

Ecoclimatology of the American West

Geography Colloquium (GEOG 490/690, 1 credit), Spring 2012

Organized by Prof. Franco Biondi, fbiondi@unr.edu

All talks on **Wednesday, 4-5 pm in DMS 105**

- Jan 25 **Jason S. McLachlan**, Dept. of Biological Sciences, University of Notre Dame, Indiana
Integrating the long-term record into estimates of ecosystem change
- Feb 1 **Michael Dettinger**, USGS and Scripps Inst. of Oceanography, La Jolla, California
Pivotal roles of atmospheric rivers in selected environmental and ecological issues around the Sierra Nevada
- Feb 8 **Pete Fulé**, School of Forestry, Northern Arizona University, Flagstaff, Arizona
Climate and forest fires in northern Mexico
- Feb 15 **John Kleppe**, Dept. of Electrical and Biomedical Engineering, UNR
Finding new constraints on ancient mega-droughts in the Lake Tahoe Basin and beyond
- Feb 22 **Emma Yates**, NASA Ames Research Center, Moffett Field, California
Measuring greenhouse gases in the middle of nowhere: Investigating spatial and temporal variability of atmospheric CO₂ and CH₄ at a playa site
- Feb 29 **Dan Gavin**, Dept. of Geography, University of Oregon, Eugene
Old forests with young histories: untangling multiple causes for the surprisingly dynamic history of Pacific Northwest old growth forests
- Mar 7 1st *Candidate for NV State Climatologist*
- Mar 14 2nd *Candidate for NV State Climatologist*
- Mar 21 SPRING BREAK - NO CLASS
- Mar 28 3rd *Candidate for NV State Climatologist*
- Apr 4 **Jose Salas**, Dept. of Civil and Environ. Eng., Colorado State University, Fort Collins
Stochastic hydrology in the framework of climate variability and change
- Apr 11 **Jeremy Littell**, Climate Impacts Group, University of Washington, Seattle
Ecoclimatology of fire regimes in the western U.S: Ecology, fuels, and water balance deficit
- Apr 18 **Robert Heinse**, Soil and Land Resources Division, University of Idaho, Moscow
Soil moisture thresholds in ecosystem resilience: A soil physics look at changing trends.
- Apr 25 **Brittany Johnson**, Graduate Program of Hydrologic Sciences, UNR
Quantifying environmental controls on sap flow in Great Basin tree species and their possible significance for mountain groundwater recharge under anthropogenic climate change
- May 2 **Mike Hay**, DendroLab, Dept. of Geography, UNR
Applying forest simulation modeling to test the impact of climatic change on selected ecosystems at two instrumented transects in Nevada