# **3/29/2018**

1, run inundation module within ACME:

./create\_newcase --case ./test\_myn/innundation\_1 --res ne30\_oEC --compset IMCLM45 --project climate

./xmlchange RUN\_STARTDATE=1972-01-01,STOP\_OPTION=nyears,STOP\_N=5

./xmlchange JOB\_WALLCLOCK\_TIME=1:00:00,JOB\_QUEUE=slurm

./case.setup

Vim user\_nl\_clm

finidat = '/pic/projects/acme\_l/leng569/data4out/alm45\_mosart\_bgc\_crop\_noirr\_new\_spinup\_final\_v2.clm2.r.2156-01-01-00000.nc'

fsurdat = '/pic/projects/acme\_l/leng569/data4out/surfdata\_ne30np4\_simyr2000\_c130927\_irr\_crop\_firrig\_fgrd.nc'

paramfile = '/pic/projects/acme\_l/leng569/data4out/clm\_params.c160128\_GL.nc'

vim user\_nl\_mosart

finidat\_rtm = '/pic/projects/acme\_l/leng569/data4out/alm45\_mosart\_bgc\_crop\_noirr\_new\_spinup\_final\_v2.mosart.r.2156-01-01-00000.nc'

inundflag=.true.

Failed!

# **3/30/2018**

1, Floodplain: A **floodplain** or **flood plain** is an area of land adjacent to a [stream](https://en.wikipedia.org/wiki/Stream" \o "Stream)or [river](https://en.wikipedia.org/wiki/River) which stretches from the banks of its channel to the base of the enclosing valley walls and which experiences [flooding](https://en.wikipedia.org/wiki/Flood) during periods of high discharge.[[1]](https://en.wikipedia.org/wiki/Floodplain#cite_note-Goudie2004-1) The soils usually consist of levees, silts, and sands deposited during floods. Levees are the heaviest materials (usually pebble-size) and they are deposited first; silts and sands are finer materials.

2, , run inundation module within ACME, to see whether the new version work:

./create\_newcase --case ./test\_myn/innundation\_2 --res ne30\_oEC --compset IMCLM45 --project climate

./case.setup

./case.build

./case.submit

Success!