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Southwest Fire Science Consortium Newsletter

Fall 2011 Newsletter November 2011

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[If you would like to stay up to date on fire science and opportunities within the fire community, please...](#)

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Dear Participant,

If you have ideas for webinars, workshops, field trips, a featured article for our next newsletter, or other activities we should be involved in, please contact us at swfireconsortium@gmail.com!

Featured Note: NSF Funds Study of Historical Human-Fire Interactions

[Thomas Swetnam](#), Christopher Roos, T.J. Ferguson, Matthew Liebmann, Rachel Loehman, Robert Keane, and Sara Chavarria have been awarded a National Science Foundation (NSF) grant of nearly \$1.5 million over three years to pursue research of historical human interactions with fire and climate in the Southwest.

Through historical case study, they will test hypotheses of how human activities at the Wildland Urban Interface (WUI) affect response of fire-adapted forests to climate change and how humans respond to these changes. Large communities of Native American farmers lived within ponderosa pine forests through varying climatic episodes and this history may offer ways to deal with current issues.

Upcoming Events

Consortium Webinars:

"Carbon and water balances of southwestern ponderosa pine forests" with Thomas E. Kolb. 12pm MST, December 14, 2011. Click [here](#) to register.

"Hydrologic Impacts of High Severity Wildfire: Learning from the Past and Preparing for the Future" with Daniel Neary, Karen Koestner, Ann Youberg. January 18, 2012. Registration will open in December.

Conference:

Southwest Fire

Ecology Conference-

Fire Landscapes, Wildlife and People: Building Alliances for Restoring Ecosystem Resilience, AFE, SWFSC, HSU. February 27 - March 1, 2012 in Santa Fe, New Mexico. For information click [here](#).

Training Opportunities:

[Sierra Blanca Wildland Fire Academy](#), Ruidoso, NM.

January 28 - February 4, 2012. Click [here](#) for info.

[Arizona Wildfire Academy](#),

Prescott, AZ. March 10-16, 2012. Click [here](#) for more info.

Fire/Fuel Modeling

Workshops- Attend a series of classroom modules in one of several locations, such as Tucson, Phoenix, Prescott, or Flagstaff in Arizona, and Albuquerque, Taos or Alamogordo in New Mexico. Modules include instruction on: FlamMap, FRCC, Landfire, and

Archaeology and paleoecology will be combined to build multi-century fire and forest histories. Integrated research with American Indian tribal partners will contextualize the fire and forest histories and human responses to environmental changes. Findings from this research will promote the understanding of long-term landscape-scale dynamics of human societies, forests, and climate, which is necessary for sustainable management of similar forests across the west.

In addition to the research, the group plans to develop a local educational program with K-12 lesson plans that integrate fire and society issues in science and history classrooms.

"I grew up around archaeology and went to school with pueblo kids," Swetnam said. "It's a dream project for me. ... I hope this project will help me learn some social sciences and learn something from my former classmates and childhood friends."

AFE Southwest Fire Ecology Conference

Join us in Santa Fe, New Mexico February 27 - March 1, 2012! A great field trip and several modeling workshops will run on Monday February 27th. Tuesday, the conference begins with the opening plenary, including keynote speaker Phillip Connors (author of "Fire Season: Field Notes from a Wilderness Lookout").

For a full description of the schedule visit the [conference website](#).

SW Fire Consortium Travel Stipends

Any member of the fire community may apply for a travel stipend to the [AFE SW Fire Ecology Conference](#) in Santa Fe, New Mexico February 27-March 1, 2012. Submit all applications to swfireconsortium@gmail.com. Click [here](#) to download an application.

Deadline is December 9, 2011.

2011 Fire Season Roadshow

BehavePlus. Click [here](#) for full information and to [register](#).

RX310 - Intro to Fire Effects Course at the Southwest Fire Ecology Conference-
February 27-March 1, 2012
Click here for more [info!](#)

Free Presentations:

"The Four Forest Restoration Initiative: How the Forest Service, environmentalists, government and business have changed in order to restore the ecological resilience of forests at the landscape scale" -Vosick, Martin, Aumack, Davis, Provenci. 12pm December 9, 2011, Rm. 225 Bio Sciences East, University of Arizona, **Tucson, AZ.**

To add an event to our newsletter or website, please [contact us](#).

swfireconsortium@gmail.com

For quick fire science updates:



[Barb Satink Wolfson](#)
Southwest Fire Science
Consortium Coordinator
928-523-1148

Join us on a field trip to one or more of the 2011 Fire Season's most interesting fires. The Roadshow kickoff will be at the SW Fire Ecology Conference in Santa Fe, where we'll tour parts of Las Conchas Fire and other locations in the Jemez Mountains.



This spring, we will follow up with more field trips to other interesting fires in the southwest where we will be accompanied by local fire scientists and/or managers who are familiar with the individual fire. Scheduling is in process, so if you have ideas for field trips, please contact us at swfireconsortium@gmail.com.

Share Your Implemented Burn Plans

We will continue to collect implemented burn plans until further notice! In partnership with FRAMES, we will maintain an online archive of geospatially linked burn plans from around the Southwest.

Please send electronic copies of implemented burn plans to: swfireconsortium@gmail.com. If your burn plan only exists on paper, send to: Barb Satink Wolfson, NAU School of Forestry, Box 15018, Flagstaff, AZ 86011. Also include a summary paragraph of the lessons learned from that particular burn.

By sharing successful or not-so-successful prescribed burns, managers can learn from each other and we can archive on-the-ground experience. Burn plans will be searchable and tied to spatial attributes.

Recent Research & Informative Links

- ["Identifying Successful Native Species for Re-Vegetating Burned Arid Lands,"](#) Abella and Smith, 2011.
- JFSP Manager [Summaries](#)
- 2011 Fire Season RAVG [Reports](#)
- FRAMES [Top Ten Management Searches](#)

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Southwest Fire Science Consortium | Northern Arizona University | School of Forestry | 200 E. Pine Knoll Dr | Flagstaff | AZ | 86011