

Erasmus Mundus Master

Technology, Heritage,

and Industrial Territories

International programme

2021 – 2027



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Overview

The Erasmus Mundus Master in Technology, Heritage, and Industrial Territories (TEPIT) is an international programme offered jointly by the universities of Paris 1 Panthéon-Sorbonne (France), Padua (Italy), and Évora (Portugal). Upon completion of the programme, students receive a joint degree from all three universities.

The programme focuses on the history and heritage of technology. It is designed for students who wish to deepen their knowledge in these fields, either to pursue a career in research and teaching or to enter various professions in the cultural and heritage sectors.

In the first semester, courses are taught at the *École d'Histoire de la Sorbonne*. In the second semester, students move to Padua, where they join the department of *Scienze Storiche Geografiche e dell'Antichità*. The third semester takes place in Évora, at the *Instituto de Investigação Formação Avançada*. In the fourth semester, students return to one of the three universities depending on their research topic. The curriculum includes a five-week study and research stay at one of six partner universities: University of Oviedo (Spain), Czech Technical University in Prague (Czech Republic), Cheikh Anta Diop University (Senegal), Kagoshima University (Japan), University of Sfax (Tunisia), and University of Córdoba (Argentina).

The strength of this master's programme lies in the interdisciplinary nature of the curriculum, which combines history, art history, anthropology, sociology, archaeology, conservation, and museology, and in the diversity of the teaching team composed of researchers and practitioners. Another strength lies in bringing together institutions, teachers, and students from different continents with the aim of comparing and illuminating different ways of thinking about historical and heritage issues around the world. ●

Partner institutions





👉 From top to bottom: Université Paris 1 Panthéon-Sorbonne (France), Università degli Studi di Padova (Italy), Universidade de Évora (Portugal)

Partners granting joint master's degree

Université Paris 1 Panthéon-Sorbonne

The *Université Paris 1 Panthéon-Sorbonne* coordinates the programme as a whole and host students in Year 1 Semester 1 at the *École d'Histoire de la Sorbonne*.

The *École d'Histoire de la Sorbonne* is one of the largest university history departments in Europe, with just under 4,660 students. History is one of its oldest scholarly specialities.

Within the department, the history of technology offers three parallel courses:

- Research master in History of Science and History of Technology
- Vocational master in Cultural and Technological Heritage
- International Erasmus Mundus master in Technology, Heritage, and Industrial Territories.

These courses are an opportunity for valuable exchanges among the students working in a single place, the Centre Malher, in the heart of Paris.

Speciality

The History of Technology course offers a contextual study of technological practice and knowledge (17th-20th c.). The technology studied covers a huge area embracing scientific and industrial technology to artistic, artisan and everyday technology. The course opens onto the disciplines that have shaped the history of technology: anthropology, archaeology, art history, sociology, restoration and conservation.

Università degli Studi di Padova

The *Università degli Studi di Padova* hosts students in Year 1 Semester 2 at the department of *Scienze Storiche Geografiche e dell'Antichità*.

The department (dissGEA) offers courses in history, geography and classical studies. It has more than 70 professors and researcher-lecturers, and in 2018, was declared a department of excellence by the Italian ministry of research and higher education. The Erasmus Mundus master is closely linked to two other English-medium master's programmes where the history and heritage promotion of industry play a major part: Local Development and Mobility Studies.

Speciality

The Industrial Heritage course adopts a multidisciplinary approach (history of economics and society, of industry and enterprises, of technology and labour, industrial archaeology, anthropology, ethnography, history of architecture, museography, archive management). The aim is a comprehensive understanding of the topics of knowledge, conservation and promotion of industrial heritage, including analysis of machines and production cycles, critical assessment of processes of rehabilitation and management of assets associated with industrial civilisation.

Universidade de Évora

The *Universidade de Évora* hosts students in Year 2 Semester 1 at the *Instituto de Investigação Formação Avançada (IIFA)*.

At IIFA, the Erasmus Mundus master's programmes are linked with the *Doutoramento* (doctorate) programmes. Currently there are 926 students (78 international master and 848 doctoral). The heritage topic is covered in five parallel programmes.

- International master in Archaeological Materials Science (ARCHMAT)
- International Erasmus Mundus master in Technology, Heritage, and Industrial Territories
- HERITAS doctorate in *Estudos de Património*
- Doctorates in *História and História da Arte* where one speciality is cultural heritage
- Doctorates in *Artes e Técnicas da Paisagem* and *Gestão Interdisciplinar da Paisagem*, concerning territory and landscape as in the above Erasmus Mundus programme.

