

# Documentation of Scientific Research in the Humanities and Social Sciences

## The European projects SeaLiT, RICONTRANS and ReKnow

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# Outline

- The project '**SeaLiT**'
- The project '**RICONTRANS**'
- The project '**ReKnow**'



- *What is the research focus?*
- *What are the data management requirements?*
- *What are the related challenges?*
- *What are the offered solutions?*

# The project 'SeaLiT'



Seafaring Lives in Transition



This project is funded by  
the European Union



European  
Research  
Council

- ❑ SeaLiT – Seafaring Lives in Transition. Mediterranean Maritime Labour and Shipping during Globalization, 1850s-1920s
  - ERC starting grant (**Feb 2017–Jan 2022**, Grant agreement ID: 714437)
- ❑ Field: **Maritime History**
- ❑ Principal Investigator: **Dr. Apostolos Delis**
  - Centre for Maritime History, **Institute of Mediterranean Studies** – FORTH
- ❑ Partners
  - T.I.G. / University of Barcelona (**Spain**)
  - NAVLAB / University of Genoa (**Italy**)
  - UMR TELEMME / University Aix-Marseille (**France**)
  - Department of History / University of Zadar (**Croatia**)
  - **Centre for Cultural Informatics / Institute of Computer Science – FORTH**




Seafaring Lives in Transition

# SeaLiT – The research focus

- ❑ The transition from sail to steam navigation and its effects on seafaring populations in the Mediterranean and the Black Sea between the 1850s and the 1920s
- ❑ The effects of technological innovation on seafaring people and maritime communities, whose lives were drastically altered by the advent of steam
- ❑ The maritime labour market, the evolving relations among shipowners, captains, crew and their local societies, life on board and ashore
- ❑ Maritime regions of investigation:
  - Barcelona and the Spanish Levant coasts
  - Marseille and the Provençal ports
  - Genoa and the Ligurian littoral communities
  - Trieste and the Dalmatian coasts
  - Ionian and Aegean islands
  - Odessa and the Crimean ports

# SeaLiT – The data

- ❑ Crew lists
- ❑ Ship logbooks
- ❑ Payrolls
- ❑ Sailors / student registers
- ❑ Ship registers
- ❑ Employment records
- ❑ Account books
- ❑ Census data
- ❑ ...

- 
- *Handwritten!*
  - *In different languages!*
  - *From different issuing authorities!*

# SeaLiT – The data management requirements

## ❑ Data transcription / digitization

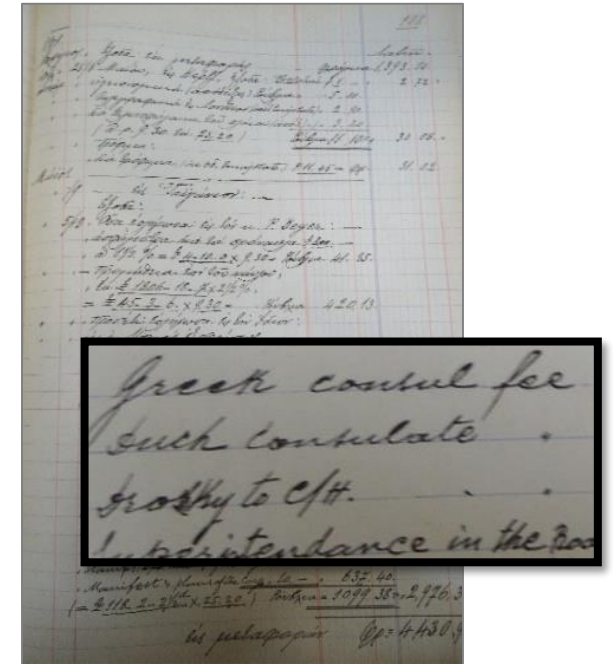
- Faithful transcription of the original sources
- Handling uncertainty: Anto[nio] Pon?a C??tes

## ❑ Data consolidation

- Correction, matching, normalization, enrichment, integration, ...
  - ❖ Important: preservation of provenance information

## ❑ Data analysis and exploration

- Quantitatively (statistical) analysis of collective social phenomena for drawing conclusions on possible impact factors
- Finding answers to complex information needs that require combining information from different sources
- Visualization of results in different forms (tables, charts, timelines, graphs, maps, ...)



# SeaLiT – The (main) challenges

## □ Data transcription / digitization

- *How to transcribe as much relevant information as possible and as **exact** and **fast** as possible?*
  - ❖ **Aim:** creation of a valuable digital resource of data for current and future research!

## □ Data consolidation

- *How to curate and integrate the digitized information of the different data sources, keeping always track where the information comes from?*
  - ❖ **Aim:** transform the data into a single, curated, integrated, and provenance-aware data source that can be analyzed and queried efficiently and effectively!

## □ Data analysis and exploration

- *How to provide users with a user friendly interface that helps them get the information they are searching for easily and in different forms (for direct use in their research)?*
  - ❖ **Aim:** usability + trustworthiness!



# SeaLiT – Secondary challenges

## □ Handling ambiguities in the **identity** of an entity

### ➤ **Entities in SeaLiT:** PERSONS, LOCATIONS, LEGAN ENTITIES, SHIPS

### ➤ A multi-step process:

❖ Step 1: C?ios → Chios (*text to name in a specific language*)

❖ Step 2: Chios → Chios, the Greek island (*name to entity*)

❖ Step 3: Chios, the Greek island → 38°21'48.8"N 26°07'15.0"E (*entity to property*)

➔ **Related problem:** *the location might refer to an old map*

### ➤ How to support a multi-level **instance matching** process that combines **automation** and **manual intervention**?

- within the same document
- across related documents
- across independent documents

