Grotto Digital Twins:

Strategies for Documentation, Preservation, and Promotion.

Organized by:

With the support of:

In the framework of:

17th February 2025

online seminar - Zoom meeting link

Italy **- 10:00 - 13:00 (CET)**
China **- 17:00 - 20:00 (CST)**

10:00 - 10:10 (CET) / 17:00 - 17:10 (CST) – 10 min
Opening and introduction
Fulvio Rinaudo, President - CIPA Heritage Documentation
Hou Miaole, Beijing University of Civil Engineering and Architecture
Grazia Tucci, Università degli Studi di Firenze

10:10 - 10:30 (CET) / 17:10 - 17:30 (CST) – 20 min
Laboratorio GeCo – Università degli Studi di Firenze
3D Documentation of Grottos: Steps Towards Digital Twin Creation
Speakers: Grazia Tucci, Alessandro Conti, Lidia Fiorini

10:30 - 11:10 (CET) / 17:30 - 18:10 (CST) – 40 min
Istituto Centrale per il Restauro (ICR)
The Restoration of Mural Paintings in Hypogean Environments: Insights from the Experiences of the ICR
Speakers: Sara Iafrate, Giorgio Sobrà, Manuel Di Giandomenico

Strategies for the Conservation of Sichuan's Sandstone Sculptural Complexes: Objectives of the International Cooperation Project between the Central Institute for Restoration and the Sichuan Department of Cultural Heritage
Speakers: Eleonora Gioventù, Natalie Iacopino

11:10 - 11:30 (CET) / 18:10 - 19:30 (CST) – 20 min
Beijing University of Civil Engineering and Architecture
Virtual Restoration of Cultural Heritage
Speaker: Hou Miaole

11:30 - 11:50 (CET) / 18:30 - 18:50 (CST) – 20 min
Università Politecnica delle Marche
Geomatics for the Valorization and Knowledge of Underground Built Heritage: between 3D Surveying and Multimedia Experiences to Share Science and Culture in a Virtual Museum
Spreakers: Eva Savina Malinverni, Roberto Pierdicca, Francesco Di Stefano

11:50 - 12:10 (CET) / 18:50 - 19:10 (CST) – 20 min
Norwegian University of Science and Technology
CityGML for 3D Modelling of Cultural Heritage
Speaker: Fan Hongchao

12:10 - 12:30 (CET) / 19:10 - 19:30 (CST) – 20 min
Consiglio Nazionale delle Ricerche (CNR)
Diagnostic and monitoring strategies for the conservation in of semi-confined environments towards a DT integration
Speakers: Cristiano Riminesi, Marta Castellini, Emma Cantisani, Rachele Manganelli Del Fà

12:30 - 12:50 (CET) / 19:30 - 19:50 (CST) – 20 min
Università degli Studi di Cassino, DTC Lazio
The Ponari Nymphaeum of Cassino: Distinctive Features and Critical Issues
Speakers: Eugenio Polito, Arturo Gallozzi, Vincenzo Graffeo, Francesca Pierdominici

12:50 - 13:00 (CET) / 19:50 - 20:00 (CST) – 10 min
Discussion and greetings