Speciality

The speciality Landscapes, heritage and social practices uses a multidisciplinary approach. It combines study of the landscape with that of technology and environment. The core working topics are landscapes of technological innovation; heritage ecosystems; intangible technological heritage; museological heritage; imagery as sources of technological heritage. ●

Six partner universities host students for short-term five-week mobility courses. Each student chooses one according to the topics available.

Universidad de Oviedo

The *Universidad de Oviedo* hosts students at the *Departamento de Historia*. The *Grupo de investigación en Historia Sociocultural GRUHSOC* and lecturers on the master's programme *Historia y Análisis Sociocultural* supervise projects on industrial history and industrial policy in sectors such as mines, food and drink, and railways. These research fields are assisted by the industrial archaeology association *INCUNA-Industria Cultura Naturaleza*. One of the aims is to study, protect and promote the vast steel-making and landscape heritage of the Asturias region.

Speciality

Sociocultural analysis of industrial and everyday spaces.

Czech Technical University in Prague České vysoké učení technické v Praze

The Czech Technical University in Prague hosts students at the *Fakulta Elektrotechnická*. Researchers here work on the history of science and technology. This discipline has a special tradition within the university, issuing bachelors and masters, and since 2011 doctorates. The history of (electro) technology research unit, accredited in 2011, pursues research into the history of science and technology, the history

of industry and enterprises, the history of economics and society, and archive management. It is specialised in the Second Industrial Revolution and the history of science and technology education.

Speciality

Socio-history of contemporary technology.

Université Cheikh Anta Diop de Dakar

The *Université Cheikh Anta Diop de Dakar* (UCAD) hosts students at the *Faculté des Lettres et des Sciences Humaines*. In parallel with the history department, the university has a heritage speciality with a vocational bachelor's in heritage management (GESPA) and an inter-university master in heritage conservation and management (MIGECOP). UCAD covers the history and management of indigenous and colonial know-how (particularly metallurgy, leather, pottery, construction) and its preservation and promotion at cultural events.

Speciality

Tangible and intangible heritage in West Africa.

Partners issuing 5 ECTS credits

Kagoshima University–鹿児島大学

Kagoshima University hosts students at the Department of Architecture and Architectural Engineering. The university is located in an area of southern Japan comprising 23 industrial sites on the Unesco Heritage list and has expertise in environmental matters, specialising in the management of industrial heritage in its relationship with the territory, nature and natural disasters over a wide area of Japan stretching from temperate to sub-tropical zones.

Speciality

Heritage management with a “glocal” approach.

Université de Sfax

The *Université de Sfax* hosts students at the History Department of the *Faculté des Lettres et des Sciences Humaines*. The university is located in a city crucial to North-South trade, and is specialised in the promotion of the tangible and intangible heritage of the southern Mediterranean and more widely, the study of artisanal know-how both currently practised and under threat. It hosts other international projects involving heritage and historical and archaeological research, including “H2020 Sfax Forward: Cultural heritage in South Tunisia. A twinning project promoting interdisciplinary and participatory sciences for an inclusive society”.

Speciality

History, archaeology and sustainable development.

Universidad Nacional de Córdoba

The *Universidad Nacional de Córdoba* (UNC) hosts students at the *Facultad de Arquitectura, Urbanismo y Diseño* (FAUD). UNC offers courses relating to the history of labour and to architectural and urban heritage. In particular a master in *Diseño y gestión de sistemas patrimoniales*. The *Centro de Historia Urbana de Argentina y América Latina* (CEHUALA), attached to FAUD, runs heritage research projects relating to the history of labour, architecture and cities, such as *Las identidades locales como sistema posibilitante para la conservación y valorización del patrimonio cultural*.

Speciality

Management of heritage systems and cultural landscapes. ●



From top to bottom and from left to right: Universidad de Oviedo (Spain), Polytechnic University of Prague (Czech Republic), Université Cheikh Anta Diop (Senegal), University of Kagoshima (Japan), Université de Sfax (Tunisia), Universidad Nacional de Córdoba (Argentina)

Courses



Course content

The programme offers courses focused on the history and heritage of technology, drawing on a wide variety of methods, objects, and observational sites. It relies on concepts, tools, and methods from several disciplines: history, art history, anthropology, sociology, archaeology, conservation-restoration, and museology.

Technology is understood in a broad sense. The term refers to a vast range of artifacts, from the object scale to the territorial scale. The programme is based on the idea that technologies, even industrial ones, should be considered as cultural objects in their own right. The aim is to break down the barriers between technological/artistic/artisanal/industrial categories, which do not accurately reflect the reality of human artifacts.

