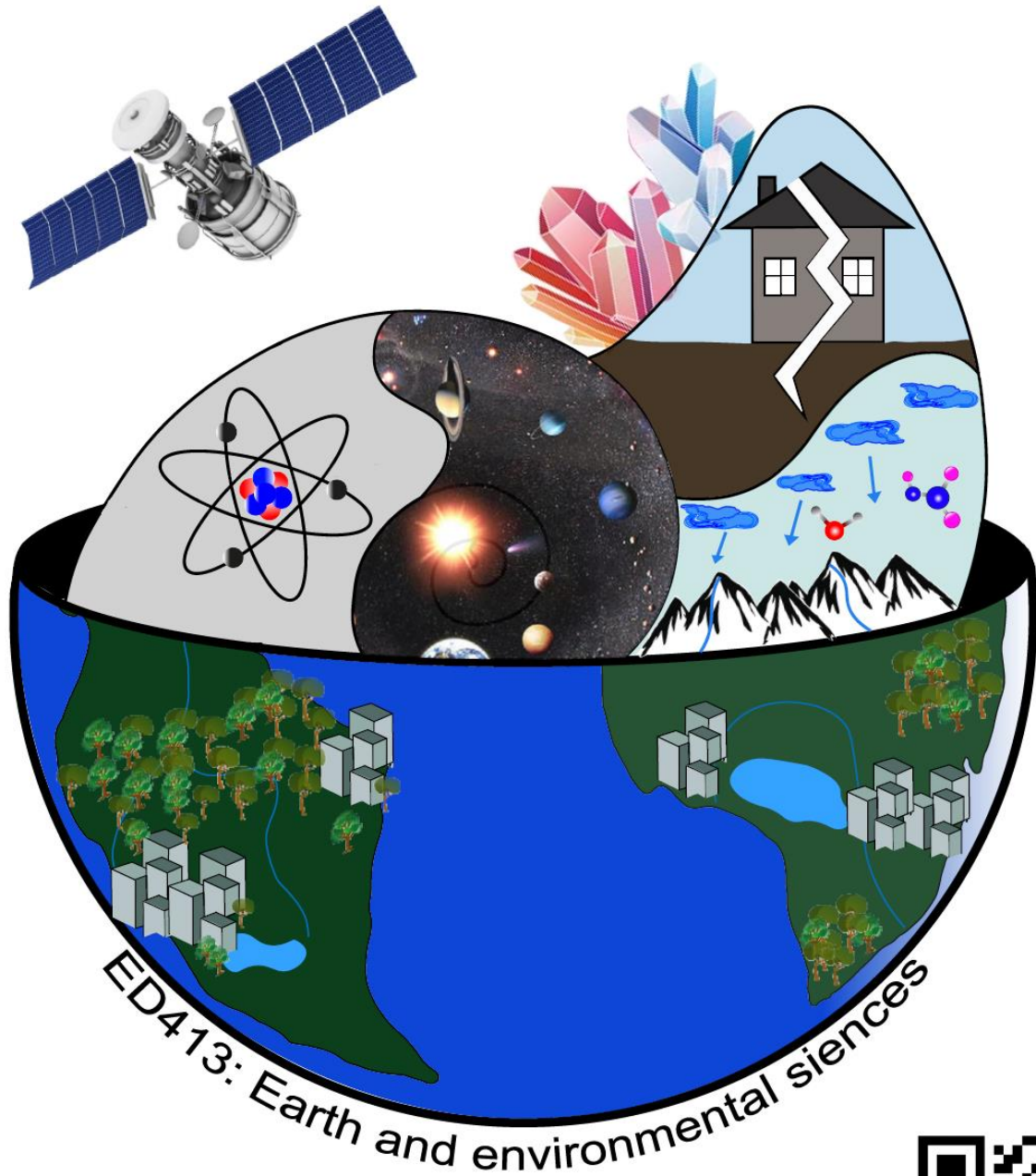


# PhD congress of ED413



**Tuesday, November 29th, 2022**

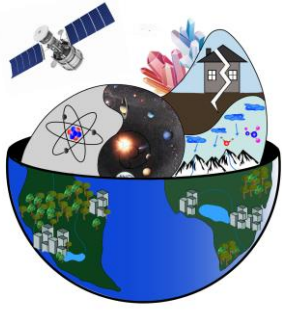
***MISHA building***



**KEYNOTE by Mathilde Cannat** (2009 CNRS silver medal)

**Title: «Navigate a scientific career: some feedback from experience»**

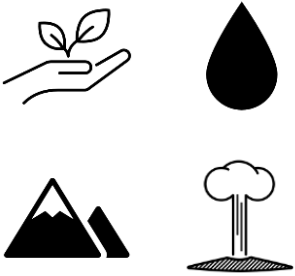
# The congress in 5 points



A talk session and a poster session on the 29<sup>th</sup> of November 2021 with a total of **17 presentations!**



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



## 5 topics:

- Fundamental research for the global understanding of the Earth
- Seismic risks
- Biology and geology, two closely related sciences
- Climate change and ecological transition
- The Vosges, a witness area of scientific interest



A **KeyNote** from IPGP, who won the silver medal of the CNRS in 2009, Mrs **Mathilde Cannat**, will do a presentation “Navigate a scientific career: some feedback from experience”





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

# Schedule of the day

**Appointment at 9:00 a.m.** at the conference room of the **Maison Inter-universitaire des Sciences de l'Homme d'Alsace (MISHA)** (5 Allée du Général Rouvillois, 67000 STRASBOURG)

## Keynote

We are very honored to receive **Mme Mathilde Cannat**, researcher at the IPGP (Institute of Globe Physics of Paris), silver medal of CNRS in 2009

11:30 a.m. to 12:00 p.m.	Mme Mathilde Cannat
"Navigate a scientific career: some feedback from experience"	 

## Oral presentations

The oral presentations are divided in **5 sessions**:

- Fundamental research for the global understanding of the Earth
- Seismic risks
- Biology and geology, two closely related sciences
- Climate change and ecological transition
