

www.fmomo.org

Tangible, Intangible Cultural Heritage and **Oral History** management with Dédalo Open source project for investigation, catalogation and diffusion

Gestión de Patrimonio Cultural Material, Inmaterial e **Historia Oral** sobre Dédalo, Proyecto de código abierto para investigación, catalogación y difusión

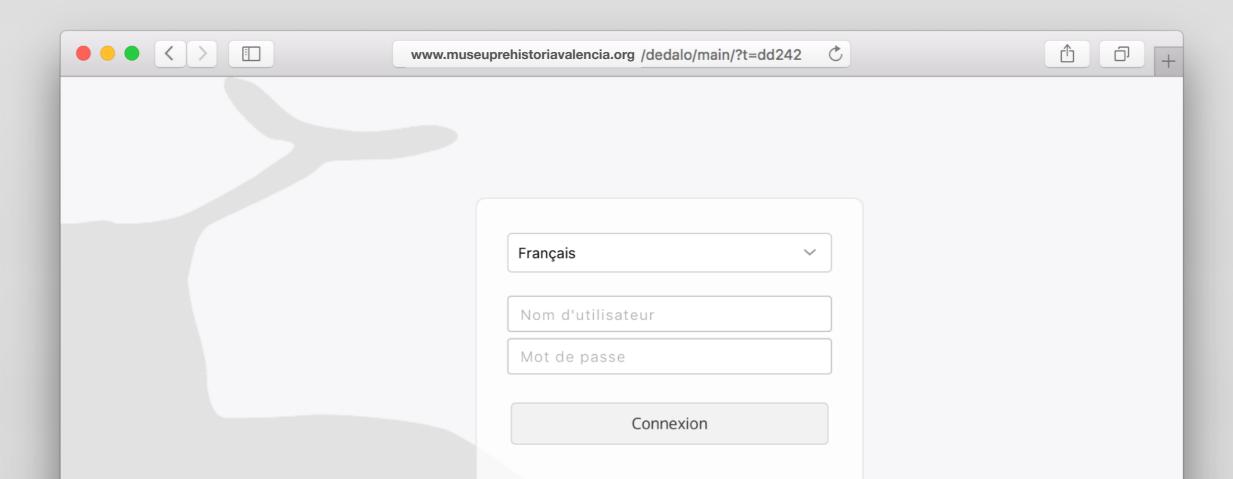


### **Cultural Heritage Management**

Long term project 1998-2018

Web Standards

Catalogue, research and diffusion of Heritage





1998 - 2018

We are celebrating 20 years of Dédalo

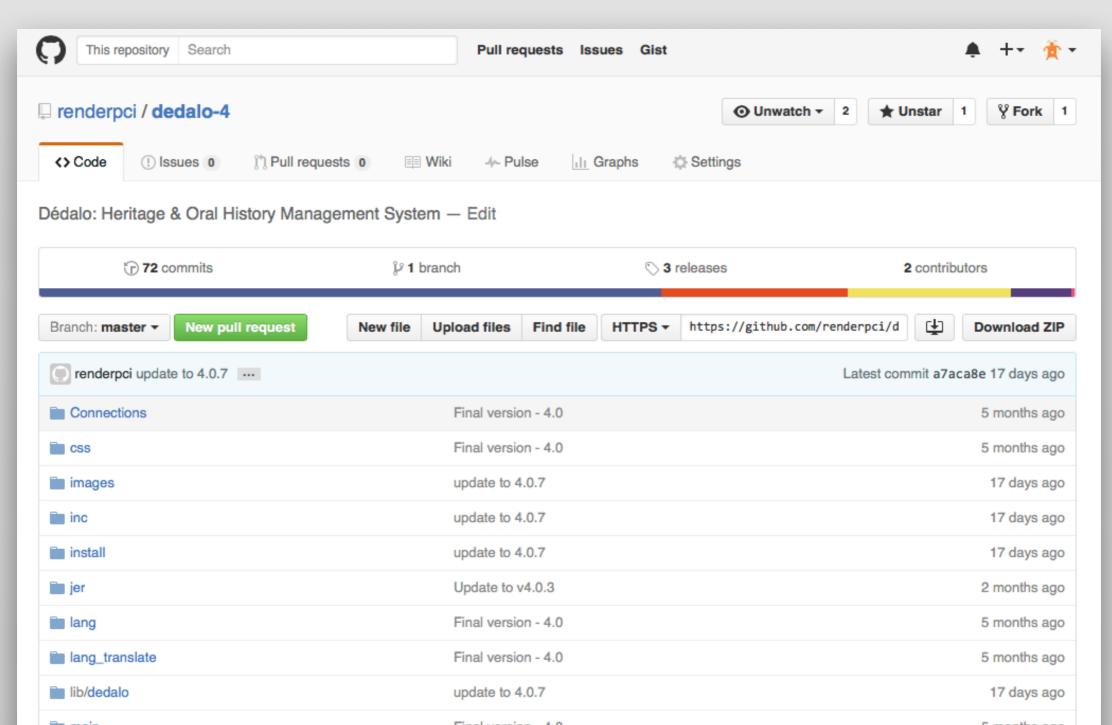


#### **OPEN SOURCE**



(shortly, we'll go leave it, will move Dédalo to a true open source place)

