Water for Agriculture Workshop
"Integrating science, technology, and policy to address
Montana's water management challenges"

Agenda:

Day 1: 9:00am – 3:00pm @ UM James E. Todd building room #210

- Introduction, context and panel (9:00am – 12:00pm)
    - **Meeting overview and introductory remarks from Provost Harbor.** *Jon Harbor,* Executive Vice President and Provost of the University of Montana; *Marco Maneta*, Associate Professor of Hydrology and Hydrologic Modeling (9:00am - 9:15am)
    - **Context of Montana's hydro-climatology**. *Kelsey Jencso*, Director of Montana Climate Office and Associate Professor of Hydro-climatology, University of Montana. (9:15am - 9:35am)
    - **Context of Montana's agriculture.** *Bruce Maxwell*, Professor of Agricultural Ecology, Montana State University. (9:35am-10:00am)
    - **Break** (10:00am - 10:15am)
    - **Water management in MT**. *Paul Azevedo*, Chief Water Management Bureau, Montana Department of Natural Resources and Conservation (10:15am - 10:45am)
    - **Panel discussion** (10:50am - 12:00pm)
- Lunch (12:00pm - 1:00pm)
- Science Presentations (1:00pm - 3:30pm—15 minute presentations, 5 minutes for q&a)
    - **Ecosystem stress from declines in water supply.** *Zack Holden*, Research Scientist, US Forest Service. (1:00pm – 1:20pm)
    - **Source and quality of water in Montana landscapes**. *Stephanie Ewing*, Assoc. Prof. of Soil Hydrology, Montana State University. (1:20pm – 1:40pm)
    - **Field-scale decisions in Montana's agriculture**. *Bruce Maxwell*, Professor of Agricultural Ecology, Montana State University. (1:40pm – 2:00pm)
    - **Economic modeling of farmer adaptation to changes in water availability**. *Kelly Cobourn*, Associate Professor of Agricultural and Resource Economics, Virginia Tech. (2:00pm – 2:20)
    - **Break** (2:20pm – 2:30pm)
    - **Water policy constraints and opportunities**. *Brian Chaffin*, Assistant Professor of Water Policy, University of Montana. (2:30pm – 2:50pm)
    - **Satellite data-driven models for agricultural applications**. *John Kimball*, Professor of Remote Remote Sensing, University of Montana. (2:50pm – 3:10pm)
    - **Integrating science and technology for water management**. *Marco Maneta*, Associate Professor of Hydrology and Hydrologic Modeling, University of Montana. (3:10pm – 3:30pm)

- Drive to Lubrecht/personal time (3:30pm - 6:00pm)
- Dinner (6:00pm)
- Evening socializing (7:00pm-)

Day 2: 8:00am – 4:00pm @ Lubrecht Experimental Forest

- Breakfast (8:00am - 9:00am)
- Icebreaker activity (9:00am - 9:15am)
- Technical presentation of model capacity (9:15am - 10:15am)
- Break (10:15am - 10:30am)
- Facilitated discussion/engagement with MT agency professionals (10:30am - 12:00pm)
- Lunch (12:00pm - 1:00pm)
- PI/Technical meeting (1:00pm - 4:00pm, with break)
    - Model building process/what we have learned so far
    - What does the next phase of the project look like?
    - Priorities for project/model expansion: Reservoirs; Groundwater; Instream flows; Water quality; Applications for the entire U.S…
    - What are the policy implications and how do they drive what is next for the model?

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