



IT-FR COOPERATION IN HERITAGE SCIENCE

COOPÉRATION IT-FR SUR LES SCIENCES DU PATRIMOINE

COOPERAZIONE IT-FR NELLE SCIENZE DEL PATRIMONIO CULTURALE



## DIVING INTO DIGITAL DATA FOR HERITAGE SCIENCE: Diagnostics, Underwater Heritage, and Sound

Centre National de la Recherche Scientifique (CNRS), Campus Joseph Aiguier - AUDITORIUM  
31 chemin Joseph Aiguier Marseille<sup>1</sup>, <https://www.provence-corse.cnrs.fr/fr>

**Wednesday, February 7<sup>th</sup>, 2024**

Hybrid event - [link](#) for online participation

**9:00-9:30 REGISTRATION**

**9:30-10:00 WELCOME AND INTRODUCTION**

**Nathalie Pasqualini**, Centre National de la Recherche Scientifique – Deputy regional delegate, délégation Provence et Corse (DR12)

**Jean-Yves Blaise**, Researcher, and **Adeline Manuel**, Research Engineer, Centre National de la Recherche Scientifique – Models and Simulations for Architecture and Heritage (UPR CNRS 2002 MAP)

**Andrea De Pasquale**, Director General, Directorate General Education, Research, Cultural Institutions, Italian Ministry of Culture [online]

**Dominique Vingtain**, Director, Centre Interdisciplinaire de Conservation et Restauration du Patrimoine (GIP CICRP Belle de Mai)

**Stéphane Poliakov**, Scientific and Academic Cooperation Attaché, Embassy of France in Italy [online]

**10:00-10:30 HETEROGENEOUS DIGITAL DATA: CHALLENGES AND APPLICATIONS**

MODERATORS : **Jean-Yves Blaise**, Researcher at the Centre national de la recherche scientifique and **Vania Virgili**, Technological Research Director at the Consiglio Nazionale delle Ricerche, Istituto di Scienze del Patrimonio Culturale (CNR-ISPC)

**Iwona Dudek**, Researcher at the Centre national de la recherche scientifique (UPR CNRS 2002 MAP). *Research workflows and digital data sets: traceability, reproducibility, comparability issues illustrated on spatio-acoustic data acquisition protocols*

**Angela Bellia**, Researcher at the Consiglio Nazionale delle Ricerche, Istituto di Scienze del Patrimonio Culturale (CNR-ISPC). *Towards a Digital Approach for Preserving and Managing Sonic Heritage*

**10:30-10:50 OPEN DISCUSSION**

**10:50-11:15 COFFEE BREAK**

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<sup>1</sup> Reaching the CNRS Campus in Marseille: <https://www.provence-corse.cnrs.fr/fr/accueil-et-acces>



### 11:15-11:45 DIGITAL DATA AND DIAGNOSTICS

MODERATORS : Dominique Vingtain and Vania Virgili

**Marie-Laure Chavazas**, PhD Candidate at Centre interdisciplinaire de conservation et de restauration du patrimoine (CICRP). *Non-destructive diagnosis of marble sculptures by 3D imaging coupled with acoustic tomography*

**Cristiano Riminesi**, Senior Researcher at the Consiglio Nazionale delle Ricerche, Istituto di Scienze del Patrimonio Culturale (CNR-ISPC). *Integration of multi-scale and multi-resolution techniques for structural diagnostic on wall paintings with 3D modelling. The case study of the masterpiece of the Brancacci chapel frescoes* [online]

### 11:45-12:05 OPEN DISCUSSION

### 12:05-12:50 DIGITAL DATA FOR UNDERWATER HERITAGE AND WATERFRONT LANDSCAPES

MODERATORS : Pascal Liévaux and Vania Virgili

**Arnaud Schaumasse**, Director of the Department of Underwater Archaeological Research of the French Ministry of Culture (DRASSM). *Drassm, the original model of a single administrative and research service for all of France's maritime areas*

**Barbara Davidde**, Former Superintendent of the National Superintendency for Underwater Cultural Heritage of the Italian Ministry of Culture. *Underwater cultural heritage in the Italian maritime space* [online]

**Fabio Pagano**, Director of the Archeological Park of Campi Flegrei in Naples, and **Crescenzo Violante**, Senior Technological Researcher. *Digital tools for underwater cultural heritage management. The case of the Campi Flegrei Archeological Park*

### 12:50-13:10 OPEN DISCUSSION

### 13:10-13:30 CONCLUSIONS

**Laura Lieto**, Deputy Mayor of the Municipality of Naples. *Exploring Common Interests: Marseille and Naples as Hubs for the Intersection of Science and Culture* [online]

**Pascal Liévaux** and **Vania Virgili**