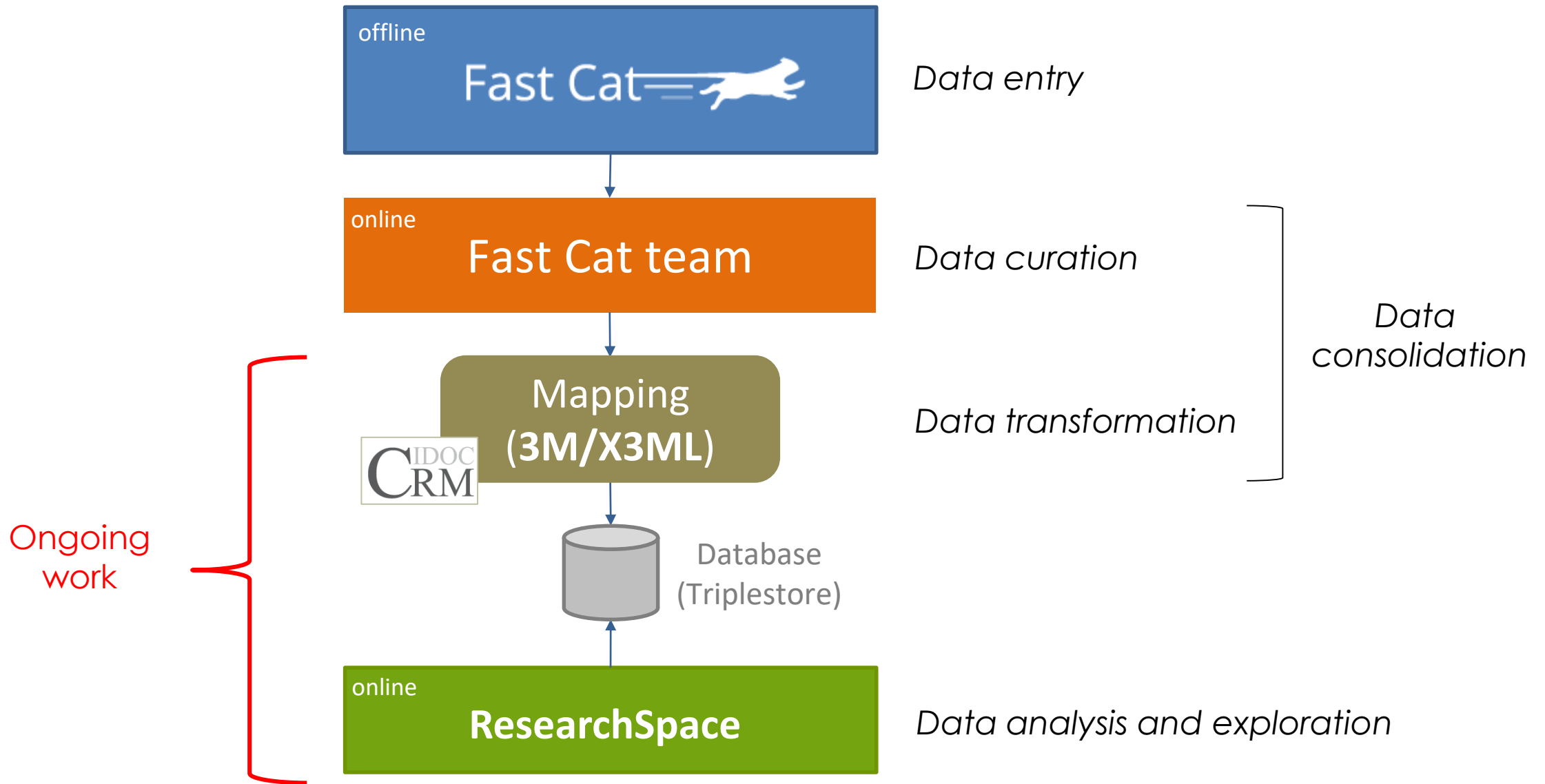


*Each time with different default assumptions and background knowledge*

# SeaLiT – Secondary challenges

- Handling multilinguality and vocabularies (thesauri of terms)
  - Data in different languages
  - The same term can be written in different ways even in the same language
  
- Organizational-related
  - Research teams spread across Europe
    - ❖ Need for a common place for storing data, sharing it internally, and releasing on demand (parts of it) to a wider audience
  - Inconsistent access to internet during research activity

# SeaLiT – The tools



# SeaLiT – FastCat

## □ Management of **templates**

- A template represents the structure of a data source

The screenshot shows the FastCat web application interface. The top navigation bar includes the Fast Cat logo and a menu icon. The left sidebar contains navigation options: Templates, My records, Settings, and Help. The main content area is titled 'TEMPLATES' and features a search bar and a 'Show 50 entries' dropdown. Below this is a table with the following columns: Template Title, Related Categories, Related Organization, and Source Language. Each column has a corresponding filter input field. The first row of the table, 'Accounts book', is highlighted with a red border. The table also includes a settings icon (gear) for each row.

Template Title	Related Categories	Related Organization	Source Language	
Filter	Filter	Filter	Filter	
Accounts book	Accounts book	FORTH/IMS	Greek	⚙️
Census La Ciotat	List of persons	FORTH/IMS	French	⚙️
Civil Register	List of Persons	University of Barcelona	Spanish(Castilian)	⚙️
Crew and displacement list (Roll)	Crew List, List of ports of call	University of Barcelona	Spanish(Castilian)	⚙️

# SeaLiT – FastCat

## □ Management of **templates**

- A template organises the data in **tables** (with advanced capabilities like nesting or selection of term from a vocabulary)
- Fast data entry, easy detection of errors!

### Census La Ciotat, 1911, Popi Vasilaki

Status: Status:  

#### FastCat Record Information

Use english to fill in the fields of this table

Date			Authors		
Id	Creation date	Last Modified	Name *	Surname *	Role
10	2018-11-30	2020-05-05T16:25:07	Popi	Vasilaki	PhD student

#### Source Identity

Use the source language to fill in the fields of this table

Archive			
Name	Location	Series	Origin
Archives Municipales de la Ciotat	La Ciotat	Recensement de la population	Liste nominative des habitants




### Residencies Registry

Use the source language to fill in the fields of this table

	Source Pages	Address	House Number	Nominative list of Occupants	Note
1	85	Grande (rue)	1	Nested table	
2	85	Grande (rue)	2	Nested table	
3	85-86	Grande (rue)	3	Nested table	
4	86	Grande (rue)	4	Nested table	
5	86	Grande (rue)	5	Nested table	
6	86	Grande (rue)	6	Nested table	
7	86-87	Grande (rue)	7	Nested table	
8	87	Grande (rue)	8	Nested table	

# SeaLiT – FastCat

- Management of **records**
  - Each record belongs to a specific template

**Fast Cat**   

**Crew List (Ruoli di Equipaggio), Nostra Signora di Montenero, 1853-08-31, Massimo Ponasso**

**FastCat Record Information**

Use english to fill in the fields of this table

Id	Date		Authors		
	Creation date	Last Modified	Name *	Surname *	Role
16	2018-12-18	2019-09-05T14:39:47	Massimo	Ponasso	

**Source Identity**

Use the source language to fill in the fields of this table

Archive / Library			Document		Issuing Authority			Fond		File				
Name	Location	Register Number	Number	From *	To	Name	Location	Source Type Name	Number	Title	Series Number	Number	Title	Note
Archivio di Stato di Genova	Genova	13	4147	1853-08-31										

**Ship Identity**

Use the source language to fill in the fields of this table

Ship name *	Ship type	Tonnage	Construction	
			Location	Date (year)
Nostra Signora di Montenero	Bombarda	88,76	Varazze	1831

**Crew List**

Use the source language to fill in the fields of this table

	Embarkation		Discharge		Surname	Name	Citizenship	Location of Residence	Date of Birth	Serial Number
	Port	Date	Port	Date						
2	Genova	1853-07-06	Genova	1854-01-20	Castagniola	Fortunato		Camogli	1811	3740
3	Genova	1853-07-06	Genova	1854-01-20	Schiaffino	Fortunato		Camogli	1807	1109
4	Genova	1853-07-06	Genova	1853-10-14	Figari	Fortunato		Camogli	1811	355
5	Genova	1853-07-06	Genova	1853-10-14	Cimiglia	Antonio		Sanremo	1833	1043

# SeaLiT – FastCat team

- Management of **entities** and vocabularies
  - Correction, change in values, instance matching, ...