# https://github.com/renderpci/dedalo-4







Web



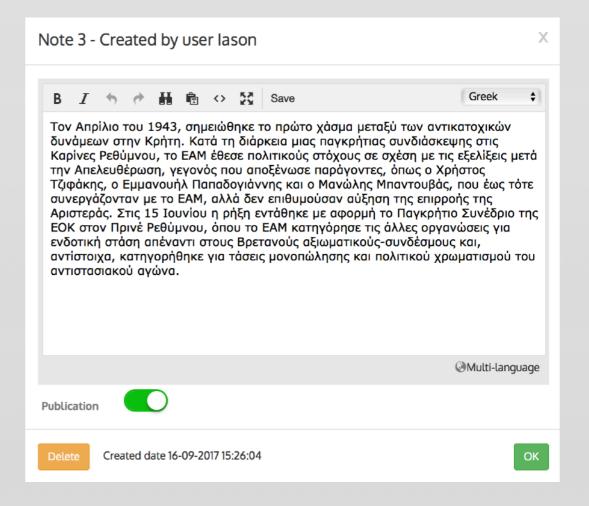
### Speaker identification inside transcriptions





### Annotations (private/public) inside transcriptions

3





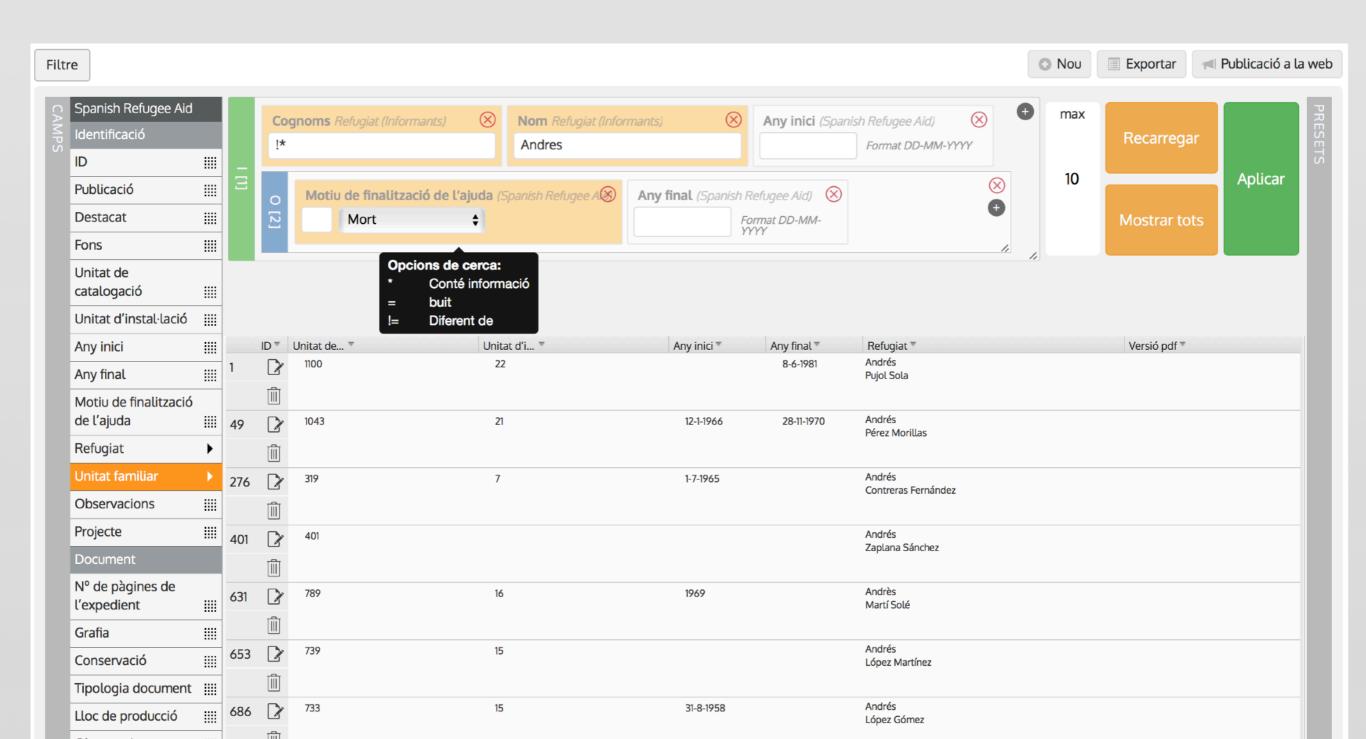
### Chapters, titles, headings, sub-headings

