



*Programme TraceRockArt*

En partenariat avec:

In partnership with:



IPANEMA



ANCIENT MATERIALS  
RESEARCH PLATFORM



NANOSCOPIUM



UNIVERSITÉ DE  
VERSAILLES  
ST-QUENTIN-EN-YVELINES



Analyzed location from Altamira cave © J. Tapia CNRS

Journée Scientifique  
Scientific workshop

# Prehistoric pigments vs. large scale facilities

07/07/2025

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AUDITORIUM

C2RMF

14 QUAI FRANÇOIS MITTERRAND - 75001 PARIS

*INSCRIPTION GRATUITE MAIS NÉCESSAIRE*

*AVANT LE 1<sup>ER</sup> JUILLET 2025 PAR COURRIEL /*

*REGISTRATION FREE OF CHARGE BUT REQUIRED*

*BEFORE 1<sup>ST</sup> OF JULY 2025 BY EMAIL:*

[AGNES.TROULLIER@CULTURE.GOUV.FR](mailto:AGNES.TROULLIER@CULTURE.GOUV.FR)

# Scientific programme Prehistoric pigments vs. large scale facilities



Analyzed location from Altamira cave © J. Tapia CNRS

9:30-10:00 Welcome Coffee

10:00 Introduction: Ina Reiche (Lab-BC) and Katharina Müller (IPANEMA)

10:10-12:40 Morning session: Chair: Sebastian Schöder (SOLEIL)

**10:10 – 10:50 1<sup>st</sup> Keynote lecture of the invited professor Rachel Popelka-Filcoff (Univ. Melbourne, Australia):**

*Provenancing Indigenous Australian rock art pigments*

*Session dedicated to early career researchers:*

10:50-11:20 José Tapia Reguera (XRAYLAB, Catania Italy) and coll.:  
*Elemental characterization using a combination of in-situ, laboratory and synchrotron-based techniques of prehistoric red coloring matter from the Franco-Cantabrian region. The cases of Font-de-Gaume, La Garma and Altamira*

11:20-11:40 Coffee break

11:40-12:10 Claire Chanteraud (EDYTEM) and coll.:  
*Why is it so difficult to work on geochemical composition of colouring iron oxide-rich rocks?*

12:10-12:40 Antoine Trosseau (Lab-BC) and coll.:  
*An innovative method of XRF signal isolation in bi-layered systems for characterizing red rock art*

12:40-14:00 Lunch break

14:00-16:45 Afternoon session: Chair Kadda Medjoubi (SOLEIL)

**14:00 – 14:30 2<sup>nd</sup> Keynote lecture of the invited professor Rachel Popelka-Filcoff (Univ. Melbourne, Australia):**

*Collaborative Archaeological Science of Indigenous Australian Cultural Materials*

14:30 – 15:00 Pablo Arias (Univ. Santander) and coll.:  
*Colorants in context: Evidence on the use and treatment of paint in La Garma cave during the Paleolithic*

15:00-15:30 Matthieu Lebon (MNHN) and coll.:  
*Challenges of in-situ quantitative analysis of rock art pigments (tbc)*

15:30-16:45 *Round table discussion on future perspectives:*  
 Chair Thomas Calligaro (C2RMF/Lab-BC)

**16:45-17:00 Conclusions of the workshop:** Ina Reiche (Lab-BC) and Katharina Müller (IPANEMA)

17:00 End of the meeting