



La piattaforma I-Media-Cities per ecosistemi culturali flessibili e aperti

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Cineca

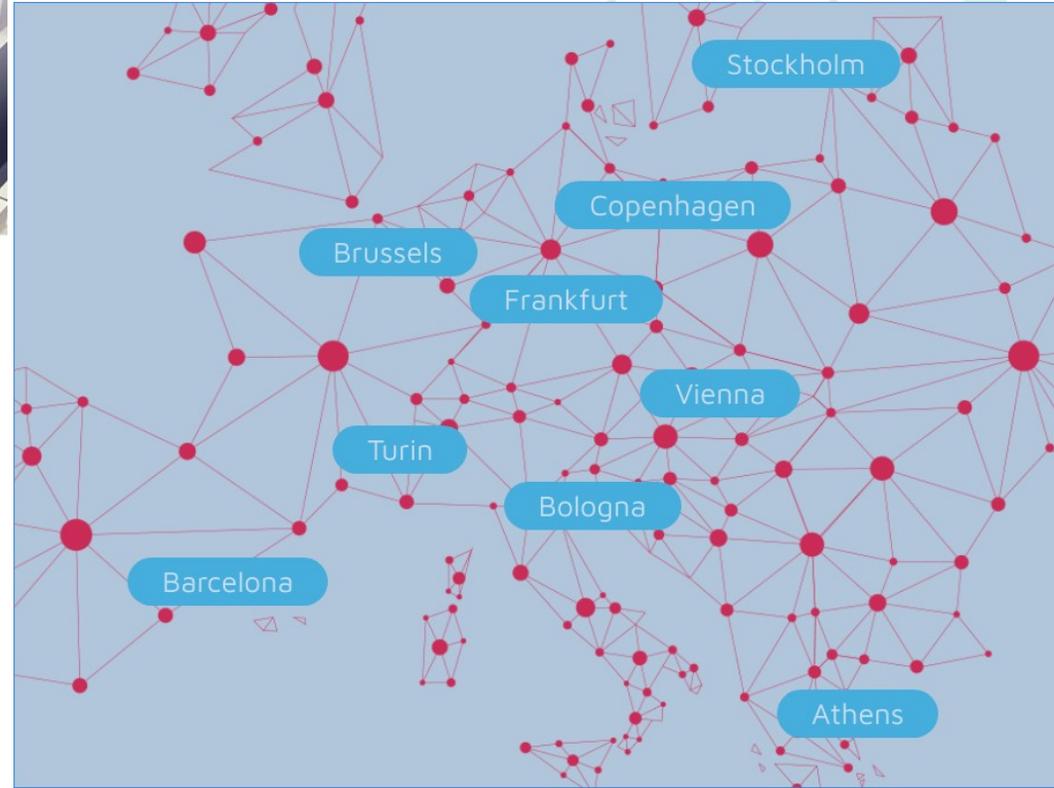
I-Media-Cities e gli ecosistemi digitali di tipo culturale



I-Media-Cities is a research collaboration between



I-Media-Cities is an ambitious and innovative research project that aims at providing access to historically unique digital films and photos of 9 European cities, inviting new approaches to multidisciplinary research on this content, while also stimulating business innovation and improving overall accessibility of European cultural heritage.



Un ecosistema digitale può essere definito come un sistema **socio-tecnologico aperto, distribuito, adattivo**, con proprietà di auto-organizzazione, scalabilità e sostenibilità ispirate agli ecosistemi naturali

I-Media-Cities objectives

To provide to **Researchers and citizens** a platform where **access to large collections of EU Cities**

To implement an **innovative tool for metadata management**

to implement a **semantic search engine for the discovery of information at shot, segment and frame level**