### Deportation in die deutschen Konzentrationslager In den Averoff-Gefängnissen 00:42:05.884 (L. GioKlenne: Sie hatten gesagt, dass man Sie mit einem Flugzeug nach Athen gebracht habe? StaPa: Ja. 00:42:09.626 GioKl: (--) Was für ein Flugzeug war das? StaPa: Ein deutsches, eine Dakota, ich weiß nicht, wie heißen die nochmal? 00:42:15.305 ( GioKl : (--) Von dort aus sind Sie in die Gefängnisse von Averoff gekommen, sagten Sie. GioKl: Wie lange sind Sie dort geblieben? :Genau (-) weiß ich das nicht mehr. 00:42:26.527 Auf jeden Fall lange. 00:42:28.042 Ich glaub länger als einen Monat. 00:42:31.131 (1) GioKl : Wie viele von den fünfzig sind mitgekommen, die Sie erwähnt haben? 00:42:34.452 Oder zu wievielt waren Sie generell im Flugzeug? StaPa: Zu (-) zehnt, zwanzig hat man uns reingesteckt. 00:42:42.080 (1) GioKl : War jemand anderes aus Meskla mit dabei?





#### New search



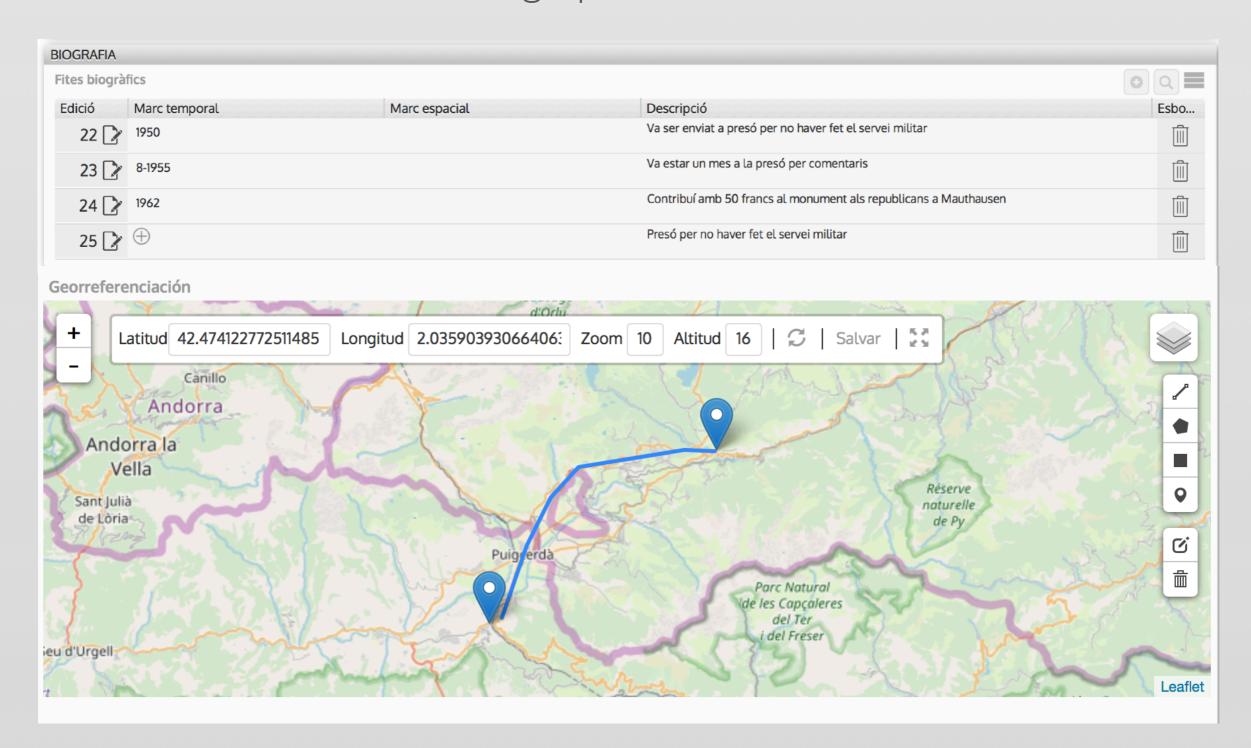


### New thesaurus

THEMATIC	
⊕ CHRONOLOGICAL DESCRIPTORS [hierarchy1_246] ▼	
⊕  ⊕  □  □  □  Pre-war period -1940 [dc1_16]  S:188	
⊕  ⊕  □ 2  Metaxas Dictatorship 1936-1941 [dc1_1] S:59	
⊕   ⊕   ☐  ☐  ☐  ☐  ☐  ☐  ☐  ☐  ☐  ☐  ☐  ☐  ☐	
⊕ ⊕ ⊞ 4  German Invasion April 1941 [dc1_3] S:38	
⊕  ⊕  □  □  □  □  □  □  □  □  □  □  □  □  □	
⊕  ⊕  □  □  □  □  □  □  □  □  □  □  □  □  □	
⊕ ⊕ ⊞ 8 Bulgarian occupation, 1941-1944 [dc1_19] S:15	
⊕  ⊕  □  □  □  □  □  □  □  □  □  □  □  □  □	
⊕  ⊕  □ 11  Civil War 1945-1949 [dc1_9] S:197	
⊕ ⊕ iii 12 Post-war period [dc1_10] S:324	
⊕  ⊕  □  □  □  □  □  □  □  □  □  □  □  □  □	
⊕  ⊕  □  □  □  □  □  □  □  □  □  □  □  □  □	
→ NAME DESCRIPTORS [hierarchy1_245] ▼	
⊕  ⊕  □ 2  Persons [on1_37]  ►	
Fortetza castle [on1_1135] S:5	
⊕	
Historia Oral	
62 [mog018] Memories of the Occupation in Greece Eleni Georganta	Kifissia, Kifisia
81 Στις Φυλακές Χατζηκώνστα 🗖 🕜 ΕΙ Και κατευθείαν από τις, από τον (την) Ελπίδος, επήγα στο	00:45:07.924 - 00:48:02.524 Tota 00:02:54.600
Το Μπλοκ 15 177 του Γ΄ : Κυρία Ελένη μιλήστε μας γι' αυτό το κτήριο πίσω σας.Περάσατε εσείς	00:04:26.532 - 00:06:36.940 Tota 00:02:10.408



### New biographical milestones





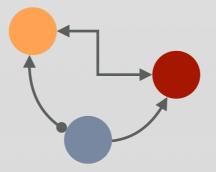
# WHO SHARES, WINS.

JYU.FI/HAE JYU.FI/STUDYWITHUS

**JYU.** Since 1863.



### CONNECTING ARCHIVES



### CONNECTING ARCHIVES



### First sentence of the first web page:

"The WorldWideWeb (W3) is a wide-area hypermedia information retrieval initiative aiming to **give universal access** to a large universe of documents."