- The Vosges, a witness area of scientific interest

For more information, please find the detailed program in the next pages and the appendix for the abstracts

## Poster Session

At lunch time, poster editors will be present to discuss their research project !

This session will be held from **12:00 p.m to 14:00 p.m** in front of the conference room of the Maison Inter-universitaire des Sciences de l'Homme d'Alsace (MISHA) (5 Allée du Général Rouvillois, 67000 STRASBOURG). For more informations, please find the abstracts in the appendix

## Prize for the best poster and the best presentation

After the presentations, we will count the votes for the best poster and the best presentation and give the prizes to the winners

## Bar the Blue Moon

Please join us at the **Blue Moon bar** for a convivial moment. (24 Rue des Poules, 67000 STRASBOURG). Doctorants, don't forget to ask the committee members for your token at your arrival at the bar to have access to the discounts.

## Session I. Fundamental research for the global understanding of the Earth

(from 09:15 a.m. to 10:15 a.m.)

9:15 to 9:30 a.m.	Franck Latallerie (ITES)
"Surface Wave Tomography Of The Pacific Upper Mantle Using Backus - Gilbert Inversion"	

9:30 to 9:45 a.m.	Hugo Lecomte (ITES)
"GRACE, the gravity-field variations for new insights on the Earth's core"	

9:45 to 10:00 a.m.	Remy Cotinet (ITES)
"Weight of unsaturated zone in intrinsic vulnerability in index based methods"	

10:00 to 10:15 a.m.	Méridith Morin (ITES)
"Petrological and geochemical evolution of Permian magmatism in the central Alps (SE Switzerland, N Italy)"	



**Take a break (coffee, tea, pastries)  
from 10:15 to 10:45 a.m.**

## Session II. Seismic risks

(from 10:45 to 11:30 a.m.)