The international and geographical dimension of the approach is essential. The master's programme aims to foster exchanges of knowledge and practices between students and teachers from different countries, and compare European historical and heritage approaches with those developed on other continents, particularly in the countries where the master's partner universities are located. Through these approaches, the master's programme aims to train researchers and practitioners to be attentive to respecting the diversity of human and natural environments and capable of informing political and cultural action. The multidisciplinary approach is based on the complementary skills of each partner university. ●

Semester 1. Université Paris 1 Panthéon-Sorbonne

History and anthropology of technology

Introduction to the history of technology

Marcos Camolezi, Université
Paris 1 Panthéon-Sorbonne

Global histories and technologies (19th-20th c.)

Vincent Guigueno, Ministère chargé
de la Mer et de la Pêche

History of Technology (17th-19th c.)

Valérie Nègre, Université
Paris 1 Panthéon-Sorbonne

Abandoned places. What can the social sciences do with them?

Nicolas Offenstadt, Université
Paris 1 Panthéon-Sorbonne

History and political economy of the environment

Sebastian Grevsstuhl, Centre
de recherches historiques

Archaeology of technological structures

Ivan Lafarge, Bureau du patrimoine
archéologique de Seine-Saint-Denis
Éric Rieth, CNRS
Virginie Serna, Ministère de la Culture
Florian Tereygeol, IRAMAT-LAPA

Cartography and GIS

Jean-Christophe Balois-Proyart,
Université Paris 1 Panthéon-Sorbonne

Technological heritage

Tangible heritage of science and technology

Odile Lassère, Musée historique
de la Ville de Strasbourg

Heritage of scientific and technological objects

Louise Contant, Musée national
de la Marine
Rosène Declémenti, Musée
des arts et métiers

Paris Heritage Project

Jean-Luc Rigaud, Chambre de
Commerce et d'Industrie de Paris
Île-de-France

Heritage law

Legal protection of sites and landscapes

Julia Gartner Negrin,
Ministère de la Culture

History and law of cultural institutions

Philippe Barthélémy, ARTES Formations

Research tools

The IT project with historical-heritage content

Benjamin Rivalland, Société eMundus

English for the heritage field

French language

Semester 2. Università degli Studi di Padova

History of industry

History of companies: multinationals and global economy

Marco Bertilorenzi, Università degli Studi di Padova

City and industry

Renata Cezar Monezzi, Università degli Studi di Padova

Company archives and sources of industrial heritage

Carolina Lussana, Università degli Studi di Padova, Fondazione Dalmine

Industrial heritage

Industrial heritage project and research

Marco Bertilorenzi, Università degli Studi di Padova

Industrial heritage and local development

David Celetti, Università degli Studi di Padova

From archaeology to industrial heritage

Giovanni Luigi Fontana, Università degli Studi di Padova

Heritage tools

Urban anthropology

Ferdinando Fava, Università degli Studi di Padova

Museums, collections, heritage (English course)

Elena Canadelli, Università degli Studi di Padova

Industrial heritage law (English course)

Marco Giampieretti, Università degli Studi di Padova

Social and political tourism geographies (English course)

Chiara Rabbiosi, Università degli Studi di Padova

Languages

English Language for Industrial Archaeology

Lucia Broetto, Università degli Studi di Padova

Italian language

Semester 3. Universidade de Évora

Landscapes and Heritage

Cultural landscapes and industrial territories: methodology and project

Ana Cardoso de Matos, Universidade de Évora/Departamento de História
Maria Ana Bernardo, Universidade de Évora/Departamento de História

Ecosystems, landscape and heritage management

Antónia Fialho Conde, Universidade de Évora/Departamento de História
Rute Sousa Matos, Universidade de Évora/Departamento de Paisagem, ambiente e ordenamento

Landscapes of technological innovation: analysis and societal impact

Ana Cardoso de Matos, Universidade de Évora/Departamento de História
Paula Maria Simões, Universidade de Évora/Departamento de Paisagem, ambiente e ordenamento
Maria da Luz Sampaio, Universidade de Évora/Departamento de História

Images, technological and museological heritage

Museological heritage and construction of memory

Ana Cardoso de Matos, Universidade de Évora/Departamento de História
Maria da Luz Sampaio, Universidade de Évora/Departamento de História

Images, sources of technological heritage

Antónia Fialho Conde, Universidade de Évora/Departamento de História
Ana Cardoso de Matos, Universidade de Évora/Departamento de História

Technology and engineering

Technology of the Arab-Islamic world in medieval times

Fernando Branco Correia, Universidade de Évora/Departamento de História

History and heritage of engineering

Ana Cardoso de Matos, Universidade de Évora/Departamento de História
Maria da Luz Sampaio, Universidade de Évora/Departamento de História

