

Program seminářů KFGG na LS 2022

Departmental seminar series summer term 2022

Thursday 14:50 (3 March online only, thereafter in person in 'Věž')

3.3. April Dalton

Reconstructing the extents and chronology of the North American Ice Sheet Complex through the last glacial cycle

Online only: meet.google.com/sow-xhdz-saq

24.3. Filip Oulehle (Czech Geological Survey)

Effects of bark beetle disturbance on soil nutrient retention and lake chemistry in glacial catchment

Forest ecosystems worldwide are subjected to human-induced stressors, including eutrophication and acidification, and to natural disturbances (e.g. insect infestation, windstorms, fires). These multi-stressor forcings modify ecosystem biogeochemistry, including the retention of limiting nutrients, with implications for terrestrial and aquatic biodiversity. Here we present whole ecosystem nutrient (N, Ca, Mg, K) mass balances in the forested catchment of Plesne Lake, CZ, which has undergone transient changes linked to the recovery from anthropogenic acidification and to the forest disturbances caused by severe infestations by the bark beetle (*Ips typographus*). Measured fluxes and storage of nutrients in the lake-catchment ecosystem were used to constrain process-oriented biogeochemical model MAGIC. We demonstrated, that in this natural forest ecosystem protected from human intervention, disturbance legacies together with post-disturbance vegetation recovery will have a positive effect on the nutrient stores in the soil.

31.3. 3rd year PhD students

7.4. Izabella Szuman-Kalita: introduction of a new postdoc at our department

14.4. Ioannis Markonis (Czech University of Life Sciences Prague)

Recent European droughts: what we learned in the past five years and what we didn't

21.4. Tobias Sauter (Humboldt-Universität zu Berlin)

28.4. Peter Fiener (University of Augsburg)

Soil erosion and carbon cycling – where do we stand?

5.5. Niklas Neckel (AWI)

2.6. 1st year PhD students (10:00)