The screenshot shows the FastCat team web application interface. The left sidebar contains navigation options: All Records, My Records, Vocabularies, Instances, Legal Entities, Locations, Persons, Ships, Download Fast Cat, Settings, and Help. The main content area is titled 'PERSONS' and displays a table of records. The table has columns for Name, Surname A, Surname B, Maiden name, Fathers name, Place of Birth, Date of Birth, Date of Death, Registration number, and Status|Capacity|Role. A 'Mark as same' dialog box is open, showing fields for Name (with radio buttons for 'abel jacques' and an empty field) and Surname A (with radio buttons for 'CAMANO' and an empty field). There are also fields for Date of Death (with radio buttons for '1866' and an empty field). The dialog box has 'Save changes' and 'Cancel' buttons. A footer note states: '\*If you want to correct those terms click on the link.'

	Name	Surname A	Surname B	Maiden name	Fathers name	Place of Birth	Date of Birth	Date of Death	Registration number	Status Capacity Role
<input type="checkbox"/>	Abdon	Grau	Guardiola							
<input type="checkbox"/>	Abdon	Jimenez								
<input type="checkbox"/>	Abdon	Lloria								
<input type="checkbox"/>	Abdon	SAGELOLY								
<input type="checkbox"/>	abdon félicien	BONIFAY								
<input type="checkbox"/>	abel	BERNARD								

# SeaLiT – FastCat team

- Management of entities and **vocabularies**
  - Adding preferred terms, setting the broader terms (creation of term hierarchies)

**Fast Cat team** Apostolo

**VOCABULARIES** ?

**Vocabularies** (highlighted)

Vocabulary Title	Source Language	Used in
Ship	Filter	Filter
Course of ship	≈ 620 Greek	Logbook
Part of Ship	≈ 139 Greek	Logbook
Ship type	≈ 66 Greek, Spanish(Castilian), Italian, Russian	Account, Logbook, Payroll, Crew and General, Naval S

**VOCABULARIES > Ship type**

Show terms used in template type: All and record: All

[Export to Excel](#)

	Original Source Term	Preferred Term (English)	Broader Term
i	Brick Scooner	Brick Schooner	
i	Brickscooner	Brick Schooner	
i	brig a palo	Barque	
i	Brigantino	Brig	
i	Brigantino a palo	Barque	



# SeaLiT – 3M / X3ML

## □ Data transformation

- Management of mappings to the target model (**CIDOC-CRM**)
- Creation of a semantic graph (**Linked Data**)

The screenshot shows the 3M Mapping Memory Manager web application. The header includes the 3M logo and the text "Mapping Memory Manager". The user is logged in as "Kritsotaki Athina". The main content area displays a list of mappings. The current view shows 1 entry, filtered from 1,225 total entries. The entry is for a "Crew list" mapping.

**3M Mapping Memory Manager**

Mapping Memory Manager

Kritsotaki Athina

Main Menu

Mappings

Sample Mappings

Help

Quick Start Guide

Manual

X3ML Generators Manual

⊕ 👁 📄 More ▾

Search

**Mappings**

Showing: All

Filter Table

Showing 10 ▾ entries

Title	General Description	Creator	Card Status	Last Modified	Id
Crew list	SeaLiT - Crew list Ruoli di Equipaggio	athina	Unpublished	2020-05-06	Mapping/2073

Showing 1 to 1 of 1 entries (filtered of 1,225 entries)

Previous 1 Next

# SeaLiT – 3M / X3ML

## □ Data transformation

- Management of mappings to the target model (**CIDOC-CRM**)
- Creation of a semantic graph (**Linked Data**)

The screenshot shows the SeaLiT 3M Mapping: Crew list interface. The interface includes a navigation bar with tabs: Info, Matching Table (selected), Generators, Analysis, Transformation, Configuration, and About. Below the navigation bar are controls for TOP, BOTTOM, VIEW MODE, and XML. There are also filters for (ALL) SOURCES, (ALL) TARGET PATHS, (ALL) TARGETS, (ALL) IF RULES, (ALL) COMMENTS, and (ALL) MAPS. A note at the bottom right of the filter area says "Click on a row to edit the matching table".

#	SOURCE	TARGET PATH NAME	TARGET	CONSTANT EXPRESSION	IF RULE
1	D <input type="checkbox"/> ./root		<input type="checkbox"/> Ship		exists(..text()/text()) OR exists(..text()/text())
1.1	P <input type="checkbox"/> ↓ ./ship_name		↓ was_constructed_by <input type="checkbox"/> Ship_Construction		
	R <input type="checkbox"/> ./ship_name		↓ under_name <input type="checkbox"/> Ship_Name		
1.2	P <input type="checkbox"/> ↓ ./ship_name		↓ P1_is_identified_by		
	R <input type="checkbox"/> ./ship_name		<input type="checkbox"/> Ship_Name		
1.3	P <input type="checkbox"/> ↓ ./ship_type		↓ P2_has_type		
	R <input type="checkbox"/> ./ship_type		<input type="checkbox"/> E55_Type		
	P <input type="checkbox"/> ↓ ./ship_tonnage		↓ has_tonnage <input type="checkbox"/> Tonnage		

# SeaLiT – ResearchSpace

## □ Data exploration

- Advanced (but also user-friendly) **search** and **browsing**

The image displays three overlapping screenshots of the SeaLiT ResearchSpace interface. The leftmost screenshot shows a search for 'payme' with 103 matches, including a table with columns 'subject', 'first\_name', and 'last\_name'. The middle screenshot shows a search interface with a dropdown menu of categories: Ship, Person, Legal Body, Crew Payment, Place, Voyage, and Document. The rightmost screenshot shows a detailed view of a ship record with a table listing ship details.

