

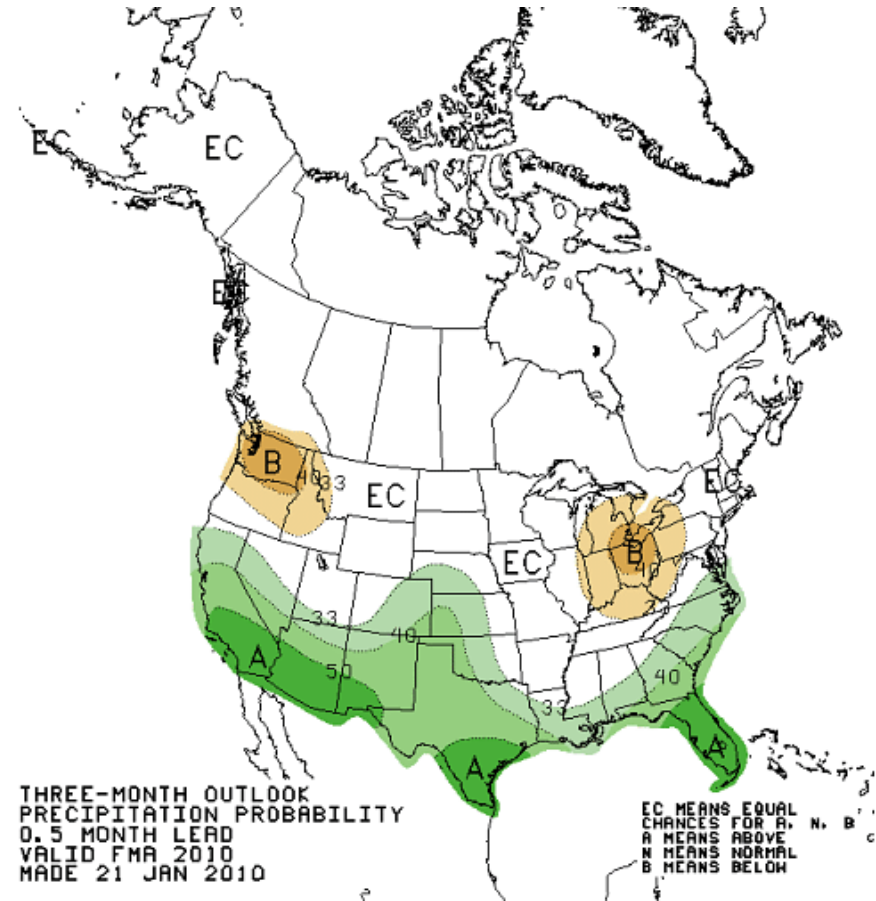
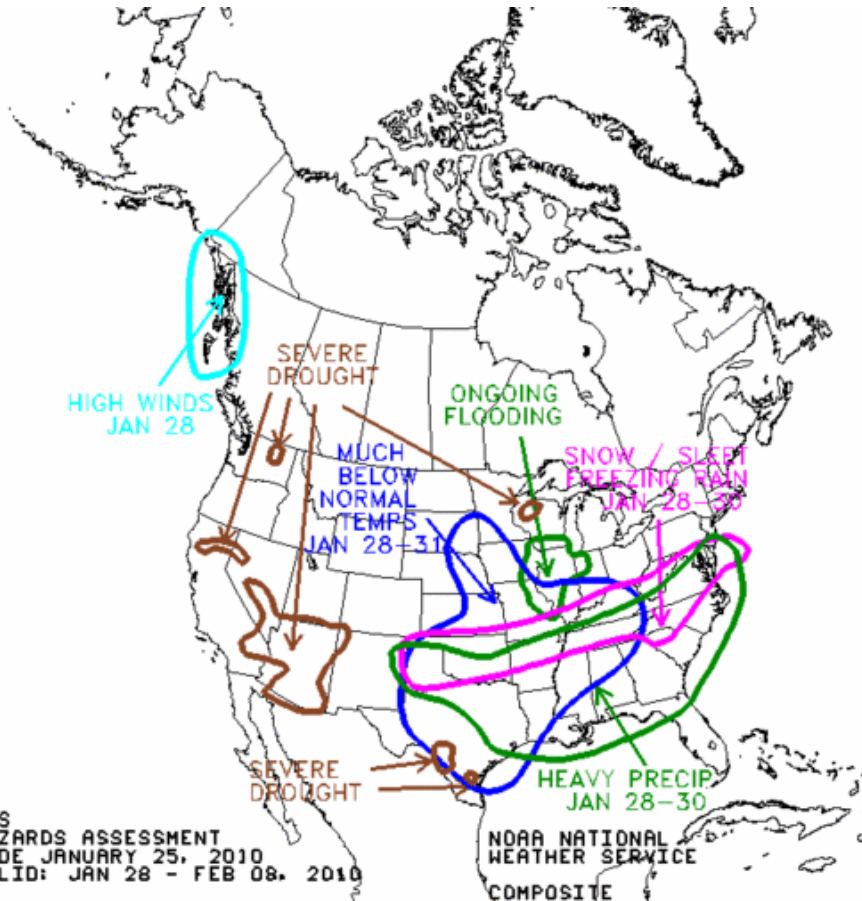