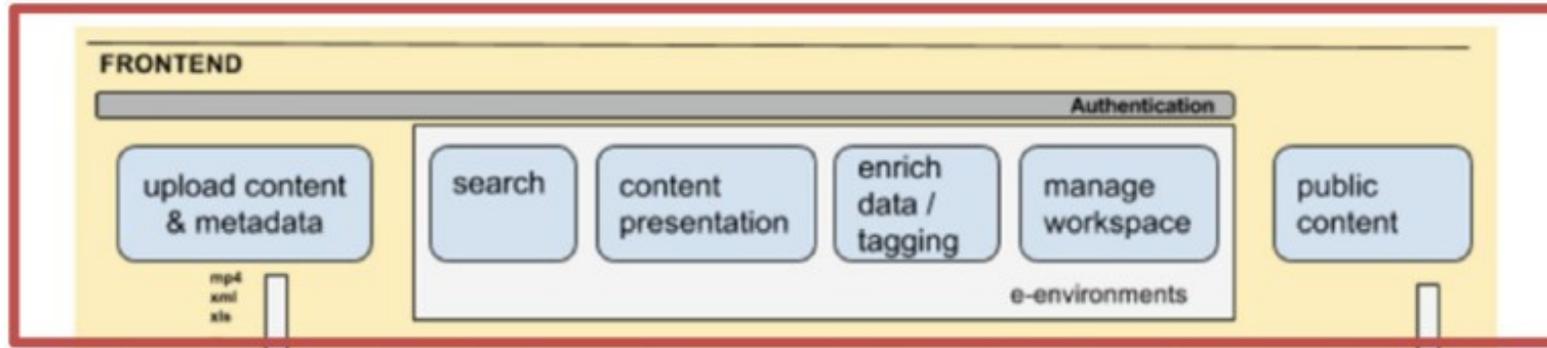
to integrate **AI and Deep learning tools for the automatic shot and annotation detections**

To provide users with **new levels of interactivity**, allowing