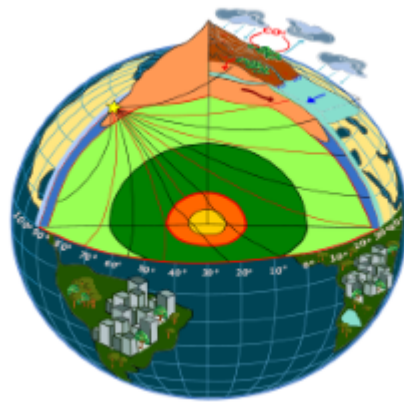


Congress of PhD students 2021-2022

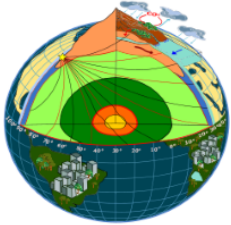


We are delighted to announce that this session can be done in person!

The congress will take place on 25th November at the “**amphitheatre of the doctoral college**”, 46 boulevard de la Victoire in Strasbourg.



The congress in 5 points



A talk session and a poster session on the 25th of November 2021 with a total of **36 presentations!**



The perfect occasion to meet new people, share sciences and win the best oral and poster price!



4 topics:

- Hydrology and Geothermal Reservoirs
- Fifty shades of deformation processes: from Earthquakes to Plate Tectonics
- Laboratory Experiments and Dataset Models
- Pollution, Environment and Health



A **KeyNote** from Ehret Uwe : “Be certain about uncertainty - why knowledge about uncertainty is important, and how information theory can serve as a framework to analyse and quantify it”




For any questions do not hesitate to contact us at congresdesdoctorantsed413@gmail.com. You also will find a lot of information on the congress **website**.

Schedule of the day

Appointment at 08:00 am at the amphitheatre of the doctoral college and opening of the oral presentations at 08:15 am with the KeyNote !

We are very honored to receive Dr. Ehret Uwe, researcher at the Institute of Water and Water Development at the KIT Institut (Karlsruher Institut für Technologie).

08:15 to 08:45	Dr. Ehret Uwe
“Be certain about uncertainty - why knowledge about uncertainty is important, and how information theory can serve as a framework to analyse and quantify it”	 Karlsruher Institut für Technologie

Oral presentations

The oral day is divided in 4 sessions (2 in the morning, 2 in the afternoon), each session being dedicated to one the following topics:

- o Hydrology and Geothermal Reservoirs
- o Fifty shades of deformation processes: from Earthquakes to Plate Tectonics
- o Laboratory Experiments and Dataset Models
- o Pollution, Environment and Health

For more information, please see the detailed program in the next pages.

Poster Session

At lunch time, poster editors will be present to discuss their research project ! This session will be held between 12:00 and 14:00 in the indoor garden of the European Doctoral College.

Session I. Hydrology and Geothermal Reservoirs (from 08:45 to 10:20)



Injection well at the Theistareykir geothermal power plant (Iceland)

08:45 to 09:00	Cassandra EUZEN (LIVE)
Geomorphology, geochemistry and geochronology to characterize the trajectory of an anthropized hydrosystem from the 19th century to today.	
09:05 to 09:20	Kamel DRIF (ITES)
Faulting and hydraulic energy balance during fluid injection in the Soultz-sous-Forêts geothermal reservoir	
09:25 to 09:40	Rohianuu MOUA (ITES)
Ground Penetrating radar's capacity to identify a subsurface's hydrodynamic parameters during an infiltration experiment	
09:45 to 10:00	Bashayer ALSHAMMARI (ITES)
Modeling of seawater intrusion in coastal aquifer at Kuwait City	
10:05 to 10:20	Daniel Steven MORENO MARTIN (ITES)
Interest of the study of heat transfer in the understanding of hydrodynamics in watersheds : Case of the Strengbach catchment	



Take a break and join us for coffee and pastries (from 10:20 to 10:50)

Session II. Fifty shades of deformation processes: from Earthquakes to Plate Tectonics (from 11:00 to 12:10)



Deep seated gravitational slope deformation in the alpine mountains

10:55 to 11:10	Clément BOIVIN (ITES)
Inventory and morpho-structural analysis of Deep Seated Gravitational Slope Deformation in the Queyras sector	
11:15 to 11:30	Emmanuel CABALLERO LEYVA (ITES)
Revisiting the 2015 Mw=8.3 Illapel Earthquake	
11:35 to 11:50	Nicolas MERCURY (BRGM/ITES)
In-depth study of the onset of a major seismo-volcanic sequence: the 2018-2021 seismo-volcanic sequence, east of Mayotte, Comoros islands	
11:55 to 12:10	Weiwei SHU (ITES)
Role of asperities on the transition from seismic to aseismic slip using an experimental fault slip system	



Time for lunch and poster session !! Join us for a snack prepared by our caterer and take the opportunity to discuss and meet the PhD students and supervisors (from 12:10 to 13:30)

Session III. Laboratory Experiments and Dataset Models (from 13:35 to 15:50)

13:35 to 13:50	Laciel ALONSO-LLANES (ITES)
Sink vs. tilt penetration into shaken dry granular matter: the role of foundation	
13:55 to 14:10	Lucille CARBILLET (ITES)
Cooking fake rocks in the laboratory: preparing “sandstones” with known microstructural attributes	
14:15 to 14:30	Qinglin DENG (ITES)
Numerical investigation on hydro-mechanical properties evolution of a fractured rock due to fracture closure	
14:35 to 14:50	Franck LATTALERIE (ITES)
Finite-frequency Rayleigh-wave BackusGilbert tomography: Toward a surface-wave tomographic model with full 3D resolution and uncertainties	
14:55 to 15:10	Monica AQUINO GUERRA (ITES)
Joint one-dimensional inversion of Magnetotelluric Data and Surface-Wave Dispersion Curves using Correspondence Maps	
15:15 to 15:30	Samira Sadat SOLTANI (ENGEES/ITES)
Assimilating remotely sensed data into a hydrological model	
15:35 to 15:50	Sara TABRIZINEJADAS (ENGEES/ITES)
Robust numerical model for reactive-thermohaline convection of CO ₂ in brine saturated reservoir	



Take a last break and join us for a coffee (from 15:50 to 16:20)

Session IV. Pollution, Environment and Health (from 16:25 to 18:00)

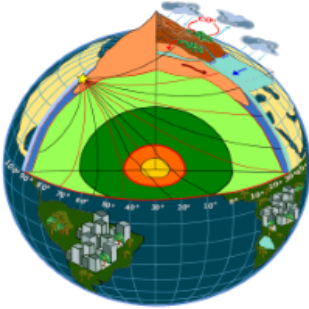


The old Rhine, nearby Fessenheim

16:25 to 16:40	Tobias JUNGINGER (ITES)
Laboratory and Field Scale Experiments to Trace Degradation and Reactive Transport of the Urban Biocide Terbutryn	
16:45 to 17:00	Maria PRIETO ESPINOZA (ITES)
Groundwater table dynamics affect dichloromethane biodegradation: an integrative experimental and modeling approach	
17:05 to 17:20	Valentin SIMONCIC (LIVE)
Adverse Birth Outcomes Related to NO ₂ and PM Exposure	
17:25 to 17:40	Marco Andres GUEVARA LUNA (LIVE)
Evaluation of strategies toward an effective and sustainable energy transition for Cuba	



Don't forget to vote for the best presentation and the best poster !!!



CONGRÈS DES DOCTORANTS 2021