

WTIUCC Residence Course Announcement

The COMET Program, the U.S. Department of Interior's Bureau of Reclamation, and the U.S. Army Corps of Engineers are pleased to announce the first *Water Temperature Impacts Under Climate Change (WTIUCC)* course under the Professional Development Series they have jointly developed, *Assessing Natural Systems Impacts under Climate Change*.

When: Tuesday, 12 August through Thursday, 14 August 2014, 8AM-5PM MDT daily

Where: University Corporation for Atmospheric Research, Boulder, Colorado

Lead Instructor: Dr. David Yates, the National Center for Atmospheric Research

Other Instructors: Drawn from the research and operational hydrology communities

Description: In this three day, instructor-led, in-classroom course, participants will explore methods to scope, conduct, and document an assessment of impacts (with uncertainty) from a changing climate on water temperature. Lessons in the course will focus on the water temperature in inland streams, rivers, and reservoirs. Students will examine climate-induced trends and projected changes for surface water hydrology and water temperatures. The learning environment will contain a mix of classroom lecture and discussion and hands-on activities led by experts in water temperature processes.

Targeted Attendees: Water resource practitioners and researchers working with current trends and future projections of climate change effects on water temperatures of inland streams and rivers

Desired experience/skills of Attendees:

- Familiar with watershed hydrology
- Comfortable with time series analysis and basic statistics
- Familiar with analyzing input and output data from environmental models

Prerequisites: This course builds on material in three prerequisite COMET modules:

1. *Introduction to Climate Models* (currently available, about 1.5 hours of material)
2. *Preparing Hydro-climate Inputs for Climate Change in Water Resource Planning* (currently available, about 5 hours of material)
3. *Basics of Water Temperature: Watershed Flyover* (will become available in early summer 2014, about 40 minutes of material)

More Information:

Visit: <http://courses.comet.ucar.edu/course/info.php?id=136>.

The website will be updated with course details, enrollment instructions, and hotel information in late May 2014.