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Dissertation topic: Unravelling geogenic organic carbon and nitrogen input to the modern biogeochemical cycles

Brief description of the dissertation:

The dissertation focuses on geogenic organic matter (GOM), which is a significant but poorly quantified source of carbon and nitrogen. It is also assumed that this matter is almost inactive. Despite its long-term spatial isolation from decomposers, our aim is to investigate the weathering and decomposition of GOM. Furthermore, we aim to investigate how GOM influences the biogeochemical cycles of carbon and nitrogen, and whether this could result in positive feedback loops that accelerate climate change.

Date of commencement of studies, year 29.9.2023, 3. year