



NOAA Water Cycle Science Challenge Workshop

**30 August – 1 September, 2011
NOAA/Earth System Research Laboratory
Boulder, Colorado**



Origins

This Workshop follows a 2010 NOAA report “Strengthening NOAA Science” sponsored by Dr. Jane Lubchenko, which identified the following NOAA Science Grand Challenge:

“Improve understanding of the water cycle at global to local scales to improve our ability to forecast weather, climate, water resources and ecosystem health.”

Part of NOAA’s Next Generation Strategic Plan.



Overview

Workshop: not a meeting or a conference!

- Day 1: Overview of emerging user needs and science directions (traditional, transmit-receive mode)
- Day 2: Feedback and brainstorming in breakout groups
- Day 3: Discussion and Synthesis into Future Science Directions
- Day 4: Program Committee Work



Approach: Subject matter experts working together

Energize, elicit, create, synthesize,
integrate, report



Planning: Workshop Program Committee

Name	Affiliation
Marty Ralph (Co-Chair)	NOAA Earth System Research Laboratory/Physical Sciences Division
Bert Davis (Co-Chair)	USACE ERDC Cold Regions Research & Engineering Laboratory
Gary Bardini	California-Department of Water Resources
Kurt Brown	Bureau of Reclamation
Mike Dettinger	US Geological Survey
Ralph Ferraro	NOAA NESDIS/STAR
Dave Jorgensen	NOAA National Severe Storms Laboratory
Jim McNamara	Idaho State University
Christa Peters-Lidard	NASA
Pedro Restrepo	NOAA National Weather Service
Robin Webb	NOAA Earth System Research Laboratory/Physical Sciences Division



Summary

- **We need your help.**
- **We have a game plan.**
- **We hope you'll find the next three days stimulating.**
- **Your participation will make a difference.**