

# Digital Presentation and Preservation of Cultural and Scientific Heritage

24-26 September 2020  
Burgas, Bulgaria

## A unified data model for ICH online inventories: a proposal

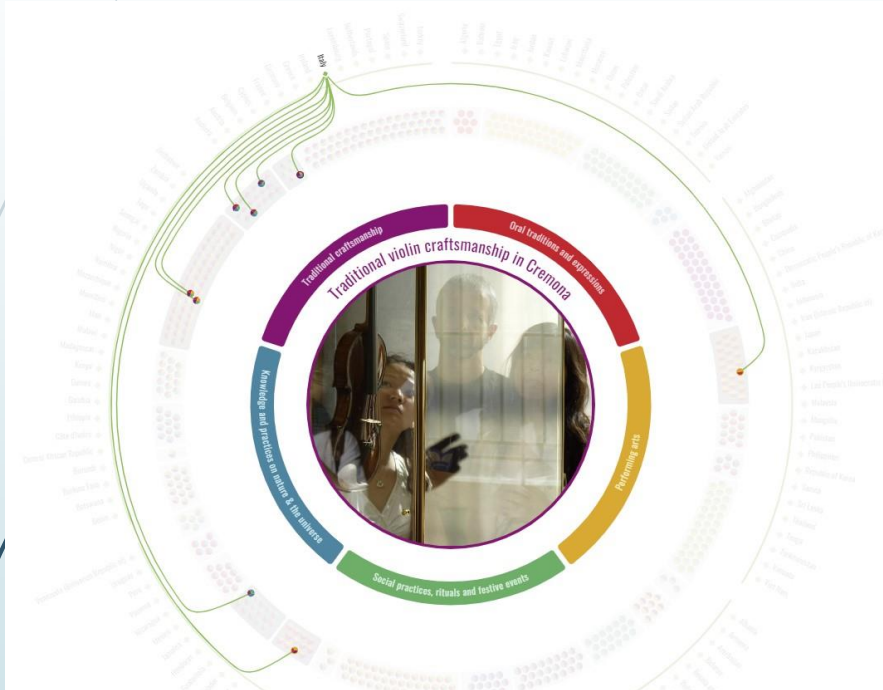
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Isabella Gagliardi

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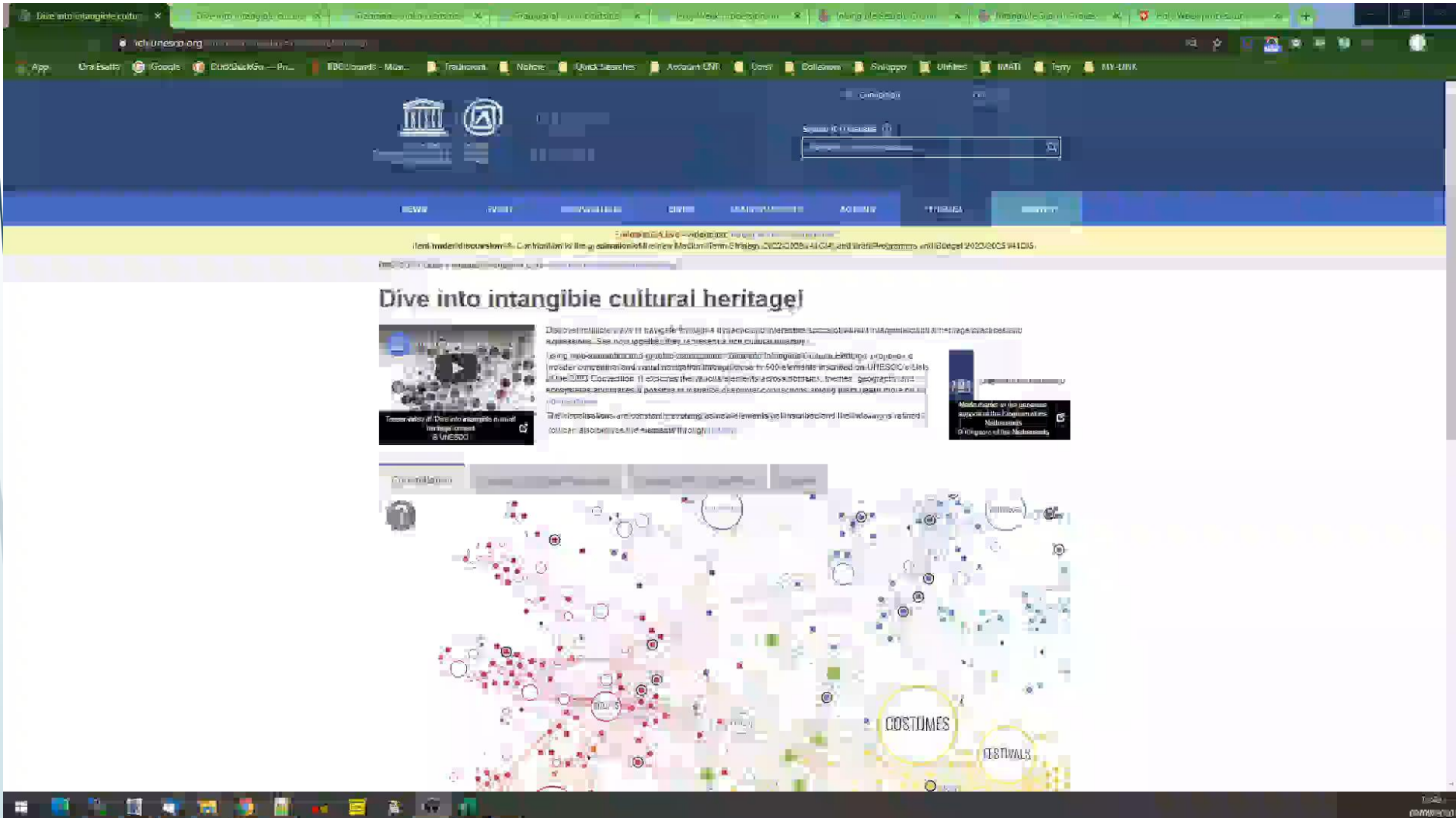
# ICH Digital archives

