XVIII TECHNICAL MEETING
NOVEMBER 19 and 20, 2026

NEW TECHNOLOGIES AND ARTIFICIAL INTELLIGENCE

APPLIED TO CONSERVATION-RESTORATION OF CULTURAL HERITAGE

PROGRAMME

- Thursday 19 →
- Friday 20 →
- Saturday 21 →
- Posters →



organized by:

CRAC conservadors restauradors associats de catalunya

in collaboration with:

Fundació "la Caixa"

GOBIERNO DE ESPAÑA · MINISTERIO DE CULTURA

Generalitat de Catalunya

Diputació Barcelona

Barcelona

Vesta

RèCOP

Thursday 19

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MORNING

9:00–9:30h
Arrival and registration

9:30–10:00h
Opening
With Yadhira Garcia Valverde, Noelia Arenas Moragón (CRAC) and Sònia Blasco (Generalitat Museum Services)

BLOCK 1
DIAGNOSIS AND DIGITAL ANALYSIS OF HERITAGE

10:00–10:30h
How Geodata Helps Understand Fossil Stability: A Conceptual Proposal for the Fossil Alteration Detector (DAF) Using WMS/GIS
Almudena Selomith Yagüe, Fátima Marcos-Fernández

10:30–11:00h
Standardised model for documentation and Multi-Technique analysis of a reference paint films collection: a tool for the diagnosis of painted heritage
Aleix Villalobos Quintana

11:00–11:45h Coffee break and poster session

11:45–12:15h

Digitization of stratigraphic analysis: development of a standardised cataloguing system as a smart diagnostic method applied to Cultural Heritage

Clara Rico Climent

BLOCK 2

EMERGING TECHNOLOGIES APPLIED TO CONSERVATION TREATMENT

12:30–13:00h

Integration of advanced digital technologies for documentation, predictive analysis and conservation-restoration. The case of the Hospital de Cartró in Capdella

Júlia Servera

13:00–13:30h

3D printing applied to sculptural restitution: materials and parameters for the specific case of the trumpeting angel of an 18th-century Dutch longcase clock

Leire Escudero Costa

13:30–15:30h Lunch break

AFTERNOON

15:30–16:00h

Interferometric Synthetic Aperture Radar (InSAR) as a tool for the preventive conservation of Cultural Heritage

María López Rey, David Villalón

16:00–16:30h

From plant species to 3D. Conservation, restoration, digital model and outreach for the community

Verónica Ojeda Jiménez

16:30–17:00h

From capture to preservation: comprehensive digitisation of the Mallorca Cathedral complex and graphic survey of the chevet stained-glass windows

David Moreno, Cèlia Mallafré, Albert Samper (Scandraw SL)

Friday 20

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MORNING

9:00–9:30h
Arrival and registration

9:30–10:00h
The Ethics of Restoring Paintings on Canvas with Digitally-Designed Transparencies
Alex Kashkin

BLOCK 3
INTELLIGENT MANAGEMENT OF COLLECTIONS AND HERITAGE SETTINGS

10:00–10:30h
When Cultural Heritage is at risk: the potential of the Art-Risk model and geospatial technologies
Mónica Moreno

10:30–11:00h
Implementing the RE-ORG method in an industrial museum: challenges, adaptations and integration of digital tools for the smart management of museum storage
Olga Payan

11:00–11:45h Coffee break and poster session

12:00–13:30h

INDUSTRY SHOWCASE

La Tempesta

AI and cultural heritage: real-world applications in transcription, cartography and archival description

Jonàs Salat, Marc Hernández Güell

Spectraltek

Multispectral analysis

Antonio Cardoso

3D Tècnics

Reproductions by Machining or High-precision prototyping

Francesc Montero

Nubilum

Cataloguing, collection inventory and outreach

Pep Casals

13:30–15:30h Lunch break

AFTERNOON

15:30–16:00h

CLOSING LECTURE

Albert Sierra

16:00–17:30h

PANEL DISCUSSION

AI in the conservation-restoration of Cultural Heritage

With Jaione Korro, Olga Payan, Mónica Moreno, Marc Hernández i Albert Sierra. Moderator: Isabel Moreno Martínez (CRAC)

17:30h

Closing

Saturday 21

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MORNING

10:00–14:00h

SITE VISIT

La Roca dels Moros cave paintings

Camí del Cogul a Albagés, km 125152
El Cogul (Les Garrigues)

Advance registration required

Open in maps →

Posters

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Presented during the coffee breaks on Thursday and Friday (11:00–11:45h).

Optimization of Inspection Protocols for Iron-Gall Inks through Digital Analysis and Open-Source Software: Application to Sixteenth-Century Canarian Manuscripts
Ania Rodriguez Maciel, Elisa Mª Díaz González

High-Resolution Photogrammetry of Canvases with Complex Relief: Evaluation of a Motorized Capture System
Elvira García Vacas, Elisa Mª Díaz González, Drago Díaz Alemán, Federico Henriques

Digitizing to Preserve: Pere Jou's Capitals at the Maricel Palace, Sitges
Mònica Urquizu, Lucía Ponce Cerezo

Custom Conservation Supports for Archaeological Materials Using 3D Digital Twins
Miriam Perez Aranda, Ángel Santos Horneros, Óscar Bonilla Santander

Digitisation as a tool for the conservation and dissemination of archaeological sites: the case of Cova Bonica (Vallirana, Barcelona)
Laura Gómez-Morgado, Nadina Carla Cardillo Garreta, Montserrat Sanz, Joan Daura

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