



europæana  
food and drink

**Grant Agreement 621023**

## ***Europeana Food and Drink***

# **Europeana Open Labs (new) Partnership Agreements**

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## D4.2 Europeana Open Labs (News) Partnership Agreements



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### Statement of originality:

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### 1 Introduction

This document describes the two locations identified for the new two Europeana Open Labs, and the Agreements between the new Open Labs undertaken by Work Package 4 of the Europeana Food and Drink Project. The primary aim of this work package is to create and promoting environments for collaboration and innovation between the Creative Industries and culture sector organisations. These environments will draw on and extend the network of Europeana Open Labs developed under the Europeana Creative project, creating two new labs to complement the existing 4 across Europe.

Under the Task 4.1: Growing the Europeana Open Labs Network, this Deliverable describes the identified two new Europeana Open Labs locations and the approach on how the new Labs will be arranged. Furthermore, it describes the Agreements between the new two Labs and the Europeana Food and Drink project. The idea is that the extension of the network of Open Lab will create adequate environments to encourage Creative Industry partners to re-use cultural heritage content for developing new ideas and applications as well as promote collaboration and innovation by exploiting digital contents made available on the Europeana network.

The following document includes:

- a description of the existing network of Europeana Open Labs developed under the Europeana Creative project
- the description of the first new lab called Open Lab Cultura (Rome- Italy), its mission, activities and business model.
- the description of the second new lab called Open Lab Heritage (Seville-Spain), its mission, activities and business model.
- the model of the Memorandum of Understanding chosen for the Agreements.

## 2 Europeana Open Labs network

Europeana Labs developed under the Europeana Creative project is a space for inspiration, innovation and sharing.

### 2.1 Europeana Labs Platform

The platform of the Europeana Labs is presented as a “playground for remixing and using cultural and scientific heritage. A place for inspiration, innovation and sharing”<sup>1</sup>.

The different sections permit to find API documentation and console, open source tools, featured datasets, an apps gallery, a blog, an incubation service; 4 locations of physical Labs.

### 2.2 The model of the Europeana Lab

The Europeana Creative Project defined a service model for the Europeana Open Labs, environments for the co-creation of new products and services based on digital cultural heritage (Europeana Creative Project, D1.1 e D1.2).

The integrated model includes interconnected physical spaces (locations) and online services (Europeana Labs).

The Europeana Open Labs Network is currently composed by four hubs. The first four partner hubs, physical spaces in the Europeana Open Labs Network, are:

- i-Matériel.Lab | Paris

i-Matériel.Lab is the “user driven innovation platform”<sup>2</sup> dedicated to Cultural Heritage and Tourism. It is specialized in mobile products and services (Smartphones, touch screen Tablets and Smart Objects) .

- AALTO Fab Lab | Helsinki. Website:fablab.aalto.fi

FabLab is a small-scale “workshop for digital fabrication”<sup>3</sup>. In a Fablab you can find machines such as the lasercutter, vinyl cutter, desktop CNC milling machine and 3D printer and electronics prototyping equipment. FabLabs aim to make this equipment available to everyone, not just students of art, design and engineering.

- Future Classroom Lab | Brussels. Website: fcl.eun.org

The Future Classroom Lab is a “reconfigurable, teaching and learning space”<sup>4</sup> developed by European Schoolnet, its 30 supporting Ministries of Education and leading educational technology providers. It has been designed as a “Living Lab’ for how ICT can be implemented in schools.

- YOUCOOP Platoniq | Palma. Website: www.youcoop.org

Platoniq collaborates with lots of cultural and social collectives, nationally and internationally, in the area of ICT development, to “promote free and open

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<sup>1</sup> <http://labs.europeana.eu>

<sup>2</sup> Europeana Labs Website, <http://labs.europeana.eu/locations/imateriel/>

<sup>3</sup> Europeana Labs Website, <http://labs.europeana.eu/locations/aalto/>

<sup>4</sup> Europeana Labs Website, <http://labs.europeana.eu/locations/future-classroom-lab/>

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culture and citizen's participation"<sup>5</sup>. Platoniq cooperates with public institutions, universities and companies with affinity for the collaborative economy's philosophy and the principles of free knowledge.

Their co-creation services are classified in a shared menu, characterizing the model. These modular services are run in different ways by the various Labs, depending on their specialization.