There is no easy way to find digital archives related to ICH



1. Access the Unesco website and use the new tools developed to dive into the collection of inscribed elements





# MEMORIAMEDIA Review

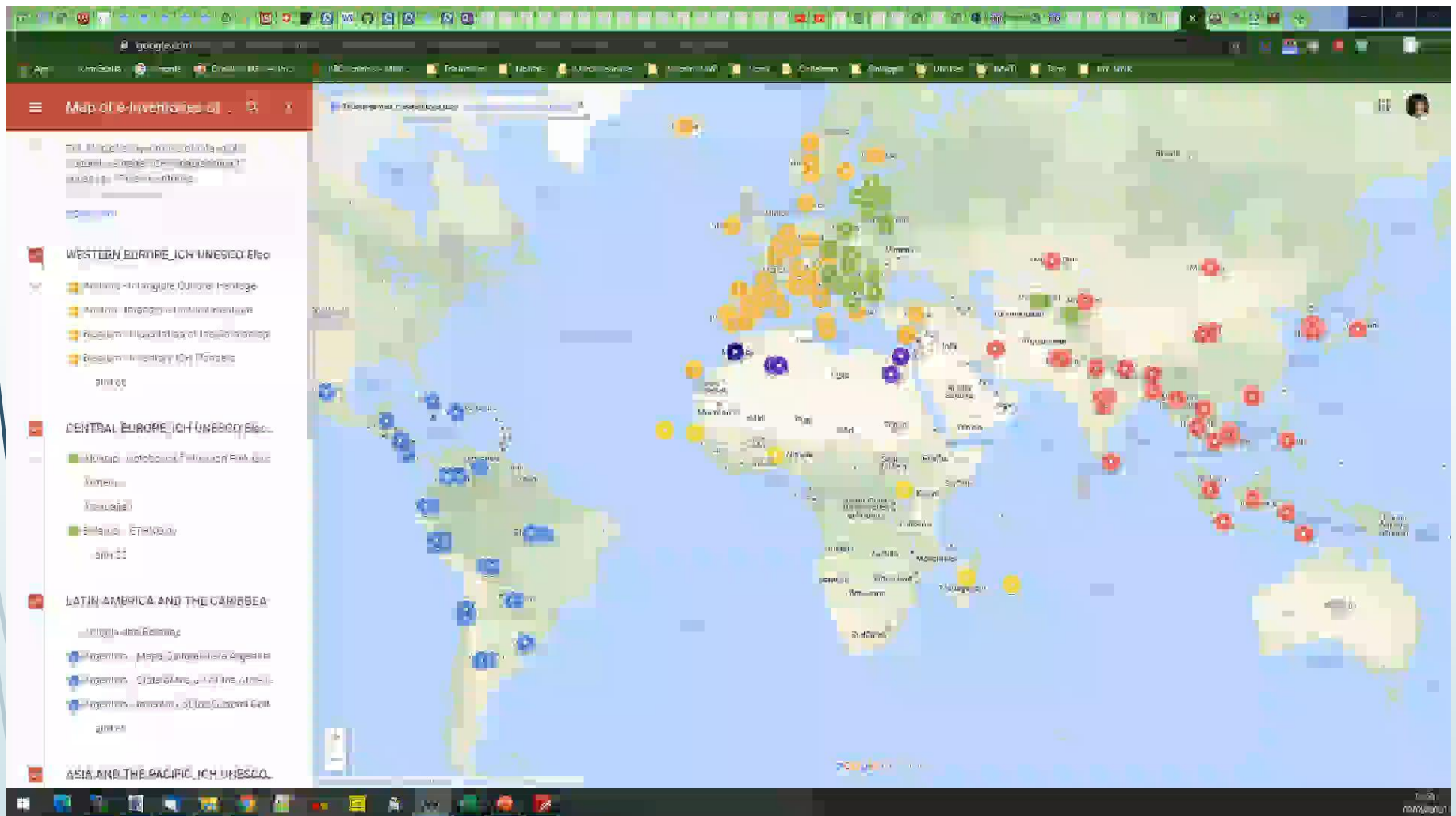
INTANGIBLE CULTURAL HERITAGE

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2. Navigate the Map of ICH e-inventories created by MemoriaMedia, available at <https://review.memoriamedia.net/index.php/map-of-e-inventories-of-intangible-cultural-heritage>









## Search aim:

To find ICH archives that can be queried through web services

To explore different ways used to structure ICH data stored into digital archives

To integrate different archives and query them, bypassing language problems



# Web Services for Cultural Heritage

## QueryLab Prototype

### Web services already experimented

- Europeana
- Victoria & Albert Museum
- Cooper Hewitt

### New Web services included

- Réunion des Musées Nationaux - Grand Palais
- Auckland War Memorial Museum
- Digital Public Library of America



# Web Services for Cultural Heritage

## Guidelines for good web services

- Realize a query parameter, to apply full text queries and specific fields queries
- Give access to a console where users can do practice with various service parameters
- Specify how to access to different multimedia files
- Give specific services to get thesaurus and tag lists (facets index)
- Examples of how to apply different types of queries





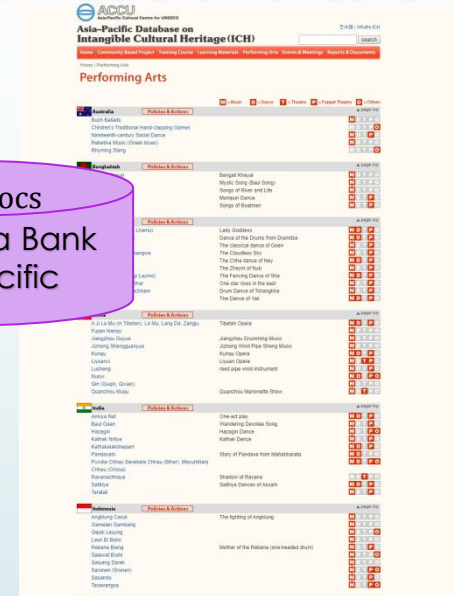
# Data structure for Cultural Heritage

IntangibleSearch, the inventory of Lombardy Region and Alps



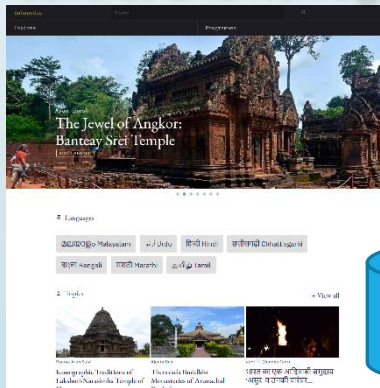
326 docs  
IntangibleSearch  
Italy

Data Bank on Traditional/Folk Performing Arts in Asia and the Pacific



152 docs  
Accu Data Bank  
Asia/Pacific

Sahapedia: online resource on the arts, cultures and heritage of India



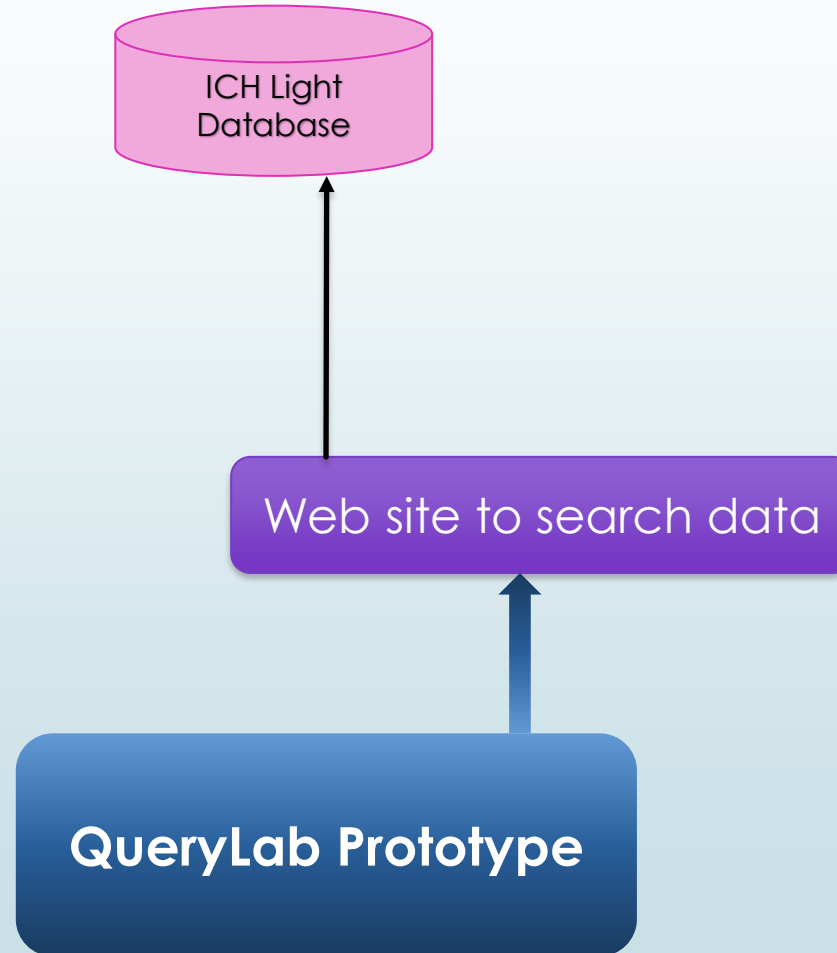
392 docs  
Sahapedia  
India

- Next to be added:
- ICH Scotland
  - The German Nationwide Inventory of ICH
  - Living traditions in Switzerland

