

Round Table Conference

**Rock Art:
3D as a tool to mediate invisible reality?**

4th to 6th June 2008

This event is supported by CNRS and locale communities



New technologies are gaining a major place in the phases of recording, analysis and rendering of rock and cave art sites. 3D has become essential as communication support for researchers and mediation tool to the public. While creating an archive, it also allows to see and show, to inform and unveil, to convey interpretations and, “furtively”, a reality.

Revolving around the new centres in Roc-aux-Sorciers (Angles-sur-l’Anglin, Vienne) and Altamira (Santillana del Mar, Cantabria), the achievements shall be analysed from the point of view of the problematic, realisation and results. Reports of many initiatives in France will also be given. Mediation of rock art sites using a 3D support will be largely presented and debated. The role of the various actors in these projects will be dealt with, as well as questions of 3D recording, archiving and exploitation of these digital data to allow conservation of the originals and accessibility to the researchers, and to satisfy expectations of tomorrow publics.

These days will thus show that these technologies can find wider applications, at various scales, in the fields of heritage, its materials and environment. They are turned to a large variety of national and international actors, involved in the conservation, study or management of rock art sites. They shall favour exchanges and shall benefit from an international lightening thanks to the participation of the International Research Network “STAR”, a CNRS cooperation agreement between France and South Africa.

Coordinators:

Jean-Michel Geneste, conservateur général du patrimoine, head of Centre national de la préhistoire – Périgueux, conservator of Lascaux Cave and scientific director at Chauvet Cave.

Geneviève Pinçon, prehistorian and coordinator of the Architecture and Heritage Atlas, DAPA

Meeting place:

Salle des Combes at Angles sur l’Anglin

Wednesday 4th June 2008

- 09h00** **Opening**, with provincial and local authorities
- 09h30 – 10h30:** Welcome and introduction of the days, with **Geneviève Gallot**, head of Institut national du patrimoine and **Michel Clément**, directeur de l'architecture et du patrimoine (*to be confirmed*) and round the table presentations
- 10h30 – 11h15:** Introduction of the day
Geneviève Pinçon
- 11h15 – 12h00:** Presentation of Roc-aux-sorciers decorated rock shelter. **Jacques Buisson-Catil**, conservateur régional de l'archéologie, DRAC Poitou-Charentes and **Geneviève Pinçon** with **René Barré**, mayor of la Roche-Posay and **Bernard Doury**, president of Communauté de communes des Vals de Gartempe et Creuse
Short presentation of the method, scientific choices and specifications of the project
- 12h00 – 13h30:** Visit to the interpretation centre
- 13h30 – 15h00:** Lunch
- 15h00 – 15h30:** Introductory words
Jean-Michel Geneste,
- 15h30 – 18h00:** **Round table conference: Mediation of invisible reality in France and around the World**
- Chair person:** **Jose Antonio Lasheras**, director of Museo Nacional y Centro de Investigación de Altamira
- With **Geneviève Pinçon**, the example of Roc-aux-sorciers
Olivier Auber, cultural laboratory A+H, scenario and multimedia
Oscar Fuentes, prehistorian, director of the Roc-aux-sorciers interpretation centre
Philippe Comte, Guliver Design, museography and design
- Discussion with:** **Jean-Michel Geneste**, **Benjamin Smith**, lecturer at the University of the Witwatersrand, Johannesburg (South Africa), **Jose Antonio Lasheras** and the participants
- 18h30 – 20h30** **Visit of the original Roc aux Sorciers Shelter, in two groups of 20 people maximum**

Thursday 5th June 2008

Other choices and other forms of mediation

- Chair person:** **Dany Barraud**, conservateur régional de l'archéologie, DRAC Aquitaine
- 09h00 – 10h00:** Rendering with replicas: the choice for Altamira
Jose Antonio Lasheras and **Carmen De Las Heras**, conservator of Altamira Cave
- 10h00 – 10h30:** Exchanges and discussions
- 10h30 – 11h15:** **Another form of mediation: cinematographic rendering,**
Showing of the film on Marsoulas Cave (3mn)
the choice for Marsoulas
Marc Azéma, producer, Passé simple and associate researcher to UMR 5608 – TRACES,
Toulouse and Centre Cartailhac
Gilles Tosello, associate researcher to UMR 5608 – TRACES, Toulouse et Centre
Cartailhac
- 11h15 – 11h30:** Break
- 11h30 – 12h15:** Showing of the film “Breuil à Lascaux” (10 mn): the choice for Lascaux
Valérie Feruglio, associate researcher to UMR 7041 – ARCSCAN, Nanterre
- 12h15 – 13h00:** General discussion
- 13h00 – 14h30:** Lunch
- 14h30 – 16h45:** **Round Table: current 3D questions and experiences**
- Chair person:** **Isabelle Pallot-Frossard**, conservateur général du patrimoine, director of LRMH
- Romain Pigeaud**, associate researcher to UMR 5198, MNHN: Mayenne-Sciences Cave
Xavier Delestre, conservateur régional de l'archéologie, DRAC PACA: Cosquer Cave
Pascal Foucher, conservateur du patrimoine, DRAC Midi-Pyrénées: Gargas Cave
- 16h45 – 17h00:** Break
- 17h00 – 18h30:** Image manipulation
Introductory remarks, **Camille Bourdier**, PhD student, UMR 5199 PACEA,
Debate with **Jean-Michel Geneste** and **Francesco D'Errico**, senior researcher at UMR
5199 PACEA
- 18h30 – 20h30** **Visit of the original Roc aux Sorciers Shelter (second group of 20 people maximum)**

Friday 6th June 2008

- 09h00 – 12h00:** **How to build a 3D database: main principles for the specifications and mistakes to avoid**
- Chair person:** **Geneviève Pinçon,**
- 09h00 – 10h30:** The specifications, formulation of the needs by the client:
- A use of 3D database, the Lascaux simulator developed in a partnership with EDF, **Marie-Anne Sire**, conservateur en chef du patrimoine
Photogrammetry or 3D laser survey?
Michel Maumont, Centre national de la préhistoire
What quality for iconographic wrapping of 3D models,
Norbert Aujoulat, conservateur du patrimoine au Centre national de la préhistoire
- 10h30 – 10h45:** Break
- 10h45 – 12h15:** Specifications, the provider's point of view:
- Gaël Hamon**, Art graphique et patrimoine
Guy Perazio, cabinet Perazio
Guillaume Thibault, EDF-R&D engineer
- 12h15 – 12h30:** To make a study on the practices of 3D survey and rendering of cultural heritage, **Jean-Marie Besnier**, DSIAP DAPA
- 12h30 – 13h00:** Exchanges and discussions
- 13h00 – 14h30:** Lunch
- 14h15 – 16h15:** **Round Table: 3D, from macroscopic to microscopic**
- Chair person:** **Francesco d'Errico**
- A geomorphological approach to the physical environment of rock art
Jean-Jacques Delannoy, head of UMR 5204 - EDYTEM University of Savoie, Chambéry
3D visualisation in the analysis of prehistoric engraved plaquettes,
Nicolas Mélard, trainee conservator, post-doc C2RMF
Presentation to be defined,
Michel Menu, research engineer, head of the research department at C2RMF
Synchrotron SOLEIL, what uses?
Loïc Bertrand,
- 16h15 – 16h30:** Break
- 16h30 – 17h00:** Talk to be defined
Jacques Droulez, laboratory of perception and action physiology LPPA, UMR 7152, Collège de France
- 17h00 – 17h30:** Conclusion **Jean-Michel Geneste**