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<sup>5</sup> Europeana Labs Website, <http://labs.europeana.eu/locations/platoniq/>

### 3 The new *Open Lab Cultura* at DigiLab.

The first new Europeana Open Lab is a physical lab situated in Rome, at the Interdepartmental Center for Research and Services of Sapienza University, DigiLab<sup>6</sup>.

#### 3.1 DigiLab

120 researchers participate in DigiLab, from the following Sapienza Departments:

- Ancient world studies;
- Art history and performing arts;
- Classic and modern studies;
- Communication and Social Research;
- Computer, Control and Management engineering;
- Computer Science;
- Document studies, linguistics and geography;
- European, American and intercultural studies;
- History, cultures, religions;
- Information Engineering, Electronics and Telecommunications;
- Philosophy;
- Statistical Sciences.

DigiLab is strongly characterized by a multidisciplinary approach, fostering educational projects, research and services for the cultural heritage field and for technologies applied to cultural activities, to exploit the integration of technical skills, science, art and humanities.

It is directed by Prof. Giovanni Ragone (Director) and by a Directive Committee. The management is entrusted to the Executive Coordinating Committee, representing the three areas:

- Digital Curation Area, including the Digitizing and Metadating Lab;
- Education Area, with the E-learning Lab
- Area Open Lab Cultura, including the other DigiLab projects.

In the Open Lab Cultura are located the following labs:

- Gamification Lab
- User Experience Lab
- Archeo&Arte3D Lab

National and international research institutions, companies, industry associations, local and national governmental institutions cooperate in DigiLab projects inside the laboratories.

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<sup>6</sup> <http://digilab.uniroma1.it>



research networks government agencies cultural institutions

# DigiLab Sapienza

12 Departments 120 Researchers

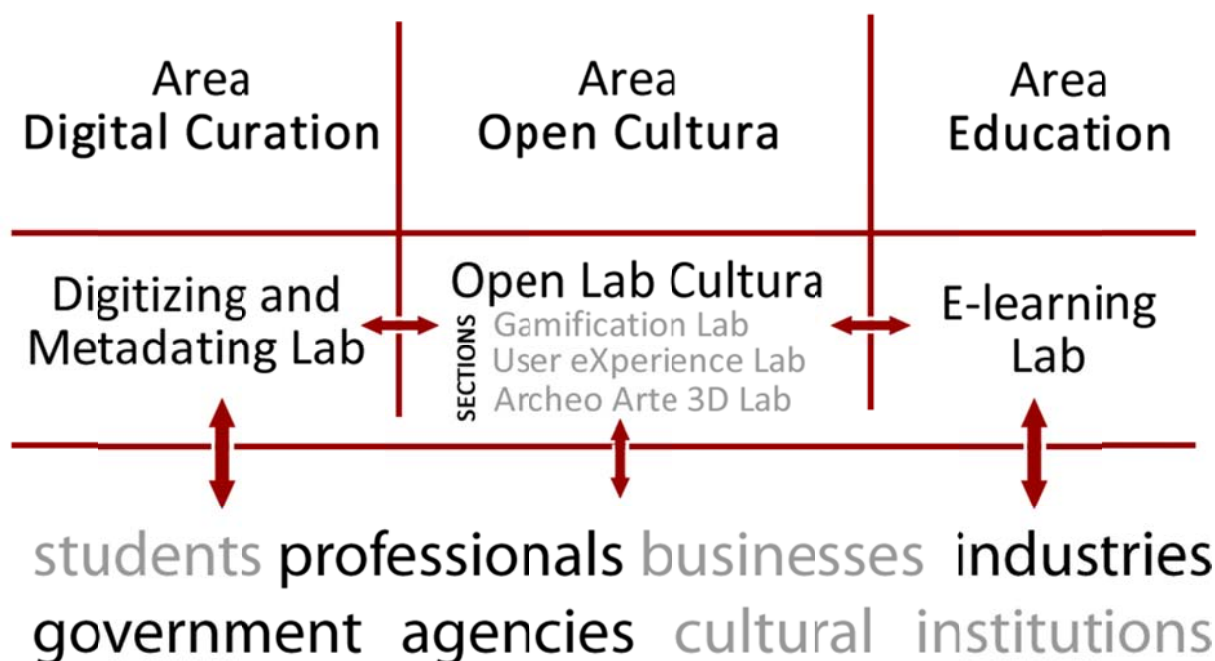


Figure 1: Design and research activities in DigiLab. Areas, labs and relations with stakeholders

## 3.2 Open Lab Cultura

The Open Lab Cultura<sup>7</sup> is a space for research, design, experimentation and dissemination in DigiLab. It is part of DigiLab, Interdepartmental Center in Sapienza Università di Roma.