Tim Berners-Lee December 20th, 1990





Nazi concentration camps





Nazi concentration camps









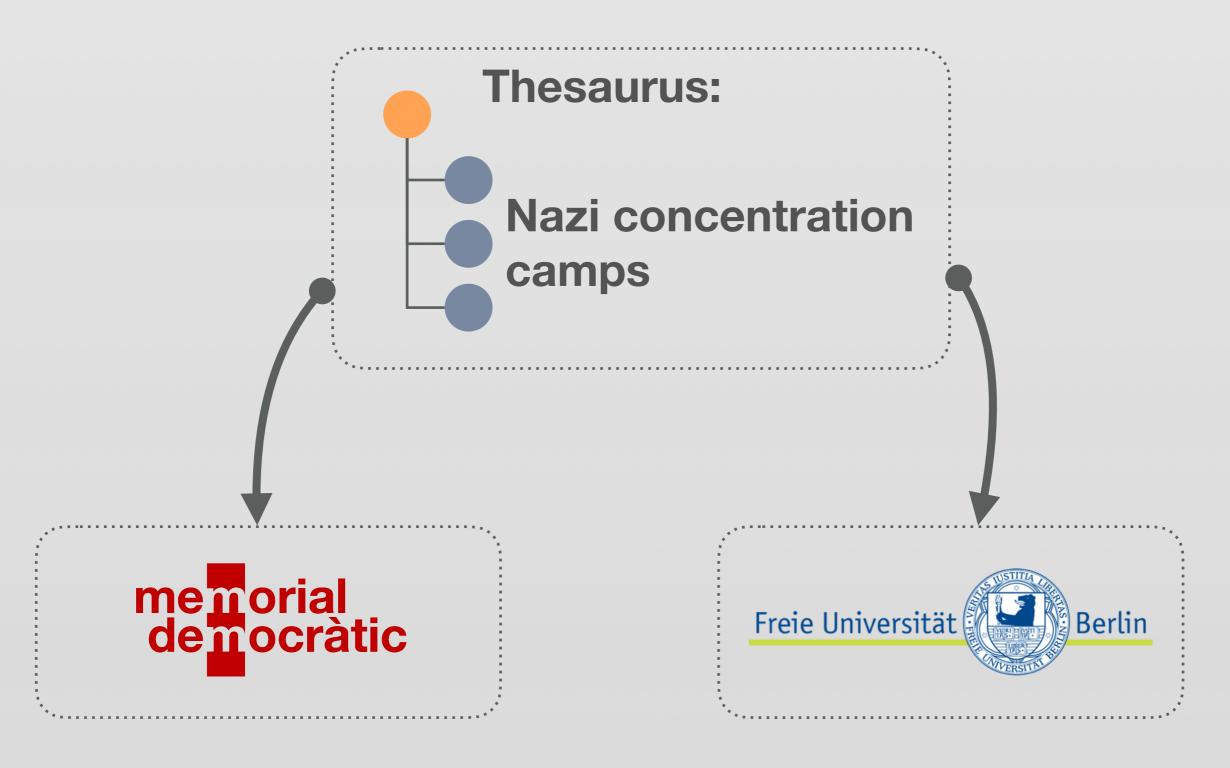
Nazi concentration camps





Nazi concentration camps





### HOW WE CAN SHARE?



User / Research side



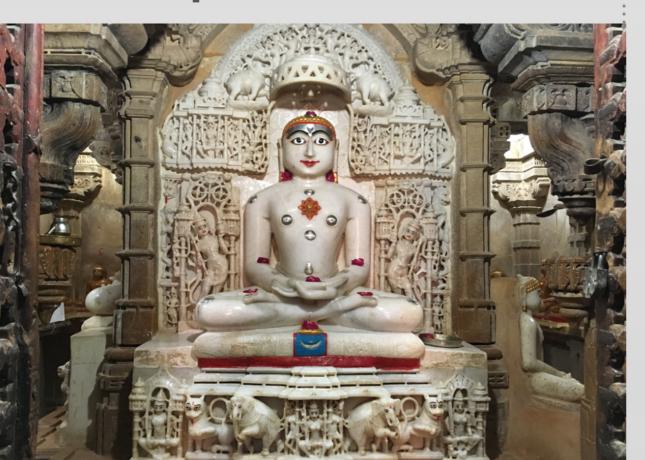
Developer side

#### HOW WE CAN SHARE?

### 4 steps to Nirvana

- 1 Do the investigation
- 2 Build a digital archive
- 3 Publish the archive

### - 4 Open it!



### Lots of questions before...

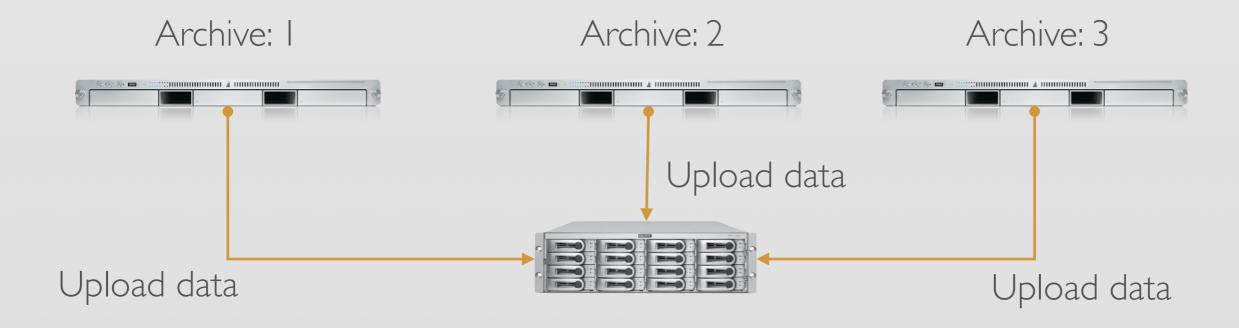
- Do you want share? (main fonts not only the final publication)
- Do you have resources?
- Can you open you information?
- Do you have the rights?
- Do you have the archive ready?
- Etc.

