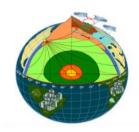






Congress of PhD students 2020-2021

The congress in 5 points



A talk session the 2nd of February 2021 and a poster session the 9th of February 2021 with a total of **38 presentations**!



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









- Fifty shades of deformation processes
- Geothermal reservoirs and fluid-rock interactions
- Near-surface hydrology: from the lab to the global scale
- Anthropogenic impact on the environment: make landscape, air and water quality great again!



A **KeyNote** from Christelle Roy : "Projet de territoire de Fessenheim : un engagement de la communauté scientifique dans une transition énergétique et environnementale réussie au sein de l'Europe"



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

Oral presentation day (The 2nd of February)

Due to the COVID pandemic, the oral presentation day will take place fully remotely on Big Blue Button. Please find below the connection link:

Link to the Congress room

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:

- Fifty shades of deformation processes
- Geothermal reservoirs and fluid-rock interactions
- Near-surface hydrology: from the lab to the global scale
- Anthropogenic impact on the environment: make landscape, air and water quality great again!

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

Opening of the day (the 2nd of February, from 08:00 to 08:15)



Rendez-vous to the <u>main congress room</u> for the welcoming speech, and for drinking a coffee together!

KeyNote from Christelle Roy (the 2nd of February, from 08:15 to 08:45)

We are very honored to receive Ms. Christelle Roy, vice president of Strategy and development at the University of Strasbourg. Ms. Roy will give a talk about the involvement of the scientific community toward a successful environmental and energy transition in Europa. She will focus on the case of the dismantling of the Fessenheim nuclear power plant. For more details, please visit the <u>page of the project</u>.

08:15 to 08:45	Christelle Roy (vice president of the chair "Strategy & development" at Strasbourg University)

Projet de territoire de Fessenheim : un engagement de la communauté scientifique dans une transition énergétique et environnementale réussie au sein de l'Europe.

Geothermal reservoirs and fluid-rock interactions (the 2nd of February, from 09:00 to 10:35)



Injection well at the Theistareykir geothermal power plant (Iceland)

9:00 to 09:15 Jean-Baptiste MATHIEU (LhyGes/ITES)

Computation and use of pressure loss and enthalpy variation table in well layout optimization context

9:20 to 9:35 Julien PORTE (IPGS/ITES)

Complex resistivity inversion using Controlled Source Electromagnetic method

9:40 to 9:55 Carole GLAAS (IPGS/ITES)

Clay mineralogy: a signature of granitic geothermal reservoirs of central Upper Rhine Graben

10:00 to 10:15 Flora HOCHSCHEID (IPGS/ITES)

Geochemical study of serpentinization along an ocean-continent transition zone: The Alpine Tethys as a case study (SE-Switzerland)

10:20 to 10:35 dariush JAVANI (IPGS/ITES)

Hydro-Mechanical Modeling of the Year 2000 Hydraulic Stimulation of GPK2 Well, Soultz-sous-Forêts, France

Fifty shades of deformation processes: from Earthquakes to plate tectonics (the 2nd of February, from 10:40 to 12:35)



Deep seated gravitational slope deformation in the alpine mountains

10:40 to 10:55	Luc MOUTOTE (IPGS/ITES)

Low significance of foreshock activity in Southern California

11:0	00 to 1	1:15		E	Emn	nar	nue	I C	ABA	LLE	ROL	.EY	VA	(IF	PGS	3/ITE	ES))
			 					• .										

Insight on rupture dynamics from probabilistic fault models of the 2014 Iquique

	11:	20 to	11:3	35				Luc	ille	CAR	BIL	LE	T (IP	GS	/ITE	ES)	
_					 					"							

Cooking synthetic rocks in the laboratory: preparing "sandstones" with known microstructural attributes

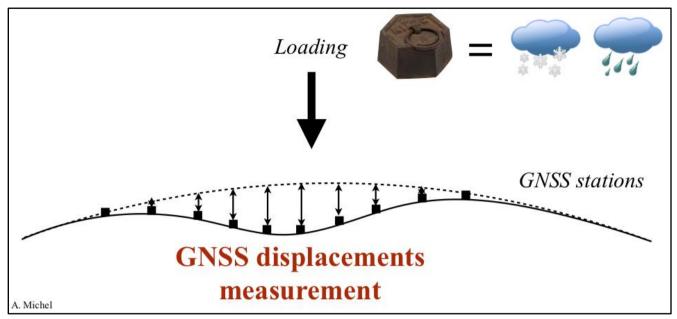
11:40 to 11:55	Peng CHAO (IPGS/ITES)

The tectono-stratigraphic and magmatic evolution of conjugate rifted margins: insights from the NW South China Sea

12:00 to 12:15	Thifhelimbilu faith MULABISANA (IPGS/ITES)
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Active Tectonics, Crustal Deformation and Seismotectonic background for a realistic Seismic Hazard Assessment in southern Africa

Near-surface hydrology: from the lab to the global scale (the 2nd of February, from 13:30 to 15:30)



Displacement of the ground in response to hydrological loading

13:30 to 13:45	Minghe ZHANG (IPGS/ITES)
	or Estimating Hydraulic Properties of Unsaturated andy Soils

13:50 to 14:05	Hugo LECOMTE (IPGS/ITES)
Study of the accu	racy of GRACE products

14:10 to 14:25	Alexandre MICHEL (IPGS/ITES)
	` '

Surface seasonal deformations in western Europe computed from a massive GNSS processing of a global network with the GINS/PC software

14:30 to 14:45	Quentin CHAFFAUT (IPGS/ITES)					
Time-lapse gravimetry as a tool to calibrate a physically based distributed hydrological						
model						