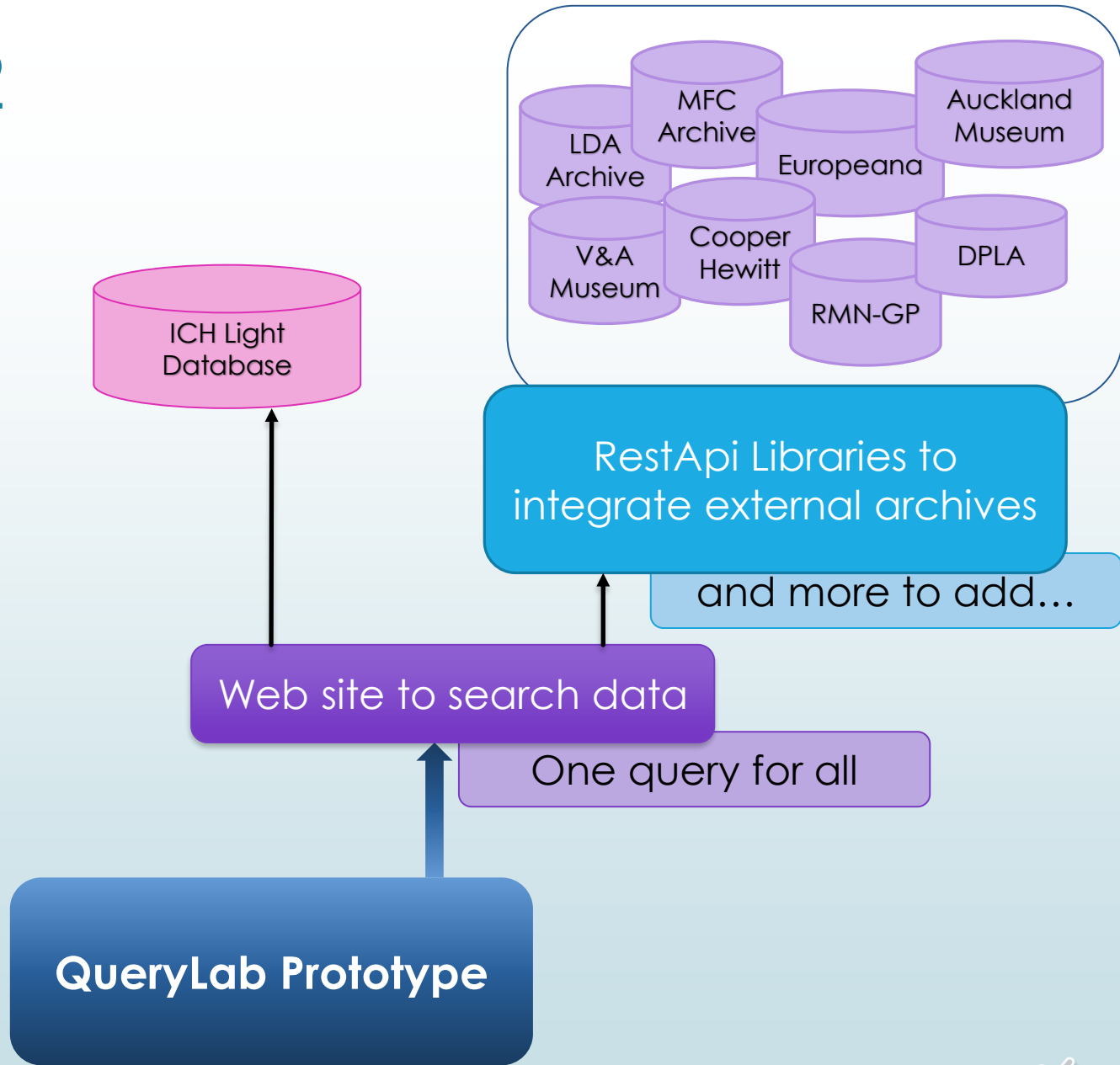
ICH Light metadata



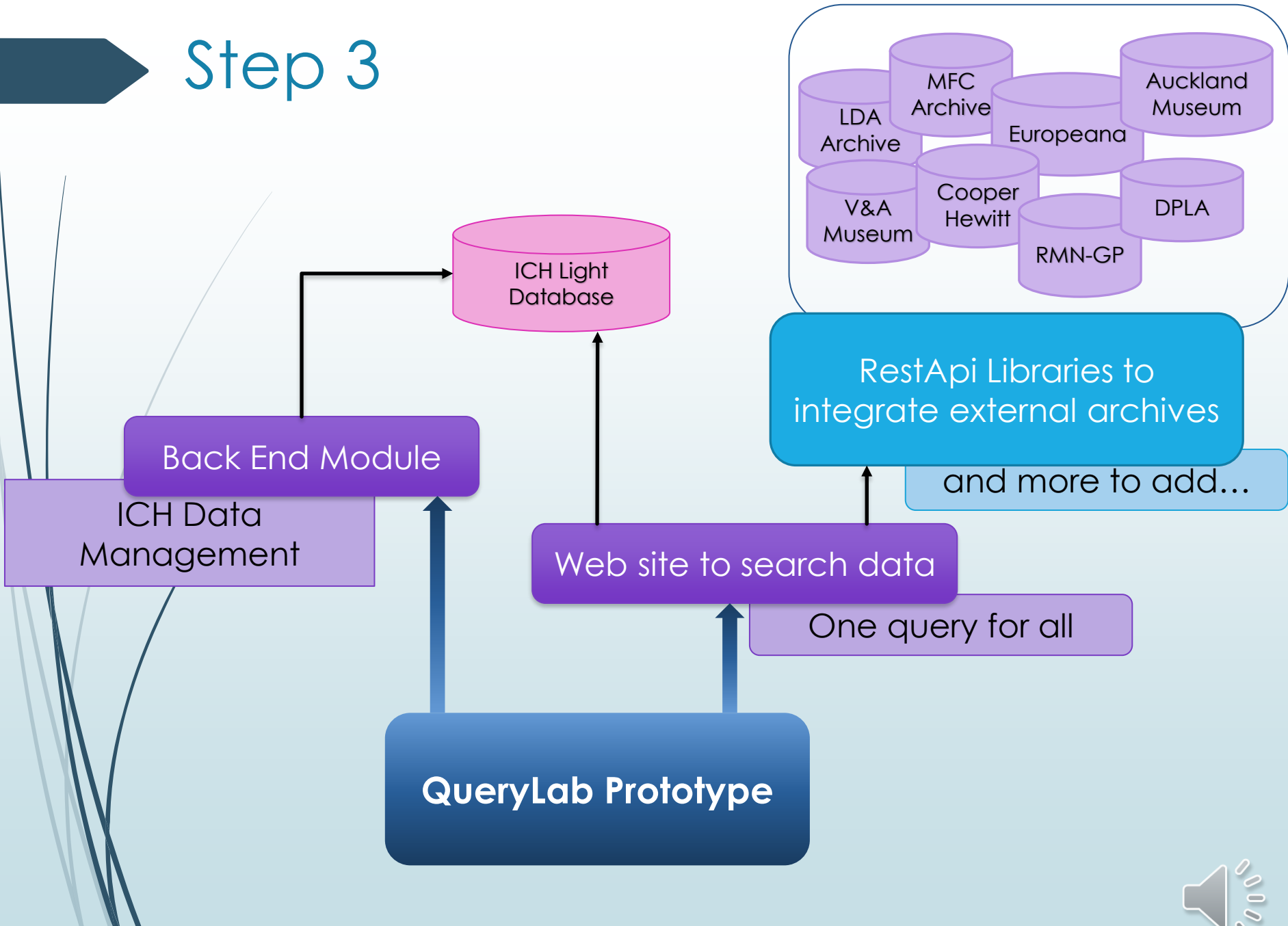
# QueryLab challenge: step 1



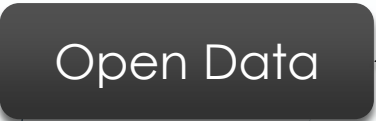
