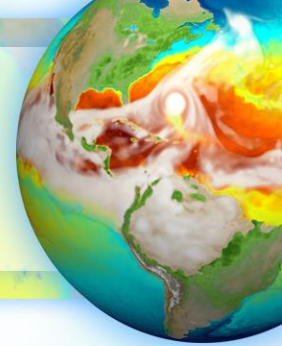


River and snow analysis for Hi-Res simulation



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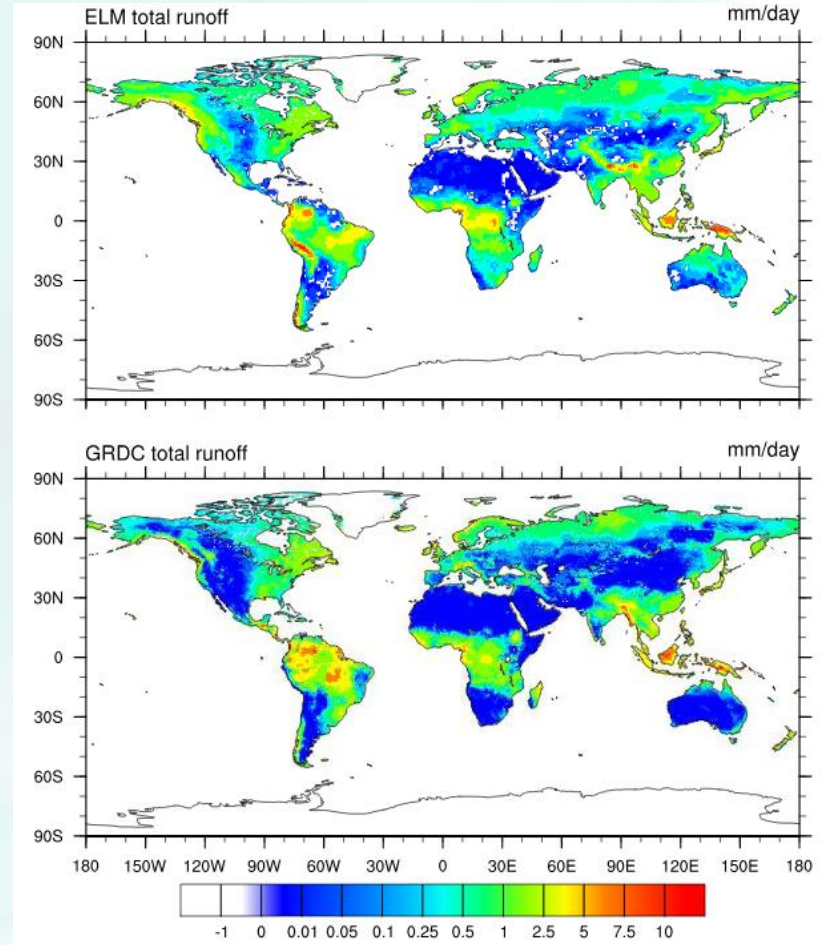
Effect of resolution (compare with low-res)

- Seasonality of river discharge at global gauge locations
- Snow water equivalent (SWE) spatial pattern and seasonality

