

**Monday, April 17**

**Short Course Agenda Detail**

**"Tracing the Effects of Cloud Seeding through the Hydrologic Cycle"**

*River Fork Room*

- 11:30-12:15 **Working Lunch** (Included with Registration)
- 12:15-12:30 **Welcome**     **Scott Pattee**, WSC General Chair  
                                 **Tom Ryan**, WMA President
- 12:30-13:30 **General Overview of Cloud Seeding** **Mel Kunkel and Derek Blestrud**, Idaho Power Company
- Explain the processes and how different methods are conducted
  - Provide a general overview of programs in each state
  - Down range effects (Rob Peter to pay Paul)
  - Differences in licensing and laws in each state
  - Past law suits and those outcomes
  - Agl vs Ag, environmental impacts.
- 13:30-14:00 **Tracking Effectiveness of Cloud Seeding through Trace Chemistry and Physical Measurements**  
**Dr. Shawn Benner**, Boise State University
- 14:00-14:15 **Panel Q&A**
- 14:15-14:45 **Break**
- 14:45-15:15 **The WMO Solid Precipitation Intercomparison Experiment (WMO-SPICE)**  
**Dr. Roy Rasmussen**, National Center for Atmospheric Research (NCAR)
- 15:15-15:30 **Statistical Methods for Cloud Seeding Benefit Estimates**  
**Candice Hansenyager**, Utah Department of Water Resources (Invited)
- 15:30-16:00 **WRF Cloud Seeding Module-Development and implementation**  
**Dr. Lulin Xue**, National Center for Atmospheric Research (NCAR)
- 16:00-16:30 **WRF-Hydro and Routing Water through the System**  
**Dr. Lejo Flores**, Boise State University
- 16:30-16:45 **Panel Q&A**
- 16:45-17:00 **Course Closing and Announcements**