Languages

French

Fernando Gomes, Universidade de Évora/Departamento de Linguística e literaturas
Odete Jubilado, Universidade de Évora/Departamento de Linguística e literaturas

Portuguese

Filomena Gonçalves, Universidade de Évora/Departamento de Linguística e literaturas

Speciality mobility–Short-term mobility (5 weeks, 5 ECTS credits)

Universidad de Oviedo

Sociocultural analysis of industrial spaces and everyday life

Languages and representations of industrial heritage in Spain. Sociocultural analysis (Spanish course)
María del Mar Díaz González, Universidad de Oviedo

Semiotics of the historical spaces of European coal mining (Spanish course)

Jorge Muñiz Sánchez, Universidad de Oviedo

Design and ergonomics of domestic spaces: sociocultural analysis (Spanish course)

Ana María Fernández García, Universidad de Oviedo

Course content

Czech Technical University in Prague

Sociohistory of contemporary technologies

Technological, scientific cultures and social development: the Czech example
Marcela Efmertová, Czech Technical University in Prague

Technoscience and the making of History

Jan Mikeš, Zdeněk Beneš, Martin Pospíšil, Marcela Efmertová, Czech Technical University in Prague

History of electricity and electrification

Marcela Efmertová, Czech Technical University in Prague

Université de Sfax

History, archaeology and sustainable development

Port cities in the Maghreb, urban development and exchange networks
Salem Mokni, Université de Sfax

Monuments and construction technology in the medieval Maghreb
Hafedh Abdouli, Université de Sfax

Cultural tourism and sustainable development

Zayed Hammami, Université de Sfax

Université Cheikh Anta Diop de Dakar

Tangible and intangible heritage in West Africa

Archaeology and heritage management of the Saloum Delta
Moustapha Sall, Université Cheikh Anta Diop de Dakar

Colonial and indigenous built heritage

Yao Serge Bonaventure Loukou, Université Cheikh Anta Diop de Dakar
Annie Jouga, Université Cheikh Anta Diop de Dakar

Endogenous know-how

Alioune Deme, Université Cheikh Anta Diop de Dakar

Kagoshima University

Heritage management in a “glocal” approach

Regional architecture and architectural heritage management (English course)
Junne Kikata, Kagoshima University

World heritage in Kagoshima orientation (English course)
Satoru Nishimura, Kagoshima University

Humanistic-environmental cultural science in Amani (English course)
Itoe Kaneshiro, Kagoshima University
Sota Yamamoto, Kagoshima University

Universidad Nacional de Córdoba

Management of heritage systems and cultural landscapes

The Jesuit production system in Córdoba. The Camino de las Estancias (Spanish course)
Antonio Sabate, Universidad Nacional de Córdoba

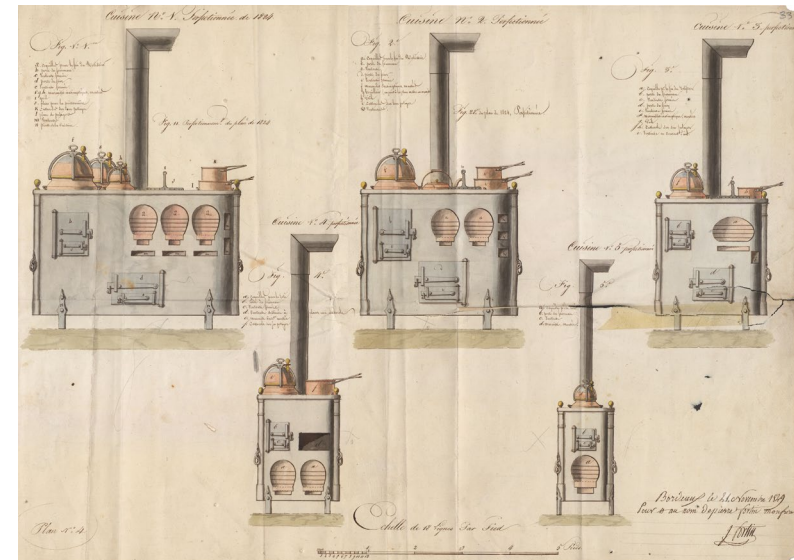
Wine Roads. Cuyo Region (Spanish course)

Liliana Girini, Universidad Nacional de Córdoba

The pueblos of Madera.

