Help & Documentation*

This documentation is made by Kirti's Group!

1 Account creation

2 Node creation

3 Directory descriptions

- /data/hydro/jennylabcommon2/metdata/historical/UI_historical/VIC_Binary_CONUS_to_2016

  The data in above directory is for observed historical data. It contains **8** variables.

  1. Time period: 1979-2016
  2. variables: {`PPT,TMAX,TMIN,WIND,SPH,SRAD,RMAX,RMIN`}

- /data/hydro/jennylabcommon2/metdata/maca_v2_vic_binary/

  The data in above directory is related to modeled data. It contains **4** variables.

  Variables:

  1. {`PPT`, `TMAX`, `TMIN`, `WIND`}
  2. {`mm/day`, `Celsius degree`, `Celsius degree`, `m/s`}

  Time periods:

  1. The historical data spans 1950-2005 and
  2. projections are from 2006 through 2099 for rcp45 and rcp85.

  Binary format:

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*Name of the programmer of functions is written in the code for debugging purposes. If you see any flaw, please contact the programmer.

1. unsigned short int for the first var (ppt),

2. signed short for all other variables multi: {40,100,100,100};

So, in short

observed ≡ 8 variables ≡ 1979-2016 ≡ UI_hitorical in directory

modeled ≡ 4 variables ≡ 1950-2005 ≡ a short path including MACA at the end

4   Questions

1. What is the difference between `gen_CM_POP_data.R` and `CodlingMothGenerations.R`

2. What is the difference between **prepareData** and **prepareData1** in `core.R`

3. What is the difference between `data` and `data_processed` in

   `/data/hydro/users/giridhar/giridhar/codmoth_pop/alldata_us_locations`

4. It seems the files data_lat_long in the following paths are THE SAME!!!! The ones in the first directory are green. (are they links to the original dara?)

   `/data/hydro/users/giridhar/giridhar/codmoth_pop/historical/`

   `/data/hydro/users/giridhar/giridhar/codmoth_pop/alldata_us_locations/data/historical/`