tagging and annotation

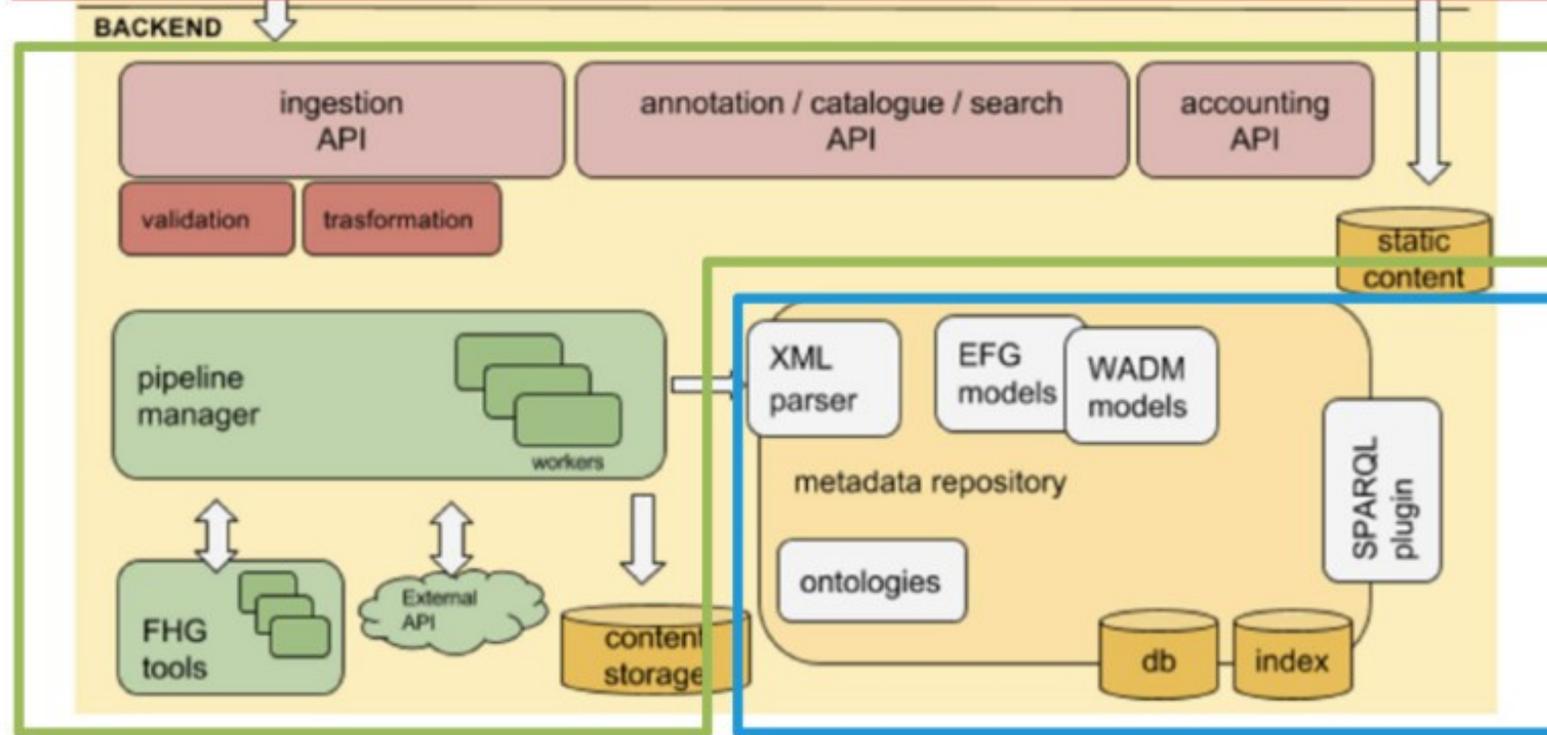
To design and implement **new ways of dynamically displaying and visualizing rich AV content and metadata**

