Workshop Geo-energies SCCER-Soe

June 5th, 2018

École Polytechnique Fédérale de Lausanne, room BM 5202

SCCER SoE
SWISS COMPETENCE CENTER for ENERGY RESEARCH
SUPPLY of ELECTRICITY

ÉCOLE POLYTECHNIQUE
FÉDÉRALE DE LAUSANNE

Program

	9h30 - 10h00	**Welcome Coffee**
1	10h00	**Introduction by Lyesse Laloui SCCER-SoE WP1 leader**
2	10h10	**GUIDATI Gianfranco** (**SCCER-SoE manager**) Scenarios for a low-CO_2 Swiss energy system – the role of geoenergy
3	10h25	**MINARDI Alberto** (EPFL-LMS) CO_2 injection experiment in shale caprock
4	10h40	**GREENWOOD Andrew** (UNIL) Fracture characterisation from hydrophone VSP data.
5	10h55	**CIARDO Federico** (EPFL-GEL) Effect of fault/joint dilatancy on the nucleation of dynamic rupture induced by fluid injection.
6	11h10	**CASPARI Eva** (UNIL) Characterization of fractures in the damage zone of a shear fault with geophysical borehole methods.
7	11h25	**KAKURINA Maria** (UniNe -CHYN) How does the 3D displacement data during a fault reactivation experiment can improve the estimation of the in-situ stress.
8	11h40	**FRYER Barnaby** (EPFL-LMS) Hazard and risk assessment of large seismic events owing to fluid injection
	12h00 - 14h00	**Lunch break**
9	14h00	**MINDEL Julian** (ETH) Developing a TH(M)C Simulation tool: Challenges & Progress
10	14h15	**BARBOSA Nicolas** (UNIL) Estimation of fracture compliance from seismic attenuation and velocity analysis of full-waveform sonic log data.
11	14h30	**DAHRABOU Asmae** (UniNe -CHYN) Workflow for managing deep deviated geothermal well stability.
12	14h45	**ZIA Haseeb** (EPFL-GEL) PyFrac : an open-source simulator for the growth of mode I Planar 3D hydraulic fractures.

13	15h00	**DUTLER Nathan** (UniNe) Observations of fracture propagation during decameter-scale hydraulic fracturing experiments
14	15h15	**BLUM Thomas** (EPFL-GEL) A Polyaxial rig for hydraulic stimulation at the lab scale with extensive acoustic monitoring.
15	15h30	**VILLIGER Linus** (ETH-SED) Seismicity and Deformation observed during decameter-scale hydraulic shearing experiments
	16h00	**End of the workshop**

Each presentation should be 10-12 minutes plus 3 minutes for questions.

How to reach EPFL and workshop room

By public transportation

- from the Lausanne train station, take the metro line **M2** in direction ***Croisettes*** and get off at the stop ***Lausanne-Flon;***
- take the metro line **M1** in direction ***Renens*** and get off at the stop ***EPFL***;
- see the map below to reach the workshop room (BM 5202) from EPFL metro station.