

# Climate Change and Water Working Group (CCAWWG)

## Updates on User Needs Documents

 <i>Surface Water, Groundwater, Ecosystems, Etc.</i>	 <i>Flood Control, Navigation, Hydropower, Etc..</i>	 <i>Water Supply, Hydropower, Ecosystem Needs, Recreation, Etc.</i>
 <i>Climate Change and Variability, Climate and Weather Predictability</i>	 <i>Water Quality, Air Quality, Etc...</i>	 <i>Emergency Management, Flood Risk Assessment, Etc.</i>

USGS – USACE HQ Meeting  
Sep 29<sup>th</sup>, 2010

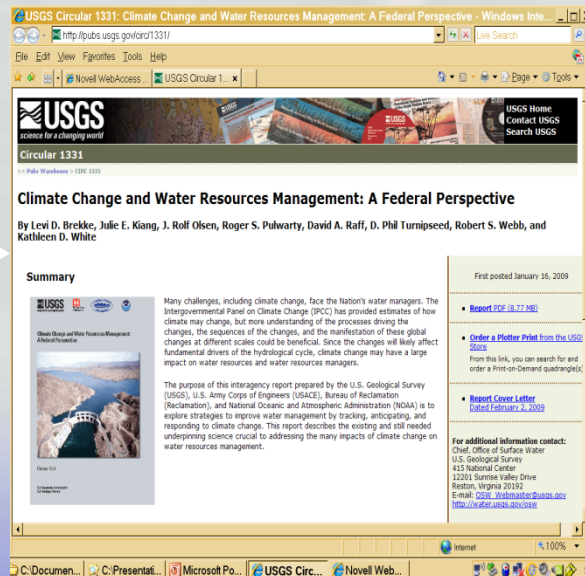
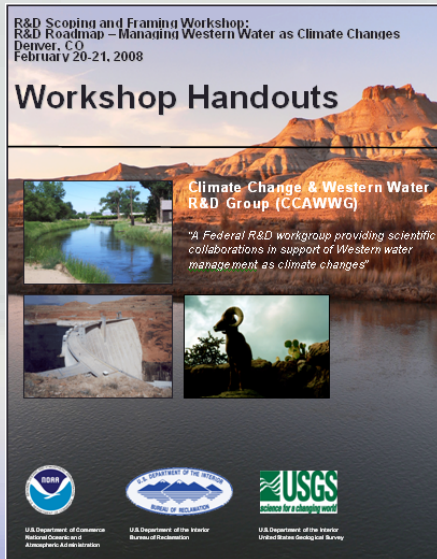


# Two Documents

- Both address Water Manager *User Needs for improving Tools and Information*
  1. “LTdoc” (Assessing Climate Change in Long-Term Water Resources Planning and Management)
    - Review Status & Finalization Plans
    - Initial Activities on Science Response (USGS/NOAA)
  2. “STdoc” (Use of Weather and Climate Forecasts in Near Term Federal Water Resources Management)
    - Development Status



# LTdoc: Development Pathway



## Addressing Climate Change in Long-Term Water Resources Planning and Management: User Needs for Improving Tools and Information

*Views of the federal agencies involved in managing water resources in the United States with perspectives provided by state, local, and stakeholder representatives of the water management community of practice.*

Prepared by:  
United States Department of the Interior, Bureau of Reclamation, Research and Development Office  
United States Army Corps of Engineers, Institute for Water Resources

September 30, 2010

*Note: This information has not been formally disseminated by the Bureau of Reclamation or the Corps of Engineers and should not be construed to represent any agency determination or policy.*

C-CAWWG  
February 2008  
Workshop

USGS Circular  
1331  
January 2009

CCAWWG User  
Needs Document

<http://www.usbr.gov/climate/userneeds/>



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# LTdoc: Status, Next Steps

- Schedule
  - Final Draft for Tech Editing: Sept 2010
  - Joint USACE-Reclamation Report: Oct or Nov 2010
- Science Response
  - USGS & NOAA activities began Spring 2010
  - Goal: develop science strategies specific to gap areas – Fall 2010/Winter 2011



