

Annual report 2022 for Flagship Pilot Study Southeast Africa

Status and progress during the year including scientific highlights, end to end perspective and participants engaged in the project

Due to the COVID situation, there was somewhat limited activity in this project.

Joint workshop with CORDEX Africa in Johannesburg April 20-22.

In addition there was:

- a Telecom (online) May 25
- a Zoom-based (online) meeting October 31st on sharing data and writing a joint scientific paper.
- a Zoom-based (online) meeting November 28th to prepare a joint R-session using the esd-package to work on station data.
- a Zoom-based (online) R working session on preparing station data for the evaluation against ERA5 reanalysis on December 7, 2022.

The progress so far: we have managed to collect some data and start with a skeleton draft on a paper comparing local station data with the ERA5 reanalysis. A preliminary analysis for annually aggregated rainfall suggests a close match between rain gauge measurements from Mozambique and the ERA5 estimates.

Summary of each workshop/activity held during the year

Title, date, short description, location, website, links	Responsible person/-s	Funder
Workshop with CORDEX Africa in Johannesburg April 20-22	Chris Lennard	CORDEX

Related publications during the year

Title, journal and link to publication	Author/-s	Date
NA		

Planned activities for next year

Proceed with the scientific paper on the comparison between ERA5 and station data. Use the ERA5 reanalysis for filling in gaps of missing data to improve calibration of ESD models. This involves joint data analysis and further R-training and downscaling, possibly with funding from Norway. There will be further Zoom-meetings and collaboration on data analysis and paper writing. Plans to submit an abstract and attend to [ICRC 2023](#) in Trieste and/or the [WCRP Open Science](#) 2023 meeting in Kigali, depending on the funding situation

Additional relevant information

Boosted the network with the addition of partners from Madagascar. The current network now includes Mozambique, South Africa, Zimbabwe, Tanzania, Kenya, Rwanda, Malawi, Burundi, Madagascar and Norway.

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Contact person/-s

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The report is due the 15th of February each year and should be sent to ipoc@cordex.org.