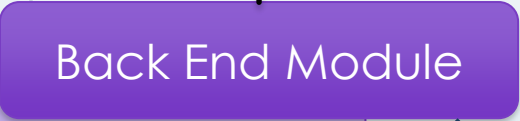
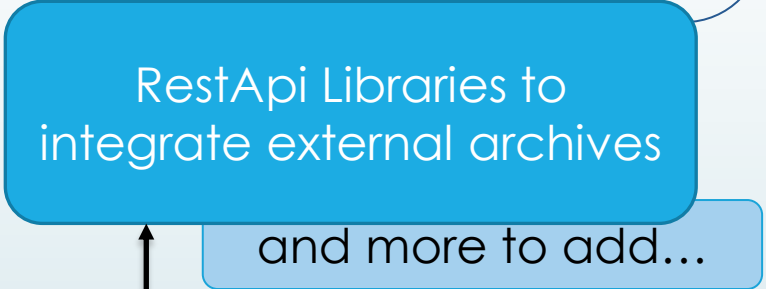
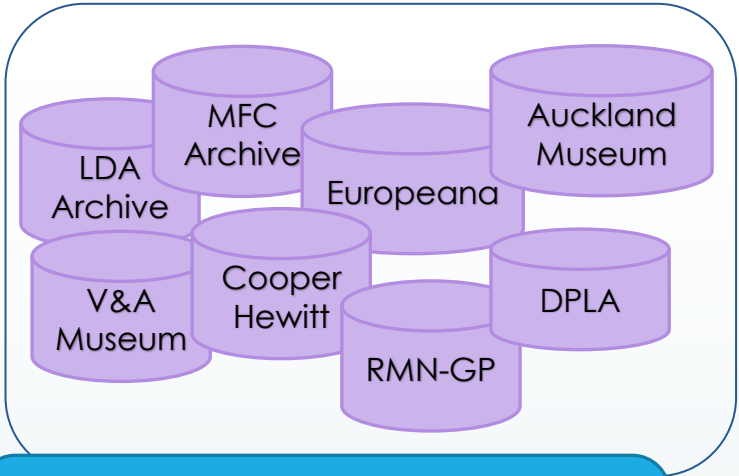
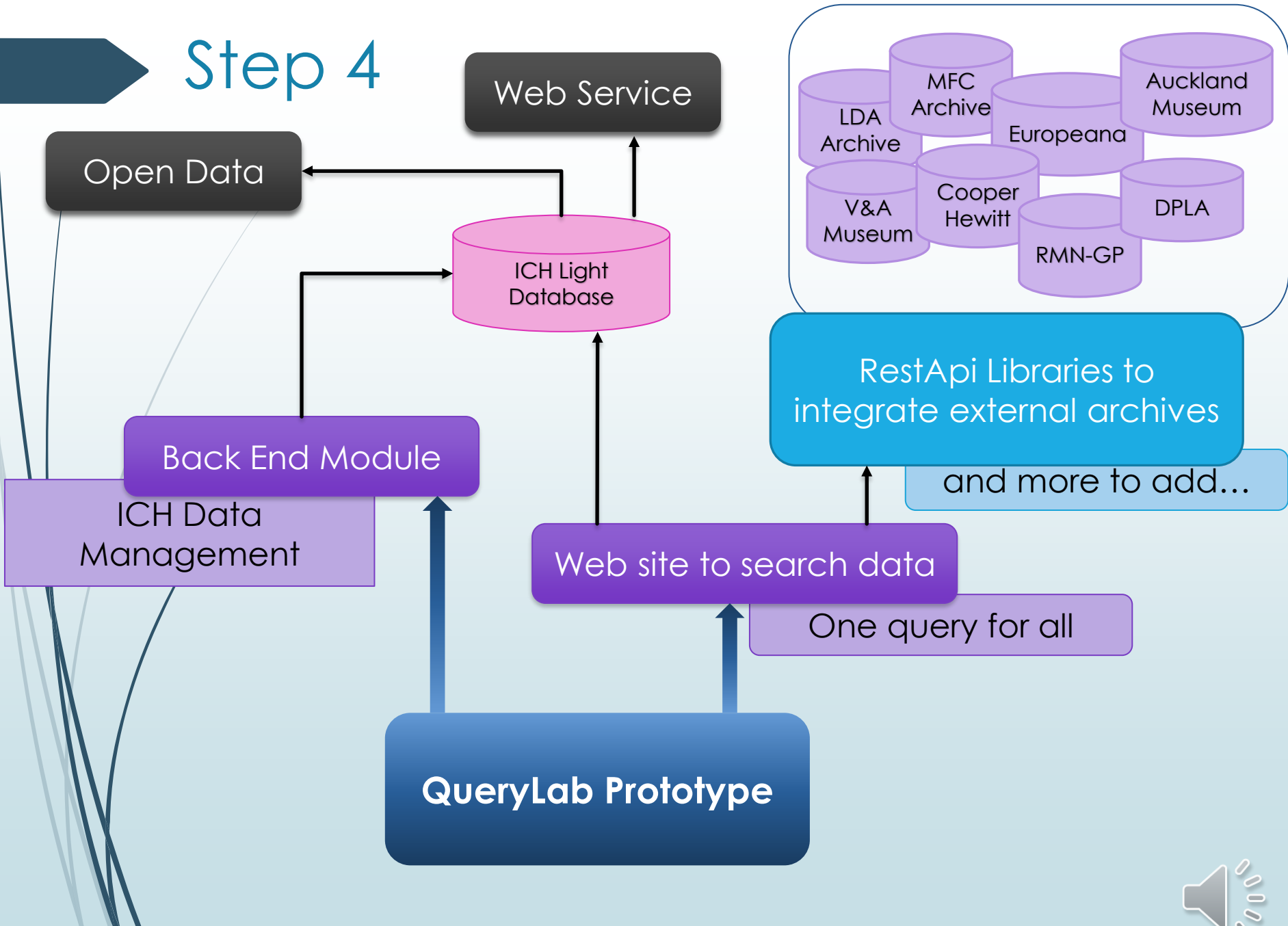
# Step 2