**Search Results for 'payme':**

subject	first_name	last_name
Payment to Oneto	Lorenzo	Oneto

**Search Categories:**

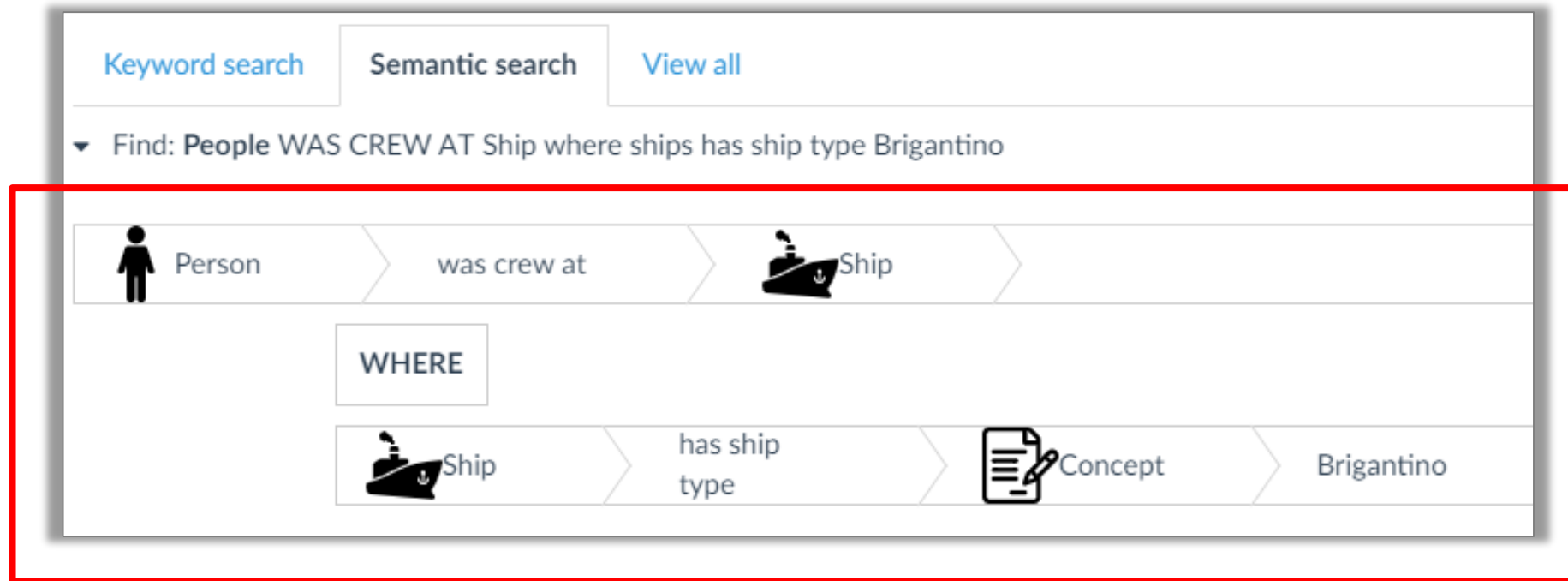
- Ship
- Person
- Legal Body
- Crew Payment
- Place
- Voyage
- Document

**Ship Record Details:**

subject	ship_type	tonnage	regist
Ship Colombo	Brigantino	128	Geno
Ship Nostra Signora di Montenero	Bombarda	88,76	Geno
Ship L' Assunta	Brigantino	96,46	Geno

# SeaLiT – ResearchSpace

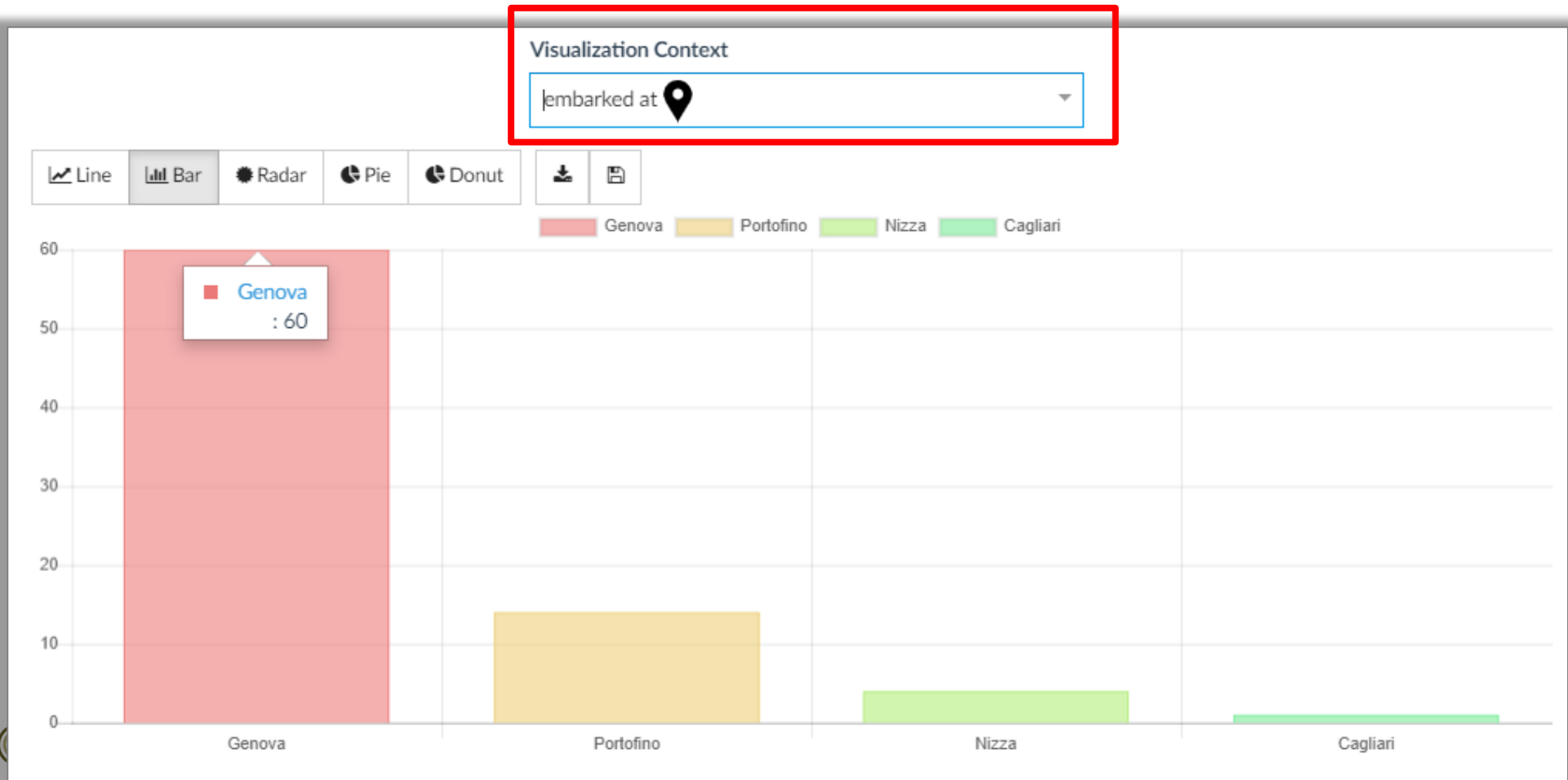
- Data exploration
  - Advanced (but also user-friendly) **search** and **browsing**



# SeaLiT – ResearchSpace

## □ Data exploration

- Support of different ways to **analyze quantitatively** and **visualize** the search results



