

Perspectives/Questions/Needs

Freeze CORDEX format-file specifications : April 2011??

All groups that have run CORDEX-Africa (and other domains) forced by ERA-interim should redo the post-processing following **exactly** the final specifications and upload Core and Tier 1 data to cordex.dmi.dk

If the Africa diagnostics team require more diagnostics than listed in Core and Tier 1, they should communicate this quickly.

We need to form an Africa@CORDEX mailing list: **UCT to organize?**
It should include the modeling groups and the diagnostic team

TFRCD recommends groups wait until GCM boundary data is formally available on the CMIP5 ESG nodes before use in CORDEX simulations. Data is likely been fully checked by the time of release.

CMIP5-ESG concept for CORDEX being developed via is-ENES project
First Step will test this to link a few European nodes and publish data between them. Next step will be to link Europe and Korean nodes.

UKMET will (for the Africa domain only) download global CMIP5 data as it becomes available and cut-out a region that encompasses the Africa domain and distribute to modeling groups in CMIP5 format.

UKMET will provide their software to other institutes to do the same for different regions (KMA for East Asia, CSC for Europe....others)

Collect and distribute good observations for each region

How to (pragmatically) populate a GCM/RCM/RCP matrix
For Africa there is an (initial) time pressure. Other domains less so

TFRCD recommendations for projection runs:

- Full transient simulations (1950-2100) are preferred.
- This may be hard for some groups, advice is that the second option should concentrate on the period 1980-2050

N.B RCM soil need a few years spin up

Land Cover Scenarios for Africa-CORDEX ??

Dynamic vegetation projections for Africa-CORDEX ??

For most regions we now have a named contact person who should begin to pull together regional analysis groups, help coordinate runs and encourage groups to make runs etc. Once fully agreed, contact details for these contacts will be put onto the CORDEX web site.

Please help them, CORDEX will only be successful if you actively contribute.

Future

On cordex.dmi.dk (& other sites) links need to be provided to model documentation (detailed and simplified) as well as experiment details

ESD activities need to be better coordinated in CORDEX (this is starting). How to present and use ESD and RCM downscaled data on similar sites (contact Bruce Hewitson, Rasmus Benestad)

CORDEX portal for easy access/analysis of frequently used data (daily precip, Tmax, T, Tmin) plus clear do's & don'ts aimed at users.

Case studies: CORDEX-IAV:

TFRCD recommends (initially) 3 projects targeted to use the Africa simulations

- Climate - Health (Malaria in East Africa, West Africa?),
some
ongoing work already funded in this area between EU-Africa
program (ICTP, SMHI, U Liverpool, East Africa groups)
- Climate - Food Security/Agriculture (one specific crop ?,
one region, pan-Africa) ENEA, FAO, AgriMIP (Nasa/GISS)
- Climate - trans boundary water resources (UCT, others)