The Camino del Tanino in Santa Fe (Spanish course)
Luis Müller, Universidad Nacional del Litoral. ●

📄 Patent for an “improved stove” (*cuisine perfectionnée*), 21 November 1829, INPI, 1BA000414





 Presentation of the archives of the Library of the Conservatoire national des arts et métiers, March 2024, Paris

Teaching methods

The programme aims at both research and vocational integration. In order to meet this objective, theoretical and practical teaching is provided in several ways:

- Research training
- Seminars and courses
- “Project” approaches
- Material approaches
- Informal experience
- Mutual teaching

The teaching team forges close links with non-academic circles and civil society. In France, sessions are regularly held at the *Musée des arts et métiers* and *Musée du Quai Branly*; in Italy, at the *Museo dell’industria et del Lavoro*; and in Portugal at the *Museu Nacional de História Natural e da Ciência (MUNHAC)* and *Centro de Estudos de Cultura, História, Artes e Patrimónios (CECHAP)*.

Dissertation

Research training involves the completion of a dissertation defended at the end of the second year. An introduction to research and writing the dissertation is offered from the first year. The fourth semester is devoted to finalising the dissertation. Students can also complete an applied research dissertation whose subject is formulated by mutual agreement with a cultural institution. The defence brings together teachers from at least two partner universities.

Languages

The master’s degree places a strong emphasis on language learning (compulsory validation of 15 ECTS credits). The course includes two compulsory language courses and other optional courses over three semesters. French and English are compulsory; introductions to Italian and Portuguese are offered for those who speak French and English fluently. In addition, courses are given in English language.

The programme promotes a lively relationship with the languages used on a daily basis during stays at the various universities. Discussion sessions in French are provided by French-speaking students without grant, for any international students who wish to participate.

Informal experience

The training includes informal educational experience that takes the form of transnational and transdisciplinary meetings (mandatory but not assessed):

- **Webinars** bring together teacher-researchers, practitioners and students from the two current student years (M1 and M2) around a relevant research theme. The sessions, organised remotely, are open to all and in open access. Upcoming sessions will focus on: maintenance and repair; reuse of materials; decontamination of industrial sites.

Teaching methods

– **Web cafés** aim to compare different practices. Two museum curators working in different countries are invited to present their institutions, collections, professions and practices. In 2023, these included the curators of the mining sites of the *Berg Bau Museum* (Bochum, Germany) and the *Shoko Shuseikan Museum* (Kagoshima, Japan), as well as the curators of the anthropological museums *Museo de Antropologías de la Universidad Nacional de Córdoba* (Argentina) and the *Muséu del Pueblu de Asturias* (Spain).

“Project” approaches

“Project” teaching consists of collectively designing a fictitious project, while respecting the stages of producing a real commission. The work concludes with the creation of an object presented in public. The “**tutored project**”, for example, worked on over three semesters, consists of producing a website around a theme relating to the history and heritage of technology. Students work in groups under the supervision of a tutor.

Material approaches

The course includes numerous work sessions organised outside the universities. They take the form of meetings, visits, and observation exercises in the field.

Mutual teaching (from student to student)

Mutual teaching is practised for languages (French conversation classes) and field work (visits organised and conducted by students). ●

📍 Marble quarry, Villa Viçosa, Portugal



Working spaces



Teaching locations

Semester 1: Université Paris 1 Panthéon-Sorbonne

Apart from certain academic events that take place on the historic site of the Sorbonne (degree ceremonies, workshops), the majority of courses take place at the Centre Malher, in the heart of the Marais district of Paris. The Centre offers a rich and unusual working environment that brings together students and researchers in the same building. It fosters synergies between research laboratories, master's and doctoral students. The building houses part of the *Institut d'histoire moderne et contemporaine* (IHMC), two archaeology laboratories (*Trajectoires* and *Archéologie des Amériques*) and the Conservation-Restoration of Cultural Property training programme of Paris 1.

Teaching takes place in two rooms and a lecture-theatre located on the ground floor. Students and guest researchers also have access on the 5th floor to a specialised library in the history of science and technology, a meeting room at their disposal, an office (reserved for visiting researchers) and a small shared room for preparing meals. The programme also offers courses inside cultural institutions: *Archives nationales*, *Musée des arts et métiers*, *Musée du quai Branly-Jacques Chirac*.

Semester 2: Università degli Studi di Padova

The Department of *Scienze Storiche Geografiche e dell'Antichità* (DISSGEA) occupies three buildings located in the historic centre of Padua. Most of the lectures take place in the main building of the department, the Palazzo Luzzatto Dina (Room STO 2, via del Vescovado 30). Located near the Padua Cathedral, this magnificent 18th-century palace was fully restored in 2006 to adapt it to university needs.

Students and visiting researchers have access to a specialised history library where they can study local collections, and a common room (for relaxation and meals). Visiting researchers also have an individual office near teaching staff offices.