# SeaLiT – ResearchSpace

## □ Data exploration

- Creation of external applications that utilize the (curated) project data

<http://www.sealitproject.eu/digital-seafaring>

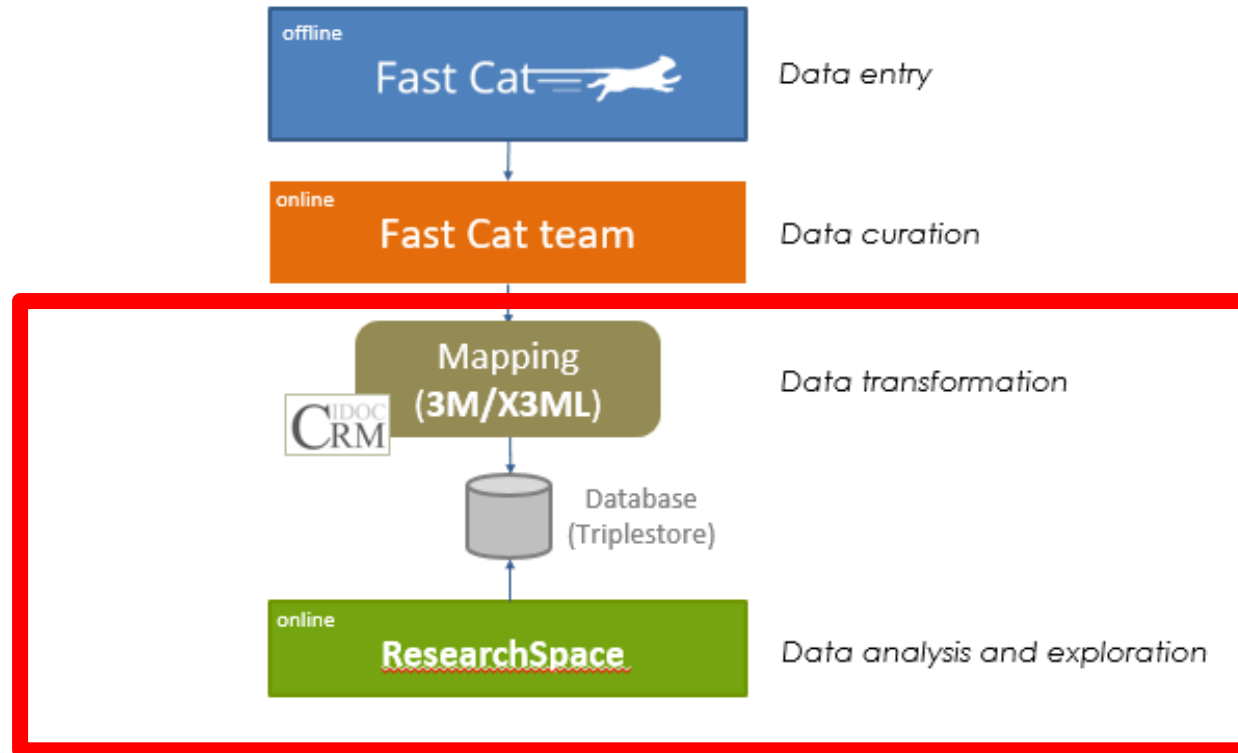
The screenshot displays the SeaLiT digital seafaring interface. On the left, a map of the Mediterranean Sea shows the route of a ship, with icons representing ship operations. A popup window provides detailed information for a specific ship:

- Ship name:** Κωνσταντίνος/Κωνσταντίνος Λεμός
- Ship Type:** Ατμόπλοιο
- Date:** 31/3/1926
- Time:** 12:00:00 pm
- Route:** Odessa-Rotterdam-24/3/1926-14/4/1926
- Weather:** θάλασσα εμετρίασεν άνεμος ηλαττώθη
- [View Source](#)

On the right, a map of Europe and the Mediterranean region shows numerous ship operation icons. A filter menu is open, allowing users to search and filter ship operation services:

- Filter:** Enter keywords
- Check all  Uncheck all **Advanced Search**
- Ship Operation Services**
- Amarantini Brothers (Algiers)
- Cory Brothers and Co Limited (Algiers)
- Emile Fevre (Algiers)
- Pharmacie Anglaise 'Rene Brenta' (Algiers)

# SeaLiT – Current activities



# The project 'RICONTRANS'

# RICONTRANS



This project is funded by  
the European Union



European  
Research  
Council



# RICONTRANS

<https://ricontrans-project.eu/>

- ❑ RICONTRANS – Visual Culture, Piety and Propaganda: Transfer and Reception of Russian Religious Art in the Balkans and the Eastern Mediterranean (16th – early 20th c.)
  - ERC Consolidator Grant (**May 2019 – April 2024**, Grant agreement ID: 818791)
- ❑ Field: **Art History**
- ❑ Principal Investigator: **Yuliana Boycheva**
  - Centre of Art History "El Greco", **Institute of Mediterranean Studies** - FORTH
- ❑ Partners
  - The Benaki Museum (**Greece**)
  - Department of History of Art / University of Belgrade (**Serbia**)
  - National Museum of the Union (**Romania**)
  - Institute of Balkan Studies & Center of Thracology / Bulgarian Academy of Sciences (**Bulgaria**)
  - Research Center "Episteme in Motion" / Free University of Berlin (**Germany**)
  - **Centre for Cultural Informatics / Institute of Computer Science – FORTH**

RICONTRANS

# RICONTRANS – The research focus

- The **Russian religious artefacts** (icons and ecclesiastical furnishings) brought from Russia to the Balkans from the 16<sup>th</sup> until the 20<sup>th</sup> century, preserved in monasteries, churches, and museums
  - What are the paths and the mediums of their transfers as well as the moving factors?
  - What are the aesthetic, ideological, political and social factors that shaped the context of their reception in the various social and cultural environments?
  - What is their influence on the visual culture of the host societies?
  
- Collection of primary and secondary **sources** in large regions of Europe:
  - Greece, Serbia, Bosnia and Herzegovina, Montenegro, Croatia, Kosovo, North Macedonia, Bulgaria, Romania and Russia

# RICONTRANS – The data

- ❑ Information and data about:
  - Art objects (Icons, Triptychs, Crosses, Censers, ...)
  - Object transfers (e.g., transfers of icons from Russia to Greece)
  - Historical figures (Archbishops, Priests, Emperors, Saints, ...)
  - Locations (Cities, Villages, Monasteries, Churches, Museums, ...)
- ❑ Information Sources
  - Archival sources / Oral History Sources
  - Old books / newspapers
  - Periodicals / Reviews
- ❑ Research data and knowledge
  - Researcher comments, research findings, ...
- ❑ Digital files
  - Images, Scans, Documents (PDFs / DOCs), ...

# RICONTRANS – The data management requirements

## □ Database creation –

- Detailed documentation, in a structured way, of all the information and data collected and exploited in the project
  - ❖ *information about art objects, object transfers, information sources, source passages, ...*

## □ Data exploration

- Browsing
- Advanced searching
  - ❖ *“Show me the routes of objects transferred to Mount Athos before the 16th century”*
  - ❖ *“Show me source passages that talk about icon donations from Russia to monasteries in Meteora”*
- Map visualization (routes of object transfers, ...)

