

CURRICULUM VITAE

Education

- Since Jan. 2023 **PhD student**
at ETH Zürich, Switzerland
Thesis topic: Biogeochemical modelling in arctic soils
- Oct. 2019 - Sept.2022 **Master program**
at University of Hohenheim, Germany
M. Sc. Landscape ecology (German grade: 1.4)
- Apr. 2014 - Sept. 2019 **Bachelor programs**
at University of Augsburg, Germany
B. Sc. Geography (German grade: 2.0)
Bachelor thesis: Depth-explicit assessment of soil organic matter quality on rangeland soils along a 3000 ka terrace sequence near Merced, California, USA
B. A. Romance studies (Spanish) (German grade: 2.0)
Bachelor thesis: *Los Olvidados* (1950) and *Río, 40 Graus* (1955): A critical analysis of (neo-)realistic narratives and the difficult depiction of reality
- Mar. - Jul. 2016 **Semester abroad**
at Universidade Federal de Minas Gerais (UFMG) in Belo Horizonte in Brazil
Co-funded by Bayerisches Hochschulzentrum für Lateinamerika (BayLat)

Publications

- 2022 Mainka, M., Summerauer, L., Wasner, D., Garland, G., Griepentrog, M., Berhe, A. A., and Doetterl, S.: Soil geochemistry as a driver of soil organic matter composition: insights from a soil chronosequence, *Biogeosciences*, 19, 1675–1689, 2022.
- 2021 Doetterl, S., Asifiwe, R.K., Baert, G., Bamba, F., Bauters, M., Bukombe, B. *et al.*: Organic matter cycling along geochemical, geomorphic and disturbance gradients in vegetation and soils of African tropical forests and cropland - Project TropSOC DATABASE_v1.0, *Earth System Science Data*, 2021.
- 2018 Mainka, M.: Otriedad y espacio en la película Branco sai, preto fica (2014), *Mesa Redonda*, 36, 107–125, 2018.

Work and practical experience

- May 2022 - Dec. 2022 **Soil information and data consultant**
at the *Global Soil Partnership (GSP) of the Food and Agriculture Organization (FAO)* in Rome, Italy
- Nov. 2021 - May 2022 **Soil information and data intern**
at the *Global Soil Partnership (GSP) of the Food and Agriculture Organization (FAO)* in Rome, Italy, funded by the Carlo-Schmid Program (DAAD)
- Nov. 2020 - Feb. 2021 **Student assistant**

Tutor for statistics in R at the Institute of Landscape Ecology (University of Hohenheim)

Jun. - Jul. 2019

Field campaign

for the DFG-funded research project TropSOC (*Tropical soil organic carbon dynamics along erosional disturbance gradients in relation to variability in soil geochemistry and land use*) in the Democratic Republic of Congo and Uganda

Jul. 2018 - Jul. 2019

Student assistant

in TropSOC at the University of Augsburg

Jun. - Aug. 2018

Research stay

at the *University of California*, Merced, funded by Promos (DAAD-Stipendium) and the Bavarian-Californian Technology Center (BaCaTeC)

Feb. - Apr. 2017

Internship

at the sub-department "Basic Information - Groundwater and Soil" of the *Federal Institute for Geosciences and Natural Resources* (BGR) in Hannover