NAMIBIA UNIVERSITY OF SCIENCE AND TECHNOLOGY

Directorate of Research, Innovation, and Partnerships
Research and Post Graduate Development Office

WaMiSAR Webinar Series

Flood Forecasting and Heavy Rain Protection through Hydraulic Modeling

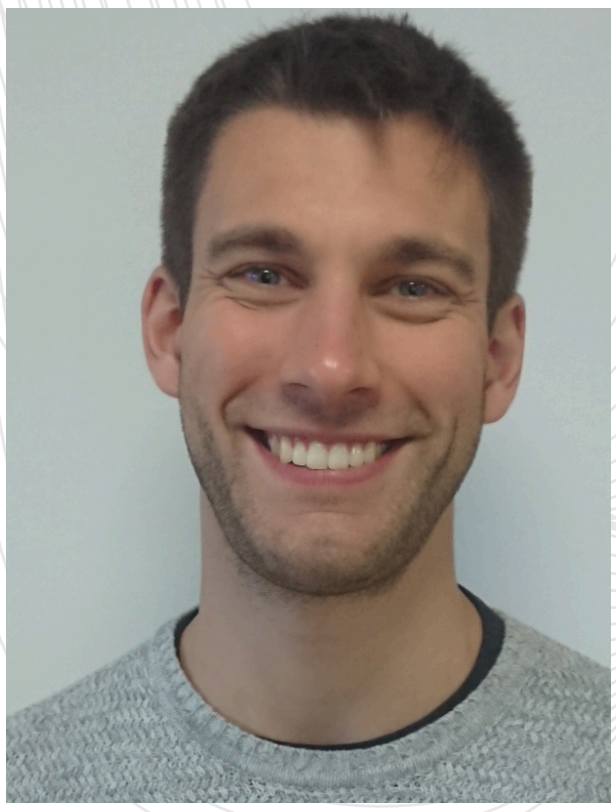
Flooding and extreme rainfall events present complex challenges that require robust scientific analysis and evidence-based solutions. This webinar examines how hydraulic modelling is applied within academic research to support flood and heavy rainfall risk management. It explores modelling methodologies used to predict flood events, analyse flow paths, and assess the impacts of land-use change and new construction projects. The session further highlights how research-driven modelling informs resilient infrastructure design and sustainable spatial planning.

Thursday, 26 February 2026

14:30 CET | 15:30 CAT

Virtual Webinar (Registration via QR code)

Scan the QR code or click here to register.



Philipp Rinkel

Philipp Rinkel is an experienced water engineering and hydraulic modelling professional at Aquantec GmbH in Karlsruhe, Germany. His expertise includes the development and application of surface water models (1D/2D) and groundwater models (3D). Within the WaMiSAR project, his doctoral research focuses on water balance modelling of mine residue deposits under varying climatic conditions and their effects on soil water content.

WaMiSAR – Sustainable and climate adapted Water management in Mining in the Southern African Region

WASA – Water Security in Africa

FONA – Research for Sustainability

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Wasser: N – PROTECTION. USE. INNOVATION.

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