# RICONTRANS – The challenges

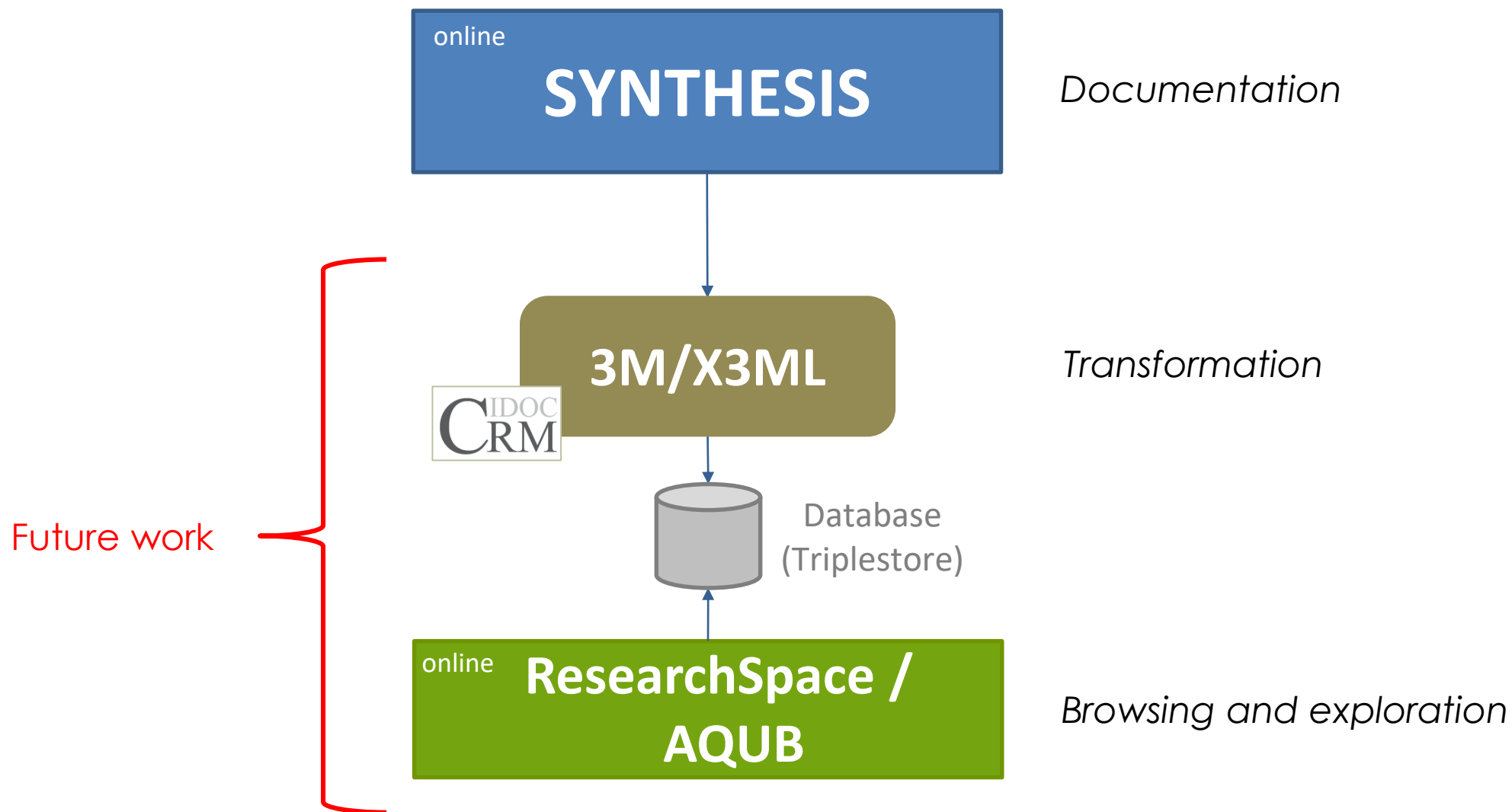
## □ Database creation

- How to enable **collaborative** data entry and data curation?
- How to balance between **documentation richness** and **database usability**?
- How to “control” the data entry process for enabling **semantic interoperability**?
  - ❖ **Aim**: create a valuable resource for (current and future) research!

## □ Data exploration

- How to provide users with intuitive interfaces that help them get the information they are searching for easily and in a straightforward way?
  - ❖ **Aim**: usability

# RICONTRANS – The tools



# RICONTRANS – Synthesis

- Documentation of cultural artefacts and scientific knowledge

VISUAL CULTURE, PIETY AND PROPAGANDA: TRANSFER AND RECEPTION OF RUSSIAN RELIGIOUS ART IN THE BALKANS AND THE EASTERN MEDITERRANEAN (16TH – EARLY 20TH C.)

Διαχειριστής Admin

Synthesis Cultural Information Management System

Objects and Transfers

- Objects
- Object Transfers
- Routes

Sources

- Archival Sources
- Books
- Newspapers and Periodicals/Reviews
- Oral History Sources

Passages and Comments

- Source Passages
- Collection of Source Passages
- Researcher Comments

Related Documentation

- Historical Figures
- Collections
- Events

More

Search

Objects

Showing: All

Filter Table

Showing 10 entries

	Main Current Name	Category	Archive	Creator	Card Status	Id
<input type="checkbox"/>	Icon of the Twelve Great Feasts	objects in museum collections (for display / exhibit purposes)		maltezak	unpublished	Object/100
<input type="checkbox"/>	Gospel of the greek community of Kallipoli with russian gilt silver cover	objects in museum collections (for display / exhibit purposes)		spetridis	unpublished	Object/101
<input type="checkbox"/>	Military Saints on horseback	objects in museum collections (for display / exhibit purposes)		maltezak	unpublished	Object/102
<input type="checkbox"/>	Triptych depicting the Hospitality of Abraham, the Last Supper, the Marriage at Cana and the Twelve Great	objects in museum collections (for display / exhibit purposes)		spetridis	unpublished	Object/103

# RICONTRANS – Synthesis

- Documentation of cultural artefacts and scientific knowledge

The screenshot displays the RICONTRANS web application interface. The main header includes the RICONTRANS logo and the title "VISUAL CULTURE, PIETY AND PROPAGANDA: TRANSFER AND RECEPTION OF RUSSIAN RELIGIOUS ART IN THE AND THE EASTERN MEDITERRAN (16TH – EARLY 20TH C.)". The left sidebar contains navigation menus for "Objects and Transfers", "Sources", "Passages and Comments", and "Related Documentation". The main content area shows a list of objects with a "More" button circled in red. The first object, "Icon of the Twelve Great Feasts", has a checkbox also circled in red. An inset window titled "FeXML" shows the detailed data entry for this object, with the text "Data entry" written in red. The FeXML data includes fields such as "RICONTRANS Project Code Number", "Other Code / Identifier", "Originator of Reference", "Collection", "Object Category", "Official Object Name/Title", "Creation/Production Date", "General Subject", "Basic material(s)", and "Basic colour(s)".

FeXML - Google Chrome  
isl.ics.forth.gr/FeXML\_ricontrans/Index?type=Objects&action=view&lang=en&id=O...

FeXML  
Record: Object/100

Object

- Object Identity
  - RICONTRANS Project Code Number
  - Other Code / Identifier
    - Value: 229/75
    - Category: Museum collection inventory number
  - Originator of Reference: .../Organization/146, Byzantine museum Kastoria
  - Collection: .../Collection/4, Byzantine Museum of Kastoria
  - Object Category: objects in museum collections (for display / exhibit purposes)
  - Official Object Name/Title: Icon of the Twelve Great Feasts
  - Creation/Production Date
  - General Subject: Twelve Great Feasts
  - Basic material(s): wood
  - Basic colour(s): ochre
  - Basic colour(s)[2]