# Step 3



# Step 4

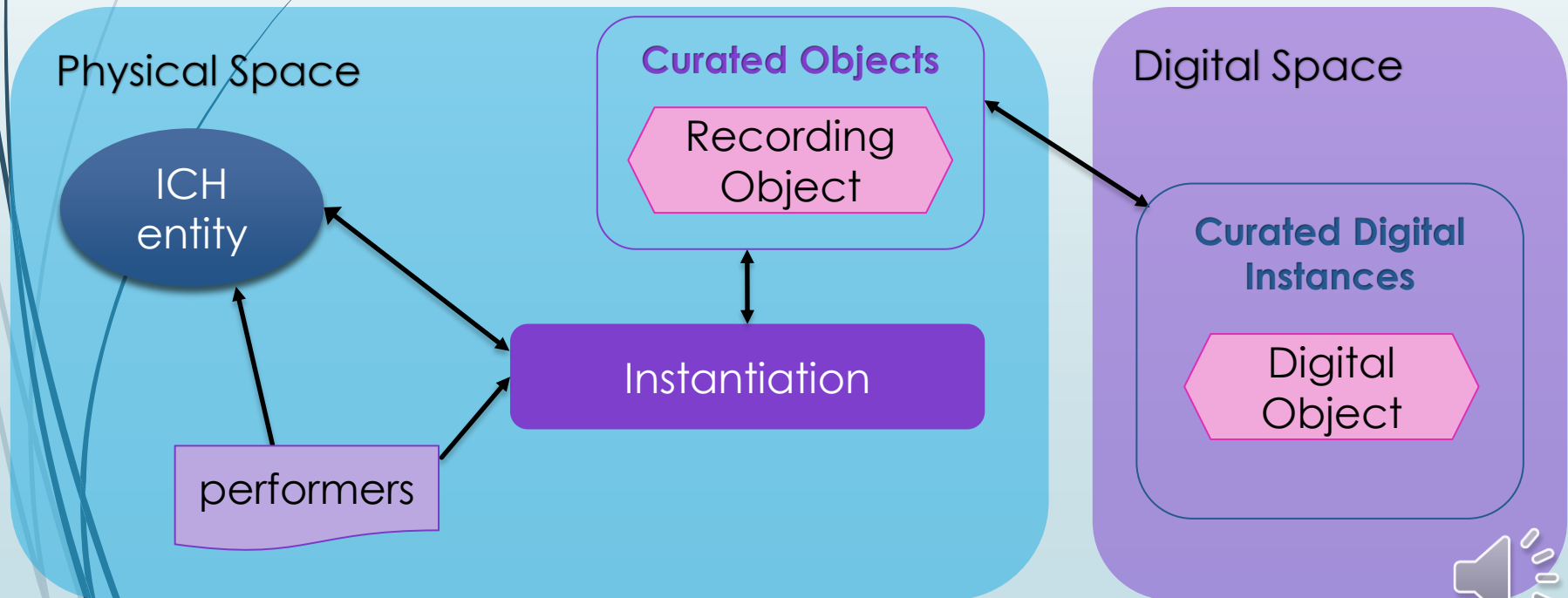


# Cultural Heritage in Digital Environments (CHDE) Model

By Wijesundara & Sugimoto:

“ICH does not exist as a single physical item but is usually instantiated in many occasions”

“an ICH is not an item physically collectable by memory institutions and the item-centric resource aggregation is not suitable. *Instantiation* acts as a bridge to aggregate those resources related to intangible cultural heritage”





# One-to-One principle

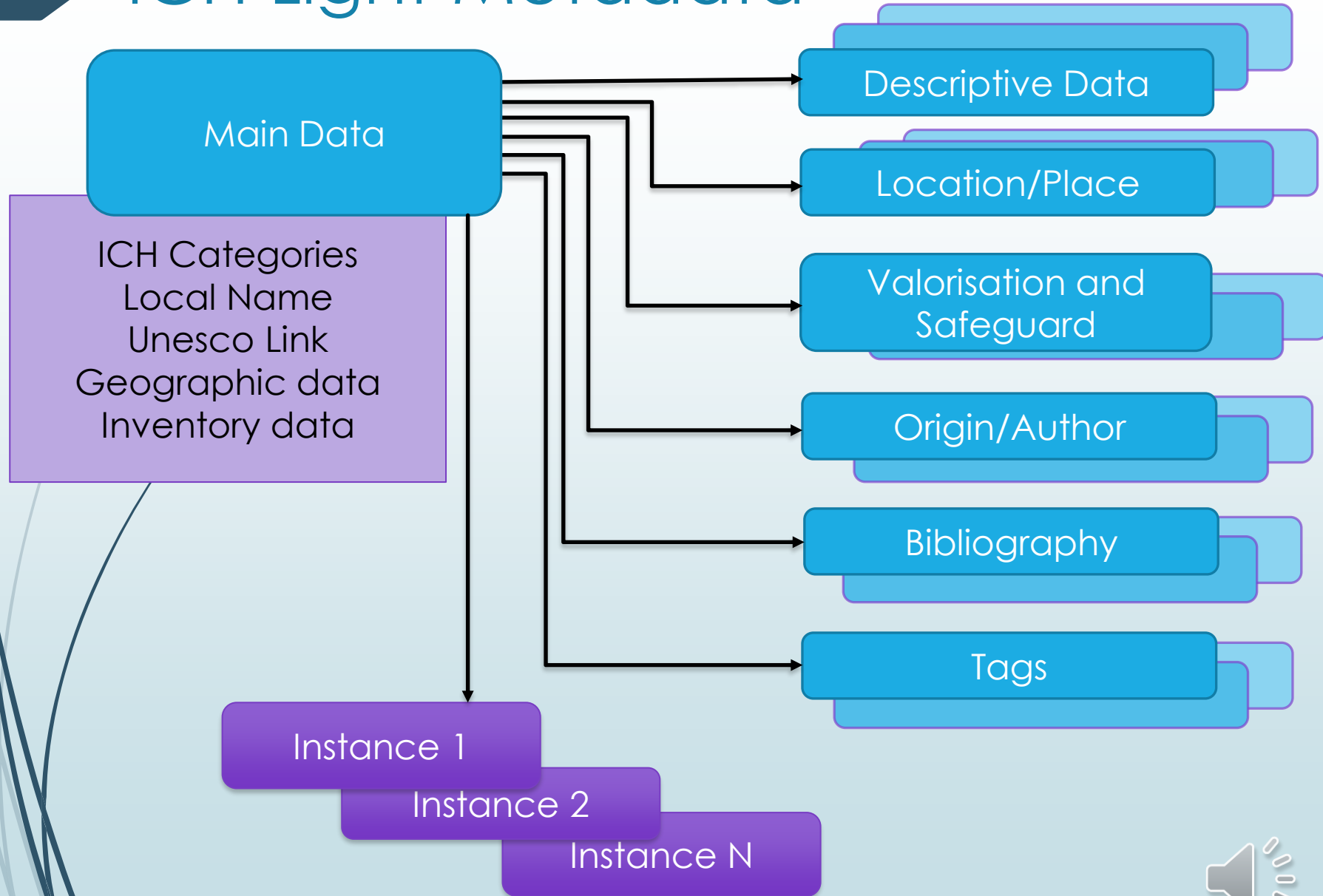
Is a long-standing principle within the Dublin Core and other cultural heritage metadata communities

