

CORDEX-Africa report 2020

Academic publications

Lack of funding and the impact of COVID19 meant it was not possible to run the anticipated workshops planned for 2020. However, at least eight papers were produced during 2020 by CORDEX-Africa participants. There is continued collaboration between the climate science and VIA groups.

Rotating SAT member

Dr Chris Lennard has completed his term on the SAT and Wilfried Pokam has been selected to replace him. Chris will assume the position as a POC for the region.

FPS

Two Africa-led FPSs have been received and on review both have been returned to the proposers to address review comments. If review comments are accounted for the FPSs will be accepted. These are *“Simulating role of aerosols on the past climate change attribution and future projection in West Africa”* and *“Rainfall responses to climate change in a convective-permitting model over Western Cape (HighResWC)”*. Work in existing FPSs is ongoing with good progress. The FPS titled *“Coupled regional modelling of land-atmosphere-ocean interactions over western-southern Africa under climate change”* has not sustained funding to run to completion and has stalled because of this. Further efforts will be made to source funding in 2020 that would facilitate completion of the FPS. In the ELVIS FPS CORDEX-Africa affiliates are involved in the analysis of the simulations being performed over the region.

IPCC

Several CORDEX-Africa affiliates are involved as Lead Authors and Contributing Authors in the IPCC Sixth Assessment Report (AR6). Lead Authors are involved in WG1 Chapters 8, 10, 11, 12 and the Atlas and also in WG2 Chapter 9 (Africa).

CORDEX-CORE data

Data from the CORDEX-Core simulations have been downloaded at CSAG and can be distributed on request (and receipt of external hard drives) to CORDEX-Africa participants as well as other interested persons.

Plans for 2021

Workshops

Depending on funding and COVID impact CORDEX-Africa would like to run 3 more workshops that focus on building the VIA community in the initiative as well as strengthen the already well developed climate science community. The objective of these workshops would be the production of at least one climate paper per region based on the new CORDEX-Core data and three papers from the VIA community addressing hydrology, agriculture and health. Funding for these workshops will be sourced from WCRP and other institutions that could fund these kinds of workshops.

COP27

We also hope to have some CORDEX-Africa representation at COP26 in Glasgow as the scope of the Kyoto Protocol ends in 2020 and representation by developing nations in scientific side events is essential to create a louder “southern” voice in the negotiations.