

MSc thesis 2020:

# Soil erosion rates in an old-growth mountain forest driven by tree uprooting dynamics in the Robson Creek (Queensland, Australia)

## Background and aim of the thesis

Tree uprooting (as macro-bioturbation process) may distinctly affect soil and landscape dynamics. Little is known so far about the corresponding soil redistribution rates (soil erosion, soil accumulation). — The thesis therefore aims at quantifying soil erosion and deposition caused by tree uprooting in an old-growth forest in the Robson Creek (Australia): <https://supersites.tern.org.au/supersites/fnqr-robson>. Erosion and redistribution rates will be detected by using Pu-isotopes (no worries – no danger in the lab!).



## Framework of the study

The thesis is embedded in a running project (funded by the Czech National Foundation) with partners from the University of Zurich (Prof. Markus Egli), the University of Brno (Prof. Pavel Samonil) and several partners of the Global Forest Research Network (see below).

## Further information

If you are interested in joining this exciting project then please send a message to Prof. Markus Egli: [markus.egli@geo.uzh.ch](mailto:markus.egli@geo.uzh.ch)