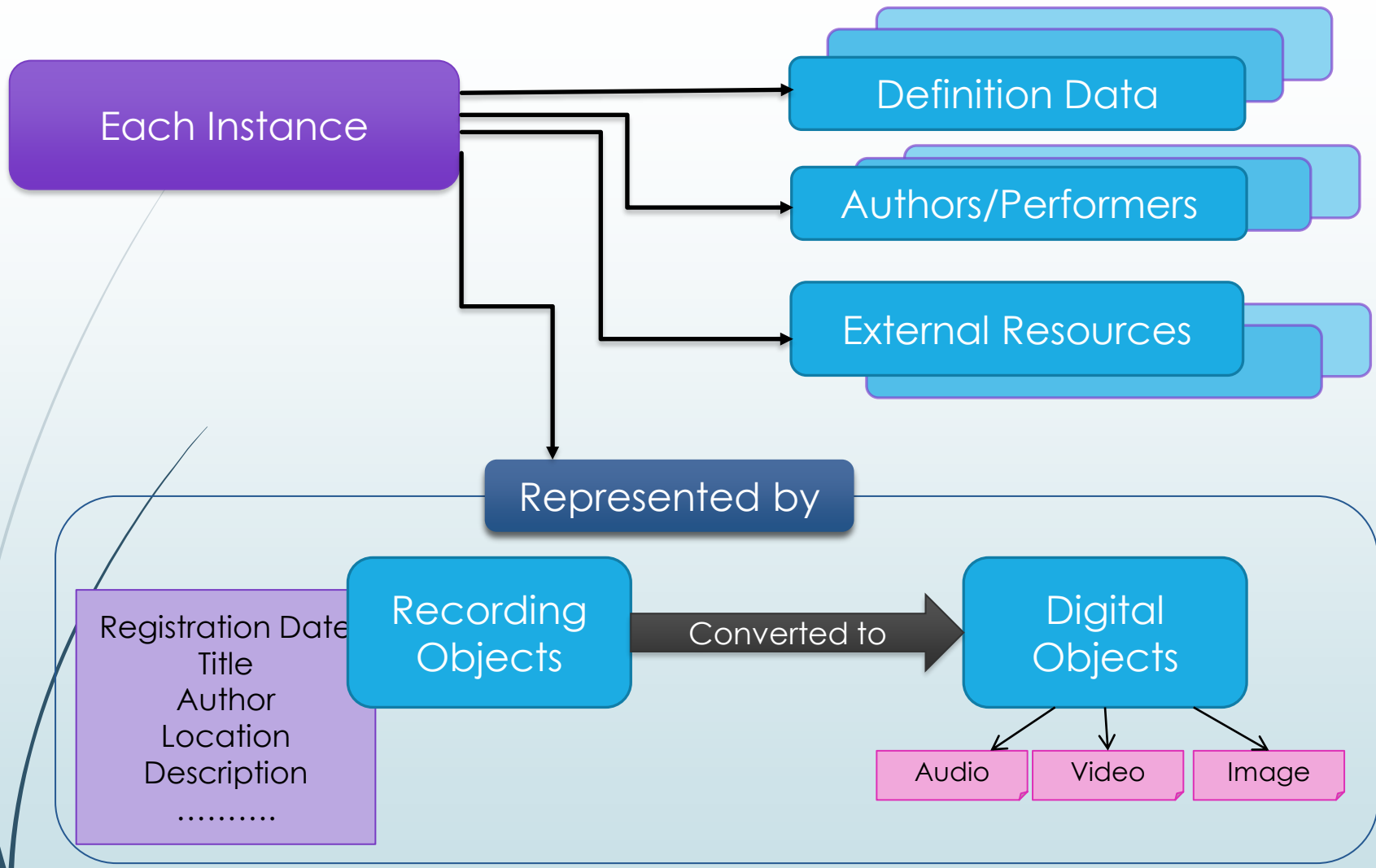
It is «the principle whereby related but conceptually different entities, for example a painting and a digital image of the painting, are described by separate metadata records»

1. Clearly identify physical and digital objects
2. Key issue to aggregate metadata for a single cultural heritage object
3. Key issue to link item-based metadata and web resources