### HOW WE CAN SHARE?

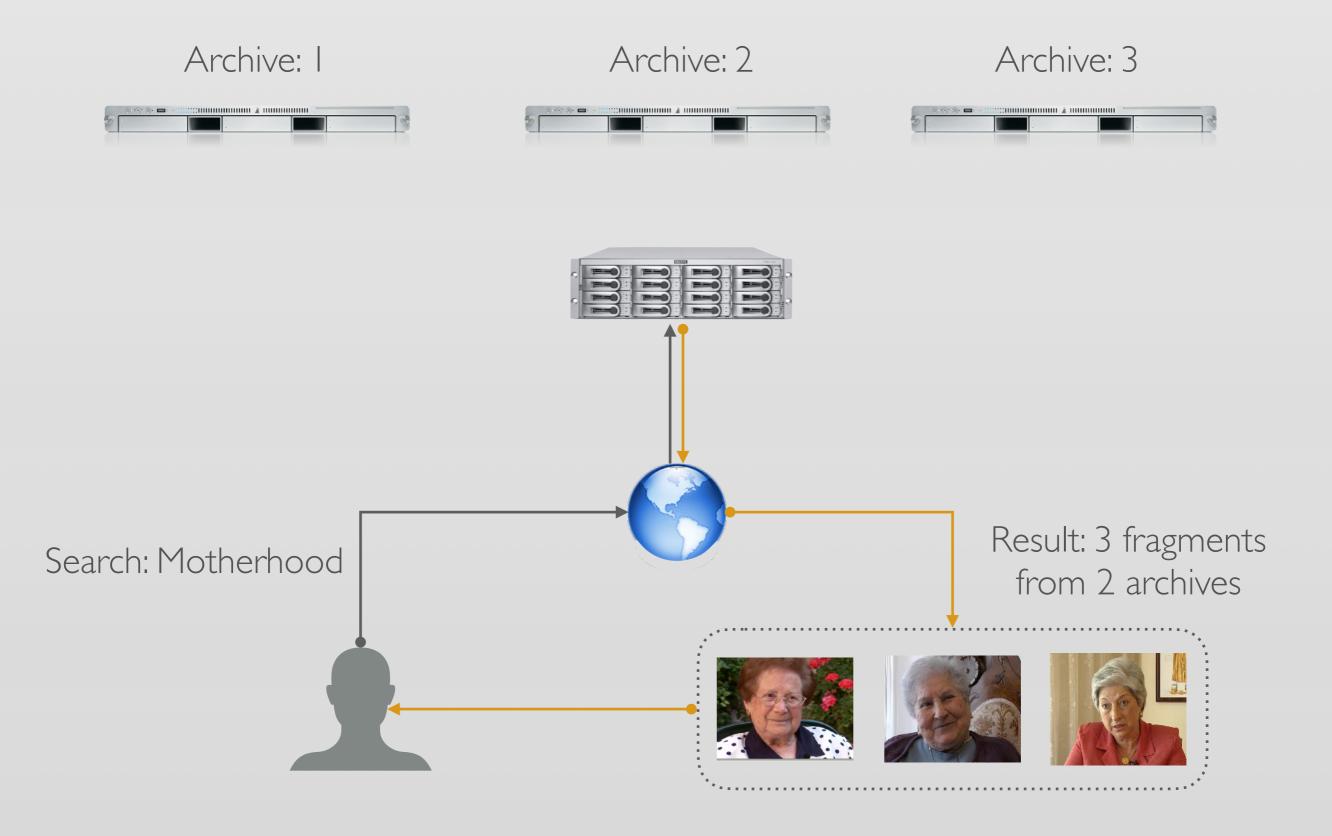


Developer side

### UNIQUE REPOSITORY



### UNIQUE