Semester 3: Universidade de Évora

The buildings of the University of Évora are concentrated in the historic centre of the city, a UNESCO World Heritage Site. The courses take place in old buildings located close to each other.

Most of the lectures take place at the Casa Cordovil, one of the university's campuses, in a room reserved for the Erasmus Mundus Master's programme. Other activities (conferences, symposia) take place at the *Colégio do Espírito Santo*, the historic seat of the university. This vast cloistered building houses the rectorate, the school of social sciences, and the central library. Some events also take place at the Palácio de Vimioso, which houses the *Instituto de Investigação e Formação Avançada* (IIFA) and the *Centro Interdisciplinar de História, Culturas e Sociedades* (CIDEHUS).

CIDEHUS provides visiting researchers with a workspace. It hosts doctoral students and organises symposia and conferences open to a wide audience, including master's and doctoral students at the University of Évora. ●

Library of the Centre d'histoire des sciences et d'histoire des techniques

The Centre's library is open to master's and doctoral students. Its collections reflect two specialities: the history of science and the history of technology.

In the field of the history of technology, it offers works on technology related to the disciplines that have contributed to this field: economic history, history and philosophy of science, archaeology, anthropology, philosophy, sociology and more recently environmental history and history of energy. Added to this are industrial archaeology and the museology of technology.

The library is close to several institutions that possess interesting collections: *Bibliothèque historique de la ville de Paris*, *Bibliothèque de l'Hôtel de ville*, *Bibliothèque Forney*, *Archives nationales*, *Musée des arts et métiers* and *Musée Carnavalet*. It offers a total of nearly 5,000 documents from several centres, the most important of which are:

- The Team for the History of Mines and Metallurgy.
- The Centre for the History of Science and Intellectual Movements (CHSMI).
- Documents relating to themes related to the International Master's degree "Techniques, Patrimoine, Territoires de l'Industrie" (TPTI).
- 800 dissertations and theses on the history of science and the history of technology, as well as Master's dissertations.

Since 2016, the library has been part of the documentation "pole" of the *Institut d'histoire moderne et contemporain* (IHMC) which brings together 30,000 works on the French Revolution and Modern History.

Address

Centre Malher, Université Paris 1
Panthéon-Sorbonne

9 rue Malher, Paris 75004
→ The library staff are present every Thursday.

Libraries of the Università degli studi di Padova

The *Università degli studi di Padova* provides students and teachers with a vast bibliographic heritage consisting of over 1,500,000 volumes, 620,000 years of paper periodicals and numerous electronic resources, databases and other multimedia products.

This major documentary heritage is made accessible via the University Library System (SBU). The catalogue of all the University libraries is centralised on the Galileo Discovery portal, where it is possible to carry out searches on all the physical and digitised collections.

Three libraries are located within the structures of the Department of *Scienze Storiche Geografiche e dell'Antichità*:

Biblioteca di Storia

via del Vescovado, 30-35141 Padova
→ biblio.storia@unipd.it

Biblioteca di Scienze dell'Antichità, Arte, Musica–Liviano

Palazzo Liviano, piazza Capitaniato, 5
(lato Arco Valaresso) – 35139 Padova
→ biblio.liviano@unipd.it

Biblioteca di Geografia

Via del Santo, 22 – 35123 Padova
→ emeroteca.caborin@unipd.it

The *Biblioteca di Storia* is the main reference for students of the Erasmus Mundus master's degree. It brings together a large collection of works relating to economic and social history, business history, archaeology and industrial heritage. Students also have access to the *Biblioteca di Scienze Politiche* and the *Biblioteca di Geografia, Scienze Economiche e Aziendali, Emeroteca di Ca' Borin*.

Biblioteca do Colégio do Espírito Santo (CES)

The *Biblioteca do Colégio do Espírito Santo* is open to the entire academic community as well as to external readers. It includes six libraries distributed across the university's various teaching units. Each documentary collection corresponds to the subjects taught. It also includes the *Arquivo Histórico* of the university, special collections (*Fundos Especiais*) and the European Documentation Centre.

Three of these libraries possess collections related to heritage:

The Colégio do Espírito Santo
(Social Sciences)

The Biblioteca Jorge Araújo/Colégio dos Leões (Architecture, Performing Arts, Visual Arts and Design)

The Biblioteca do Colégio Luís António (Computer Science, Environment, Mathematics, Chemistry, Physics, Geosciences, Biology, Zoology, Botany, Civil Engineering, Urban Planning, Landscape Architecture, Music, Sports and Geography).