### 3.2.1 Goals and mission

The mission of the Open Lab Cultura is to exploit the multidisciplinary approach and the skill variety of DigiLab. In the laboratory scientific knowledge, technologies and methods are integrated with art and humanities. DigiLab researchers work together with the Lab stakeholders (students, professionals, small, medium and large companies, government agencies, museums, cultural institutions) activating an effective interplay of skills, experiences, approaches.

Its name (Open Lab Cultura) assumes a constant interplay between different disciplines and between different actors (Open), realizing projects with a sustainable experimentation (Lab).

<sup>7</sup> <http://digilab.uniroma1.it/centro/i-laboratori/openlab-cultura>

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All the activities in the Open Lab Cultura are necessarily:

1. Multidisciplinary: they put together skills, tools and methods related with arts and humanities (especially related to cultural heritage) and related to technology and science (focused on ICT sector).
2. Multi-actor: DigiLab researchers, engineers and technicians cooperate with one or more of the following group of non-academic stakeholders:
  - professionals;
  - companies (small, medium, large enterprises);
  - government Institutions;
  - cultural Institutions;
  - industry associations;
  - students.

Project-oriented: the process management aims to guarantee sustainability, support repeatability of activities and re-use of results, to control and to constantly improve quality of products and services over time.

### 3.2.2 Physical spaces and infrastructure

The Open Lab Cultura is located in the main DigiLab building, in via dei Volsci 122, Rome. It is a completely renovated building, opened in 2008; formerly it was the seat of Sciarra Glassworks Factory, historic industrial building.

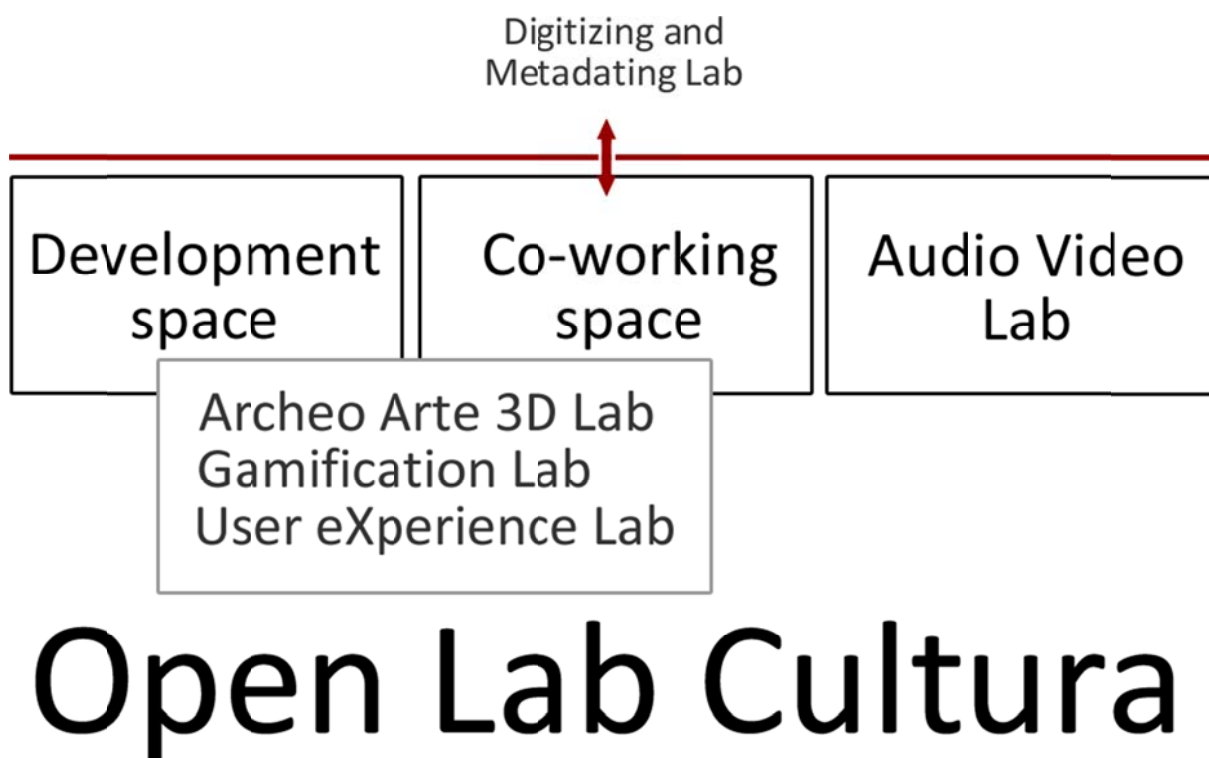
The total area of the Open Lab Cultura is about 155 square meters, composed of four different interconnected spaces:

