



CENTRO  
CONSERVAZIONE  
RESTAURO  
LA VENARIA REALE

Summer School Post Conflict Recovery  
Talk 2 - 6 June 2023

TRAINING IN CONSERVATION  
Sara Abram



Europe



Italy



Piedmont



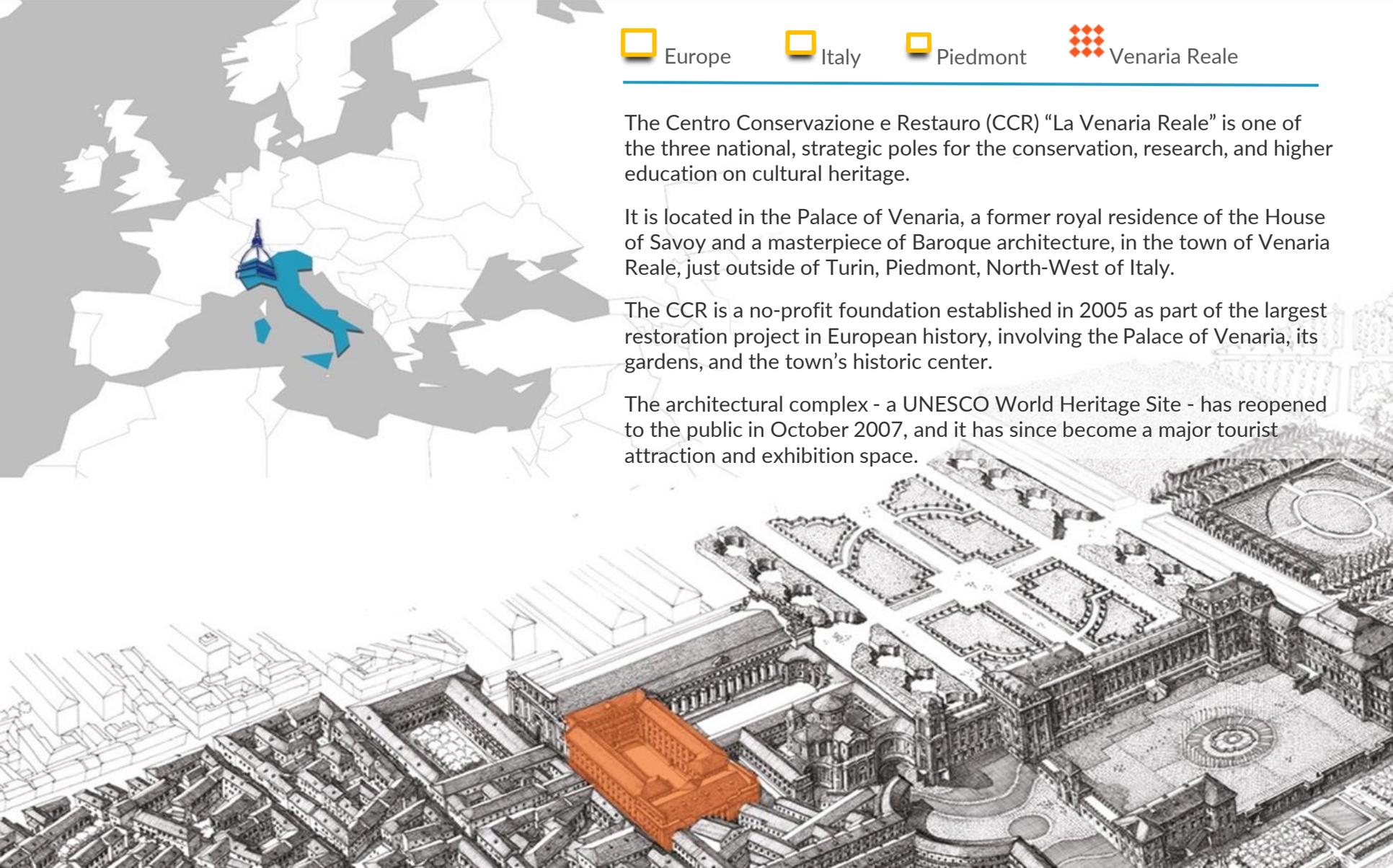
Venaria Reale

The Centro Conservazione e Restauro (CCR) “La Venaria Reale” is one of the three national, strategic poles for the conservation, research, and higher education on cultural heritage.

