Geomorphology: deciphering the origin and evolution of the topography

The landscape is shaped by complex interactions between tectonics, isostasy and erosion, all processes including various phenomena and time and space scales. Quantitative geomorphology aims at determining at which rate landscapes form and evolve depending on external and internal factors. I will shortly explain how landscape and river networks respond to some (mostly tectonic) forcings, and present two examples of tectonic and climate changes evidenced by different geomorphological approaches.

The science lecture (ca. 1 hour) is followed by a Question & Answer period on issues specific to career development of women in academia (e.g., options, barriers, how to overcome them, good practices and strategies).

contact: nowagea.univie.ac.at