Discussion Group Report-Outs: April 8, 2011

Team Downscaling and Model Analysis:

* Choosing the right model to dynamically downscale if you have limited resources
* Putting expert guidance on model quality/issues – potential sharing pod
* Making narccap publication page more visabe
* Who else is interested in further downscaling – pod>
* Western data and model output uncertainty
* Explanation on how interpolation to vertical levels was done in each model
* More analysis scripts
* Topic pods for common analysis languages – ncl, matlab, idl, r
* Topic pod on dealing with model uncertainty – group affiliated with samsi involved
* Exra value added variable; LI, vert. int. Q flux , CAPE, CIN, shear
* Have direct access to well-regridded observations and/ or narccap output on ESG so all regridded in same way

Team Extremes

* Wide spread in interests, but some overlap
* Sharing papers and bibliography on wiki,
* Sharing analysis scripts on wiki
* R, python, ncl, idv (?)
* Talked about potentially writing papers and proposals together, sharing calls on wiki
* Talked on how open to keep tools – smaller community on wiki – group password protected, but email list open
* Wiki options – e.g. email preferences
* Uncertainty quantification and reduction category with subcatagories for different topics – e.g. extremes, stats, …
* Potentially subgroups on wiki – not just extreme precip
* Issues of methodology in analyzing extremes – potential wiki subtopic
* Password protected so it is a comfortable environment for sharing

Team Impacts

* Diverse group: different variables, impacts, and scales
* Services/product wish list: GIS friendly formats and data
  + One stop shopping for observations in same format as narccap data
  + Derived variables (no examples)
  + Regridded datasets
* Wiki for sharing tools, ideas
* Variability in interests might make it hard for people to actually pick up on wiki use. Time barriers (we already get a lot of email)
* Communication – narccap provided graphics that they can use to communicate changes more easily, e.g. if they have a day to prepare a talk for a group?
  + Example: temp, precip changes over smaller regions than just full domain – e.g state level as graphics or with basic deltas in netcdf files

Team Hydrology

* Expand user base (only had 5 people in discussion group)
* Flooding, energy uses, river stages, flood stages (interests in group)
* Overlapping issues – uncertainty in projections
* Best practices: using multiple hydrologic models (code could be shared on wiki), hydro models over-tuned for certain watersheds – could be a problem if shared
* NARCCAP sims might be useful for checking hydro models (PET, other common output vars)
* Maybe bring in water managers to group