1. **Raw data (.nc)**

* Downloaded from EURO-CORDEX (<https://esgf-data.dkrz.de/search/cordex-dkrz/)>
* REMO regional climate model to downscale Max Planck Institute Earth System Model (MPI-ESM)
* CMIP5 ensemble r2i1p1
* Location of raw files: ‘srh110/CORDEX\_no\_bc\_May\_2017/MPI\_r2\_EUR44’
* Sample file name ‘huss\_EUR-44\_MPI-M-MPI-ESM-LR\_historical\_r2i1p1\_MPI-CSC-REMO2009\_v1\_day\_19500102-19501231.nc’

TO DO:

* Download wind speed (sfc)

1. **Converting to (.mat)**

* ~~Code to process: ‘CORDEX\_input\_file\_creator\_europe\_heatwave3.m’???~~
  + ~~Need ‘Danube\_coords.mat’ for some reason (or do I???)~~
* Code to process: ‘CORDEX\_MVAREOF\_files/CORDEX\_create\_nobc\_data.m’
* Function required: ‘CORDEX\_MVAREOF\_files/CORDEX\_fiveyear\_filereader\_ehw\_r.m’
* Output: ‘CORDEX\_no\_bc\_May\_2017/MPI\_r2\_EUR44’. Currently appt, tas, tasmax, huss, e.g. ‘appt\_MPI-M-MPI-ESM-LR\_rcp45\_r2i1p1\_MPI-CSC-REMO2009\_v120712100.mat’

TO DO:

* Figure out how to get from the output to the input files for CLaGARMi in ‘CORDEX\_nobc\_clagarm\_input’, of form ‘<VAR>\_MPI\_nobc\_<SCEN><YS><YE>.mat’
  + Answer: **Manually moved E.g:**
    - ‘appt\_MPI-M-MPI-ESM-LR\_rcp45\_r2i1p1\_MPI-CSC-REMO2009\_v120712100.mat’ = ‘appt\_MPI\_nobc\_4520712100.mat’ but Steve had just copied and pasted it.

1. **Input for CLaGARMi**

* Files for CLaGARMi location: ‘CORDEX\_nobc\_clagarm\_input’

TO DO:

* Edit ‘CORDEX\_create\_nobc\_data.m’ to process tas, huss, sfc