It is located in the Palace of Venaria, a former royal residence of the House of Savoy and a masterpiece of Baroque architecture, in the town of Venaria Reale, just outside of Turin, Piedmont, North-West of Italy.

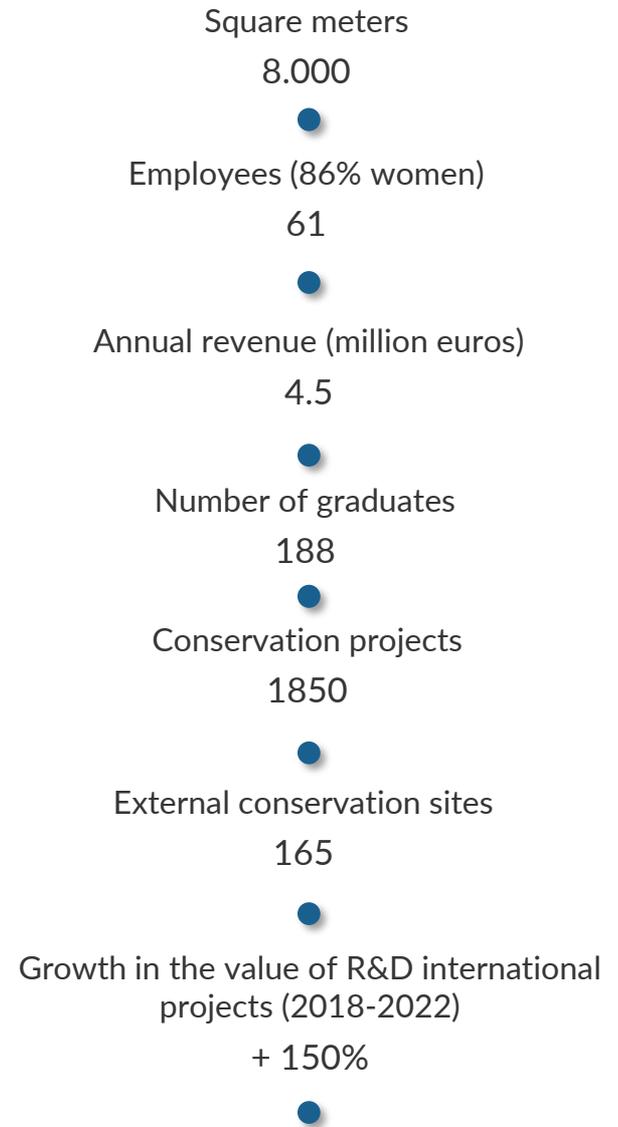
The CCR is a no-profit foundation established in 2005 as part of the largest restoration project in European history, involving the Palace of Venaria, its gardens, and the town's historic center.

The architectural complex - a UNESCO World Heritage Site - has reopened to the public in October 2007, and it has since become a major tourist attraction and exhibition space.





# FACTS & FIGURES





# OUR FOUNDERS



● Ministry of Culture



● Piemonte Region



● Metropolitan City of Torino



● City of Torino



● City of Venaria Reale



● University of Turin



● Compagnia di San Paolo Foundation



● CRT Foundation



ADVANCED TRAINING

## Master's Degree in Conservation and Restoration of Cultural Heritage – University of Turin

One of the main goals of the CCR as a high education institution is to provide advanced training in the fields of cultural heritage conservation, study, and research. The CCR hosts the 5-year Master's Degree course in Cultural Heritage Conservation and Restoration of the University of Turin, delivered in agreement with CCR, with theoretical-practical activities in laboratories where students are supported by teachers-restorers, with a teacher/student ratio of 1:5.

Main strengths of the Master's Degree:

- combination of theoretical classes with practical activities in the laboratory and on-site work
- professors include trained conservators
- professor: student ratio is 1:5
- advanced training in 5 professional fields
- professional qualification of Conservator, according to guidelines of the Italian Cultural Heritage and Landscape Code.

Interdisciplinarity of the Master's Degree:

- humanistic disciplines
- scientific and technical subjects
- content on artistic techniques
- materials and methods for conservation



ADVANCED TRAINING

■ Scuola di Alta Formazione e Studio/  
■ School of Advanced Training (SAT)

- Providing of educational tools and training at different levels
- organization of a wide variety of training activities, including classes, courses, seminars, and schools
- management of practical sessions in the laboratory and on-site activities in external conservation sites
- partnerships with world-renowned research organizations and institutions.



