

## Master Thesis MSc Geology 2023

<b>Subject</b>	<b>Advisor</b>	<b>Co-advisor</b>
Holocene wildfire reconstruction at Grand Etang peat bog, Vosges	Preusser	Rambeau
Fluid-Rock Interaction in Ultramafic Systems: Reconstructing Reaction Pathways in Serpentinites – A case study from the Dhierna Shear Zone, Southern Troodos Ophiolite (Cyprus)	Hergarten	Siebel
Polygonal impact craters on Mars and the influence of pre-existing fractures on their formation	Kenkmann	Preusser
Characterization of the internal architecture of the L'Ischert paleochannel in the South of Marckolsheim, France	Preusser	Schmitt
Probabilistic Seismic Hazards analysis using Parametric and Non-parametric methods	Hergarten	Bohnhoff
Comparison of Different Approaches to Determine Grain Size Distribution in Fine Grain Sediments	Preusser	Poelchau
Determination of Surface Roughness on Mars and the Possible Implications for Secondary Crater Formation	Kenkmann	Hergarten
Characterization of the internal architecture of the L'Ischert paleochannel in the North of Artzenheim, France	Preusser	Schmitt
Simulation of lava flows of the 2021 Tajogaite Eruption on La Palma, Canary Islands, Spain	Hergarten	Geiger
Contact Metamorphic Petrology around the Mourne Mountains Granites, Northern Ireland	Geiger	Siebel