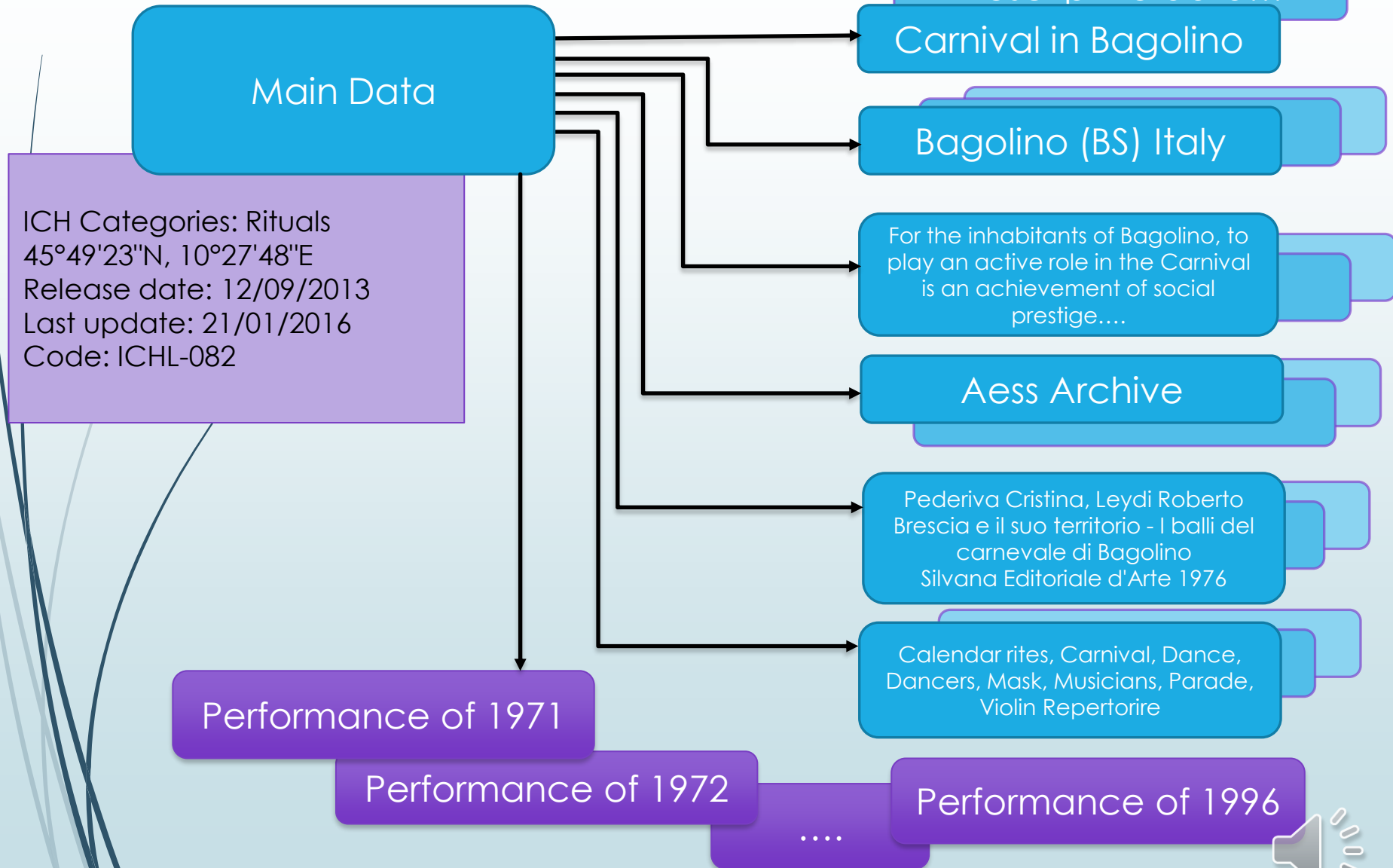


# ICH Light Metadata





# Bagolino Carnival



Performance of 1973

Carnival of 1973

Local Community

External Link to associations

Represented by

1973  
Dancer Portrait  
Scianna Ferdinando  
Bagolino  
Wood carved mask  
of a dancer  
.....

Recording Objects

Converted to

Digital Objects



| DOCL | DOCP | DOCV   | DOCW  | DOCR | DOCD | DOCA       |  |
|------|------|--------|---|------|------|------------|--|
| ENG  | IMG  | Locale | http://arm.mi.imati.cnr.it/multimedia/intangible_ich/Ich/preview/TOK-105475.jpg | S    | 01   | 05/03/1973 | Carnevale di Bagolino. Ritratto di ballerino [Scianna Ferdinando] Bagolino (B5)          |
| ENG  | IMG  | Locale | http://arm.mi.imati.cnr.it/multimedia/intangible_ich/Ich/preview/TOK-105470.jpg | S    | 03   | 05/03/1973 | Carnevale di Bagolino. Ballerini. Un momento di danza [Scianna Ferdinando] Bagolino (B5) |
| ENG  | IMG  | Locale | http://arm.mi.imati.cnr.it/multimedia/intangible_ich/Ich/preview/TOK-105477.jpg | S    | 04   | 05/03/1973 | Carnevale di Bagolino. Ballo in strada [Scianna Ferdinando] Bagolino (B5)                |
| ENG  | IMG  | Locale | http://arm.mi.imati.cnr.it/multimedia/intangible_ich/Ich/preview/TOK-105473.jpg | S    | 05   | 05/03/1973 | Carnevale di Bagolino. Segnacole [Scianna Ferdinando] Bagolino (B5)                      |
| ENG  | IMG  | Locale | http://arm.mi.imati.cnr.it/multimedia/intangible_ich/Ich/preview/TOK-105467.jpg | S    | 06   | 05/03/1973 | Carnevale di Bagolino. Suonatori [Scianna Ferdinando] Bagolino (B5)                      |
| ENG  | IMG  | Locale | http://arm.mi.imati.cnr.it/multimedia/intangible_ich/Ich/preview/TOK-105469.jpg | S    | 07   | 05/03/1973 | Carnevale di Bagolino. Ballerini [Scianna Ferdinando] Bagolino (B5)                      |
| ENG  | IMG  | Locale | http://arm.mi.imati.cnr.it/multimedia/intangible_ich/Ich/preview/TOK-105471.jpg | S    | 08   | 05/03/1973 | Carnevale di Bagolino. Bambini ballano in piazza [Scianna Ferdinando] Bagolino (B5)      |
| ENG  | AUD  | Locale | http://arm.mi.imati.cnr.it/multimedia/intangible_ich/Ich/preview/TKD-24825.mp3  | S    | 20   | 05/03/1973 | Canzone ariosa [Suonatori di Bagolino] Bagolino (B5)                                     |
| ENG  | AUD  | Locale | http://arm.mi.imati.cnr.it/multimedia/intangible_ich/Ich/preview/TKD-42244.mp3  | S    | 21   | 05/03/1973 | Canzone bal frances [Suonatori di Bagolino] Bagolino (B5)                                |
| ENG  | AUD  | Locale | http://arm.mi.imati.cnr.it/multimedia/intangible_ich/Ich/preview/TKD-42249.mp3  | S    | 22   | 05/03/1973 | Canzone tunina [Suonatori di Bagolino] Bagolino (B5)                                     |
| ENG  | AUD  | Locale | http://arm.mi.imati.cnr.it/multimedia/intangible_ich/Ich/preview/TKD-19153.mp3  | S    | 23   | 05/03/1973 | Canzone biundina [Suonatori di Bagolino] Bagolino (B5)                                   |
| ENG  | AUD  | Locale | http://arm.mi.imati.cnr.it/multimedia/intangible_ich/Ich/preview/TKD-19422.mp3  | S    | 24   | 05/03/1973 | Canzone francischetta [Suonatori di Bagolino] Bagolino (B5)                              |





## Example: Bagolino Carnival

Different instances shown on a timeline, using the registration date as index.







## Chamba Rumal: The Embroidery Art of Himachal Pradesh

VISUAL AND MATERIAL ARTS

*in* Module

*Published on:* 25 August 2020



**Rupsa Nag**

Rupsa Nag has a Masters degree in Comparative Literature from Jadavpur University, Kolkata. She is currently enrolled in the Korean Language Diploma Course at Jadavpur University, Department of Linguistics. She is a freelance writer, translator and art enthusiast.

WEAVING

CRAFT

PAINTING

HIMACHAL PRADESH

WOMEN

PAHARI PAINTING

# Chamba Rumal: The Embroidery Art of Himachal Pradesh

From Sahapedia: how to fit data into ICH Light metadata



## Articles



Rupsa Nag

### Chamba Rumaal: An Interplay of Literature and Paintings

VISUAL AND MATERIAL ARTS

## Image Galleries



Rupsa Nag

### Chamba Rumaal: An Image Gallery

## Videos



### In Conversation with Chamba Rumaal Artists: Evolution, Revival and Future

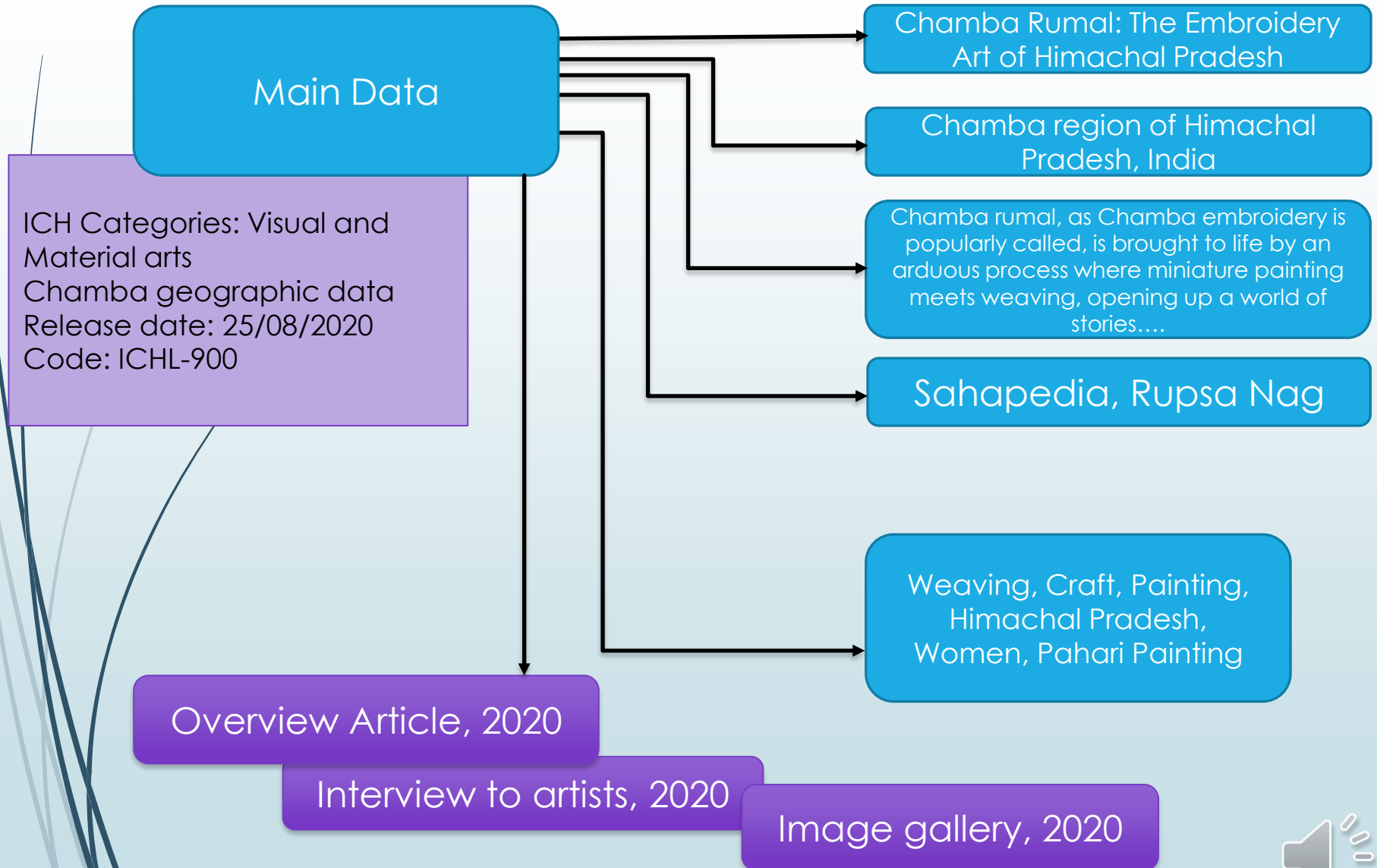
VISUAL AND MATERIAL ARTS

In Sahapedia this ICH entity is linked to other objects:

