



SESA

Webinar

Tackling barriers to solar irrigation in sub-Saharan Africa: Regional insights from entrepreneurs

11th February 2025

Host:

Sophia Schneider, Researcher at Wuppertal Institute for Climate, Environment and Energy



This project has received funding from the European Union's Horizon 2020 research and innovation programme under the grant agreement No. 101037141. This material reflects only the views of the Consortium, and the EC cannot be held responsible for any use that may be made of the information in it.

Introduction

- Since 2015, food insecurity in SSA has worsened, exacerbated by several global crises such as climate change ¹
- 80% of the region's food is produced by smallholder farmers ²
- 90 % of cropland is rain-fed ²

- High potential for solar irrigation to increase yields and be more resilient



Solar Powered Pump (Getty Images / Toa55)

¹ IPCC, 2022. Sixth Assessment Report - Regional fact sheet - Africa. https://www.ipcc.ch/report/ar6/wg1/downloads/factsheets/IPCC_AR6_WGI_Regional_Fact_Sheet_Africa.pdf

² Falchetta et al., 2023. Solar irrigation in sub-Saharan Africa: economic feasibility and development potential. Environmental Research Letters. DOI: 10.1088/1748-9326/acefe5

Speakers



Janice Kaisi
Country Manager at Simusolar
(T) Limited



Mr. Hafeni Mungungu
Engineering Operations Director at
Dritoven Engineering



Gift Mwangairo
Managing Director at
Smart Energy Enterprise (SEE)