REPOSITORY



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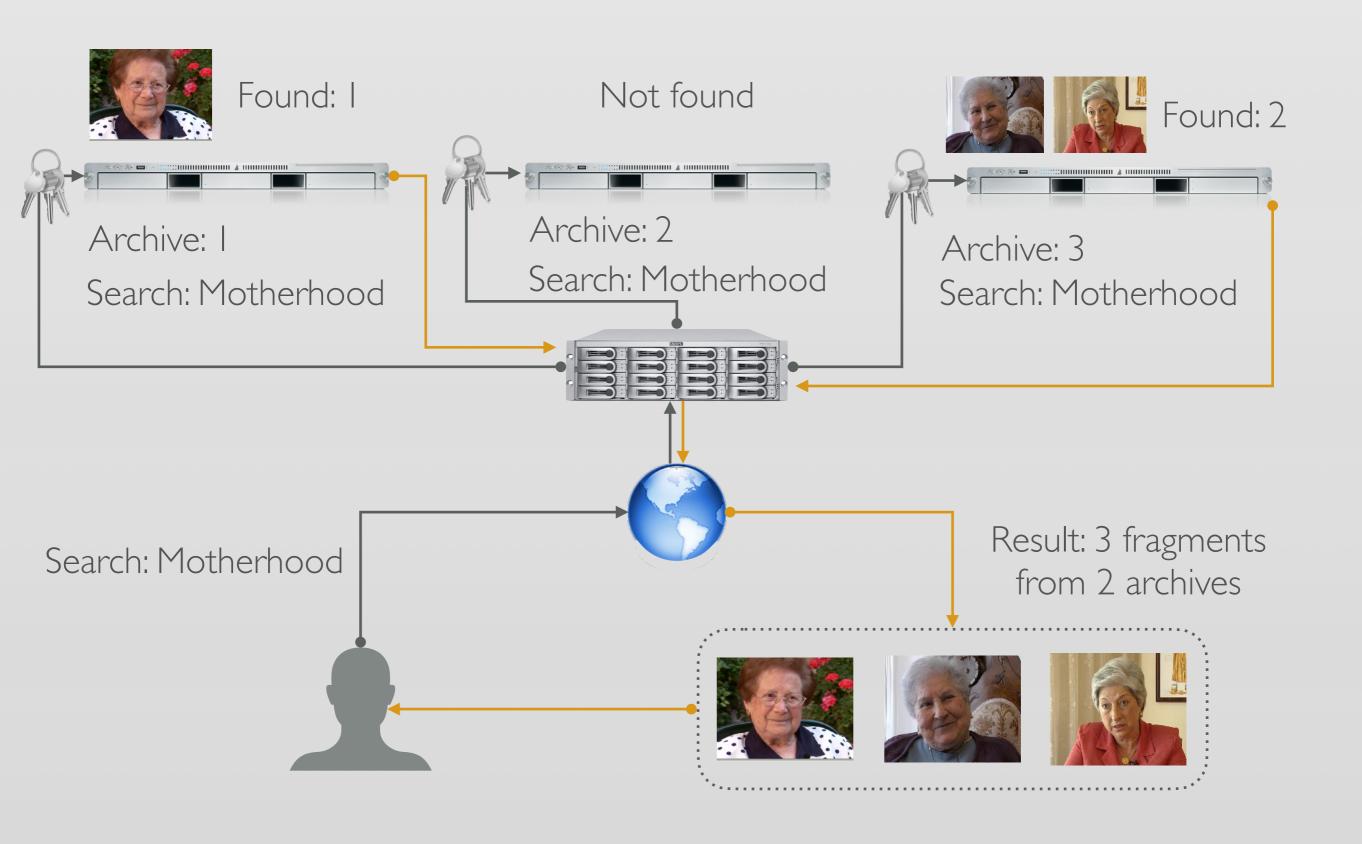
#### **Pros**