1. An overview article
2. An Image gallery
3. A video with interview



# Chamba Rumal: The Embroidery Art of Himachal Pradesh



Overview Article,  
2020

Chamba Rumal: An  
Interplay of Literature and  
Paintings

Rumal is 'an impressively designed and embroidered fabric used as a gift wrap.' [1] Chamba rumal, as Chamba kasidakari/ kadhai (embroidery) is popularly called, is a part of the larger Pahari craft tradition of Himachal Pradesh practised mostly by women since time unknown.....

Sahapedia, Rupsa Nag

Represented by

2020, August  
Chamba's tradition  
embroidered  
wedding cholis  
cap for newborns  
Parikshit Sharma  
.....

Recording  
Objects

Converted to

Digital  
Objects



Interview to artists,  
2020

In Conversation with  
Chamba Rupal Artists:  
Evolution, Revival and  
Future

Embroidery artists Rajinder Kumari Nayyar, Indu Sharma, Pinky Sharma and Heena, along with miniaturist Parikshit Sharma, discuss the various techniques peculiar to Chamba rupal making as well as the challenges faced by artists today.....

Sahapedia, Rupsa Nag

Represented by

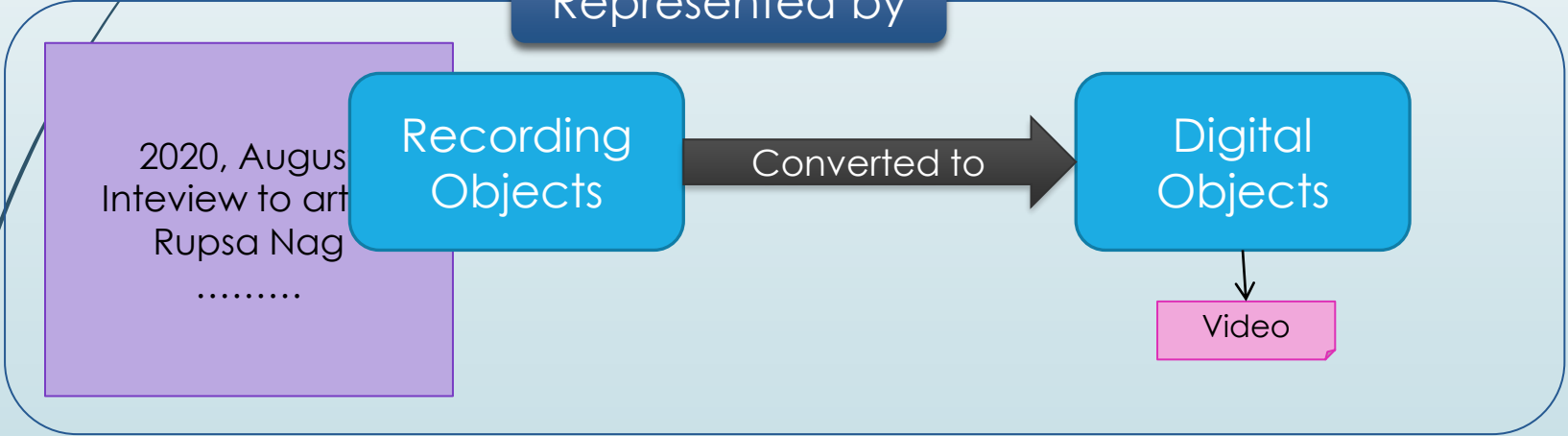


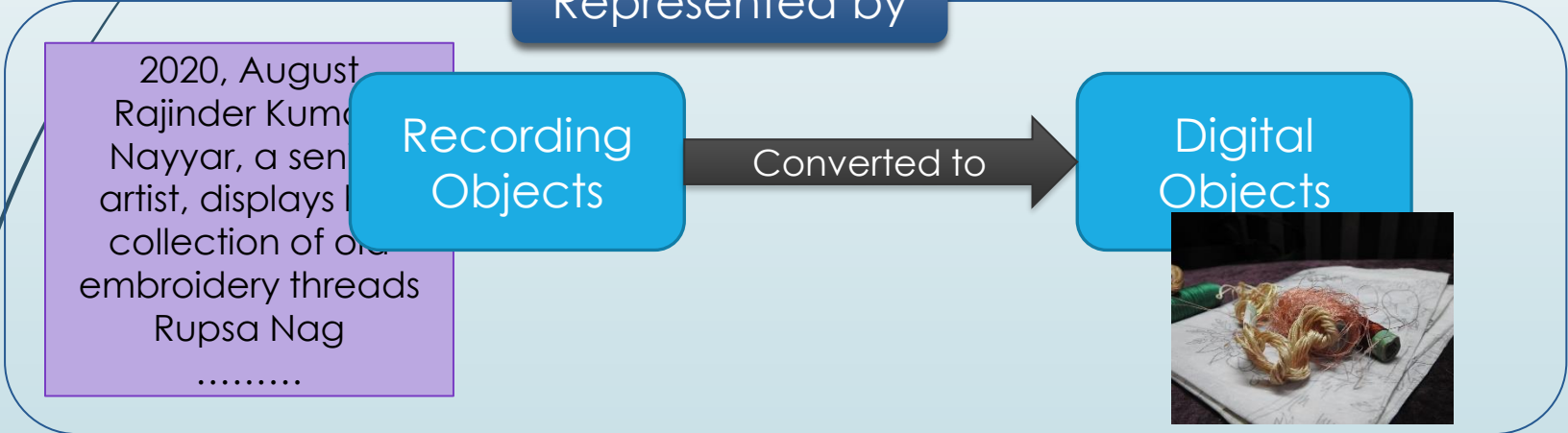
Image Gallery, 2020

Chamba Rumal: An Image Gallery

Chamba rumal involves several arts in its making. The fabric, usually fine khaddar or muslin, is painted on by a miniaturist and embroidered by the embroidery artist, making it a collaborative effort.....

Sahapedia, Rupsa Nag

Represented by





# Future developments

- ▶ Test ICH Light metadata using other inventories such as
  1. ICH Scotland
  2. the German Nationwide Inventory of Intangible Cultural Heritage
  3. Living Traditions in Switzerland
- ▶ Detail the transformation from the ICH Light metadata to RDF format, using the recommended ontologies, to formulate all the properties needed to produce Linked Open Data





# Thank you

## Contacts:

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Isabella Gagliardi    [gagliardi@mi.imati.cnr.it](mailto:gagliardi@mi.imati.cnr.it)

## QueryLab Prototype

<http://arm.mi.imati.cnr.it/querylab>

## Multimedia Information Systems@IMATI-CNR

<http://arm.mi.imati.cnr.it/mislab>

