

Tuesday, May 16th

Workshop introduction - 8h30

Gaétan Milesi (GeoRessources Nancy) and Patrick Ledru (Support expert LabCom CREGU)
Dynamics of hydrothermal systems: Favorability criteria

Nicolas Flotté (Orano) - Challenges and opportunities for uranium exploration

Fluid interaction session - 9h

Conveners: Nicolas Flotté (Orano) and Gianreto Manataschal (ITES Strasbourg)

Magdalena Anderson and Grant Harisson (Orano) - Exploration workflow of Orano Canada on Unconformity Related Uranium (URU) deposits

Patricia Patrier (IC2MP Poitiers) - Past to present dynamics of hydrothermal systems through clay minerals investigations (Active versus fossil hydrothermal systems - Magmatic versus amagmatic hydrothermal systems)

Philippe Münch (Géosciences Montpellier) - $^{40}\text{Ar}/^{39}\text{Ar}$ dating of illite in hydrothermal systems, some examples from Soultz

Anne Verlaguet (ISTEP Paris) - Fluid pathways and thermal fingerprints in high-enthalpy geothermal systems from back-arc settings: insights from both exhumed and active detachments from the Aegean-Anatolian region

Bernard Sanjuan (BRGM) - Controls of the chemistry of the geothermal waters, including trace elements

Geophysics session - 14h

Conveners: Jean-François Girard (EOST Strasbourg) and Ali Mohand-Said (ITES Strasbourg)

Élodie Williard and Grant Harisson (Orano) - Geophysical exploration for uranium in Athabasca: Orano vision

Wolfgang Soyer and Jean-Luc Formento (CGG) - Imaging hydrothermal systems with integrated solutions from CGG Multiphysics.

Mathieu Darnet (BRGM) - Electromagnetic imaging of deep geothermal resources

Vincent Maurer (Electricité de Strasbourg) - Geothermal exploration evolution related to managing seismic hazard: example from the Rhine graben

Mathieu Bellanger (TLS Geothermics) - Hidden crustal fault zone geothermal system: insight from geophysics. The GEOPULSE case study.

Followed by discussion and poster session

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Fault and reservoirs session - 8h30

Conveners: Judith Sausse (ENSG Nancy) and Thomas Obin (GeoRessources Nancy)

Olivier Gerbeaud (Orano) - Characterizing complex structural architectures under cover, a major stake for exploration in Athabasca

Christel Dezayes (BRGM) - An Analogue Approach to Characterize the Basement-Sediment Transition Zone as a Geothermal Reservoir

Claire Bossennec (GFZ Potsdam) - Multiscale analysis of deformation and diagenetic processes in the Buntsandstein Gp. sandstones, impact on transfer properties and reconstruction of fluid flow paths in an intra-continental rift geothermal system.

Delphine Charpentier (Chrono-environnement Besançon) - Characterization of temperature and chemical conditions of fluids circulation in fault zones

Roger Soliva (Géosciences Montpellier) - Structural control on geothermal anomaly: the exemple of the Têt fault hydrothermal system

Hugo Duwiquet (IFP Energies Nouvelles) - Crustal Fault Zone a geothermal power systems. Contribution of Numerical modeling and comparison with natural systems