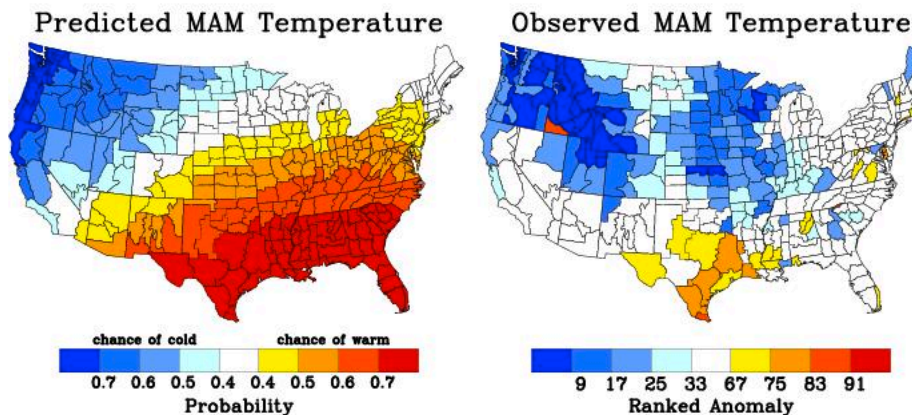# Let's not overlook long-standing gaps/needs
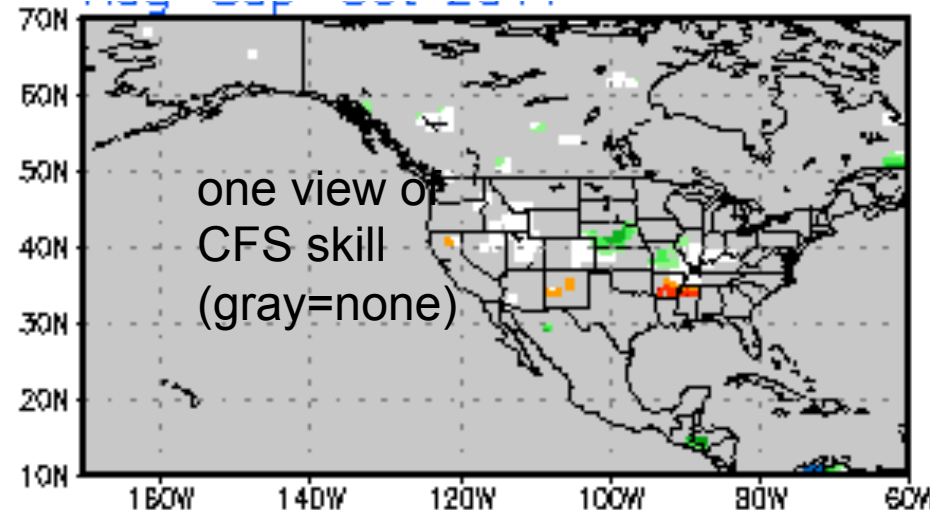
No-brainers …

- AOR -- high quality analysis (…), at least for surface fields

- robust, enhanced data infrastructure

- co-conceived model / data solutions

- better communication, DSS etc.

But to pick a key one …

Predicted MAM Temperature

Observed MAM Temperature

CDC Experimental Seasonal Prediction 1-month lead for MAM2008

one view of CFS skill (gray=none)

Re-double effort on high impact climate prediction

- skillful 1-month / 1-season ahead climate forecast

- ability to predict a 1-month ahead (sub-) regional climate extreme

N. American Precip forecast made: 1Oct2006
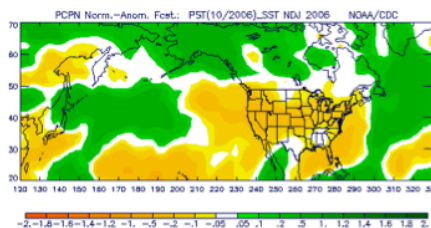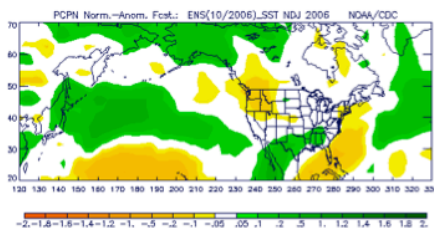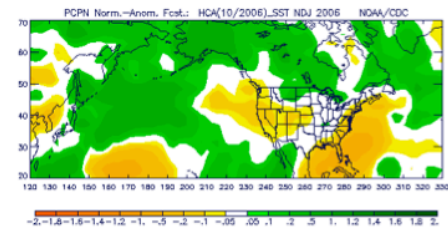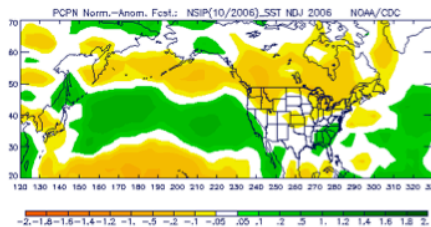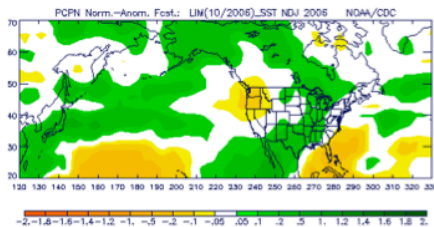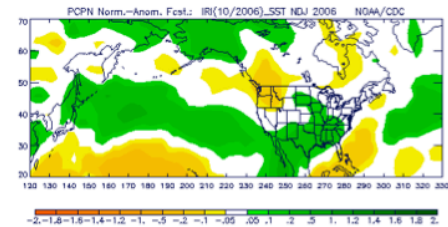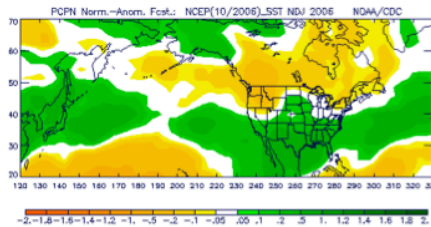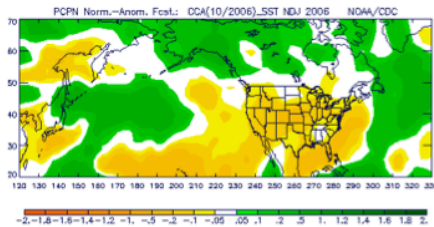
We need
truly integrative applied science effort

