Providing CORDEX data via Earth System grid Federation - ESGF

Grigory Nikulin

Rossby Centre
Swedish Meteorological and Hydrological Institute
Earth System Grid Federation

- ESGF is infrastructure for the management and access of large distributed data volumes for climate change research
- a system of geographically distributed peer nodes

http://esgf.org
Earth System Grid Federation for CORDEX

- **ESGF** was developed for global models (CMIP5: Coupled Model Intercomparison Project Phase 5) driving GCMs for CORDEX simulations
- **CORDEX-ESGF** is in operation since mid September 2013 (with a lot of support from the IS-INES2 FP7 project)
- **ESGF** provides the same interface for accessing both global and regional model simulations
- Registration is needed to download data from **ESGF** but searching via ESGF is open
- The CORDEX terms of use assumes commercial or non-commercial use; some modelling centres can provide their simulation only for non-commercial use (research and education)
- About 180 users registered in the CORDEX –ESGF group (21st November 2013)
At moment (December 2013) CORDEX simulations can be accessible from a few European data nodes:

- esg-dn1.nsc.liu.se (SMHI-NSC, Sweden)
- esgf-data.dkrz.de (DKRZ, Germany)
- esgf-index1.ceda.ac.uk (BADC, UK)
- cordexesg.dmi.dk (DMI, Denmark)
- esgf-node.ipsl.fr (IPSL, France)

- It doesn’t matter from which of the data nodes CORDEX simulations can be accessed, links lead to the same files
esg-dn1.nsc.liu.se
Select project CORDEX

To download data: add datasets to your Data Cart, then click on Expand or wget.

Display 10 datasets per page

Add All Displayed to Data Cart  Remove All Displayed from Data Cart

Results  Data Cart
Accessing MENA-CORDEX via ESGF (3)

project CORDEX selected
Select Domain

To download data: add datasets to your Data Cart, then click on Expand or wget.

Search All Sites  Show All Replicas  Show All Versions

< 1 2 3 ... 2304 2305 >  displaying 1 to 10 of 23048 search results
Display 10 datasets per page
Add All Displayed to Datacart  Remove All Displayed from Datacart

cordex.AFR-44.DMI.ERAINT.evaluation.r1i1p1.HIRHAM5-v1.day.clivi
Data Node: corDEXesg.dmi.dk
Version: 20131001
No description available.
Further options: Add To Cart

cordex.AFR-44.DMI.ERAINT.evaluation.r1i1p1.HIRHAM5-v1.day.cl
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cordex.AFR-44.DMI.ERAINT.evaluation.r1i1p1.HIRHAM5-v1.day.clwv
Data Node: corDEXesg.dmi.dk
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cordex.AFR-44.DMI.ERAINT.evaluation.r1i1p1.HIRHAM5-v1.day.evpsbl
Data Node: corDEXesg.dmi.dk
Version: 20131001
No description available.
Domains for selection: MNA-44, MNA-22, MNA-44i, MNA-22i

- MNA-44 and MNA-22 - native computational grids (day, mon, seas), can be different for different regional models
- MNA-44i and MNA-22i - interpolated to the regular grids (mon, seas) the same for all RCMs
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project CORDEX and domain MNA-44 selected