

Curriculum Vitae



Name: R. Koster MSc.
 First Name: Reinier
 Date of Birth: 15 February 1991
 Nationality: Dutch
 Main Disciplines: Hydrology, Water management, Hydrological modelling, Hydraulic modelling, Flood risk assessments, GIS.
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Key Qualifications

Reinier Koster is a hydrologist with 4 years of experience in surface water and geohydrology. Reinier has advanced skills in hydraulic and hydrological modeling and GIS analysis using a variety of tools (e.g. SPHY, Sobek2 (1D, 1D-2D), Sobek3, iMOD, Groundwater Vistas, ArcGIS, QGIS, R, Python). Countries of work experience include The Netherlands, Ghana, Madagascar, Angola and Egypt. Reinier is currently a consultant / researcher Hydrology at the FutureWater office in Wageningen.

Educational Background

2013 – 2016 MSc Hydrology and Water Resources, Wageningen University and Research Centre, Wageningen, The Netherlands
 2010 – 2013 BSc Soil, Water and Atmosphere, Wageningen University and Research Centre, Wageningen, The Netherlands

Professional Experience

2019 – present Consultant / researcher Hydrology, FutureWater, The Netherlands
 2016 – 2019 Specialist Surface Water Hydrology, Arcadis BV, The Netherlands

Overseas Professional Experience

As non-resident: Ghana, Egypt

Selection of Assignments and Projects

2020 - present Mavo Diami: Services on land-crop suitability mapping and operational irrigation advice in Angola (client: NSO)
 2020 - present Climate and Flood Risk Assessment of the northern part of Dutch Waterboard Vechtstromen's management area. (client: Waterboard Vechtstromen)
 2019 MIT Climate Risk Assessment Tool for Small Hydropower (client: RVO)
 2019 Land use planning for enhanced resilience of landscapes (LAUREL) in Madagascar using SPHY(client: the World Bank)
 2019 Flood risk assessment of the northern part of Dutch Waterboard Vechtstromen's management area. (client: Waterboard Vechtstromen)
 2019 Secondment at Dutch Waterboard Rivierenland: improving the quality of geodata for flood risk and hydraulic modelling (client: Waterboard Rivierenland)

2018 – 2019	Multiple flood risk assessments for different waterboard and municipalities in the Netherlands
2016 – 2018	Multiple (geo)hydrological projects for waterboards, provinces and industrial companies in the Netherlands.
2016	Secondment at Waterboard Drents Overijsselse Delta: Supporting decisionmakers by answering multiple (geo)hydrological questions (client: Waterboard Drents Overijsselse Delta).
2016	Improving the SIWARE model for Egypt's irrigated Nile-delta. Alterra, The Netherlands
2015 – 2016	MSc. Thesis: 'Water demand forecasting in the Sisili-Kulpawn basin; using the water balance approach and soil moisture data to predict irrigation requirements.' IWAD Ghana, Ghana / The Netherlands
2015	MSc. Internship, 'Transboundary assessment of discharge and water level data and measuring techniques to improve calibration and validation of FEWS Vecht'. Royal HaskoningDHV / Waterboard Vechtstromen, The Netherlands

Selection of Technical Reports and Other Publications

- **Koster, R., P. Droogers.** 2019. Haalbaarheid van 'small-hydro climate risk assessment tool'. FutureWater Report 193.

Language Skills

Dutch:	Mother tongue
English:	Fluent in writing and speech
German:	Basic to Moderate in writing and speech

Computer Skills

Simulation models:	SPHY, Sobek 2 (1D, 1D-2D), Sobek 3, iMOD, Menyanthes (proficient), Groundwater Vistas (basic)
Programming:	R (advanced), Python (proficient), VBA (basic)
GIS:	ArcGIS, QGIS
Standard software:	MS Office
Others:	Wordpress