



Frugal Innovation and Entrepreneurship to Strengthen Water Security in the Southern African Region

Subproject: Matching problems with tailored solutions

Background

The project “Frugal Innovation and Entrepreneurship in Water 4.0 in Africa” (short: “FIUWA”) is funded by the BMBF within the project “Water Security in Africa-WASA”. The overall objective of the funding measure is to contribute to the sustainable improvement of water supply and sanitation in Africa. In identifying existing challenges and needs in the water sector and assessing potential interventions, FIUWA focuses in particular on digital technologies of the future that support frugal innovation and youth entrepreneurship in Angola, Namibia and South Africa.

Project description

Activities in the initial phase include the identification of key players within the entrepreneurial ecosystem in Africa and Germany that are working at the intersection of digitalization, frugal innovation and water security. Additional activities include the design of an open innovation process for the development of solutions to ensure water security and the planning of online trainings and incubator programs for innovators and entrepreneurs in Southern Africa. Another important activity is the planning of the main phase of the research project.

Our services

Fraunhofer IMW contributes qualitative, social-empirical methods to this international collaborative project. The Leipzig-based scientists support local and regional actors in defining and prioritizing their concrete water supply problems and identifying suitable methods and technologies to address these problems. The team focuses particularly on digital (data) technologies and propagated innovations of young entrepreneurs, which can be inspired by and further developed starting from the social practice of specific application contexts.

Targeted United Nations Sustainable Development Goal



Client:

SPONSORED BY THE



Federal Ministry
of Education
and Research

Project partners:



UNITED NATIONS
UNIVERSITY

UNU-EHS

Institute for Environment
and Human Security

United Nations University (UNU), Bonn

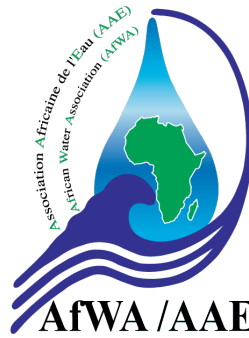
External project partners:



German Water
Partnership



AfriLabs



AfWA / AAE

African Water Association (AfWA)



Stellenbosch

UNIVERSITY
IYUNIVESITHI
UNIVERSITEIT

Southern African Network of Water Centres of
Excellence (AUDA-NEPAD SANWATCE)

Associated partners:

West African Science Service Center on
Climate Change and Adapted Land Use,
Ghana (WASCAL),
Pan African University Institute for Water and
Energy Sciences (PAUWES),
National Institute of Water Resources of the
Angolan Ministry of Energy and Water (NIWR-
AMEW),
Pan African Virtual and E-University (PAVEU)

Project page:

[https://www.imw.fraunhofer.de/en/research/
technology-transfer/innovation-acceptance/
projects/fiuwa.html](https://www.imw.fraunhofer.de/en/research/technology-transfer/innovation-acceptance/projects/fiuwa.html)



Project duration:

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