

## How to write new (monthly) output in LPJmL 3.54

### For LPJmL with River routing enabled:

- *Include/conf.h*
  - Adjust the number of allowed output files
  - Add the variables you want to write out
  - Give them unique numbers
- *Lpj.conf*
  - Add the variable in the list of files to put out
  - Increase the number of outputfiles accordingly
- *Output.h*
  - Add the variables in the output structure
- *Fwriteoutput\_monthly.c*
  - Add loop for the writing of the variables if the file is open
- *Fprintconfig.c*
  - Add the new variable in the list to be printed to the screen...
- *Initoutputmonthly*
  - Init the output to 0.0 in *initoutputmonthly.c*
- Fill the output variable where needed in the code.

### For other configurations maybe more is needed:

NB: BELOW HERE IS INCOMPLETE

- *In Structure Outputmonth* -> only used in *freeoutputmonthly.c*
  - Add float pointer in the structure *Outputmonth* (for the closing?)
- *Freeoutputmonthly.c* -> only called in *iterateyear.c*
  - Add the outputs in *freeoutputmonthly.c* to free the memory
- *Fwriteoutputbuffer.c* -> only used when using `USE_BUFFER`
  - Add the output in *fwriteoutputbuffer.c* (not necessary, only used if you compile with `BUFFER??`)