A scientific life under ultra-high pressure: tribute to Christian Chopin

Monday October 16th

9:00-10:00  Accueil - café @ la Rotonde, Salle Dussane

10:00  Welcome address - Stéphane Guillot (CNRS) & Alexandre Schubnel (LGENS)

Session 1 – High-Pressure metamorphism

10:10  Philippe Agard (Sorbonne U.) – High-pressure metamorphism in the Alps: an outlook from the ocean and from the continent
10:35  Pierre Lanari (U. Bern) – Approaches for deciphering the complex life of high-pressure minerals
11:00  Samuel Angiboust (ENS Lyon) – Jadeitites formation and deformation
11:25  Matteo Alvaro & Ross Angel (U. Pavia) – Inclusion barometry - past, present and future

12:00-13:35  Lunch break

Session 2 – Metamorphic and experimental petrology

13:35  Dave Pattison (U. Calgary) – Barrovian through contact-metamorphosed metapelites: the natural record
14:00  Nadia Malaspina (U. Milano-Bicocca) – The role of multiphase inclusions as natural microreactors to investigate unusual mineral assemblages at ultrahigh pressure
14:25  Sarah Incel (UniL) – Deformation and reaction of crustal rocks under high-pressure, high-temperature conditions
14:50  Nathalie Bolfan-Casanova (LMV, U. Clermont-Ferrand) – Experimental constraints on redox conditions of serpentinite dehydration in subduction zones

15:15-15:45  Coffee break

Session 3 – Alpine metamorphism (oceanic subduction)

15:45  Baptiste Debret (IPGP) – Redox heterogeneities in a subducting slab: Example from the Monviso meta-ophiolite (Western Alps, Italy)
16:10  Clément Herviou (U. Lyon) – Fluid circulation and deformation in the Schistes Lustrés complex (Western Alps): Implications for subduction-zone processes
16:35  Marco Scambelluri (U. Genoa) – Eclogitization of the oceanic lithosphere by hydration of brittle structures
17:00  Alexis Plunder (BRGM) – Alpine metamorphism through high-resolution thin section pictures
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09:00 Coffee

**Session 3 – Alpine metamorphism (Dora-Maira)**

09:15 Michel Ballèvre (Géosciences Rennes) & Paola Manzotti (U. Stockholm) – *News from the North: in search of other UHP rocks in the Dora-Maira Massif*  
09:50 Chiara Groppo (U. Torino) – *Last but not least: the southern Dora-Maira Massif 40 years after Christian*  
10:15 Guillaume Bonnet (U. Bern) – *Chronology of nappe-stacking in the Dora-Maira massif*

10:40-11:10 Coffee break

**Session 4 – Metamorphic and exotic minerals**

11:10 Benjamin Malvoisin (ISTerre Grenoble) – *Tracking a new high-pressure phase in serpentinites: Christian also made discoveries in ultramafic rocks!*  
11:35 Frédéric Hatert (U. Liège) – *Crystal chemistry and nomenclature of pegmatitic iron-manganese phosphates*

12:00-13:35 Lunch break

**Session 4 – Metamorphic and exotic minerals (continued)**

13:35 Thomas Ambruster (U. Bern) – *Phosphates and more: 30 years of collaboration with Christian Chopin*  
14:00 Fabrice Brunet (ISTerre Grenoble) – *Chopinite relevance: from meteorites to energy storage*  
14:25 Bénédicte Cenki (Géosciences Montpellier) & Emilie Janots (ISTerre Grenoble) – *Accessory Minerals under high pressure! Keys to the energy and digital transition*

15:00-15:30 Coffee break

15:30 Christian Chopin (LGENS) – *Even more phosphates?!*  
16:15 Personal messages

17:00 Farewell

*For those interested, possible visit of the Collection des minéraux de Sorbonne Université*