- Easy to build
- Easy to maintain, sustain
- Fast implementation
- Fast searches

### Cons

- Not real update
- Duplicate data and formats
- Very expensive for Oral
   History (video files)
- Large hardware and networks
- Very expensive for sustain

### THE GOAL: FEDERATE SEARCH!



#### FEDERATE SEARCH



#### **Pros**

- Relative cheap for build maintenance / sustain
- Real access to the information
- Extensible without change the servers / networks
- Unique data and formats

#### Cons

 Very complex to develop, deploy.

### HOW WE CAN DO IT?



Road Map





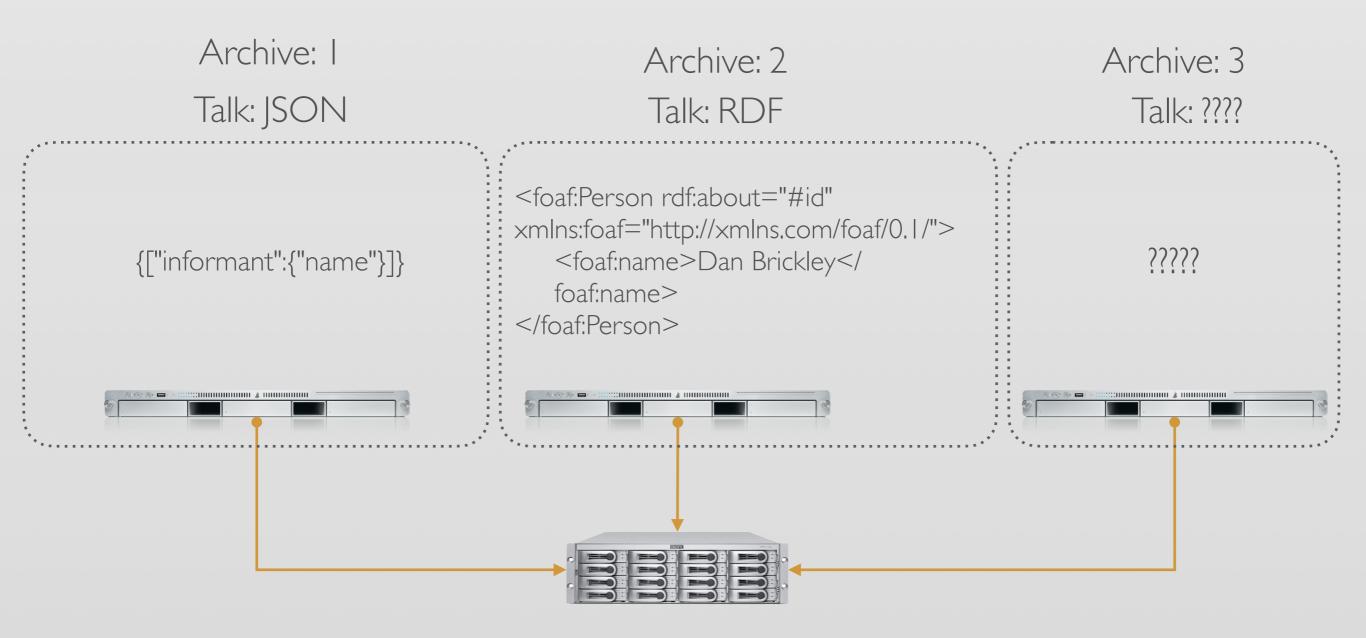
### 3 kinds of data

Transcription / Thematics & Informants Indexation Thesaurus

Easy to share

Complex to share

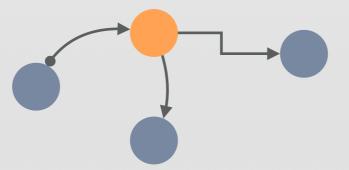
### WE NEED A COMMON LANGUAGE!



