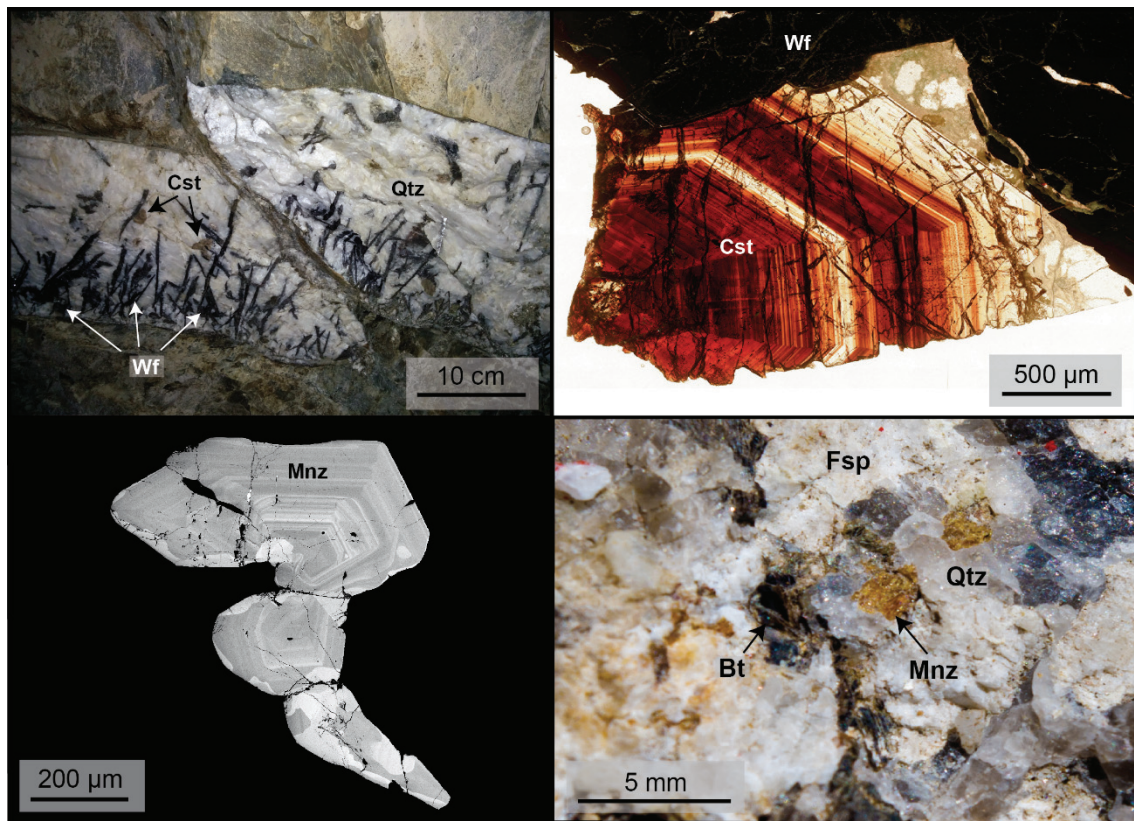


# Recent advances in W-Sn and Rare Metal mineral system



**December 14<sup>th</sup> to December 15<sup>th</sup>  
2017**

**Nancy, FRANCE**

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## DAY 1 - Thursday 14<sup>th</sup> of December 2017

### W-Sn Metallogenesis

- 8h00 Welcoming
- 8h30 Introduction - *Julien Mercadier (GeoRessources, France)*
- PART 1.**
- 8h40 Contrasting pegmatite and greisen Sn-W-Mo mineralization styles in the Erzgebirge - *David Dolejs (Freiburg, Allemagne)*
- 9h00 Tracing metal sources in peribatholithic hydrothermal W deposits based on the chemical composition of wolframite: the example of the Variscan French Massif Central - *Matthieu Harlaux (Université de Genève, Suisse)*
- 9h20 Comparison of Sn-W&LCT and Au in the Variscan belt - *Rolf Romer (GFZ Potsdam, Germany)*
- 9h40 Fluid inclusions in wolframite - *Volker Lüders (GFZ Potsdam, Germany)*

**10h00 Coffee Break and poster session - You wish to propose a poster on Sn-W and/or rare metals, just do and come with...**

### PART 2.

- 10h40 Panasqueira (New ores) - *Christian Marignac, Michel Cathelineau, Eleonora Carocci (GeoRessources, France)*
- 11h00 The reconstruction of the hydrothermal flow leading to the W deposit of Panasqueira - *Stanislas Sizaret (ISTO, France)*
- 11h20 Last development for in-situ U-Pb dating of W-Sn-Nb-Ta minerals by SIMS - *Julien Mercadier (GeoRessources, France), Etienne Deloule (CRPG, France)*
- 11h40 Use of trace elements and O isotopes for tracing the geographical provenance of spinels - *Gaston Giuliani (CRPG/IRD, France)*

**12h30 Free lunch**

14h30 H el ene LEGROS PHD defense

17h00 Jury deliberation

**17h30 Festivities**

## DAY 2 - Friday 15<sup>th</sup> of December 2017

### REE mineral systems From crustal differentiation to REE magmatic deposits

- 8h00 Welcoming
- 8h30 Introduction - *Anne-Sylvie Andr e-Mayer (GeoRessources, France)*
- PART 1. Crust differentiation**
- 8h40 Differentiation of orogenic crust - *Olivier Vanderhaeghe (GET, France)*
- 9h00 Metamorphic core complexes, orogenic lid, and regional transtensional cross-folds: signals of profound orogenic collapse in the western Grenville Province - *Toby Rivers (Memorial University, Canada)*
- 9h20 Does zircon only grows during cooling in migmatites? A counter example from the Canadian Cordillera and implication for Ti-in zircon thermometry - *F elix Gervais (Polytechnique Montr eal), James L. Crowley (Boise State University, USA)*
- 9h40 Crystallisation experiments of monazite and other rare-metal accessory minerals: what they tell us about pegmatite-forming processes - *Marieke Van Lichtenvelde (IRD/GET, France), Aur elien Eglinger (GeoRessources, France), Philippe Goncalves (Chrono-Environnement, France)*

### PART 2. Multiscale REE enrichments in the continental crust

- 10h40 REE and other critical metals associated with post-collisional alkaline igneous complexes - *Kathryn Goodenough (BGS, UK)*
- 11h00 Chemical fractionation in granite-related Ta-Nb-Sn-W ore systems - *Niels Hulsboch (KU Leuven, Belgium), Stijn Dewaele (Mus e Royal de l'Afrique Centrale, Belgium), Philippe Muchez (KU Leuven, Belgium)*
- 11h20 The Gakara project in Burundi: "one of the world's richest Rare Earth deposits" - *Philippe Boulvais (G eosciences Rennes, France)*
- 11h40 The many faces of zircon from the REE-rich alkaline Ambohimirahavavy complex in Madagascar - *Guillaume Estrade, Stefano Salvi, Didier B eziat (GET, France), Marc Poujol (G eosciences Rennes)*

**12h00 Free lunch**

14h30 Fran ois TURLIN PHD defense

17h00 Jury deliberation

**17h30 Festivities**