



MtnClim 2012: Draft Agenda

October 1-4, 2012
YMCA of the Rockies, Estes Park, CO
www.fs.fed.us/psw/mtnclim/
Contact: cmillar@fs.fed.us

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Sunday, September 30, 2012

Sunday *Field Trip to Niwot Long Term Ecological Reserve.* Organizer: Bill Bowman, Mountain Research Station INSTAAR, Dept of Ecology and Evolutionary Biology, University of Colorado, Boulder, CO

Monday, October 1, 2012

Monday *Field Trip to Trail Ridge (TBA; research projects)*

Monday Eve Invited Talk: *Climate Round-Up 2010-2012*
Kelly Redmond, Desert Research Institute and Western Regional Climate Center,
Reno, NV

Tuesday, October 2, 2012

Tuesday AM Welcome (15 mins)

Invited Session: **Mountain Lakes.**

Organizers: Jill Baron, USGS, Natural Resources Ecology Laboratory, Colorado State University, Ft. Collins, CO; Connie Millar, USDA Forest Service, PSW Research Station, Albany, CA; Kelly Redmond, Desert Research Institute and Western Regional Climate Center, Reno, NV (5 speakers @ 30 mins).

Paleolimnological perspectives of recent environmental change in mountain lakes

Alex Wolfe, Dept of Earth and Environmental Sciences, University of Alberta,
Alberta, Canada

Reconstructing Alpine Snowpacks Using Diatom Inference Models and Long-Term Records of Lake Hydrochemistry

Jim Sickman, Dept of Environmental Sciences, University of California, Riverside, CA

Sudeep Chandra, Dept of Natural Resources and Environmental Sciences, University of Nevada, Reno, NV

Holocene Climate Variability in the Intermountain West: Evidence from Lake Sediments
Dave Porinchu, Dept of Geography, University of Georgia, Athens, GA

Proglacial Lake-Sediment Records: Searching For Climatic Significance in a Split-Personality System
Doug Clark, Dept of Geology, Western Washington University, Bellingham, WA

Panel & Group Discussion: ***Future of Mountain Climate Research***
(4 panelists; 60 mins total)

Greg Pederson, USGS, Northern Rocky Mountain Science Center, Bozeman, MT
Ben Bobowski, Rocky Mtn National Park, Estes Park, CO
Lara Kueppers, School of Natural Sciences, University of California, Merced, CA
Iris Stewart-Frey, Dept of Environmental Studies and Sciences, Santa Clara University, Santa Clara, CA

Tuesday PM

Invited Machida Session: ***Humans and Mountains of the West.***

Organizers: Dave Peterson, USDA Forest Service, PNW Research Station, Seattle, WA;
Linda Joyce, USDA Forest Service, RM Research Station, Ft Collins, CO (5 speakers @
20 mins + 20 mins discussion)

Adaptation of Mountain Regions to Drought Recurrence in a Context of Global Change
Sandra Lavorel, Laboratory of Alpine Ecology, UMR, CNRS, Grenoble, France

Community Adaptation to Changing Water Supplies and Increased Variability
Hans Schreier, Faculty of Land and Food Systems, University of British Columbia,
Vancouver, BC, Canada

Assessing Organizational Capacity for Adapting to Climate Change
Tim Williamson, Canadian Forest Service

Actionable Science and Decision Support for Managing Risks from Changing Mountain Climates
Holly Hartmann, University of Arizona, Tucson, AZ

Panel & Group Discussion: ***Perspectives on Emerging Mountain-Climate Institutions***
Organizer: Connie Millar, USDA Forest Service, PSW Research Station, Albany, CA
(4 panelists, 70 mins total)

Climate Science Centers: **Dennis Ojima**, Natural Resource Ecology Lab, Colorado State University, Ft Collins, CO

IPCC perspective: **Steve Running**, College of Forestry and Conservation University of Montana, Missoula, MT

UN Mountain Partnership **Karinjo DeVore** and **Rebecca Wallace**, Aspen International Mountain Foundation, Aspen, CO

National Climate Assessment: **Gregg Garfin**, Institute of the Environment and School of Natural Resources and the Environment, University of Arizona, Tucson, AZ

Tuesday Eve Poster Session

Keynote Speaker: *Ecosystem Goods and Services, Climate Change, and Adaptive Forest Management in Mountain Regions*
Harald Bugmann, Forest Ecology, Institute for Terrestrial Ecosystems, ETH, Zurich, Switzerland

Wednesday, October 3, 2012

Wed AM: **Contributed Talks** Session (6 speakers @ 25 mins)

Mini Invited Session

Role of Human Intervention in Climate Adaptation (30 mins)

Steve Running, College of Forestry and Conservation, University of Montana, Missoula, MT

Superensemble Regional Climate Modeling for the Western US: A New Way of Seeing Mountains (30 mins)

Phil Mote, Oregon Climate Change Research Institute and Oregon Climate Services, Oregon State University, Corvallis, OR

Wed PM: **Contributed Talks** Session (6 speakers @ 25 mins)

Wed Eve: **Keynote Speaker:** *Headwater Rivers and Carbon Storage*
Ellen Wohl, Colorado State University, Ft Collins, CO

Thursday, October 4, 2012

Thurs AM: Invited Session: **Early Career Scientists**.
Organizers: Andy Bunn, Dept of Environmental Sciences, Western Washington University, Bellingham, WA; Phil van Mantgem, Western Ecological Research Center, USGS, Arcata, CA (5 speakers @ 30 mins)

Thermal Heterogeneity in Streams: Animals Exploit It, Models Ignore It.

Jonny Armstrong, University of Washington, Seattle, WA,

Pattern and Processes of Tree Mortality at Local and Regional Scales

Adrian Das, USGS, Western Ecological Research Center, Three Rivers, CA

A Tree-Ring Record of Monsoon Climate in the U.S. Southwest

Daniel Griffin, University of Arizona, Laboratory of Tree Ring Research, Tucson, AZ

Disturbance Regimes and Disturbance Windows: Contemporary Post-Fire Phenology in the Basin and Range, USA

Joel Sankey, USGS, Western Geographic Science Center and USA-National Phenology Network Tucson, AZ

Microbially Mediated Nitrogen Cycling in Alpine Environments: Drivers and Constraints

Ed Hall, USGS, Fort Collins Science Center, Fort Collins, CO

Keynote Speaker *Extreme Events in Mountain Climates* (40 mins)

Mike Dettinger, USGS, Scripps Institution of Oceanography, University of California San Diego, La Jolla, CA

MtnClim Adjourns at Noon

Thursday, October 4, 2012

Thurs PM: **Post-MtnClim Community Forum: *Bridging Boundaries; Climate Change Adaptation Planning*; 1:30pm – 5pm.** Organizers: Linda Joyce, USFS, RM Research Station, Ft. Collins, CO; Jill Baron, USGS, Natural Resources Ecology Lab, Colorado State University, Ft. Collins, CO; Gregg Garfin, School of Natural Resources and the Environment, University of Arizona, Tucson, AZ; Sarah Hines, USFS RM Research Station, Ft. Collins, CO

*** See Separate Agenda ***

Open House: *NEON Headquarters*, Boulder, CO. Organizer: Dave Schimel, NEON Inc., Boulder, CO