- co-working space
- project development space
- audio-video Lab (articulated in two spaces)

Besides, a meeting and presentation room is available for the Open Lab Cultura, shared with the other DigiLab labs.

Further spaces in DigiLab can be used for workshops, events, conferences.

The co-working space is contiguous to the Digitizing and Metadating Lab, so it can host the design and communication activities related to that lab, too.



*Figure 2: Physical spaces in Open Lab Cultura*

### 3.2.2.1 Co-working space

The main interactions between DigiLab and partners are located in this room (n. 120), also used to present final and intermediate results to stakeholders.

In the space are available:

- 12 workstation (hardware and software), for students or other partners;
- further seats, equipped with wired and wireless connection, for partners using their own notebook or personal device;
- 3 advanced workstation, equipped with hardware and software for 3D modeling;
- hardware and software tools for task analysis and mobile task analysis;
- hardware and software tools for eyetracking research;
- tables, boards, projector.

The space organization supports workshops lead by a teacher/coach and activities based on horizontal cooperation between participants.

The co-working space is the main location for the three sections of the Open Lab Cultura:

- Gamification Lab
- User eXperience Lab
- Archeo & Arte3D Lab

### 3.2.2.2 Project development space

This large space, (room n. 111), is used by small groups working on medium-term projects, because they need a dedicated space for their activities over time.

This space is equipped with workstations.

### 3.2.2.3 Audio Video Lab

The Audio Video Lab for audiovisual production and post-production (room n. 109 and room n. 106) provides shooting, capturing and editing services for both digital and analogue audio-video. It is equipped with tools for professional shooting in indoor and outdoor environments (cameras, microphones, light control systems) and with an Avid XPress STUDIO editing system.

The workstations are also equipped with tools for audio capturing and editing and technologies for live streaming of events.

Inside the Open Culture Lab, the Audio Video Lab runs independent research projects and supports the documentation and audio-visual communication activities of the Gamification Lab, User eXperience Lab, Archeo & Arte3D Lab.

### 3.2.3 Open Lab Cultura Sections

The Open Lab Cultura is articulated in three sections, organizational units characterized by specific research lines and scientific coordinators; the sections share tools, methods and work areas.

#### 3.2.3.1 Archeo & Arte 3D

The Archeo & Arte3D Lab exploit the integration of advanced skills in the humanities (archaeologists, historians, art historians) and technical skills for 3D modelling. It especially tries to revalue Cultural Heritage and its historic and artistic context. Measurements and reconstructions of monuments and artefacts are performed in the lab using 3D graphics, interactive models, visualization apps, storytelling and multimedia platforms.

The laboratory makes use of low-cost technologies to support the needs of cultural institutions and users, while ensuring a high quality of its by-products and performance. Researchers usually prefer free-hand photogrammetry with simple digital cameras and small drones from low-cost aerial surveys. Free and open source software is used for data processing.

#### 3.2.3.2 Gamification Lab

The Gamification Lab is dedicated to research and education in the Gamification field, including games and digital simulations. In open workshops, researchers and students develop and test solutions for gamification, videogames, simulations and applications with high interactivity.

This Lab develops innovative forms of learning on-the-job, and research and development projects promoting interdisciplinary cooperation between researchers, students and companies, government agencies and financial professionals.

#### 3.2.3.3 User eXperience Lab

The User eXperience Lab runs research and design activities. The lab follows the various stages of design and development of a product / service: research on user needs to define the requirements, qualitative and quantitative surveys on target users, usability evaluations, customer satisfaction surveys; development of wireframes, low fidelity and high fidelity prototypes, final products. Different projects can use different methodologies, always involving users in the process to enhance the human centre design approach.

