

CV Louise Petersson

+46-11-495-85-69

louise.petersson@smhi.se

Nationality : Swedish

Languages : Swedish (native), English (proficient), German (independent)

Role: international development coordination, hydrologist

[Louise Petersson | LinkedIn](#)



Education

Master of Science in Civil Engineering, 2019

Water management, hydrology, hydrological modelling, groundwater modelling.

Topic: *Community mapping for flood modelling: A case study of the Ramani Huria community mapping project in Dar es Salaam.* [TU Delft Repository](#)

Delft University of Technology, the Netherlands

Bachelor of Science in Political Science, 2017

International relations, democracy studies, political philosophy.

Topic: *Public participation – A tool for creating public acceptance for infrastructure projects? A statistical study of 42 Swedish road constructions.* [Bachelor theses, University of Gothenburg](#)

University of Gothenburg, Sweden

Bachelor of Science in Civil Engineering, 2017

Topic: *Multi-criteria analysis of sewage treatment techniques – a case study of Sjölundastreatment plant in Malmö.*

Chalmers University of Technology, Sweden

Publications

Petersson Louise, ten Veldhuis Marie-Claire, Verhoeven Govert, Kapelan Zoran, Maholi Innocent, Winsemius Hessel C. (2020). Community Mapping Supports Comprehensive Urban Flood Modeling for Flood Risk Management in a Data-Scarce Environment. *Frontiers in Earth Science*.

[Frontiers in Earth Science](#)

Work Experience (selection)

Swedish Meteorological and Hydrological Institute (November 2021 – ongoing)

Project manager, international development cooperation.

The World Bank, Dar es Salaam, Tanzania (November 2019 – November 2021)

Independent consultant supervising projects that apply innovative data collection tools to support flood forecasting, flood resilience and urban planning in Tanzania.

Sweco, Gothenburg, Sweden (May 2021 – October 2021)

Hydrologist and technical advisor on climate change adaption and planning.

Norconsult AB, Gothenburg, Sweden (October 2019 – April 2021)

Hydrologist with focus on urban flood modelling and flood risk assessments related to climate change scenarios.

Deltares Research Institute, Delft, the Netherlands (February – August 2019)

Engineering intern in urban flood modelling.

Humanitarian OpenStreetMap Team, Dar es Salaam, Tanzania (February – March 2019)

Collection and processing of community mapped drainage data, aiming to build a coupled 1D-2D hydraulic model of Kijitonyama ward in Dar es Salaam.

City of Gothenburg Water Board, Sweden (June 2016 – January 2017)

Investigator and modeler of storm water sewer systems.