## CCR Digital Lab.

Learning to preserve our cultural heritage  
with Centro Conservazione e Restauro "La Venaria Reale"



### TRAINING

Develop your skills.

EXPLORE

### EDUCATION

Take part to our  
educational  
activities.

EXPLORE

### COMMUNITY

Let's share the  
future of  
conservation.

EXPLORE

# CCR DIGITAL LAB

A project of digital transformation  
launched on July 1st, 2022

A new platform and model for on-line training,  
education & enhancement

To facilitate the use and accessibility of data,  
share experiences, build skills, and create  
technical-scientific communities

[www.ccrdigital-lab.it](http://www.ccrdigital-lab.it)



# CONSERVATION LABORATORIES

The CCR «La Venaria Reale» hosts nine **conservation laboratories**, specializing in the conservation of various types of cultural heritage materials and objects:

1. Paintings on Canvas
2. Paintings on Wood Panel
3. Wooden Sculptures
4. Wooden Furniture
5. Stone Materials, Wall Paintings, and Architectural Decorated Surfaces
6. Textiles, Tapestries, Carpets, Leather, and Ethnographic Materials
7. Glass, Metal, and Ceramic Artifacts
8. Contemporary Art
9. Paper, Parchment, and Photography



# SCIENTIFIC LABORATORIES

The CCR also hosts fully equipped **scientific laboratories** that operate on various fronts, from the scientific analysis of objects of archaeological, historical, and artistic significance to cutting-edge, applied research through grant-based national and international projects.

**Scientific analysis** aims to support conservation treatments and increase current scholarship in art and archaeology, especially regarding artists' materials and the techniques of fabrication of cultural heritage artifacts.

## SCIENTIFIC ANALYSIS

relies on a wide range of instrumental techniques, such as multispectral imaging, tridimensional imaging, digital radiography, computed tomography, optical microscopy, colorimetry, FORS, XRF, SEM/EDS, FTIR, Raman, and biological investigations.

## ANALYTICAL PLAN

is tailored to the questions raised by conservators, curators, or art historians, and may involve different analytical steps and instrumental techniques depending on the specific objectives of each research project or conservation treatment.



# INTERNATIONAL COOPERATION MODEL



EXPERTISE IN CULTURAL HERITAGE  
CONSERVATION, STUDY, AND RESEARCH



CONSERVATION BASED ON THE ITALIAN  
TRADITION.  
RECOGNIZABILITY, REVERSIBILITY,  
MINIMAL INTERVENTION



CONTEXTUALIZATION ON SPECIFIC  
CULTURES, SITES, ARTEFACTS, AND  
MATERIALS

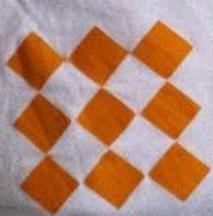


JOINT ASSESSMENT OF FINAL  
RESTITUTION OBJECTIVES AND  
MODALITIES OF USE AND ENHANCEMENT



COMMUNICATION, PROMOTION,  
DISSEMINATION, AND OUTREACH

# KEY PROJECTS



CENTRO  
CONSERVAZIONE  
RESTAURO  
LA VENARIA REALE

## JERUSALEM

Collaboration agreement with the Custody of the Holy Land and "La Sapienza" University of Rome.

Project and intervention for the **rehabilitation of the stone floor** of the Holy Sepulchre Church in Jerusalem

A complex restoration work that includes the stability assessment of the Holy Aedicule, the technical facilities implementation and the archaeological research.

The activities started in 2019 and are still on-going.



## EGYPTIAN ARTIFACTS

The “Vatican Coffin Project”, through the collaboration established with the Vatican Museums for the conservation of coffins at the Museo Egizio in Turin.

Several international institutions involved -Musée du Louvre and C2RMF Centre De Recherche et de Restauration des Musées de France, Paris; Rijksmuseum van Oudheden, Leiden -

Collaborative projects on the **conservation and study of a great variety of Egyptian painted artifacts** such as wooden sculptures, cartonnages, and painted shrouds belonging to the Museo Egizio.

Additional skills have been acquired through work on mummies, archaeological textiles, metal objects, and sculptures, as well as on-site activity at the temple of Amenhotep II, Luxor.

Activities are still on-going.