14:50 to 15:05	Daniel Steven MORENOMARTIN (LHyGeS/ITES)				
Hydrodynamic and thermodynamic simulation in the Strengbach catchment					

15:10 to 15:25	Mouna Chaguer (LHyGeS/ITES)						
Development of the integrated hydrological model NIHM: Implementation of transport							
pi	processes						

Anthropogenic impact on the environment: make landscape, air and water quality great again! (the 2nd of February, from 15:30 to 17:00)



The old Rhine, nearby Fessenheim

15:30 to 15:45 Marcoand

Marcoandres GUEVERALUNA (LIVE)

Analysis of energy transition in the Trinational Metropolitan Region Oberrhein region

15:50 to 16:05

Mariadelourdes PRIETOESPINOZA (LHyGeS/ITES)

Reactive transport of dichloromethane and micropollutants in laboratory aquifers: an integrative approach

16:10 to 16:25

Benjamin KELLER (LIVE)

Geohistory and geoarchaeology of agrarian landscapes in Grand Est: Shapes, plots and territories

16:30 to 16:45

Caline LY KENG (LIVE)

Industrial releases and its impact on the Upper Rhine river: geo-history and legal approaches

16:50 to 17:05

Angela OSORIO (LIVE)

Management and ecological restoration of the protected areas of the "Bande rhénane": construction of a participatory and adaptive methodology

Poster day (the 9th of February, morning only)

Poster presentations will take place remotely on the BigBlueButton platform in the morning of the 9th of February. It consists in two consecutive sessions merging all the thematic.

Please find below the connection link to the main congress room:

Link to the Congress room



For helping attendees to prepare question about the work of their colleague, poster together with a small presenting soundtrack will be made available two days in advance on the congress website.



Each presenter will have his own virtual room on the BigBlueButton platform, the link is already available (please see the detailed program in the next pages). You will need to be ready for any questions from visitors and be present throughout the session (About 1h30). If you have any question you will find somebody in the main congress room.

Opening of the day (the 9th of February, from 8:45 to 9:00)



Rendez-vous to the <u>main congress room</u> for the welcoming speech, and for drinking a coffee together!

Session 1 (the 9th of February, from 9:00 to 10:30)

9:00 to 10:30	Sara TABRIZINEJADAS (LHyGeS/ITES)
	dels for electro diffusion process in porous media Planck-Poisson Equation
	BBB link
0.00 (- 40.00	Marrian AQUINQQUEDDA (IDQQ(ITEQ)
9:00 to 10:30	Monica AQUINOGUERRA (IPGS/ITES)
	Passive Geophysical Data
	BBB link
9:00 to 10:30	Qinglin DENG (IPGS/ITES)
Anisotropy of hydraulic diffusivity due to fracture surface roughness and fracture closure	
ļ	BBB link
9:00 to 10:30	Virginie HAMANN (LIVE)
	e social inequalities in the physical activities of eurometrople of Strasbourg – (ENVIFEM)
	BBB link
9:00 to 10:30	John VILLAR (LIVE)
Des	irable Cities
	BBB link
9:00 to 10:30	Cassandra EUZEN (LIVE)
Anthropogenic trajectory in the Upper Rhine through the dynamics and the composition of the sedimentary deposits	
	BBB link
9:00 to 10:30	Somironadat SOLTANII (LHVCoS/ITES)
	Samirasadat SOLTANI (LHyGeS/ITES)
Estimation of groundwater storage usin	ng assimilating GRACE TWSA into hydrological model
	BBB link
9:00 to 10:30	Bashayer AL-SHAMMARI (LHyGeS/ITES)
Modeling of seawater intrusion in coastal aquifer at Kuwait city	
	BBB link

Session 2 (the 9th of February, from 10:45 to 12:15)

10:45 to 12:15	Valentin SIMONCIC (LIVE)
Adverse Birth Ou	tcomes Related to NO2 and PM Exposure
	BBB link
10:45 to 12:15	Quentin POTEREK (LIVE)
Unprecedented and ancient spatial d	ata for assessing the effect of past changes on current floristic biodiversity
	BBB link
10:45 to 12:15	Romain WENGER (LIVE)
U-Net for multi-class classification usin	ng imbalanced dataset: Application on urban areas in Grand Est
	BBB link
10:45 to 12:15	Kamel DRIF (IPGS/ITES)
Source parame	eters of the MI3.0 Strasbourg Earthquake
	BBB link
10:45 to 12:15	Tobias JUNGINGER (LHyGeS/ITES)
Leaching and transformation of the urb	ban triazine biocide terbutryn: insights from Compound-Specific Isotope Analysis
	BBB link
10:45 to 12:15	Nicolas MERCURY (IPGS/ITES)
	is, east of Mayotte, Comoros islands: in-depth study of poorly ented first months of the sequence
	BBB link
10:45 to 12:15	Franck LATALLERIE (IPGS/ITES)
	mographic Models for Quantitative Analysis: A Surface Wave Example From the Pacific
	BBB link
10:45 to 12:15	Rohianuu MOUA (IPGS/ITES)
Parametrization of hyd	rogeological models using geophysical methods
	BBB link

10:45 to 12:15

Clément BOIVIN (IPGS/ITES)

Long and short-time evolution of deep-seated gravitational slope deformation: contribution to knowledge of phenomena for the management of alea in the alpine mountains

BBB link

Award announcement (the 9th of February, from 12:20 to 12:40)

Framadate



Vote for the best poster of the congress!



best poster election

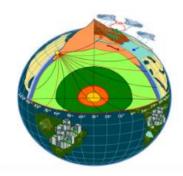
Framadate



Vote for the best talk of the congress!



best talk election



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