Achitecture Overview

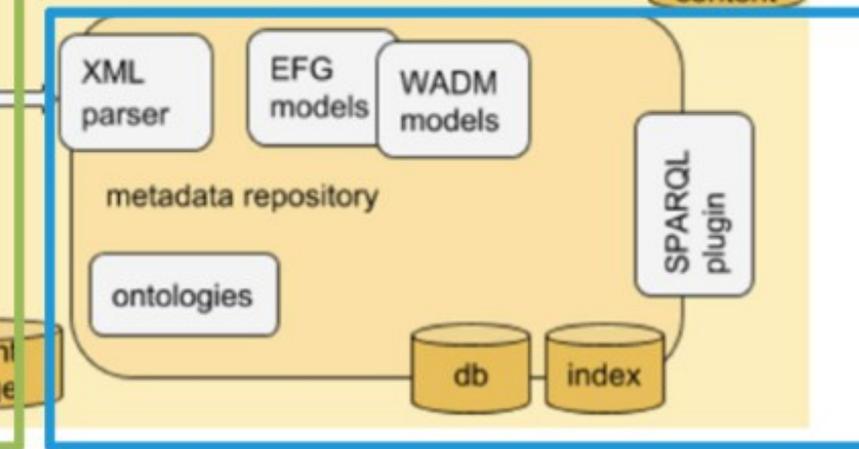
Presentation layer



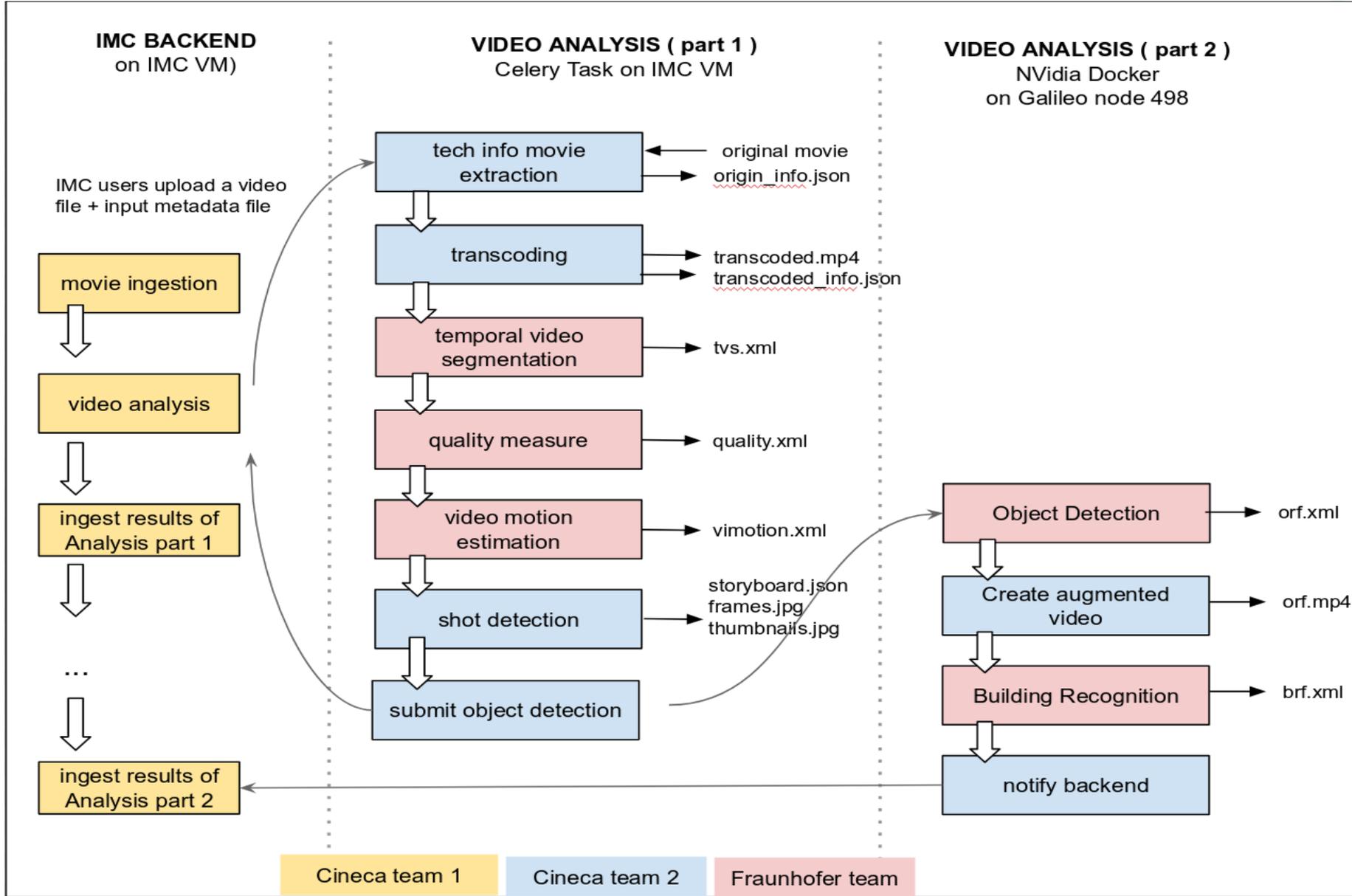
Business layer



Data access layer



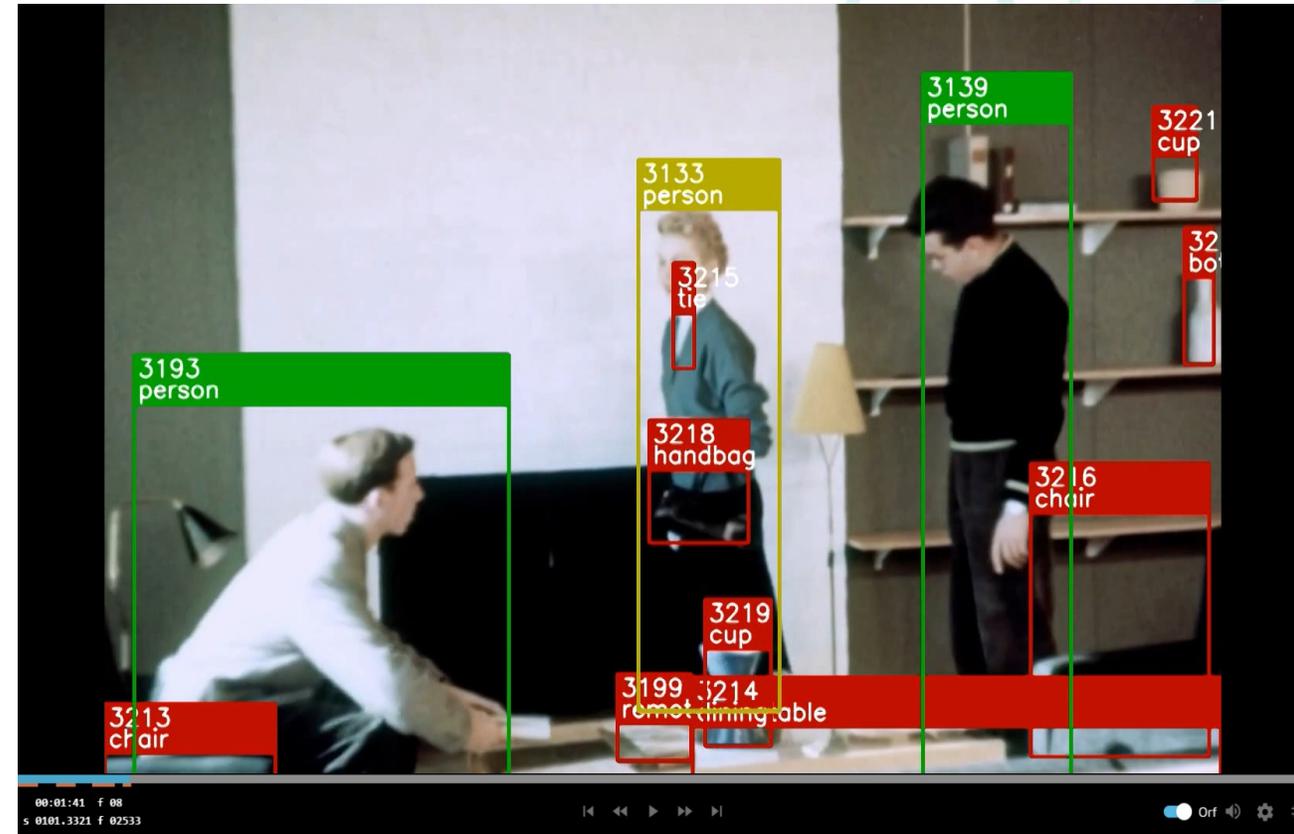
Movie Processing Pipeline



Perché Supercalcolo? Strumenti di annotazione automatica

10000 elementi processati per un tempo di calcolo di circa 15000 ore

	# Anno	# Distinct Terms
Term Tag (manuali)	59457	1708
Term Tag (auto)	422123	78
Geo Tag	6411	1091



I-Media-Cities e User Experience (1/3)