## EGYPT

UNESCO Cairo Office, Regional Bureau for Sciences in the Arab States, within the framework of the Museums of Islamic Art (MIA) project, funded by UNESCO/Italy Funds by AICS - Italian Agency for Development Cooperation, in cooperation with the Egyptian Ministry of Tourism and Antiquities (MoTA) selected CCR as a partner to deliver two training courses for museum professionals:

**Material Science and Conservation of books and archival materials (2022).**





# EGYPT MATERIAL SCIENCE FOR THE CONSERVATION OF MUSEUM COLLECTION

Training program combining theoretical seminars with scientific and technical topics, case studies, experiences, and projects (July 2022)

- 2-week online course addressed to 35 Egyptian conservators
- 1 week of practical training address to 5 of them, at CCR in Venaria Reale

The sessions were conducted by conservators and conservation scientists, CCR personnel directly involved in restoration activities, conservation project managers, art historians, photographers, graphic designers



## EGYPT PRESERVATION OF BOOKS AND ARCHIVAL MATERIALS

Training program combining theoretical seminars with scientific and technical topics, case studies, experiences, and projects (September 2022)

- 1-week online course addressed to 30 Egyptian conservators
- 10 days of practical training address to 5 of them, at CCR in Venaria Reale

The program was conducted by a multidisciplinary team of conservators specialised in paper, leather, and parchment, in collaboration with conservation scientists (biologists, chemists, technicians), as well as experts from national and international cultural institutions



# MOROCCO

Collaboration Agreement with Assam II Foundation in Morocco and the Academy of Traditional Arts in Casablanca, for an **18-month training course for conservators specializing in Zellige** (typical Moroccan ornamental pottery) and local stone (2022-2023).

The training includes:

- specialty courses held in person in French language
- educational program tailored to the training objectives defined for the participants
- tutoring service provided to the participants during on-site activities and while preparing the final report due at the end of the course

# NORTH MACEDONIA

Collaboration with Directorate for Protection of Cultural Heritage (DPCH), ICOMOS Macedonia, and Fondazione Santagata per la Cultura within a CEI's Knowledge Exchange Program-Central European Initiative (supported by Italian funding through the CEI Fund at the European Bank for Reconstruction and Development) funded by the Central Europe Initiative (CEI) (2021-2022);

Online and in-person training aiming at strengthening **technical and management skills of cultural heritage** professionals from the Republic of North Macedonia.

Practical conservation sessions focused on the conservation of Byzantine wall paintings of Saint Sophia Church in Ohrid (North Macedonia, UNESCO heritage).

## BRAZIL

Collaboration agreement with Federal University – National Museum of Rio de Janeiro (2021-2022)

Program of capacity building, advanced training, and support in the **design and execution phases of the conservation of a fragment from a Pompeii mural painting**, which survived the fire that destroyed the National Museum in 2018.

Online training of National Museum professionals, followed by a co-planned conservation intervention carried out at CCR laboratories

Final exhibition within «Restituzioni», a conservation program funded by Intesa Sanpaolo Bank, and at the Brazilian Embassy in Rome.





## CHINA

Collaboration with Xi'an Northern Polytechnic University - NPU Institute of Culture and Heritage (2021)

Within the framework of this scientific and technical collaboration, the CCR held an online **summer school on the fundamentals of cultural heritage conservation** for a group of polytechnic students



## SYRIA

Collaboration with UNDP Office in Damascus, Syria, under a Low-Value Grant Agreement UNDP-CCR project "**Training in conservation of Mosaics**".

Distance learning course addressed to officials of the Ministry of Antiquities and Museums of Syria focusing on mosaic conservation techniques (December 2022).





## SYRIA

The cooperation project Enhancing skills for Heritage Conservation. 2022-2023: Piedmont - Syria Knowledge Exchange

The capacity building intervention, which has the specific objective of promoting and enhancing the knowledge of the different stages of the conservation process of artistic artifacts typical of the local Syrian repertoire, with particular reference to traditional techniques of wooden heritage, will be implemented by involving local professionals in activities of technical and scientific approach to the conservation of the polychrome ceiling of the Damascene Hall at the Damascus National Museum.



## HERITAGE LAB

Collaboration agreement with Fondazione Santagata for the Economics of Culture and the University of Turin.

**HERITAGE LAB integrates and enhances cultural heritage conservation and management skills** through educational and training activities and programs.

The project aims to provide training and capacity building to support the conservation cycle within a broad strategic framework, including: documentation, preventive conservation, planning of conservation work, evaluation of the impact of treatments, asset management, monitoring and definition of plans for the sustainability of assets, online outreach and public engagement in the field of cultural heritage.





Thank you

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