

Annual report 2020 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

The progress of CORDEX flagship pilot study (FPS) southeast Africa in 2020 was strongly impeded by the Covid-19 pandemic. A planned workshop was postponed, but the FPS nevertheless held two telecons. During these, the work plans were discussed and an inventory of data to be shared between the partners has been set up. This inventory is not yet complete. The shared set of in-situ daily temperature (max/min) and rainfall will be used to evaluate the ERA5-land reanalysis to assess possibilities for using the reanalysis for filling in gaps of missing data. This data will also provide a basis for training and capacity building based on R, in addition to exploring empirical-statistical downscaling (ESD) and evaluating regional climate models (RCMs; e.g. CORDEX-Africa runs). In addition to the pandemic, lack of resources also slows progress, e.g. lack of hardware and lack of funding for the work (salaries). So far, the FPS has started to build a network on climate science in southeastern Africa and managed to create an understanding of what is needed for making scientific progress.

Summary of each workshop/activity held during the year

Title, date, short description, location, website, links	Responsible person/-s	Funder
First telecom,	Bernardino & Rasmus	NA
Second telecom,	Bernardino & Rasmus	NA

Related publications during the year

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

Planned activities for next year

<p>Training in the use of R, climate analysis and empirical-statistical downscaling (ESD). Compare ERA5-land with in-situ daily temperature (min/max) and rainfall. Workshop in Cape Town, South Africa, depending on the pandemic situation. Use ESD with reanalysis to explore effects of teleconnections.</p>

Additional relevant information

<p>An abstract of the FPS has been submitted to vEGU2021. The abstract has been accepted, the objectives and status of the FPS will be shared in the session on 'Building operational weather and climate services for sustainable development in the global South'.</p>
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<p>Bernardino, Jonas and Rasmus</p>

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.