Refine your Search

Look within results

Content type

Terms

Search by term

Activities

Buildings & structures

Events

Film technique

Means of transportation

Nature

Objects

Organisations & ideologies

City

Bologna

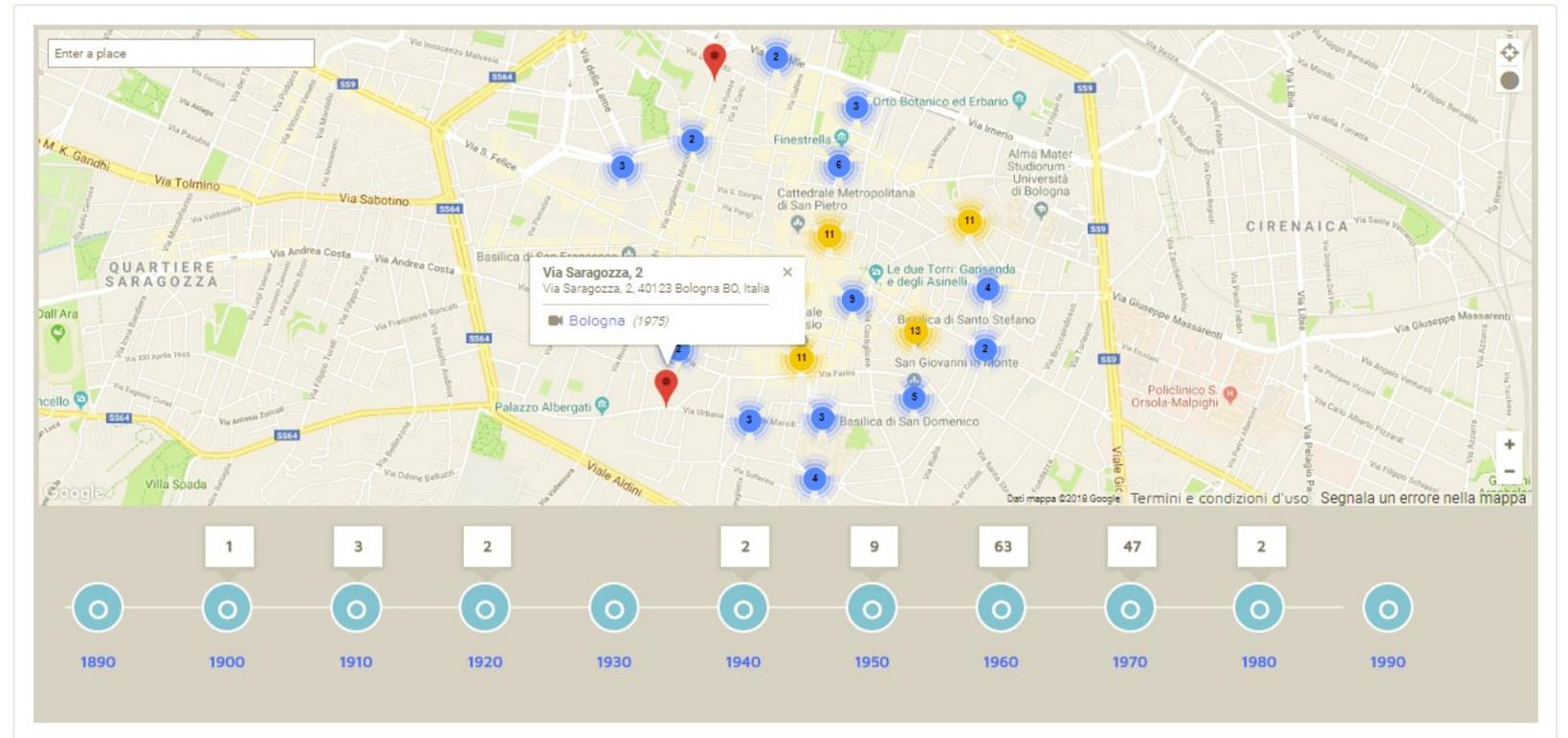
Production Date

Year range 1890 1999

Rights Status

Reset Update

129 results Display



Sette metri d'asfalto (1954)

Geo Annotations

Piazza della Mercanzia (shot: 13335-13492)

Chiesa dei Santi Bartolomeo e Gaetano (shot: 13644-13855)

Margherita Lenzi (2018-02-01 10:48)

Margherita Lenzi (2018-02-01 10:51)

Monica Ferrarini

Avventura sulla strada, I' (1969)

Geo Annotations

Piazza Del Martiri (shot: 18943-19017)

Piazza Maggiore (shot: 245-300)

Margherita Lenzi (2018-03-02 12:55)