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Methods include, among others: task analysis, focus groups, card sorting, ethnographic research, interviews, Kano Model analysis, eye tracking research.

### 3.2.4 Activities and Services Offered

Regular activities in Open Lab Cultura can be grouped in five categories:

- project management activities: projects are assigned to a project manager and generally, to a specific section of the Lab (Gamification, User eXperience, Archeo&Arte3D) to develop knowledge and experiences consistently with the main research lines. There are several levels of coordination for ongoing projects, to foster synergies and prevent integration problems: the “section” level, the Open Lab Cultura level, the DigiLab Executive Coordinating Committee level.
- Research activities: even for projects not strictly characterized as “research”, the scientific coordination ensures the consistency of activities with the main research lines. At present, the main research lines are on 3D modelling and free-hand photogrammetry, gamification and simulations, user experience research supported by web analytics, virtual museums and exhibitions, second screen tv, social media and crowdsourcing, digital storytelling for cultural heritage.
- Learning (formal courses and informal activities): activities requiring the active involvement of users in the production of concepts, products and services can be run in the co-working space, supported by the technology available in the laboratory.

Every research and service project usually involves students or young researchers in formative programs, so the activities are always related to knowledge dissemination and learning processes.

- Fund raising: project managers constantly monitor calls for proposals and research programs, evaluating funding opportunities and developing project proposals, usually involving external partners.

Besides, the skills of DigiLab researchers and the projects results are communicated to private companies, public and cultural institutions, facilitating new contract opportunities for research and service.

- Networking activities and dissemination: several stakeholders participate in DigiLab dissemination events and visit the Lab, getting in touch with the results of research and training. Conferences and seminars are periodically organized to ensure communication both with other areas of DigiLab and with external partners.

Dissemination activities are supported by the Open Publishing unit in DigiLab.

#### 3.2.4.1 Online tools for activities

Several online tools are used in the research and service activities, focusing on open source software, platform using open standards and tools fostering online cooperation.

Sapienza Digital Library (SDL) is an important digital infrastructure for classification and communication of cultural heritage and scientific knowledge in Sapienza University; DigiLab is co-owner of the SDL. The digital archive is integrated with

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smart services for uploading digital content, web publishing, social sharing, digital rights management.

The Open Lab is involved in the usability evaluation of the user interface and user experience, supporting its continuous improvement. Besides, SDL assets are re-used in the Open Lab Cultura to support new services and research projects.

### 3.2.5 Users and Partners

The following groups are users of the Open Lab Cultura:

- 120 affiliated researchers, who can develop their own research initiatives and cooperate in a multidisciplinary and project-oriented environment;
- the whole community of Sapienza researchers, who can activate projects in the DigiLab Labs working with DigiLab resources
- students, within specific training activities, internship or research programs;
- professionals, small, medium and large enterprises that participate as project partners or as stakeholders in different technology transfer activities (tour of the labs, brainstorming with researchers and technicians, etc.)
- representatives of public and cultural institutions, to share knowledge and skills and to design joint cultural initiatives.

Public cultural institutions and small, medium and large enterprises are partners of the Open Lab Cultura in several projects. Among others: the main Italian broadcasting companies (Rai, Mediaset, LA7, Sky Italy, MTV, Fox, Discovery Channel), Telecom Italia, Corecom Lazio, ABI (Italian Banking Association), Ministry of Cultural Heritage, Italian Institute of Germanic Studies, AESVI (Italian association of videogame developers and publishers), UP (business incubator - crowd funding - seed capital), Imagimotion and TiconBlu (companies for videogames development), SWG (company for market research).

### 3.2.6 Business model

The physical spaces of the labs are provided by Sapienza University and DigiLab; human resources and equipment are funded by research projects and services.

Project managers are in charge of fund raising activities. They prepare project proposals for regional, national and international funding opportunities and propose DigiLab services to public and private entities.

Further revenue is generated with participant fees for training activities.

In some cases, the equipment is provided free of charge by the industrial partners, as part of the cooperation agreements.

### 4 Open Lab Heritage

The second Europeana Open Lab which has been constituted under the Europeana Food and Drink project is located in Seville, at the premises of the headquarters of the Andalusian Historical Heritage Institute.