Address

Universidade de Évora

Largo dos Colegiais, 2, 7004-516 Évora
→ Open Monday to Friday 09:00 to 20:30 and Saturday from 09:30 to 20:00.

Students



The master's year groups are both international and multidisciplinary. The programme is open to students holding a bachelor's degree or a final diploma in history, art history, archaeology, anthropology, architecture, heritage, geography. It also welcomes a small number of teachers or professionals specialising in these fields who wish to advance their careers. The European Education, Audiovisual and Culture Executive Agency (EACEA) funds Erasmus Mundus scholarships that cover study and mobility costs (M1 and M2). To ensure balance within each year group, it awards a quota of scholarships per country. The Master also welcomes non-scholarship students who benefit from Erasmus+ grants and additional aid linked to their research subjects.



**Noaga Salif Birba,
Burkina Faso [2008-2010]**

Qualifications

Prior to the program, I held a master's degree in history and archaeology as well as a master's degree in local and decentralised development.

Current activities

Post-master, I completed a PhD in archaeology and ethnology at the *Université Paris 1 Panthéon-Sorbonne* in 2016. Since 2012, I've been a lecturer at the *Université Norbert Zongo*. The scholarly and cultural experience gained during the master's programme enabled me to become head of the history and archaeology department and director of the Cultural and Tourism Heritage Management programme at the Gaoua University Centre. The programme provided me with essential knowledge for designing these programmes. Furthermore, I actively participated in the launch of the Master in African History, Archaeology, and African Arts in 2018, serving as its coordinator until 2021. Currently, I am the deputy director of the Unit of Training and Research in Humanities at Norbert Zongo University. I have consulted on numerous projects related to the protection and protection of cultural heritage within the framework of major territorial development and mining projects.

What you gained from the master's

I have excellent memories of the time I spent on the master. I learnt a lot from the other students, especially in cultural matters. This inter-cultural aspect is one of the things I most appreciated.

**Amandine Leporc,
France [2018-2020]**

Qualifications

Before applying, I held a Franco-Italian bachelor's degree in geography with a focus on cultural heritage management and protection.

Current activities

I am currently pursuing a PhD funded by the French National Research Agency (ANR) and the European Commission. My doctoral research compares how two European regions, the *Pays de Béarn* (France) and the Banat (Romania), perceive and manage their intangible cultural heritage (ICH). The study involves identifying French and Romanian stakeholders and analysing their individual and collective activities. I am conducting this research within the European alliance UNITA, which includes the *Université de Pau et des Pays de l'Adour* (ITEM research unit) and the West University of Timișoara (RHEA research unit).

What you gained from the master

The master's programme provided me with the opportunity to deepen my understanding of cultural heritage. Participating in fieldwork on the shipbuilding expertise of Breton shipwrights and completing an anthropology internship at the *Benemerita Universidad Autónoma de Puebla* in Mexico are just a few of the experiences that led me to consider heritage from a broader, more reflective perspective, particularly through the lens of comparison.

**Juan Pablo Pekarek,
Argentina [2019–2021]**

Qualifications

Upon arrival, I had a dual background in architecture and history. After obtaining my architecture degree from the University of Buenos Aires in 2012, I pursued a master's degree in architectural history at the University of Torcuato Di Tella. At the time of my application, I was a teaching assistant in architectural history and a researcher and consultant at the Centre for Historic Monuments of Argentina.

Current activities

I am currently a PhD student at the *Institut national d'histoire de l'art* (INHA), funded by a scholarship. My PhD, prepared at the Doctoral School of History at the *Université Paris 1 Pantheon-Sorbonne*, focuses on Beaux-Arts architects, engineers of the *École Centrale*, and French construction companies in Buenos Aires (1890-1930). As a research fellow at INHA, I participate in the research domain of "History of Technology and Artistic Disciplines".

What you gained from the master

The master's programme provided me with tools, concepts, and methods that allowed me to better define my research interests. It facilitated fruitful exchanges with students from around the world, prestigious European institutions, and experienced researchers and professors.

**Lucia Sanchez Figueroa,
Venezuela [2011–2013]**

Qualifications

At the time of my application, I had been a qualified architect for four years and was working as a heritage architect in an industrial company.

Current activities

I am currently a professor of industrial heritage history at the *Universidad de las Artes, Ciencias, y Comunicaciones–UNIACC* (Chile), where I have lived for four years. I work with my students directly with communities living in industrial environments. With the National Council for Monuments, we are establishing a "Typical Neighbourhood Zone," known as the "Musicians of the World Quarter," to preserve industrial sites with social, historical, architectural, and urban value that are threatened by real estate developers.