Truly integrative applied science effort
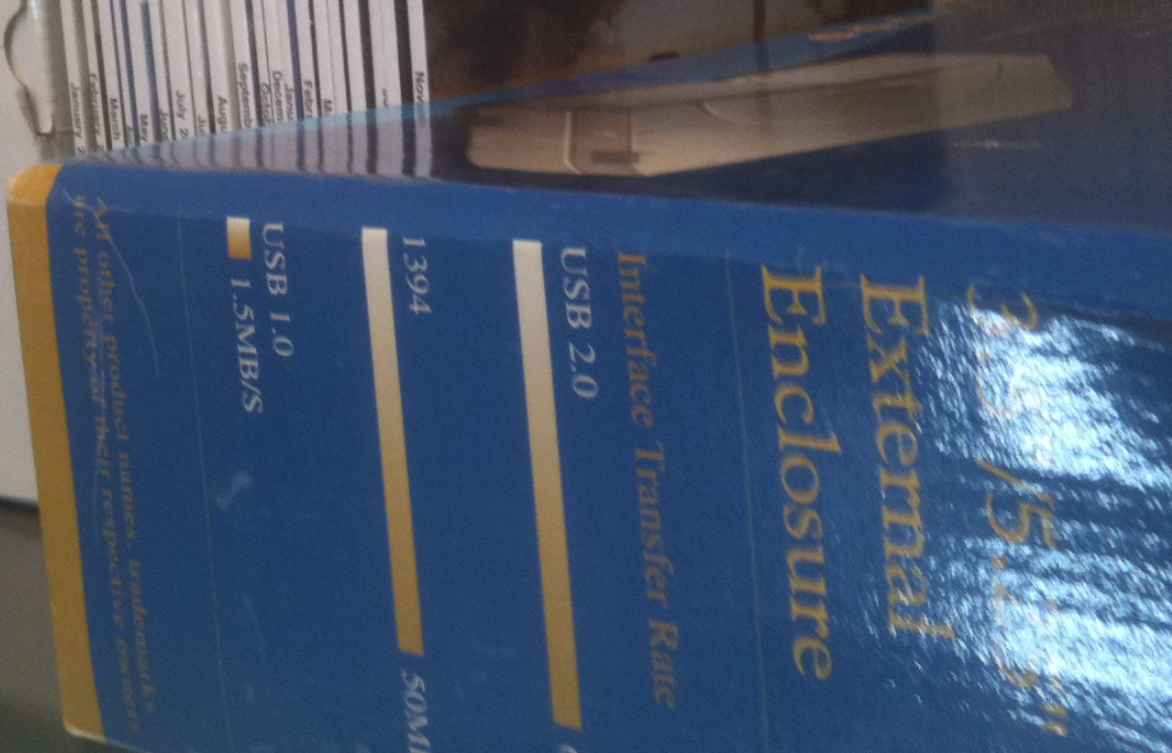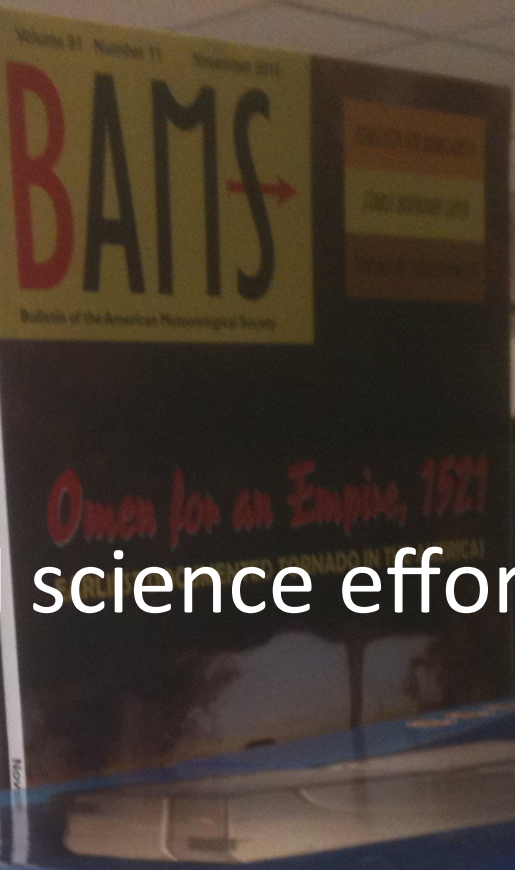
Does the 'hydrology community' include RFCs?

Forecasters/researcher exchange?

Task 4: Close interactions with partners and users	Year 1 Q1 Year 3 Q4

or: researchers make forecasts, forecasters do research?

    - does research just leave a tool/data ... or build capacity?

Current 'visitor attractions' in the Valley of Death:

- ad hoc labor-intensive manual operational processes in NWS
  - no time for innovation, collaboration, and **no landing pad for science**

- general ignorance in NWS about hydrologic science efforts +...

- general ignorance in research world about operational hydrology

*We must re-envision our support for operational participants in **applied** water cycle science.*

Is the next 'science $1M' best spent in an operational office?