#### 4.1 IAPH

The Andalusian Institute of Historical Heritage (IAPH) is the scientific body of the Andalusian Ministry of Education, Culture and Sport that works on the cultural heritage (CH). This public agency, that comprises all the cultural heritage disciplines, is a leading institution in the fields of CH research, documentation, cultural assets preservation, restoration, spreading and training and it is strongly committed to sustainable management of the cultural heritage as a social economic resource for the territories.

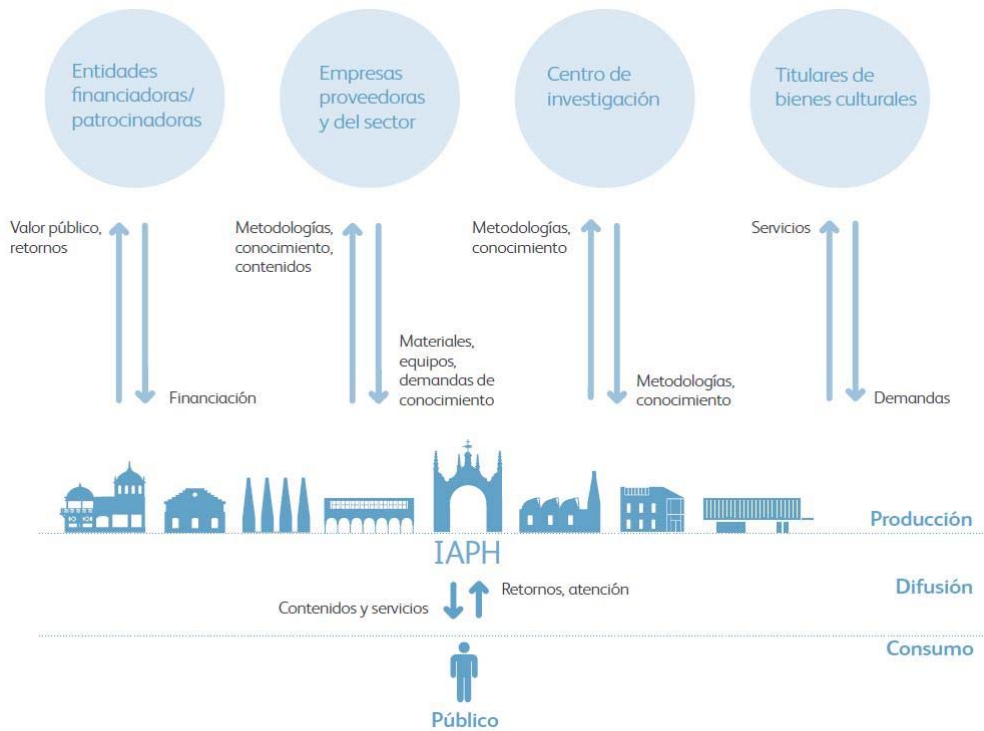
The IAPH has a multidisciplinary team of over one hundred professionals and researchers covering a wide range of disciplines.

The IAPH plays a multiple role in the innovation system of cultural heritage, having the capacity to disseminate their own capabilities and results and those of other knowledge-generating agents (universities, research organizations).

The IAPH, therefore, is set as:

- an agent of the scientific and technological environment, carrying out R&D activities.
- a provider of high technological added-value services, including advanced training for other companies and organizations.
- a knowledge-based institution capable of generating and manage specialized high quality contents.
- an innovative entity that incorporates new knowledge for the protection, conservation, restoration, management, dissemination and valorisation of cultural assets.

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**Figure 3: IAPH's transfer structure and relationship with stakeholders**

### 4.2 Open Lab Heritage

The Open Lab Heritage is integrated in the IAPH as a space to promote the creative use of cultural assets information, tools and techniques used for its conservation, management and dissemination.

#### 4.2.1 Goals and mission

The mission of the Europeana Open Lab Heritage is to promote inspiration, innovation and participation in the use of cultural heritage quality digital content in Andalusia, using the stakeholders' network and the multidisciplinary capabilities of IAPH.

The Open Lab Heritage facilitates the exchange of knowledge between the cultural sector and the corporate sector linked to ICT and Creative Industries. It is conceived as a space for generating synergies and to materialize collaborative opportunities, through the development of applications and services with high added-value.

IAPH researchers and technicians work together with different stakeholders in order to promote the re-use of heritage-related knowledge and tools.

