PMIP Model output

There is a lot of model output available. Your decision about how to get the model results will depend quite a lot on what precisely you are after.

Standard Diagnostics

Other people are interested in these experiments as well, and could have already computed your diagnostics. This is extremely likely for the standard (DECK) experiments and future scenarios. There are several repositories where people are lodging these outputs.

- The PMIP Variability Database *Maintained by Chris Brierley, this website contains the images and netcdf files resulting from running the NCAR's Climate Variability Diagnostics Package. This contains climatological maps of surface diagnostics, as well as timeseries for many modes of climate variability.*
- CMIP6 ESMValTool *A suite of diagnostics is being routinely on the CMIP6 database. This website hosts the results of this suite, although they do not include every experiment.*
- http://climexp.knmi.nl/start.cgi?//KNMI Climate Explorer *A great interactive tool for exploring climate datasets. This is a broader version of the online version the IPCC WG1 AR5 Appendix, with more functionality. It currently has all the CMIP5 scenario experiments, but no PMIP runs.*

Earth System Grid Federation

There is expected to be 2-40 Petabytes of output uploaded as part of CMIP6, which requires substantial curation. The Earth System Grid Federation is a peer-to-peer network of data-stores to cope with all this data, mainly run as national facilities. There are instructions about how to access this data elswhere. There are multiple access methods such as:

- Interactive search nodes for downloading data
- Command line download tools
- Server-side compute resources

Other databases

Some of the experiments in PMIP phases 3 and 4 are not official CMIP experiments. This means that they may not be stored on the ESFG. Several of the groups have set up servers specifically to host these experiments (e.g. PlioMIP1 and DeepMIP). You will want to contact the leaders of those experiments directly to get access. This data may not be CMORized (put in a standard format with standard names).

From:
https://pmip4.lsce.ipsl.fr/ - **PMIP4**

Permanent link:
https://pmip4.lsce.ipsl.fr/doku.php/wg:ptof:output

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