

## Session Program

20–23 mai 2025



## STEP'UP PhD Congress 2025

### *Posters*

IPGP  
1 rue Jussieu 75005 Paris

jeu. 22 mai

12:00

## Posters: Posters 1/2

Poster Session | Site: IPGP, 1 rue Jussieu 75005 Paris

**Dynamics of magma reservoir before and after volcanic eruptions at the Axial Volcano in the Eastern Pacific using time-lapse seismic imaging method**

**Orateur**

Yan Zhao

**Potential of Fluid-Mantle Interactions for Abiotic Organic Synthesis on Oceanic Transform Faults**

**Orateur**

Suzanne JOANNO

**Tsunami-Induced Ionospheric disturbances: détection challenges and methodological approaches**

**Orateur**

Clélia MARÉCHAL

**Noble gases in Archean hydrothermal quartz: Tracers of mantle geodynamics and xenon atmospheric escape**

**Orateur**

M. Felix Vayrac

**Redox Transfer at Sub-Arc Mantle: Insights from Petrology and Transitional Metal Stable Isotope (Fe, Zn, Cu) Geochemistry of Orogenic Peridotites**

**Orateur**

Ruksana Rose

**Detailed Three-dimensional Fault Model of the 2022 Mw 6.6 Luding Earthquake, Sichuan: Implications for Potential Seismic Risk in Southeastern Tibetan Plateau**

**Orateur**

Fang Xu

**Automatic Detection and Localization of earthquakes from the ionosphere via co-seismic ionospheric disturbances**

**Orateur**

Mlle Ines Dahlia Ouar

**Tracing subducted carbon cycling by potassium isotopes of carbonatites**

**Orateur**

Zhengyu Long

**Photogeodesy : GNSS, Acoustic and Photogrammetric fusion for underwater centimetric positioning**

**Orateur**

Hugo Reveneau

**Fault Structural Complexity and Rupture Characteristics of the 2021 Maduo Earthquake**

**Orateur**

Xin Liu

**Numerical Simulation Insights into the impact of tidal stress on seismicity**

**Orateur**  
Yishuo ZHOU

### Improving gamma spectrometry for radionuclide analysis of lunar and Martian regolith samples

**Orateur**  
M. Íñigo de Loyola Chacartegui Rojo

### Microbial community responses to repetitive heating and cooling in high-temperature aquifer thermal energy storage

**Orateur**  
Maud Watkinson

### Peering into the Planet : Novel Tools for Modelling Seismic Waves and Imaging Earth's Interior

**Orateur**  
Mlle Chahana Nagesh

### Studying eccentric supermassive black hole binaries in PTA

**Orateur**  
Sara Manzini

### Investigating the Tectonic Complexity of the Bulnay-Tsetserleg Fault Junction in Mongolia Using a Temporary Seismic Network

**Orateur**  
Laure Manceau

### A model of the magnetic field generated in the magnetosphere derived from ground observatory data

**Orateur**  
Yalei SHI

### The 2021–2022 Alboran-Al Hoceima Seismic Swarm: Seismic Relocation, Fault Reactivation, and the Role of Mantle-Derived Fluids

**Orateur**  
Hamza Akka

13:30

15:00

16:30

## Posters: Posters 2/2

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