The objectives of the Open Lab Heritage are aligned with the capabilities deployed by the IAPH as an excellence institution, which can be resumed as multidisciplinary, specialization and transfer capacity.

#### 4.2.2 Physical spaces and Infrastructure

The Open Lab Heritage relies on the first class facilities available in the IAPH headquarters in Seville for the development of investigation and collaboration. The IAPH is located in the Santa María de las Cuevas monastery, rehabilitated on the occasion of the 1992 World Exhibition. It has a total available space of 6,730 m<sup>2</sup>.



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The IAPH has six units of conservation and restoration perfectly equipped to encompass the intervention on all kinds of moveable goods:

- Sculpture workshop
- Painting workshop
- Textiles workshop
- Graphic & Documental Heritage Workshop: documents, books, drawings and graphic works
- Archaeological heritage workshop: mural painting, stucco, stone material, mosaic tiles, archaeological ceramics and glass
- Silversmith workshop

Besides, the IAPH offers its laboratories of chemical, biological and geological analysis with the most advanced equipment for the application of techniques of scanning trough electron microscopy, gas chromatography, infrared spectrometric, climatic tests, etc.

Open Lab Heritage makes use of the most up-dated equipment for the development of documentation techniques based on image treatment: multiresolution photography, high resolution photography, panoramic photography, high dynamic range, photogrammetry, multispectral imaging (infrared, ultraviolet), endoscopy, X-ray, immersive videos, aerial photography, etc.

Open Lab Heritage brings together expertise and tools in collaborative spaces to encourage the re-use of culture.

### 4.2.2.1 Co-working space

The Open Lab Heritage has a co-working space at the computer room on the ground floor of Building A. This space has available:

- 8 computers
- 1 switch and wired connections
- wireless connection
- 1 video projector

### 4.2.2.2 Project development space

There are several areas used by the Open Lab Heritage to work with stakeholders associated with the various projects and activities developed. The use of these spaces depends on the profile of the internal team involved. Spaces for project development are basically:

- B. Building. Ground Floor. Meeting room.
- Administration Building. First Floor. Meeting room.
- Lay Brothers' Cloister. First floor. Meeting room.
- Lay Brothers' Cloister. Ground floor. Meeting room.

The spaces are already equipped with the needed materials and facilities for co-design activities, including specialised services. All rooms are fully equipped with internet connections, whiteboards, TV screens, projectors, etc.

### 4.2.3 Activities and Services Offered

This Open Lab offers services based on the infrastructure and capabilities of the IAPH for research and dissemination and high quality digital cultural contents.

- Participation in joint research projects with private companies and research groups.
- Technical services provided to owners of cultural assets: applied research projects; analysis and diagnosis of the state of conservation of sites and monuments; monitoring services of monuments. Development of Heritage Information Systems; specialized thematic dissemination products; Project Documentation of Cultural Heritage (studies, records and inventories); advice on Cultural Heritage and Information Systems; Recommendations in the field of registration and documentation of cultural heritage.
- R&D contracts and capacity transfer to public and private stakeholders.
- Training activities for professionals. Practices for undergraduate and postgraduate students.
- Project management and fund raising activities.
- Networking activities: Participation in national and international networks of cultural organizations that manage cultural heritage. Staff exchanges with research centers and private companies.
- Diffusion activities: books, conferences, open-days, science week, workshops.

Open Lab Heritage proposes new channels for commercial exploitation of CH information, implementing experimental development projects that may lead to new technological applications.

Open Lab Heritage closely collaborates with the Regional Agency of Cultural Institutions (AAIICC) which is a public entity for the implementation of cultural policies. The AAIICC has its own Department of Cultural and Creative Industries that fosters the development of the CCI sector, key in the economy of the region, through support actions to business development and entrepreneurship.

Services provided by the AAIICC to culture and creative SMEs include information and consulting services, enterprise cooperation, guidance on fundraising and support on public-private cooperation.

Open Lab Heritage makes part of the Professional Community website Andalucía Tu Cultura<sup>8</sup>, an exchange and collaboration platform for Culture and Creative SMEs and professionals in Andalusia.