Sample plots

- Global annual runoff field comparison based on GRDC gauge data

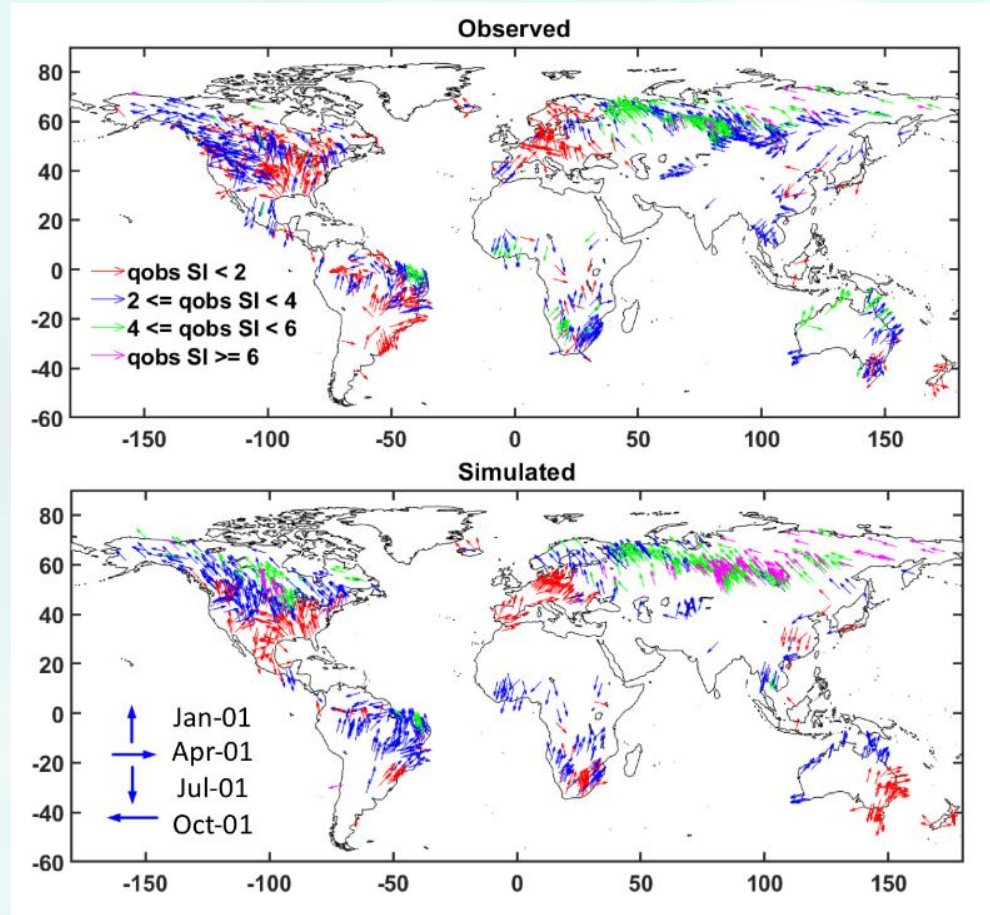
(Golaz et al. 2019)



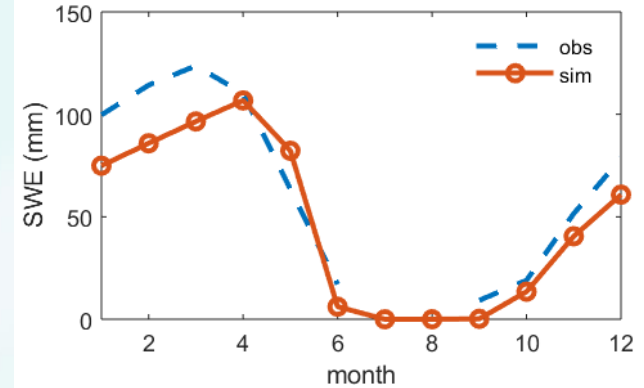
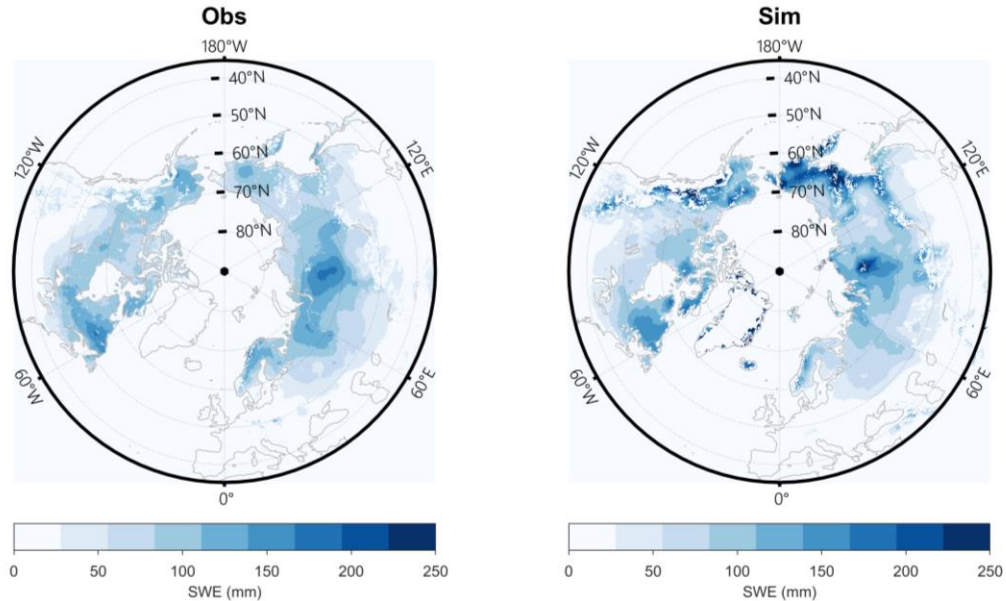
Sample plots

- Seasonality of river discharge at global gauge locations
- Peak timing of the river discharge

(Golaz et al. 2019)



Snow Water Equivalent (SWE)



Mean seasonality (1979-2006) of SWE in central Euroasia

space-borne passive radiometer data (SMMR, SSM/I, and SSMIS) with data from ground-based synoptic weather stations.