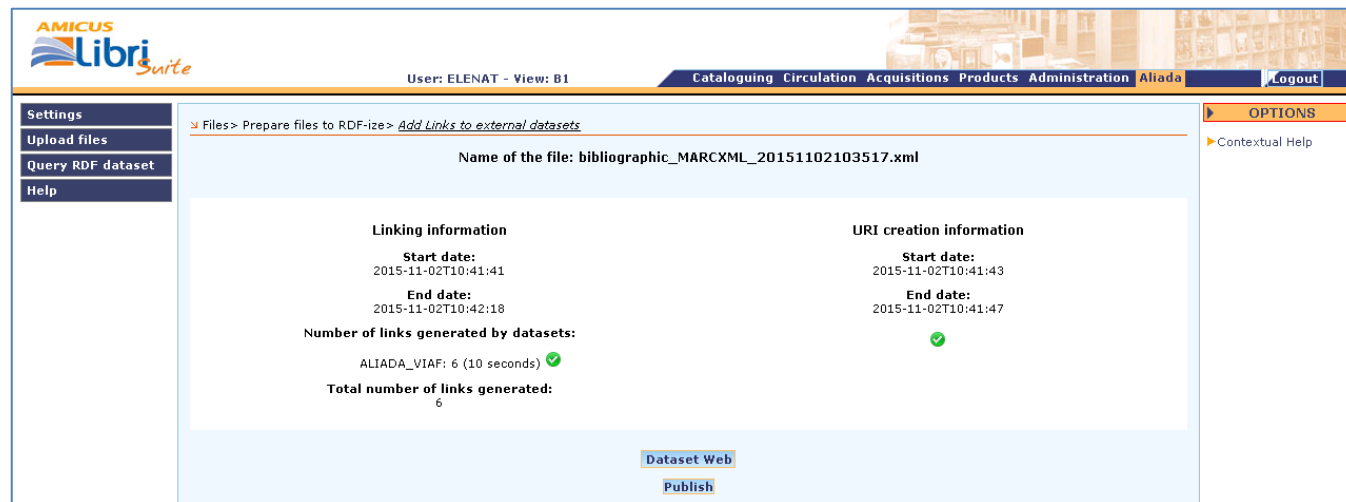
OPTIONS Contextual Help

Your institution imported file: bibliographic_MARCXML_20151102103517.xml

ALIADA's list of external datasets:

- ☐ DBPedia
- ☐ GeoNames
- ☐ Freebase
- ☐ BNE
- ☐ BNB
- ☐ Europeana
- ☐ NSZL
- ☐ MARC
- ☒ VIAF
- ☐ Lobid: Libraries & rel. orgs
- ☐ Lobid: Bibliographic Resources
- ☐ Library of Congress SH
- ☐ Open Library

[Check](#)



AMICUS Libris Suite

User: ELENAT - View: B1

Cataloguing Circulation Acquisitions Products Administration Aliada Logout

Settings Upload files Query RDF dataset Help

Files> Prepare files to RDF-ize> [Add Links to external datasets](#)

OPTIONS Contextual Help

Name of the file: bibliographic_MARCXML_20151102103517.xml

Linking information

Start date: 2015-11-02T10:41:41

End date: 2015-11-02T10:42:18

URI creation information

Start date: 2015-11-02T10:41:43

End date: 2015-11-02T10:41:47

Number of links generated by datasets:

ALIADA_VIAF: 6 (10 seconds) ✓

Total number of links generated: 6

[Dataset Web](#)

[Publish](#)

*New KOHA Linked Data Module based on
ALIADA open source Library Linked Data
Publisher?*





The screenshot shows the ALIADA website interface. At the top, there is a navigation bar with links: Home, About, Publications, Community, Download, News, Contact, Member Area, and FAQ. Below this is a dark header for 'datahub' with a search bar and links for Datasets, Organizations, About, Blog, and Help. The main content area features a 'Publish your library and museum data in the Linking Open Data Cloud using ALIADA' banner. A sidebar on the left shows a 'Linking Open Data Cloud' group with a description and a list of datasets. The main content area displays '212 datasets found' and a search bar. Below the banner, there is a section titled 'ALIADA: Automatic publication under Linked Data Paradigm of Library Data' with a description of the project. On the right, there is a 'Get Involved' section with a login form (Username, Password) and a 'Create new account' link.

