



# 1<sup>ST</sup> ANNUAL MEETING

## 29<sup>TH</sup> NOVEMBER 2023

### CEREGE - AIX EN PROVENCE

## AGENDA

### Tuesday 28<sup>th</sup> November

20:00 *Networking and welcome dinner*

### Wednesday 29<sup>th</sup> November

9:00 **Coordinator welcome, agenda of the day description**

Lead by Bruno Pace (Ud'A).

9:10 **Self-presentation of all the participants**

All

#### **WP1 - Earthquake Observations**

9:30 **General introduction of WP1 scientific goals**

Lead by Lucilla Benedetti (CNRS).

9:45 **Earthquake timing in complex fault zones: new approaches in paleoseismology**

Lead by John Jairo Gallego Montoya (UB), María Ortuño Candela (UB).

10:00 **Optimizing inversion of InSAR measurements for seismic hazard assessment in complex fault systems using seismo-thermo-mechanical models**

Lead by Maaïke Fonteijn (UGA).

10:15 **The seismic signatures of aseismic processes with deep learning powered monitoring**

Lead by Aurora Lambiase (ETH), Men-Andrin Meier (ETH).

10:30 **Linking fault damage zone mechanical and geometrical characteristics with fault seismic history**

Lead by Nayereh Sabour (CNRS), Lucilla Benedetti (CNRS).

10:45 **Work Package 1 discussion**

All

11:15 *Coffee break*

#### **WP2 - Earthquake Physics**

11:45 **General introduction of WP2 scientific goals**

Lead by Ylona van Dinther (UU).

12:00 **Flow to friction transition and back in carbonate rocks**

Lead by Elisabeth Kozlov (UU), Giulio Di Toro (UNIPD).

12:15 **Formation of fault damage zones in carbonates and their role in the seismic cycle**

Lead by Nolwen Venisse (UNIPD), Giulio Di Toro (UNIPD).



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- 12:30 **How tectonics affects seismic hazard parameters in complex continental settings**  
Lead by Alexander Koelzer (UU), Ylona van Dinther (UU).
- 12:45 **Integrating physics-based earthquake rupture models in seismic hazard assessments**  
Lead by Rachel Preca Trapani (LMU), Alice Gabriel (LMU).
- 13:00 **Work Package 2 discussion**  
All
- 13:30 *Lunch Break*
- WP3 - Earthquake Hazard and Risk**
- 14:30 **General introduction of WP3 scientific goals**  
Lead by Marco Pagani (GEM).
- 14:45 **Modelling synthetic catalogues of earthquake ruptures in complex interacting fault systems**  
Lead by Khatereh Saghatforoush (Ud'A), Bruno Pace (Ud'A).
- 15:00 **Modelling distributed seismicity using innovative approaches**  
Lead by Jarod Domenge (GEM), Marco Pagani (GEM).
- 15:15 **Assessment of the impact of advanced seismic hazard modelling approaches in earthquake risk**  
Lead by Julián Santiago Montejo Espitia(GEM), Vitor Silva (GEM).
- 15:30 **Work Package 3 discussion**  
All
- WP4 - Training and personal career development**
- 16:00 **Online lectures organization and schedule**  
Lead by David Marsan (UGA).
- WP5 - Communication, dissemination and exploitation of results**
- 16:10 **Communication and Dissemination update**  
Lead by María Ortuño Candela (UB).
- WP6 - Project management**
- 16:20 **Open science rules, upcoming deliverables and next appointments**  
Lead by Bruno Pace (Ud'A).
- 16:30 **Open discussion and conclusions**
- 17:00 **End of Meeting**



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