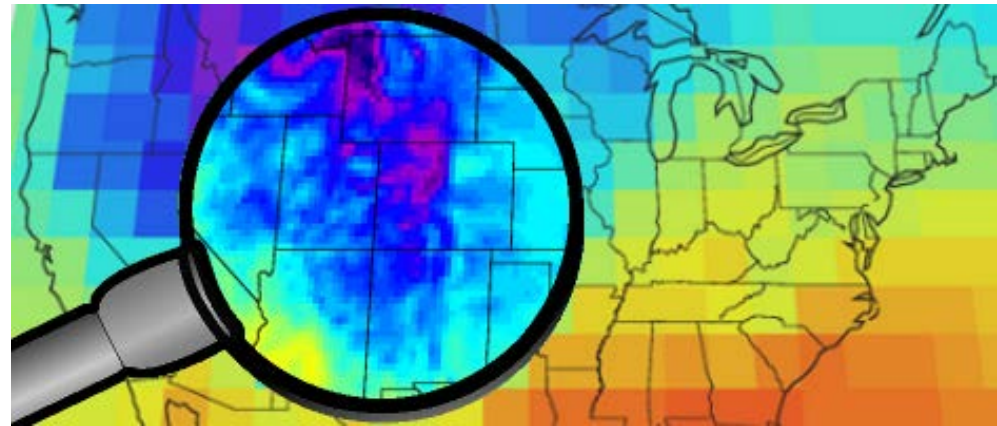


Empirical Statistical Downscaling – refining dynamical model output for applications

- For some applications, dynamical climate model output is deemed unsuitable, due to biases and/or too coarse spatial resolution. Statistical downscaling (SD) is often used to “add value” – a refinement of model output informed by observations.
- In recent years, a GFDL team has partnered with others to evaluate the performance of some common SD methods (think Consumer Reports®).
 - Seasonal & Multi-decadal ... Perfect Model & Sensitivity Study Exp. Designs
- Identify strengths & weaknesses of SD techniques. Of value to...
 - Climate impact researchers & resource managers
 - SD method developers
 - Another way to challenge GCMs with observations



<http://www.gfdl.noaa.gov/esd>