# STdoc: Status, Next Steps

- Authorship Changes
- Schedule
  - Draft for Internal/External Review, early 2011
  - Final Draft for Tech Editing: Spring 2011
  - Finalize Document: Summer 2011
- Science Response
  - Similar approach as for LTdoc, Spring/Summer 2011



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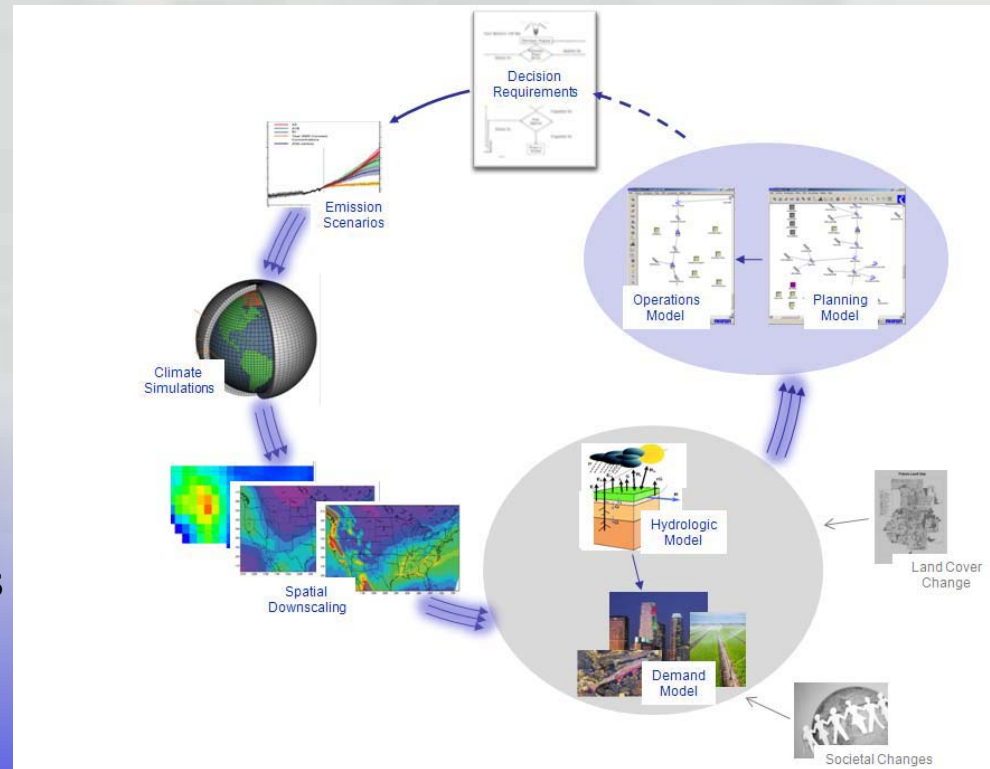
## Portfolio of Approaches Workshop (November 9-10, 2010)

 <i>Surface Water, Groundwater, Ecosystems, Etc.</i>	 <i>Flood Control, Navigation, Hydropower, Etc..</i>	 <i>Water Supply, Hydropower, Ecosystem Needs, Recreation, Etc.</i>
 <i>Climate Change and Variability, Climate and Weather Predictability</i>	 <i>Water Quality, Air Quality, Etc...</i>	 <i>Emergency Management, Flood Risk Assessment, Etc.</i>



# Portfolio of Approaches Workshop

- *“Assessing a Portfolio of Approaches for Producing Climate Change Information to Support Adaptation Decisions”*
- **Goals:**
  - develop a set of best practices for assessing the strengths and limits of the various approaches ...
  - Guidelines flexible enough to apply to current state-of-the-science information as well as future climate science developments



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## Training Program for Practitioners (2010-2011)

 <i>Surface Water, Groundwater, Ecosystems, Etc.</i>	 <i>Flood Control, Navigation, Hydropower, Etc..</i>	<b>RECLAMATION</b> <i>Managing Water in the West</i> <i>Water Supply, Hydropower, Ecosystem Needs, Recreation, Etc.</i>
 <i>Climate Change and Variability, Climate and Weather Predictability</i>	 <i>Water Quality, Air Quality, Etc...</i>	 <b>FEMA</b> <i>Emergency Management, Flood Risk Assessment, Etc.</i>