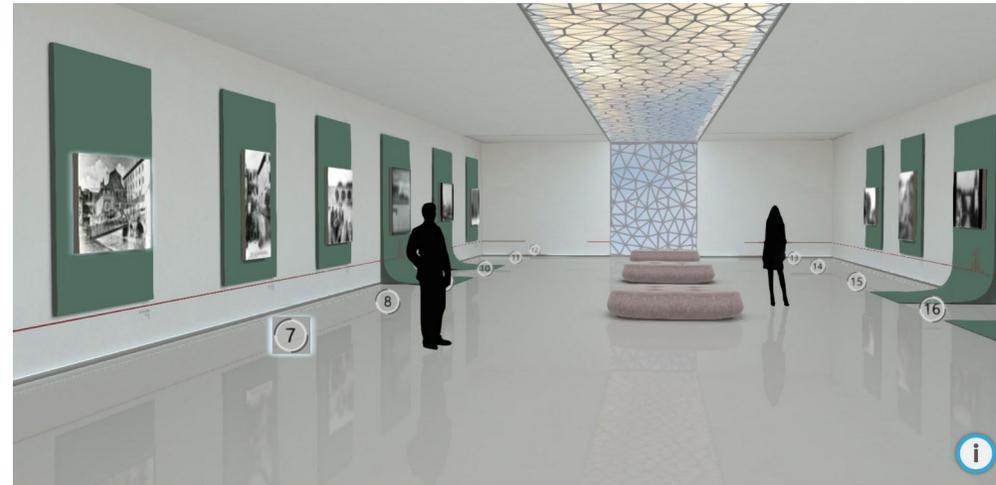
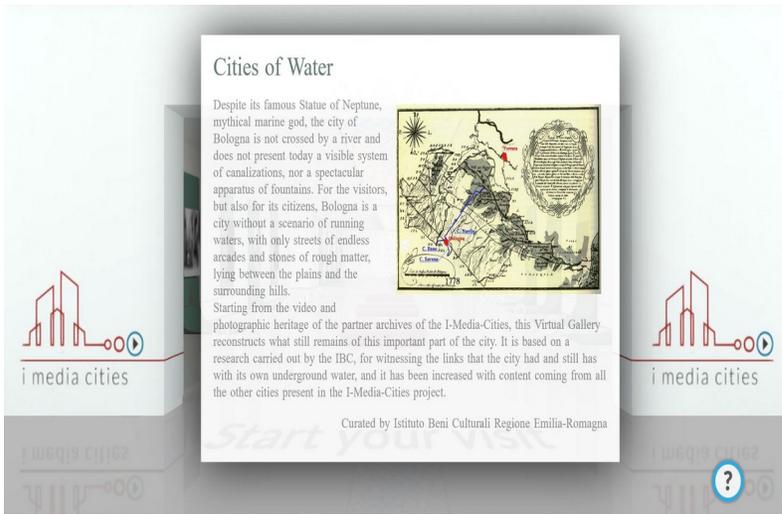
Margherita Lenzi (2018-03-02 13:13)

Margherita Lenzi

I-Media-Cities e User Experience (3/3)

