CREST simulation land surface and routing, HPC Q&A

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Course timeline

15:30 - 17:30 GMT+3

Access account for MATLAB:

ssh hydrodev@ncmln1

ssh ncmcn620

Share folder: /p1g/shared/hydro_train/

CREST products:

1. Streamflow current prediction:

/g/model/hydro/hydrowork/CREST_Output/Events/Real_time_forecast

2. Flood quantile warning:

/g/web/CREST

3. Ensemble project location:

/g/model/hydro/hydrowork/CREST_work/dummy_projects/OP_ensemble

Automatically setup training projects for CREST run:

1. Upload the training projects to HPC.
2. Login through terminal, ssh ncmmn1.
3. Change path to the training project, cd <path>.
4. chmod +x ./Setup_TimeLocation.sh.
5. Run ./Setup_TimeLocation.sh with specify input parsed WRF.

Example run:

./Setup_TimeLocation.sh /g/model/hydro/hydrowork/CREST_work/Extracted_WRF/forcast_test/2024102718UTC

6. Submit CREST tasks through bash script:

sbatch run_LSRT.sh

sbatch run_LS.sh

sbatch run_RT.sh

sbatch run_LSRT.sh: land surface and routing.

sbatch run_LS.sh: land surface.

sbatch run_RT.sh: routing.