

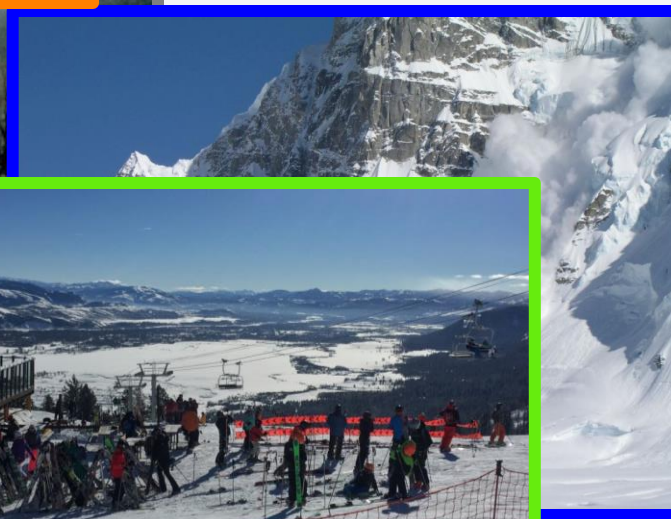
Water Resources (Hydroclimate)

Sarah B. Kapnick, Ph.D.

Stouffer Symposium

The increasing overlap between climate modeling and impact assessments, and to what extent can they be merged