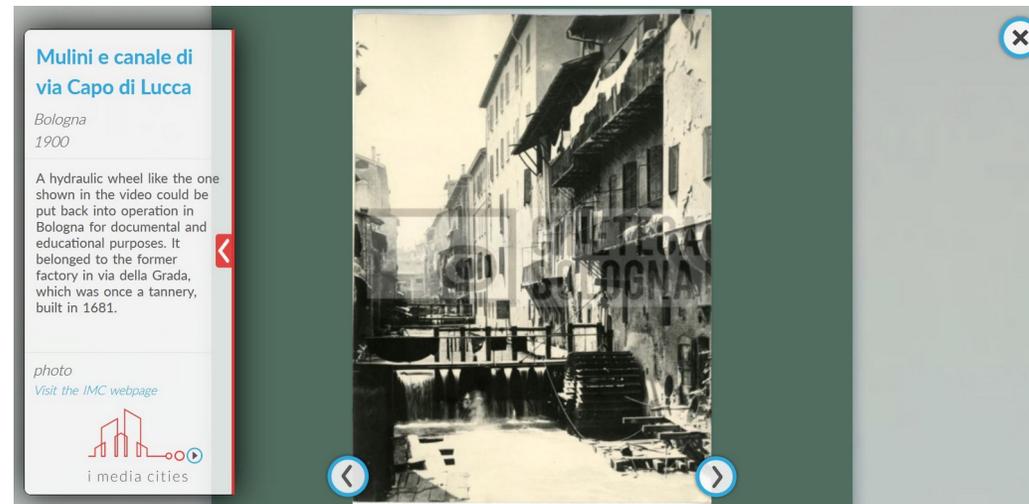
The screenshot displays the I-Media-Cities web application interface. At the top, there is a navigation bar with links for 'Upload', 'Catalog', 'Users', 'Groups', and 'Archive'. The main content area is titled 'Bologna monumentale' and includes a location pin for 'Bologna - 1912' and a count of '53 annotations'. A video player is visible, showing a scene from a historical film. An 'Add Tag' dialog box is open, displaying a 'Shot: 10' with a video thumbnail and technical details like 'frame-range: 3626-3831' and 'duration: 08.54s'. To the right of the dialog is a 'Vocabulary' menu with categories such as 'spaces', 'buildings & structures', 'activities & events', 'people', 'film technical & style', 'transport & vehicles', 'nature', 'objects', 'signs & symbols', 'time & period', and 'organisations & ideologies'. A search bar within the dialog shows the query 'washerwoman' and a list of results including 'washerwoman', 'Washerwoman' (painting by Jean-Baptiste-Camille Corot), 'Washerwoman' (painting by Marià Fortuny), 'Washerwoman' (painting by Théophile Steinlen), 'Washerwoman' (Wikipedia disambiguation page), 'Washerwoman' (painting by Jean-Siméon Chardin), 'Washerwoman (La lavanderia)' (painting by Jean Charlot), 'Washerwoman and Child' (painting by Pierre-Auguste Renoir), 'Washerwoman at a Tank with a Distant View of Tivoli' (painting by William Havell), and 'Washerwoman Falls'. Below the dialog, a search bar for tags is visible, showing a list of tags like 'Arco Del Meloncello', 'Basilica di San Francesco', 'Bologna', 'canal', 'Canale delle Moline', 'carriage', 'cart', 'church', 'Cloister', 'Fontana del Nettuno', 'fortification', 'fountain', 'grave', 'horse', 'interbille', 'La sette Chiese', 'marquee / shop sign', 'Mura di Porta Saragozza', 'Palazzo d'Accursio', 'Palazzo Salina', 'park', 'pedestrians', 'pedestrians', 'Piazza Galileo', 'Piazza Maggiore', 'Piazza Minghetti', 'Porta Galliera', 'Porta San Donato', 'Portico', 'portico', 'Reno', 'Scalinata Del Pincio', 'Smoke', 'square', and 'statue'. The bottom of the interface shows a 'General Info' tab with 'Titles' and 'Description' fields.

Virtual Collection Creator Tool



Interazioni

Mostre tematiche a partire da collezioni



Visualizzazione dei metadati

I-Media-Cities per il progetto DARE

The screenshot displays the I-Media-Cities application interface. At the top, the browser address bar shows the URL <https://imc.dare-ravenna.eu/app/catalog>. The application header includes the UIA logo and navigation links for 'Upload', 'My Workspace', and 'Catalogue'. A search bar is present with the text 'Search in title, keyword, description'. On the left, a 'Refine your Search' sidebar offers filters for 'Content type' (video and image icons), 'Terms' (with a search by term input), and a list of categories: Spazi, Edifici e strutture, Eventi, Attività, Persone, Mezzi di trasporto, Oggetti, and Segni e simboli. Below these is a 'Production Date' filter. The main content area shows '157 results' and a 'Display' toggle set to a grid view. Three video thumbnails are visible, each with a duration and a metadata tag: 'La flotta di Serafino' (02:25, SC-HM), 'La Darsena di Ravenna' (15:23, SC-HM), and 'Lavori di ricostruzione della Darsena nel secondo dopoguerra' (IBCR). Below the videos are three smaller image thumbnails.

- Soluzione open per la geo-referenziazione (Leaflet/OSM)
- Caricamento metadati mediante fogli excel
- Maggior supporto a I18N
- Modelli 3D

Grazie!

Contact Me
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The logo for 'i media cities' features a stylized red line-art building with three peaks. Below the building, the text 'i media cities' is written in a lowercase, sans-serif font. To the right of the text is a blue play button icon. The entire logo is centered within a white rectangular box that has a subtle drop shadow and is surrounded by various colorful icons of people's faces and abstract shapes.

i media cities

I-Media-Cities teaser trailer
Guarda su YouTube!