Data entry



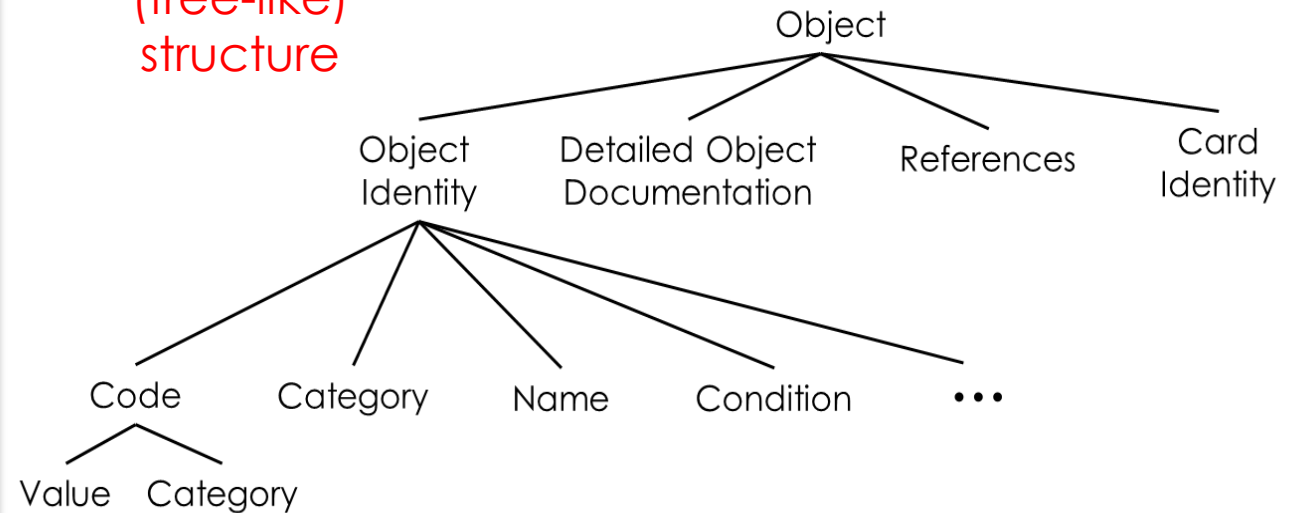
# RICONTRANS – Synthesis

- Documentation of cultural artefacts and scientific knowledge

The screenshot shows a web-based data entry form titled "FeXML" for "Record: Object/100". The form is structured hierarchically, starting with "Object" and "Object Identity". Under "Object Identity", there are several fields: "RICONTRANS Project Code Number", "Other Code / Identifier" (with a "Value" field containing "229/75" and a "Category" field containing "Museum collection inventory number"), "Originator of Reference" (containing ".../Organization/146, Byzantine museum Kastoria"), "Collection" (containing ".../Collection/4, Byzantine Museum of Kastoria"), "Object Category" (containing "objects in museum collections (for display / exhibit purposes)"), "Official Object Name/Title" (containing "Icon of the Twelve Great Feasts"), "Creation/Production Date", "General Subject" (containing "Twelve Great Feasts"), and "Basic material(s)" (containing "wood").

Data entry form

Hierarchical  
(tree-like)  
structure



**Carefully-designed schemas for compatibility with standards (CIDOC-CRM)!**

# RICONTRANS – Synthesis

## □ Documentation **entities**:

### **Objects and Transfers**

Objects  
Object Transfers  
Routes

### **Sources**

Archival Sources  
Books  
Newspapers and  
Periodicals/Reviews  
Oral History Sources

### **Passages and Comments**

Source Passages  
Collection of Source  
Passages  
Researcher Comments

### **Related Documentation**

Historical Figures  
Collections  
Events  
Locations  
Persons  
Organizations  
Bibliography

### **Presentation**

Digital Objects  
Information Texts

# RICONTRANS – Synthesis

## □ Documentation of an **object transfer**

**Object Transfer**

- Identification Code
  - https://ricontrans-project.eu/ObjectTransfers/12
- Name
  - Chalice sets from Russia to Argyroupolis, Crete
- Transfer Date
  - At some time within
    - Date
      - 1900, ca.
    - In the course of
    - Event Related
- Transferred Object
  - Object
    - Name of Object
      - Chalice sets
- Transferred From
  - Location
    - .../Location/22, Russia
  - Details
- Transferred To
  - Location
    - .../Location/88, Argyroupolis, Crete, Greece
  - Details
- Transfer Description

**Person Involved**

- Person
  - .../HistoricalFigure/2, Kastrinogiannakes, Dionysios
- Role
  - Archbishop of Rethymno and Avlopotamos
- Organization Involved
- Other Object Involved
- Transfer Purpose
- Based On
  - Collection of Source Passages
  - Source Passage
    - Link
      - .../SourcePassage/3, Russian chalice sets for sale in Argyroupolis village, Rethymno Prefecture, Crete
    - Note
  - Bibliographic Reference
    - Link
      - .../Bibliography/4, Λειτουργικά σκεύη ρωσικής τέχνης σε εκκλησίες της επαρχίας Μυλοποτάμου
    - Note
  - Source Reference
- Interpreted by

# RICONTRANS – Synthesis

## □ Management of vocabularies:

The screenshot displays the RICONTRANS Synthesis Cultural Information Management System interface. The header includes the RICONTRANS logo, the title "VISUAL CULTURE, PIETY AND PROPAGANDA: TRANSFER AND RECEPTION OF RUSSIAN RELIGIOUS ART IN THE BALKANS AND THE EASTERN MEDITERRANEAN (16TH – EARLY 20TH C.)", and the Synthesis logo. The left sidebar contains navigation menus for "Objects and Transfers", "Sources", and "Passages and Comments". The main content area shows the "Administration - Vocabulary of Object Category" page, which includes a "Filter Table" and a table of object categories. The "Object Category" text in the title is highlighted with a red box.

**Administration - Vocabulary of Object Category**

Showing 10 entries

<input type="checkbox"/>	Term
<input type="checkbox"/>	-----
<input type="checkbox"/>	objects in church or monastery sacristies
<input type="checkbox"/>	objects in churches or monasteries for ceremonies and rituals
<input type="checkbox"/>	objects in museum collections (for display / exhibit purposes)
<input type="checkbox"/>	objects in private collections (for display / exhibit purposes)
<input type="checkbox"/>	objects of family heirloom

# RICONTRANS – Synthesis

## □ Advanced search

**Objects and Transfers**

**Objects**

- Object Transfers
- Routes

**Sources**

- Archival Sources
- Books
- Newspapers and Periodicals/Reviews
- Oral History Sources

**Passages and Comments**

- Source Passages
- Collection of Source Passages
- Researcher Comments

**Related Documentation**

- Historical Figures
- Collections
- Events
- Locations
- Persons
- Organizations
- Bibliography

### Objects - Advanced Search

**Searching criteria**

Operator:  AND  OR

Entity	Select Criteria Field	Condition	Value
Object	Creation/Production Date x	before	18th century