Examples of Water-Related Impacts

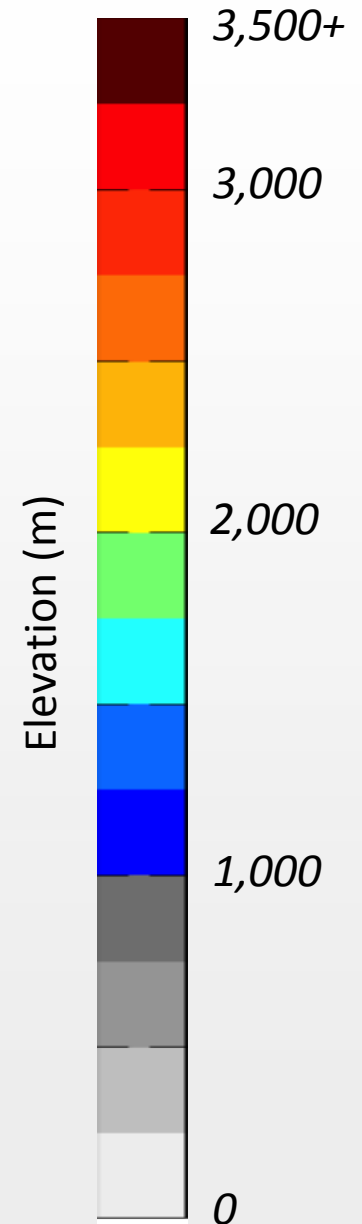
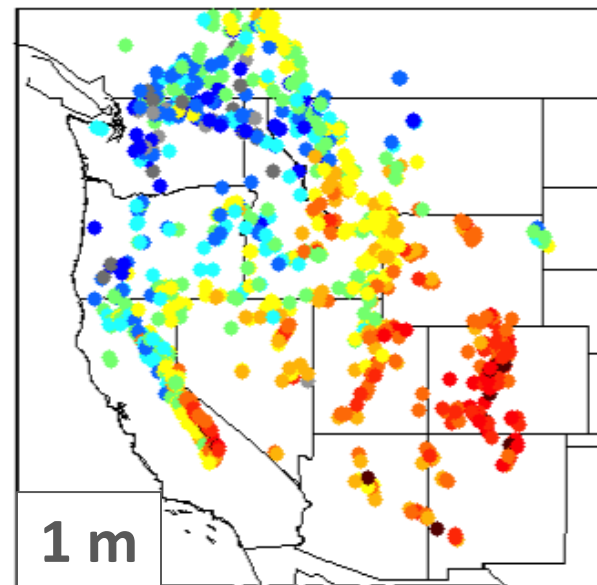
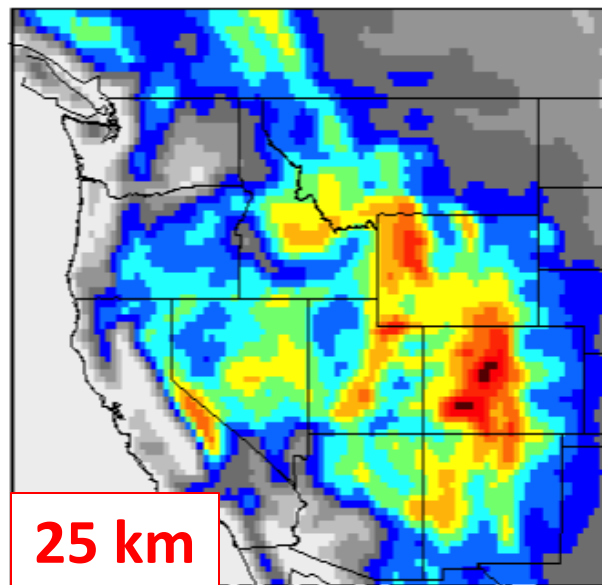
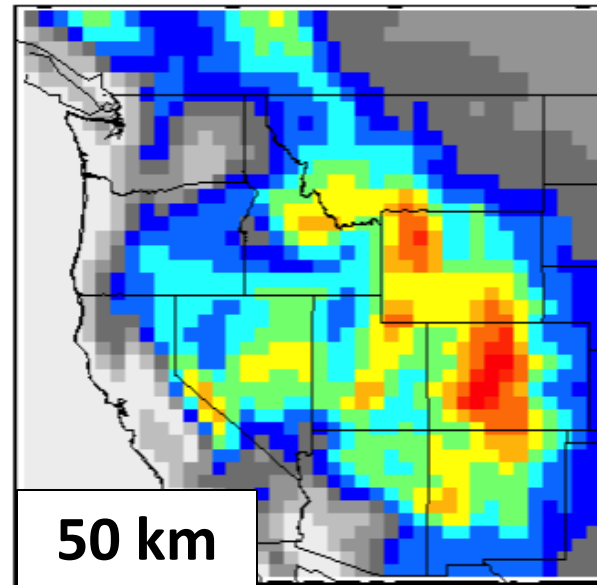
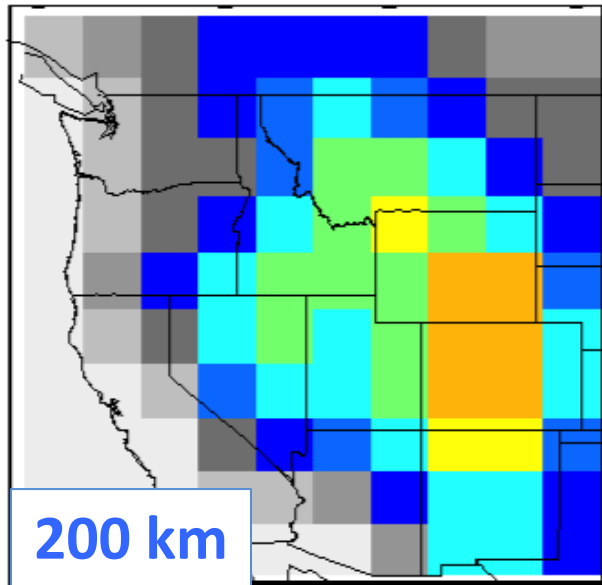


