



Journées Scientifiques **ISTO – OSUC – LMV – OPGC**

Organisation

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Manuel Moreira

Erwan Thebault



Mercredi 10 mai 2023 (Salle des Séminaires au LMV)

13h00 – 14h00

Café

14h00 – Michel Pichavant

Experimental simulation of basaltic volcanoes.

14h30 – Tahar Hammouda

Carbonatite eruption at sound speed.

15h00 – Roxane Buso

Extreme CO₂ concentrations in primary magmas of recent volcanic provinces of the French Massif Central: the case of the Bas-Vivarais volcanoes, Ardèche, France.

15h30 – Ken Koga

Melt embayment profile and disequilibrium degassing.

16h00 – 16h30

Pause

16h30 – Hugh O'Neill

The relationship between H₂O and oxidation state in ocean floor basalts.

17h00 – Muriel Laubier

Determination of the oxidation state of arc primary melts using two f_{O_2} proxies.

17h30 – Ida DiCarlo

The secret life of Stromboli: what experimental petrology can say?

18h00 – Marine Boulanger

Consequences of mush-dominated environments on the evolution of magma reservoirs: oceanic crust-based processes and perspectives.

Jeudi 11 mai 2023 (Salle des Séminaires au LMV)

08h30 – 09h00

Café (Salle Chaîne des Puys)

09h00 – Etienne Médard

Magma storage under the “Chaîne des Puys” volcanic field: improving accuracy by combining experiments and barometry.

09h30 – Juan Andujar

Conditions of formation and storage of phonolitic melts in intraplate volcanic islands: Canary and Mayotte.

10h00 – Tristan Lacombe

The phonolitic volcanism of Petite Terre (Mayotte, Indian Ocean) and its trans-lithospheric feeding system.

10h30 – 11h00

Pause (Salle Chaîne des Puys)

11h00 – Lucia Gurioli

Exsolution, degassing and outgassing of submarine magmas offshore Mayotte, Indian Ocean.

11h30 – Monika Rusiecka

Nucleation delay of plagioclase in water-saturated rhyolite during decompression in shallow volcanic systems.

12h00 – Bertrand Moine

Archean oceanic crust in the cratonic mantle roots: stable isotopes evidences.

12h30 – 14h00

Déjeuner (Salle Chaîne des Puys)

Jeudi 11 mai 2023 (Salle des Séminaires au LMV)

- 14h00** – Austin Gion Modeling the Composition of Magmatic-Hydrothermal Fluids from Experimental Constraints.
- 14h30** – Emmanuel Gardès The lower limit of (CO₂+H₂O)-assisted melting in the oceanic upper mantle.
- 15h00** – Mickael Laumonier Effet des volatils sur la fusion partielle du manteau et le volcanisme en contexte continental : exemple du Cézallier.
- 15h30 – 16h00** **Pause (Salle Chaîne des Puys)**
- 16h00** – Giada Iacono-Marziano Sulfide melts in mafic ultramafic magmas, degassing and ore processes.
- 16h30** – Olgeir Sigmarsson Fast mantle melt aggregation, supply and magma effusion rate.
- 17h00** – Table ronde autour des collaborations, formation par la recherche et les échanges entre OSUC – ISTO – LMV et OPGC
- 20h00** – **Diner**

vendredi 12 mai 2023 (Salle des Séminaires au LMV)

09h00 – 09h30

Café (Salle Chaîne des Puys)

09h30 – Federica Schiavi

Analyses des volatils par spectrométrie Raman.

10h00 – Nathalie Bolfan-Casanova

Hydrogène dans le manteau Terrestre.

10h30 – Manuel Moreira

Pression de l'atmosphère terrestre primitive riche en H et He.

11h00 – Tristan Engels

Large impacts and their contribution to the water budget of the Early Moon.

11h30 – Fabrice Gaillard

Siderophile, lithophile, or atmophile? Experimentation and Modeling of the C-H-N-S-O elements during planetary accretion.

12h00 – 14h00

Déjeuner (Salle Chaîne des Puys)