10:45 to 11:00 a.m.	Remi Fiori (ITES)
"Monitoring induced micro-seismicity in urban context using very small seismic arrays: the case study of the Vendenheim EGS project"	
11:00 to 11:15 a.m.	Luc Moutote (ITES)
"Seismic evidence of an aseismic slip event preceding and following the 2017, Valparaiso, Mw 6.9 earthquake"	
11:15 to 11:30 a.m.	Weiwei Shu (ITES)
"Collective behavior of asperities before large stick-slip events"	

## Keynote. Mme Mathilde Cannat

(from 11:30 a.m. to 12 p.m.)

11:30 a.m. to 12:00 p.m.	Mme Mathilde Cannat
"Navigate a scientific career: some feedback from experience"	



**Lunch time and poster session**



(from 12:00 to 14:00 p.m.)

Join us for a snack prepared by our caterer and take the opportunity to discuss and meet the PhD students and supervisors

**Poster editors will present their work.** You can ask questions and vote for the best posters.

### **Session III.** Biology and geology, two closely related sciences

(from 14:00 to 14:45 p.m.)

14:00 to 14:15 p.m.	Armando Espinosa Prieto (LIVE)
“Environmental DNA: a plant diversity and environmental indicator for freshwater ecosystems”	
14:15 to 14:30 p.m.	Nicolas Nuvoli (ITES)
“Do bacteria participate directly in the biogeochemical cycle of calcium in soils?”	
14:30 to 14:45 p.m.	David Luttenauer (ITES)
“Impact of topography on potential evapotranspiration”	

### **Session IV.** Climate change and ecological transition

(from 14:45 to 15:45 p.m.)

14:45 to 15:00 p.m.	Marti Vinyes Nada (ITES- invited)
“Assessing methoxychlor pollution and natural attenuation in a contaminated aquifer using isotopic tools”	
15:00 to 15:15 p.m.	Marco Guevara (LIVE)
“Evaluation of the intermittency of solar and wind sources for an effective and sustainable energy transition for Cuba”	
15:15 to 15:30 p.m.	Xiaowei Liu (LIVE)
“Analysis of the impacts of droughts on the water quality of the anthropogenically impacted Lauter catchment”	
15:30 to 15:45 p.m.	Houssan Ousman (ITES)
“Multidisciplinary approach (geology, satellite imaging, geophysics) to evaluate the geothermal potential of the Alols Lakes region, Republic of Djibouti”	



**Take a break (coffee, tea, pastries)  
from 15:45 to 16:15 p.m.**

**Session V.** The Vosges, a witness area of scientific interest  
(from 16:15 to 17:15 p.m.)

16:15 to 16:30 p.m.	Daniel Steven Moreno Martin (ITES)
"Spatial variability of denudation and weathering rates in the Strengbach watershed"	
16:30 to 16:45 p.m.	Bastien Mathieux (ITES)
"Evaluation of the quaternary stability of mid-altitude mountains in a low deformation context by morphometric and geochemical analysis (the case of the Vosges)"	
16:45 to 17:00 p.m.	Timothée Jautzy (LIVE)
"The need for a second nuclide: former glaciations impact the validity of 10be-derived denudation rates in the Vosges mountains (NE France)"	
17:00 to 17:15 p.m.	Emile Simon (ITES)
"Orbital forcing in the sedimentary record of the Mulhouse basin (upper Rhine graben, early Rupelian)"	



**Prize for the best poster and the best presentation**

(from 17:15 to 17:45 p.m.)

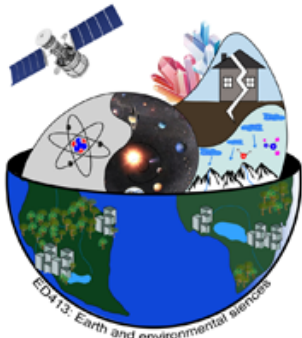
We will count the votes for the best poster and the best presentation and give the prizes to the winners



## Blue Moon Bar

(from 18:00 p.m. to 12:00 a.m.)

Please join us at the **Blue Moon bar** for a convivial moment. (24 Rue des Poules, 67000 STRASBOURG). Don't forget to ask the committee members for your token at your arrival at the bar to have access to the discounts!



# CONGRÈS DES DOCTORANTS 2022

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