I am also president of the International Committee for the Conservation of Industrial Heritage of Venezuela (IICIV) and a member of the IICIV International Communication Committee.

What you gained from the master

The master's programme remains one of the best experiences in my life. It provided me with knowledge of the history of technology and heritage, fields that I continue to study to this day. It also taught me to adapt to different cultures and work in a foreign country on my passion: industrial history and heritage. ●

Noaga Salif Birba



Amandine Leporc



Juan Pablo Pekarek



Lucia Sanchez Figueroa





Visiting scholars

Researcher hosting programme

Each year, the Erasmus Mundus programme offers three four-to six-week scholarships to teacher-researchers and curators who wish to undertake research relating to the programme topics. They may work at any of the universities according to their project.

Visiting researchers profiles

Flavio Madureira Heinz, Universidade de Évora in 2023
Professor, *Universidade Federal Rural do Rio de Janeiro (UFRRJ)* (Brazil)

Research themes

Professional training of engineers, scientific professions, international circulation of scientists, prosopography of scientific professions.

Research project

Circulation of technological and scientific knowledge in professional training spaces for engineers in Brazil, late 19th and early 20th century.

Morten Ravn, Université Paris 1 Panthéon-Sorbonne in 2023
Curator, Viking Ship Museum in Roskilde (Denmark)

Research themes

Shipbuilding, seafaring, craftspeople, maritime military operations.

Research project

Telling stories—historic ships as hotspots for global technological heritage.

Laura Ronzon, Université Paris 1 Panthéon-Sorbonne in 2022
Director of collections, *Fondazione Museo Nazionale Scienza e Tecnologia Leonardo da Vinci* (Milan, Italy)

Research themes

Scientific and technological heritage, museology, collections.

Research project

Documenting science, technology and industry through the museum.

Ellan Spero, Università degli Studi di Padova in 2023

Instructor, Massachusetts Institute of Technology (United States)

Research themes

Technological landscape, materiality, public health, water, sand.

Research project

Multiscale materiality of technological landscape: agitation, demonstration, and sanitation in us waterworks at the turn of the 20th century. ●

Flavio Madureira Heinz



Morten Ravn



Laura Ronzon



Ellan Spero



Research activity

Workshops

An annual international workshop gives structure to the educational and scholarly activity of the master's degree. Students work alongside teacher-researchers and curators. The themes are chosen by each awarding university in turn; they correspond to their specialties. The workshops proceedings are published either by *Edições Colibri* (Lisbon), or by the *Presses de l'Université de technologie Belfort-Montbéliard*, or by the journal of the history of technology *ePhaistos*.

Workshop publications

2010

Techniques, Patrimoine, Territoires de l'Industrie: quel enseignement?, Lisbonne, Edições Colibri, 227 p.

2011

Les patrimoines de la mobilité: état des lieux et perspectives de recherche, Lisbonne, Edições Colibri, 199 p.

2013

L'Aluminium et la calebasse. Patrimoines techniques, patrimoines de l'industrie en Afrique, Belfort-Montbéliard, Les presses de l'Université de technologie Belfort-Montbéliard, 232 p.

2015

Les Patrimoines de l'eau, *ePhaistos*, vol. IV, n°2, 2015.

2016

L'ingénieur et le patrimoine. Savoir technique, aménagement du territoire et mutation du paysage, Belfort-Montbéliard, Les presses de l'Université de technologie Belfort-Montbéliard, 211 p.

2020

Ecomusée: une expansion internationale, *ePhaistos*, vol. VIII, n°1, 2020.

2022

Trajectoire des matériaux et des objets. Usages, transformations et réemplois, Belfort-Montbéliard, Les presses de l'Université de technologie Belfort-Montbéliard, 176 p.

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Associate index

Associates

The master's programme is based on an international network of associates favouring exchange between higher education, cultural institutions and professionals in the culture and heritage sector. Their contribution varies: one-off participation in lectures, cross-disciplinary and trans-national sessions, leading guided tours, hosting interns, communication and disseminating information about the programme, putting together shared projects.

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Printed by Frazier, Paris
december 2024

Acknowledgements

Université Paris I Panthéon-Sorbonne expresses its gratitude to the *Musée des arts et métiers* and the *Musée national de la Marine* for authorising reproductions from their archives, publications and models, and to all those who have contributed to this brochure, especially Claire Dubert, Helena Espadaneira, Adriana Martín García, Raffaella Masè.

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Funded by the European Union. The views and opinions expressed are those of the authors and do not necessarily reflect those of the European Union or the European Executive Agency for Education and Culture (EACEA). Neither the European Union nor the EACEA can be held responsible for them.