Low Water

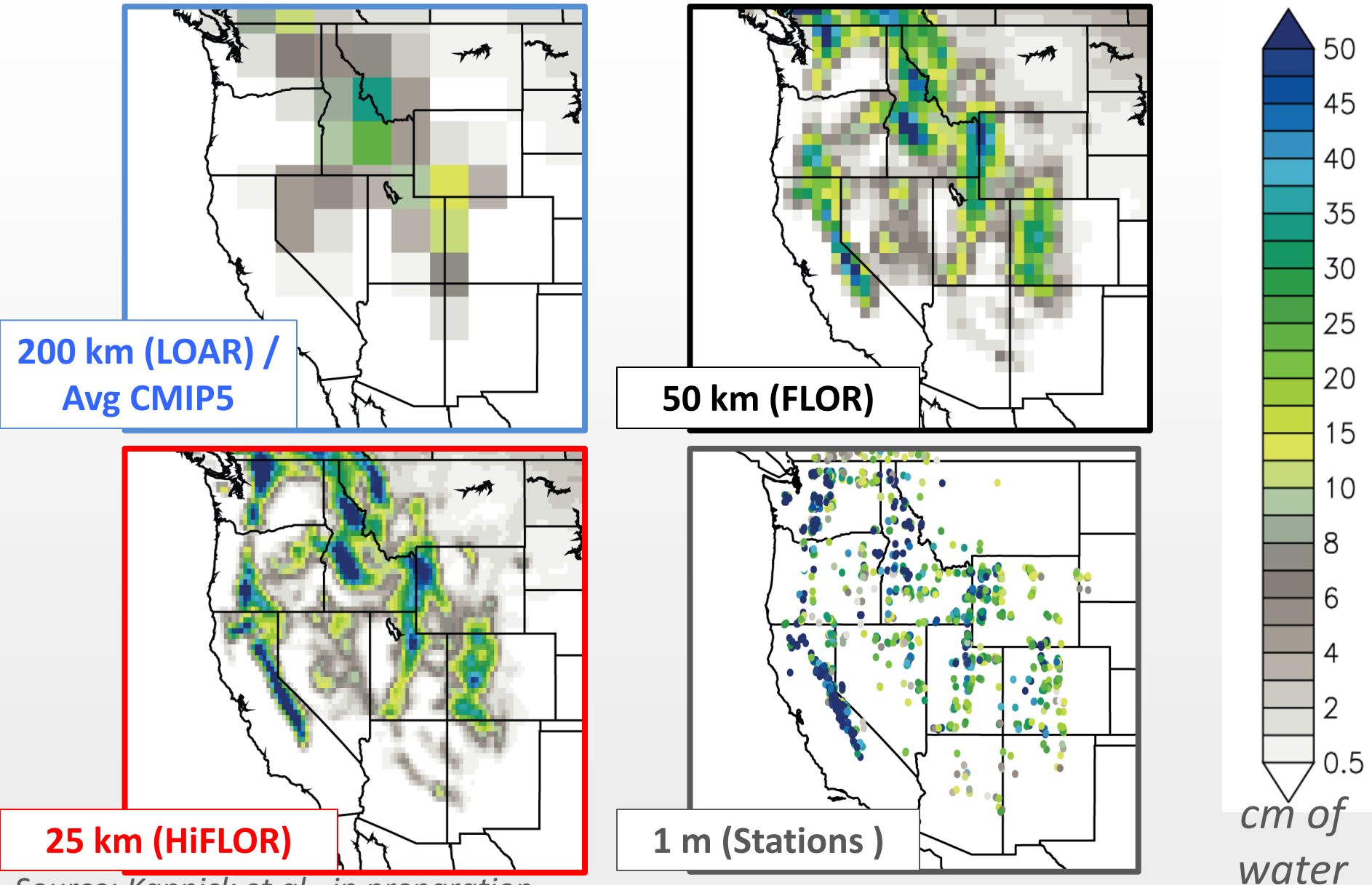
High Water

Model-to-Impacts Challenge

Elevation Resolution Dependency

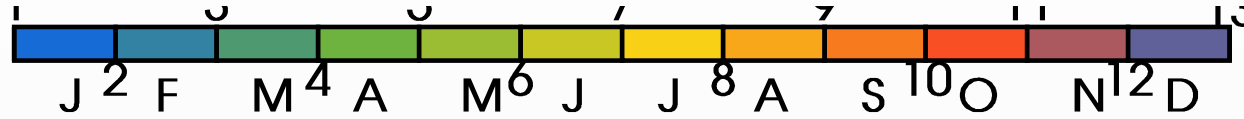
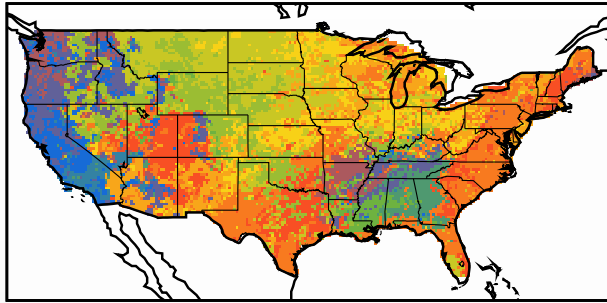


How can we model water resources (snowpack) better?

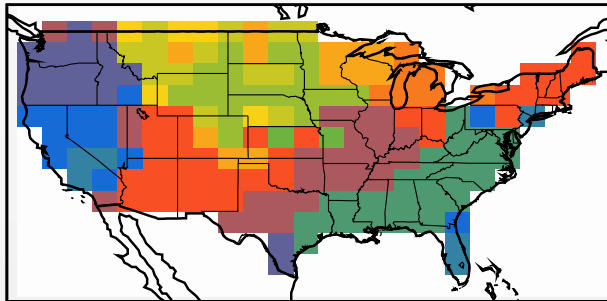


How can we model precipitation better?

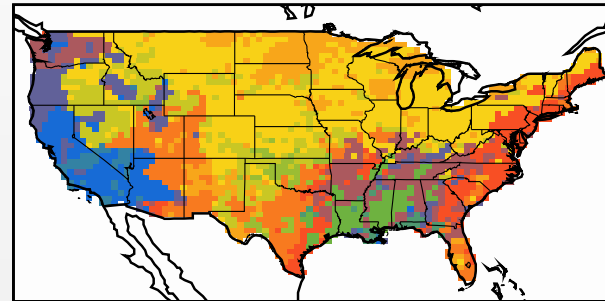
a) CPC observations



b) LOAR present-day



c) FLOR present-day



DJF JJA MAM SON

d) HiFLOR present-day

