A mini-workshop on CMOR

Post-processing NorESM model output to CMIP format (CMOR)

Introduction:
Climate Model Output Rewriter (CMOR3) is used to produce CF-compliant netCDF files. The structure of the files created by CMOR and the metadata they contain fulfill the requirements of many of the climate community's standard model experiments (which are referred to here as "MIPs" and include, for example, AMIP, PMIP, APE, and IPCC scenario runs).

The tool package 'noresm2cmor' (https://github.com/NorESMhub/noresm2cmor) is designed with Fortran to preprocess the NorESM1 and NorESM2 output of single time slice, multiple variables, and call the CMOR2/3 fortran interfaces (API) to rewrite the model output to a single-variable multiple timeslices files.

It can be also useful to make other NorESM output by non-cmip experiments CF-compliant, so that these datasets are also made FAIR. The cmorized dataset can be easily shared with the others, be archived and be used by other command-purpose softwares, e.g., ESMValTool.

This mini-workshop will introduce how CMORization works and what are the essential ingredients to do so, and then follow with demonstrations on how to process CMIP experiments and non-CMIP experiments. The participants are welcome to bring their actual experiments to be processed in the following hands-on practice sessions.

Venue:
Online with Zoom
(meeting link will send to registered participants before the meeting)

Date:
8th June, 09:00-12:00.

Registration:
Fill the registration form by 4th June: https://skjemaker.app.uib.no/view.php?id=10568540

Program:
- Introduction to CMORization workflow (09:00-10:00)
- Break (10:00-10:15)
- Demonstration for cmorizing CMIP and non-CMIP experiments (10:15-11:15)
- Practical exercise (11:15-12:00)
- (The online Zoom meeting will be held open between 13:00-15:00 for trouble-shooting).

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