

Curriculum Vitae

Name: Tijmen Schults MSc.
First Name: Tijmen
Date of Birth: 9 September 1997
Nationality: Dutch
Main Disciplines: Hydrology, Remote Sensing, Water Management
Telephone: +31 681686033
Email: t.schults@futurewater.nl
LinkedIn: <https://www.linkedin.com/in/tijmenschults/>



Key Qualifications

Tijmen Schults (MSc.) holds a MSc. in Earth and Environment – Hydrology and Water Resources from Wageningen University and a BSc. in Land and Water Management from Van Hall Larenstein University of Applied Sciences. Driven by admiration of the natural world and the growing anthropogenic and climatic pressures on finite natural resources he is motivated to work on the environmental challenges of the present and future. His interest lies in combining digital tools and techniques such as GIS, remote sensing, and hydrological simulation models to solve integrated water resource management problems. Tijmen has acquired working experience in The Netherlands, Kenya, South Africa, and Vietnam, where he conducted field work, modelling studies, and remote sensing analyses with a variety of software packages and tools (SWAT, MODFLOW, SOBEK, Google Earth Engine). He is proficient in using Python, R and QGIS for geospatial, hydrological, and remote sensing purposes.

Educational Background

2019 – 2022 MSc. Earth and Environment – Hydrology and Water Resources / Remote Sensing, Wageningen University, Wageningen, The Netherlands

2015 – 2019 BSc. Land and Water Management – Applied Hydrology / International Land and Water Management, Van Hall Larenstein University of Applied Sciences, Velp, The Netherlands

Professional Experience

2022 – present Hydrologist, FutureWater, Wageningen, The Netherlands

Selection of Assignments and Projects

2022 – present APSAN-Vale: Piloting innovations to increase the Water Productivity and Food security for Climate Resilient smallholder agriculture in the Zambezi valley of Mozambique (client: Agência do Zambeze)

Language Skills

Dutch: Native speaker
English: Fluent in writing and speech

Computer Skills

Programming languages: R, Python, JavaScript (Google Earth Engine)
GIS software: QGIS, ArcGIS Pro, ArcMap
Hydrological simulation models: Soil Water Assessment Tool (SWAT), Soil-Water-Atmosphere-Plant (SWAP), MODFLOW, SOBEK 2, SEBS, SEBAL, AquaCrop
Remote sensing software: GDAL, ERDAS IMAGINE, Google Earth Engine