ALIADA: Automatic publication under Linked Data Paradigm of Library Data

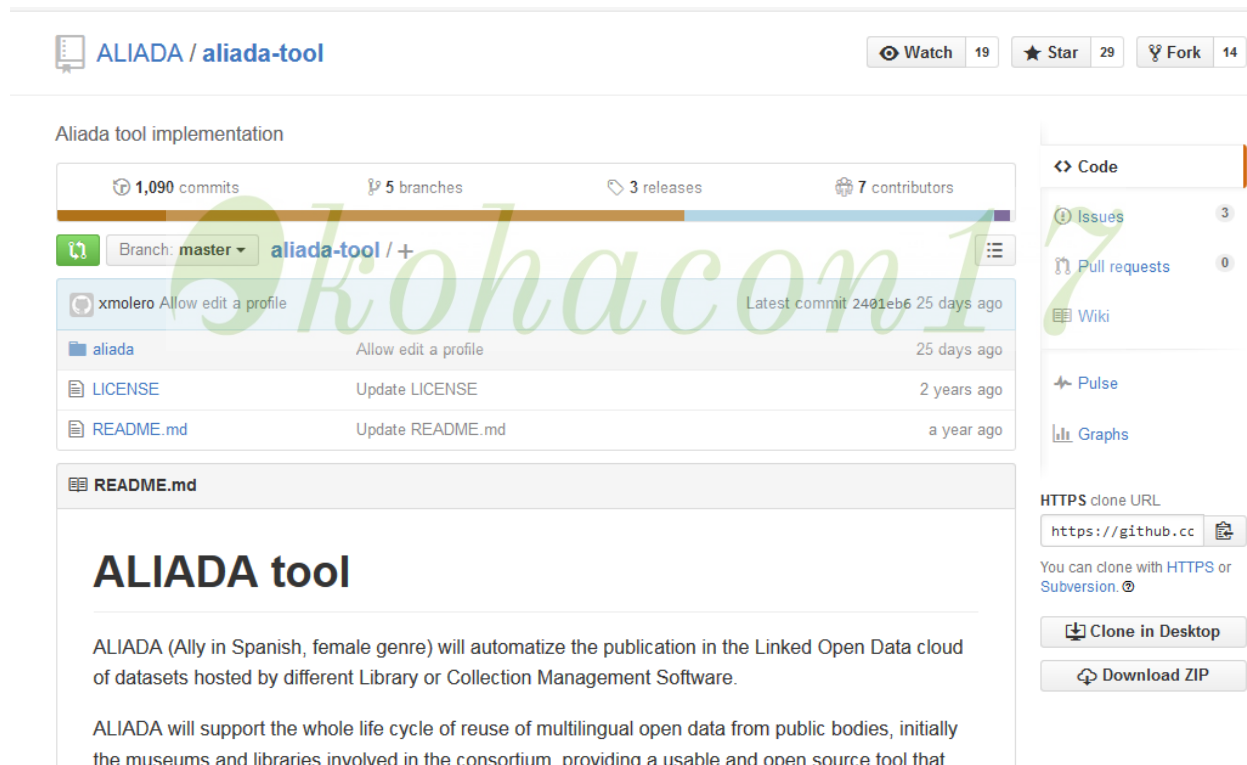
ALIADA (ally in Spanish, female genre) will automatize the publication in the Linked Open Data cloud of datasets hosted by different Library or Collection Management Software.

ALIADA will support the whole life cycle of reuse of multilingual open data from public bodies, initially the museums and libraries involved in the consortium, providing a usable and open source tool that automatize the selection, publication and linking of datasets in the Linked Data Cloud by the ALIADA users: IT staff, documentalist, curators and librarians in institutions that own datasets managed by library and/or museum management software.

ALIADA will be an open source plugin for the library or collection management software. initially for the ones developed

<http://www.aliada-project.eu/>

The source code of the second release has been uploaded to the GitHub's ALIADA repository and the technical documentation, the user manual and the wiki have also been updated.



ALIADA / aliada-tool

Watch 19 Star 29 Fork 14

Aliada tool implementation

1,090 commits 5 branches 3 releases 7 contributors

Branch: master aliada-tool / +

File	Commit	Time
aliada	Allow edit a profile	25 days ago
LICENSE	Update LICENSE	2 years ago
README.md	Update README.md	a year ago

Latest commit 2401eb6 25 days ago

xmolero Allow edit a profile

ALIADA tool

ALIADA (Ally in Spanish, female genre) will automatize the publication in the Linked Open Data cloud of datasets hosted by different Library or Collection Management Software.

ALIADA will support the whole life cycle of reuse of multilingual open data from public bodies, initially the museums and libraries involved in the consortium. providing a usable and open source tool that

Code Issues 3 Pull requests 0 Wiki

Pulse

Graphs

HTTPS clone URL

<https://github.cc>

You can clone with HTTPS or Subversion.

Clone in Desktop

Download ZIP

<https://github.com/ALIADA/aliada-tool/>

What's next?

- *Add BIBFRAME*
- *Add schema.org*
- *Customize the RDF Conversion mapping*
- *Data Quality Assurance*
- *User interface for searching datasets*
- *...*

<https://github.com/ALIADA/aliada-tool/>

**THANK YOU
FOR
YOUR
ATTENTION!
ANY QUESTIONS?**

www.scanbit.net

