

MORE ABOUT US

Portrait of Paul MARCHAL, PhD student



"I started my PhD at RING in June 2022. Before, I graduated from the School of Geology in 2019, then I worked for two years as an engineer at GeoRessources (University of Lorraine), at the Orano Industrial Chair, working on mining datasets storage issues. I am developing new stochastic methods for modelling mineral deposits and alteration halos, particularly those related to hydrothermal events and fluid flow along fault systems. For example, I am testing my code case studies on unconformity-related uranium deposits in Saskatchewan, Canada.

Something I really enjoy about research is the fact that I need to be multi-skilled, and use several kind of knowledge to solve problems. I like the variety of scientific fields that are required to do a thesis. I particularly like both coding and geology, and translating geological concepts into programming. It is also nice to have the feeling to always learn new things from other people working in research.

The atmosphere is very nice at RING between the PhD students and the researchers. We do a lot of activities together: hiking, restaurants outings, and lately we even attended a rubber duck race in Luxembourg! It is useful to discuss and interact with other students on scientific topics, it helps to solve problems.

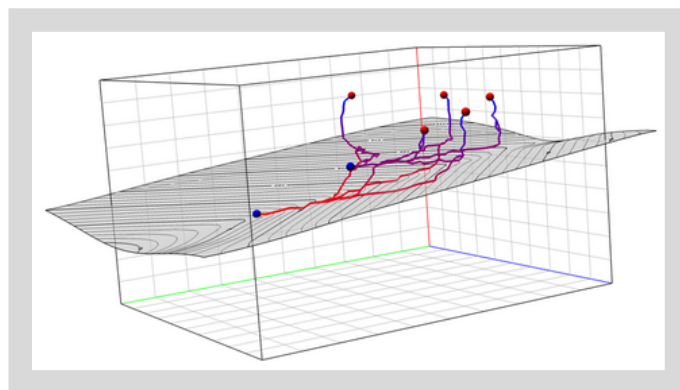
Outside of work, I do a lot of road cycling during the weekends in the Lorraine countryside, as I live nearby. I also like hiking in the Vosges, do electronic DIY, read science-fiction books, or play video games with friends.

Originally from Lunéville (only 30 km from Nancy) I recommend some special sites to visit there, such as the Château de Lunéville, which is also known as the "Versailles Lorrain". It is a Renaissance castle that was the residence of the Dukes of Lorraine. There is also the "Ouvrage Hackenberg", a defensive fort of the Maginot Line. It was built in the 1930s and you can visit all the underground installations nowadays. A last word about food, if you are a newcomer you have to try the pâté lorrain, a culinary specialty, made of marinated pork in local wine and puff pastry!"

RESEARCH HIGHLIGHT

KarstNSim

KarstNSim is a SKUA-GoCADV19 plugin to simulate 3D cave networks in a stochastic workflow, taking into account various input parameters with uncertainties. A particular focus is given on the ability for the user to easily control the morphometry of the networks. KarstNSim is primarily being developed by Augustin Gouy in the frame of his PhD thesis.



Two-phase simulation of a polygenic karst (Gouy, 2023)

ALUMNI TESTIMONIAL

Corentin GOUACHE, PhD

R&D Researcher at CCR

2019-2021 PhD student at RING



"There is a real group dynamic within the RING team, from a scientific point of view with the rigor of the researchers, the organization of internal seminars and the RING meeting, as well as socially speaking, with a fabulous team life (cafeteria, tarot cards, outings, etc.). Although my research theme (probabilistic seismic hazard) was not inherent to the team, the latter, via my thesis supervisors or simply during the corridor discussions and internal seminars, brought different perspectives, both appreciable and essential for my work."

LIFE OUTSIDE RING

TEAM-BUILDING
ACTIVITIES ARE
ALSO PART OF THE
LIFE AT RING. AS
WE WELCOME
PEOPLE FROM ALL
AROUND THE
WORLD, IT IS
IMPORTANT TO
INCLUDE EVERYONE
AND MAKE PEOPLE
FEEL WELCOME IN
AND OUTSIDE THE
WORKING
ENVIRONMENT.



Hiking weekend and blueberry pie tasting
in the Vosges (left & above)
and day trip to Luxembourg (right)