### 4.2.4 High Quality Cultural Content

The Open Lab Heritage uses the Information System created by the Andalusian Historical Heritage Institute (IAPH) over twenty years of experience in the development and qualification of Cultural Heritage information of Andalusia. As result of this work, we have the following information:

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<sup>8</sup> <http://www.juntadeandalucia.es/culturaydeporte/comunidadprofesional/>

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1. The Heritage Buildings database includes information over 24,000 records of the Andalusian cultural heritage (archaeological, architectural and ethnological).
2. The historical artefacts / artwork Database contains data on more than 79,000 records of personal property of Andalusia.
3. The Atlas of the Andalusian Immaterial Heritage has over 1,700 registered and ethnological activities and has generated more than 16,000 photographs, 1,400 audio recordings and 600 audio files.
4. The Cultural Landscapes Register includes 135 records.
5. The bibliography database has more than 40,000 citations of Cultural Heritage.
6. Our spatial database contains over 18,000 cultural heritage entities georeferenced.
7. Our Image Bank includes more than 135,000 images of the Andalusian cultural heritage.

Open Lab Heritage aims to facilitate access to all this content in Open Data so it can be reused by business and citizens in general.

Open Lab Heritage is highly committed to theory progress and technological innovation, paying special attention to scientific and socio-cultural transformations in this field. We cover all the areas of knowledge, including the emerging heritages, such as cultural landscapes, industrial heritage, contemporary heritage, underwater archaeology and intangible heritage.

### 4.2.5 Online tools for activities

- Andalusian cultural heritage Informant Network: Open Lab Heritage has developed a network of informants related to intangible heritage that will be extended to other areas of the Andalusian cultural heritage in the near future. This network invites communities, groups and individuals which create, maintain and transmit cultural heritage, to get actively involved in its management.
- Directory of Cultural Heritage Stakeholders: Open Lab Heritage manages a CRM of companies and professionals related to cultural creation.
- E-learning platform: Open Lab Heritage has an e-learning platform to offer activities of dissemination and capacitation.
- Open Data Infrastructure: Open Lab Heritage is pending of approbation for a diffusion project to offer all our information in an open data strategy.

### 4.2.6 Users and Partnership

The Heritage Open Lab meets the demands of a wide range of stakeholders in order to promote the development of new business models and to improve the quality of content, services and applications related to cultural heritage. Some of the preferred target groups are:

- public sector managers, who can make use of our information system and our expert advice.
- university staff, development of multidisciplinary joint projects.
- professionals and SMEs looking for synergies, inspiration, high quality information to generate new business models.

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- Policy-makers looking for support to the decision making processes.
- associations and non-profit interested in the creation, dissemination and valorisation of new cultural contents

At the same time, the Open Lab Heritage makes use of the established network of public cultural institutions of the IAPH. Among others: Getty Conservation Institute (US); Instituto do Patrimônio Histórico e Artístico Nacional (Brazil); Instituto Nacional de Antropología; e Historia (Mexico); Centro Nacional de Conservación, Restauración y Museología (Cuba); Istituto Superiore per la Conservazione ed il Restauro (Italy); Centro Nacional de Conservación y Restauración (Chile); Institut National du Patrimoine (France); Musée du Louvre (France); Koninklijk Instituut voor het Kunstpatrimonium (Brussels); Laboratorio de Entrenamiento Multidisciplinario para la Investigación Tecnológica (Argentina).

### 4.2.7 Business model

Open Lab Heritage is focussed on providing support for companies, scientists, academics and institutions to develop and advance new ideas that could lead to new products based on digital culture. The IAPH aims to facilitate access to all this content in Open Data so it can be reused by business and citizens in general.

Open Lab heritage is intended to provide access to knowledge, information and infrastructure that users would have no access to otherwise in order to develop new open and collaborative projects.

Even if the physical spaces are provided by the host institution, IAPH, human resources and specific equipment have to be funded by research projects and services.

Open Lab Heritage participates in different calls for proposals both at national and international level and offers a wide range of services to public and private entities, including those of advanced training.

## 5 Annex. Partnership Agreements

In the Work Package 4, Task 4.1, a Partnership Agreement has been defined to be signed by the two new Open Labs locations to run throughout the lifetime of Europeana Food and Drink project in order to realize the growth of the Europeana Open Labs Network. An extended network of Open Labs environments will encourage Creative Industry partners to experiment with cultural heritage content and develop new ideas and applications.

**Annex: Memorandum of Understanding between Europeana Food and Drink and Open Lab Cultura**

**Annex: Memorandum of Understanding between Europeana Food and Drink and Open Lab Heritage**