Search of Referenced Ontologies ▾

Additional Search Criteria ▾

**Output Fields**

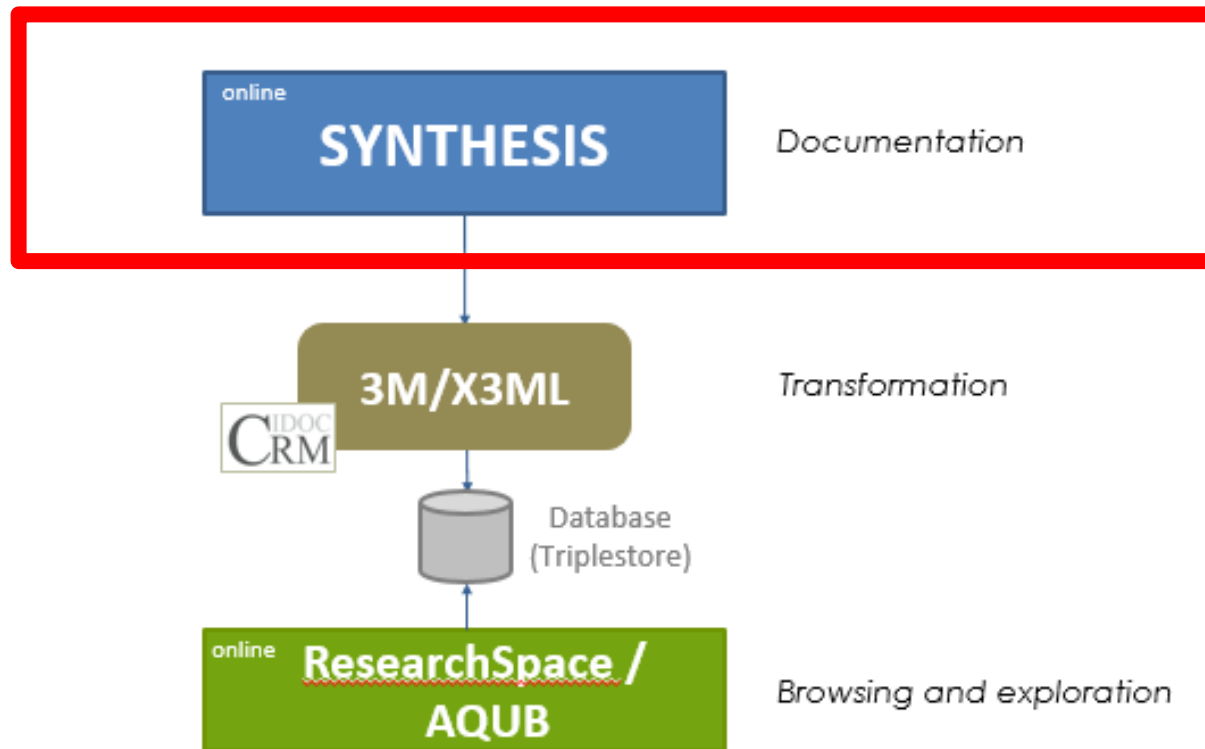
Default output fields  Change output fields

Select Output Fields

Official Object Name/Title x	Description x
------------------------------	---------------

Search Clear all

# RICONTRANS – Current activities



# The project 'ReKnow'



This project is funded by  
the European Union



- ❑ ReKnow – Research Knowledge Documentation, Analysis and Exploration in Empirical and Descriptive Sciences
  - Marie Skłodowska-Curie Individual Fellowship (**June 2020 – May 2022**, No. 890861)
- ❑ Field: **Cultural Informatics / Digital Humanities**
- ❑ Principal Investigator (grant holder): **Dr. Pavlos Fafalios**
  - Centre for Cultural Informatics / Institute of Computer Science – FORTH
- ❑ The research team
  - Pavlos Fafalios
  - Yannis Tzitzikas
  - Martin Doerr
  - Giorgos Flouris





## □ General aim:

- Support researchers and domain experts in descriptive and empirical sciences in their research practices through solutions that allow for better **documentation**, **analysis** and **exploration** of research processes and data

## □ Objectives:

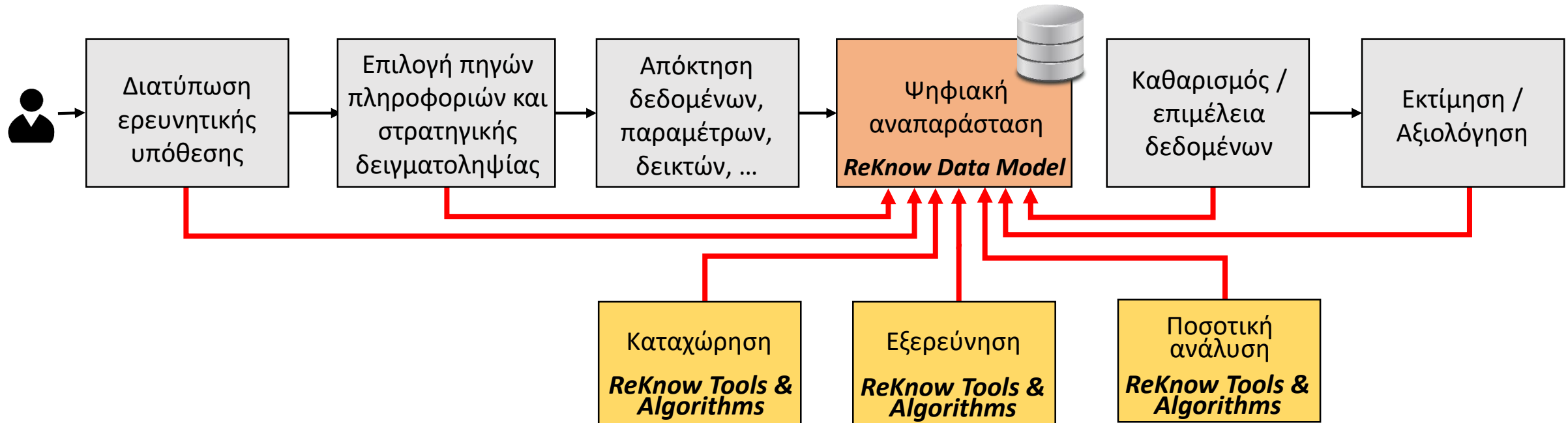
- Design and development of semantic data and process **models** for documenting, formally representing and interconnecting research data and processes
- Development of **algorithms** and **methods** for supporting argumentation processes and the discovery or revision of research knowledge
- Design and development of user-friendly and interactive **tools** for supporting advanced exploration and quantitative analysis of research data by domain experts

## □ Use cases (and data sources)

- Maritime History (SeaLiT)
- History of Art (RICONTRANS)

- ❑ How to catalogue and document research processes and data in descriptive and empirical sciences?
  - How to **formally represent** data related to hypothesis building, gathering of resources, parameterization, observation, argumentation, evidential reasoning, ...
- ❑ How to maintain easy to explore connections to the provenance and source of each fact in order
  - Important for reliability, knowledge revision, comparability, correction of errors, ...
- ❑ How to enable domain experts to explore the facts and express complex questions in an intuitive and user-friendly way?
  - How to support efficient quantitative (statistical) analysis of the gathered data?
- ❑ How to facilitate the detection and documentation of knowledge inconsistencies, like contradictory findings or changes in correlations and distributions?
  - E.g., when new resources, data or evaluation results are available

# ReKnow – The Vision



# ReKnow – Activities

<https://reknow.ics.forth.gr/>

- Research visits
- Research seminars
- Organization of events
  - Workshops / Training Schools
  - Tutorials
  - Hackathons
  - ...
- Networking & Outreach
  - Community creation

**Stay Tuned!**

# Thank you!

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