CPC Operations Branch An Overview



Edward O'Lenic, Chief

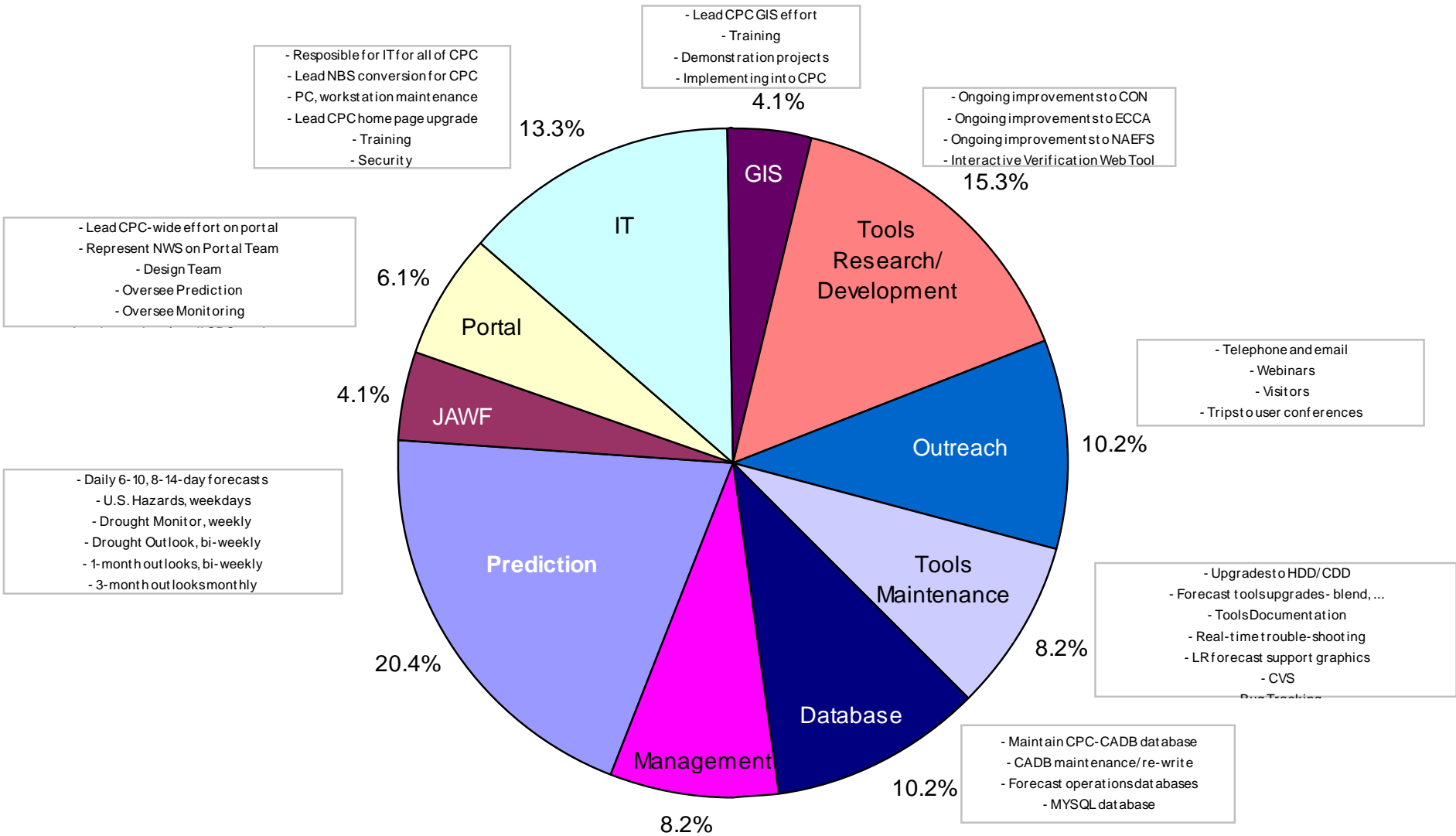
January 26, 2010



NWS
HAZARDS ASSESSMENT
MADE JANUARY 25, 2010
VALID: JAN 28 - FEB 08, 2010



Operations Branch Projects

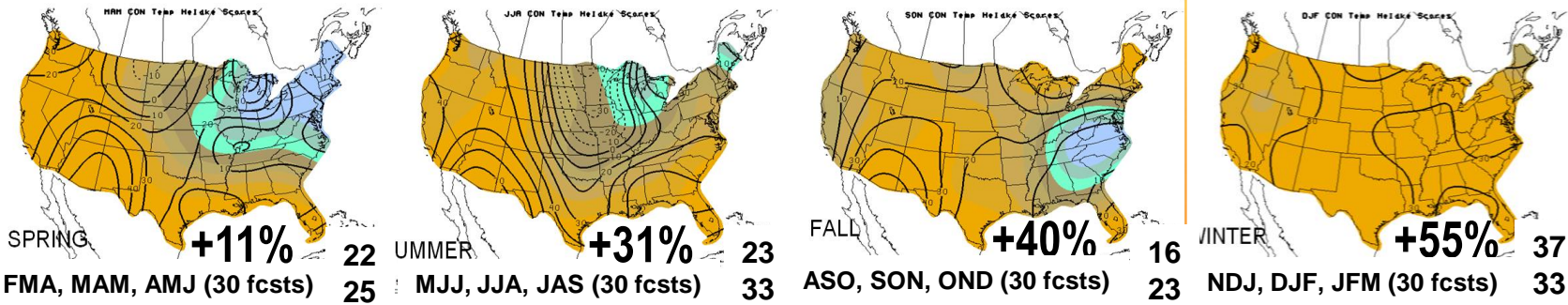




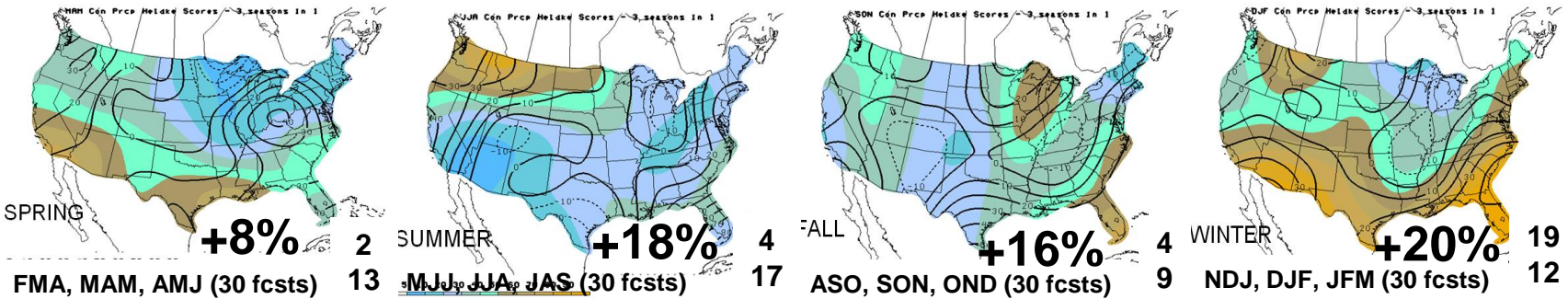
Objective Consolidation Improves upon Official forecast skill and coverage.



Consolidation (CON) .5 mo-lead 3-Month Temperature Outlook, 1995-2004



Consolidation (CON) .5 mo-lead 3-Month Precipitation Outlook, 1995-2004



MAPS: Consolidation skill score (lines), and fractional coverage (colors). Lower Right Corner of each map shows the seasonal mean skill score change from Official (top) to CON (bottom). Large % number is the change in fractional coverage, CON – minus – OFF, 1995-2004.



A Culture Change in Operations Branch



- Consolidation implemented late 2005.
- Official 3-mo forecast T, P, Skill, coverage show steady upward trends >2005
- We have embraced collaborative code development
- Implemented code version control (Subversion) and bug-tracking (Bugzilla).
- Introduced Java language into our software development process.
- Implemented rigorous, effective project management principles.
- Rapidly developed a prototype interactive verification web tool.
- Implementation scheduled for late 2010.