The language need to be adapted to Oral History

### STEP 2: BUILD A ONTOLOGY FOR THE DATA





We need a

common standard shared agreed

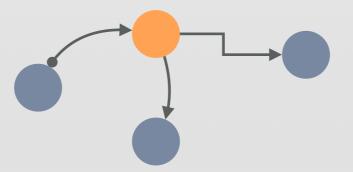
ontology

# for Oral History!



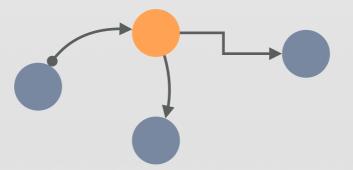
### STEP 2: BUILD A ONTOLOGY FOR THE DATA





- Standard / agreed (maybe IOHA can be the backer)
- Independent of language (yes / sí / oui / da / نعم / vaı ...)
- Extensible and flexible
- Independent of programming
- Based in JSON (XML/RDF fail for OH)
- Open
- For machines (or for dev humans)
- Easy to work / change, etc

# STEP 3: OPEN API (IF WE WANT FEDERATE SEARCH)



We need a shared agreed upon

**API** 

# for Oral History!



API: Application Programming Interface

### STEP 4: DEVELOP, DEPLOY AND SHARE IT





From To

Basic concept Machine lang

Machine lang Languages translation

Machine lang Equality

 ${\lceil \text{"rsc} | 97": \{\text{"rsc} | 85"\} \rceil}$  rsc  $| 97": \{\text{"rsc} | 85"\} \rceil$ 

Machine lang Definition

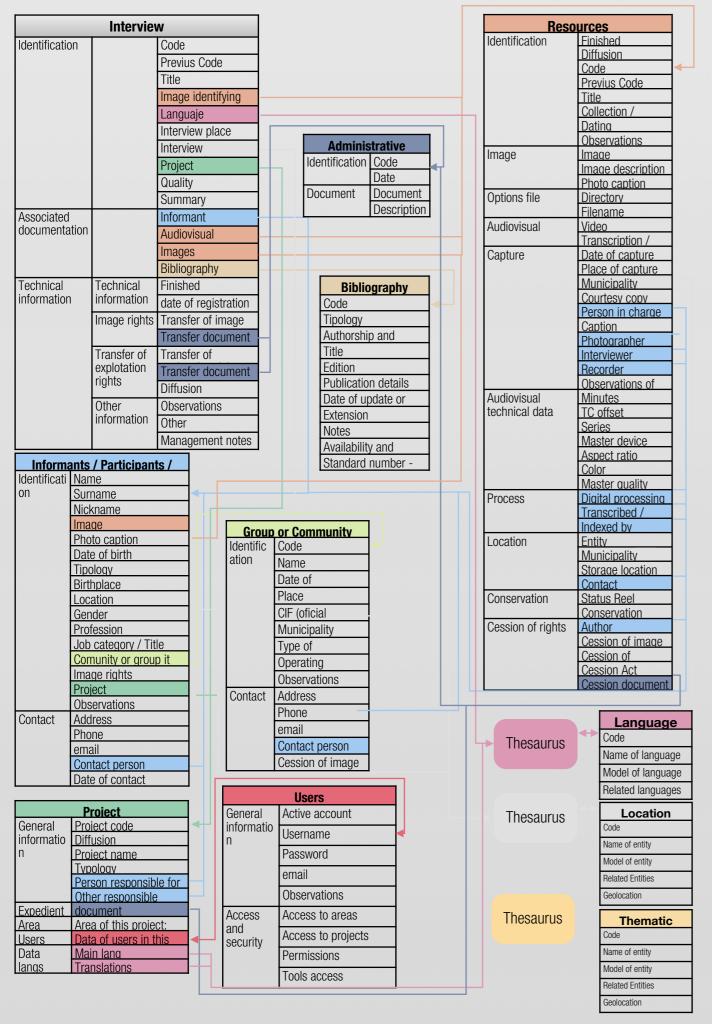
 $\{["rsc | 97": \{"rsc | 85"\}]\}$  rsc [97] r

Archive: 2

Share



Deploy

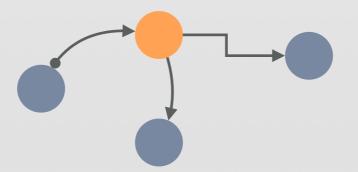




Dédalo has a ontology built for Oral History data

### Dédalo ontology





#### **Pros**

- 20 years of depuration
- Thought for Oral history
- Ready to use and proved
- Multilingual (Spanish, Catalan, English, French, Greek, etc)
- Open

#### Cons

- Is not standard
- Need to be documented
- Need a stable support
- Need a community





Thanks!
Questions!?

