

Check out our Spring 2013 Newsletter! Lots of great information...
To have your event or research listed in our next newsletter, [contact us!](#)



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Events in the Southwest

SWFSC Webinars:

["The structure of fire size distributions: a broad view of interacting gradients in wilderness management, spatial climate, and topography in three western regions."](#) 5/15 12pm MDT.

Field Trips:

Wallow Fire, September 2013, more info to follow!

Save the date!

[Fire & Resiliency Ecology Workshop](#) February 24-27, 2014 in Tucson, AZ.

Useful Links & Publications

--"[Efficacy of Hazardous Fuel Treatments.](#)" Ecological Restoration Institute 2013.

--"[Can we manage for](#)

Greetings Barb!

SPRING 2013 NEWSLETTER

Featured Note

Climate Change and Wildfire in the Southwest

by Pete Fulé

News organizations around the world reported that carbon dioxide (CO₂) levels in the atmosphere crossed the threshold of 400 parts per million on May 10, 2013, the highest level in three million years[1]. What does the ongoing increase mean for wildland fire in the Southwest? First, we are already seeing a close association between rising temperatures and increased area burned across the West as a whole. A study published by Anthony Westerling and others in 2006[2] showed that warmer conditions and earlier snowmelt since the 1980s corresponded with greater fire acreage and longer fire seasons. Second, future predictions for southwestern climate were developed by Richard Seager and Gabriel Vecchi (2012)[3] by comparing the results of 24 climate models that reflect the heat-trapping effect of CO₂ and other greenhouse gases. Although there is variability in model outputs, they concur in forecasting a drier future, possibly with a "forced La Niña response" that would create dry La Niña conditions not only every few years, to which we are accustomed, but persistently. Third, even though forests store huge amounts of carbon, slow recovery after severe wildfires can convert them... [Click here to continue reading.](#)

resilience? The integration of [resilience thinking into natural resource management in the US.](#)" Benson and Garmestani 2011.

--JFSP [Findings Database](#)
--Top 10 Fire Management [Searches](#) in the Southwest

***Is your event missing?
[Contact us](#) to get the word
out on fire related events in
the Southwest!***



How-to User Guides (HUGs)

LANDFIRE tools and data can be used in a myriad of ways, each of which has a learning curve, just as all datasets and tools do. The goal of the support materials posted here is to help end users apply LANDFIRE products to real world land management and conservation problems.

For a list of in-depth guides, click [here](#). Be sure to visit the [Tutorials](#) section on the

[1] New York Times:

<http://www.nytimes.com/2013/05/11/science/earth/carbon-dioxide-level-passes-long-feared-milestone.html?hp>.

[2] [Westerling AL, Hidalgo HG, Cayan DR, Swetnam TW \(2006\) Warming and earlier spring increase western US forest wildfire activity. Science 313\(5789\), 940–943.](#)

[3] [Seager, R., and G.A. Vecchi. 2012. Greenhouse warming and the 21st century hydroclimate of southwestern North America. PNAS 107:21277-21282.](#)

[4] [Dore, S., M. Montes Helu, S.C. Hart, B.A. Hungate, G.W. Koch, J.B. Moon, A.J. Finkral, and T.E. Kolb. 2012. Recovery of ponderosa pine ecosystem carbon and water fluxes from thinning and stand-replacing fire. Global Change Biology 18:3171-3185.](#)



Restoration Handbook

[Breaking Barriers](#)
[Building Bridges](#)

Collaborative landscape-scale forest restoration on federally managed lands is an exciting, new public process designed to rescue dry, frequent-fire forest ecosystems through land management actions supported by science and social agreements. Such a complex, multi-perspective undertaking involves individuals, communities,



Learning Opportunities

Webinars:

["Quantifying biomass and fuels for non-forest lands of the coterminous US."](#)
11am MDT, May 14, 2013.

["Evaluation and adaptation in collaborative resource management - a new sourcebook."](#) 10am MDT, May 14, 2013.

["Can landscape-scale management influence insect outbreak dynamics? A natural experiment for spruce budworm."](#) 11am MDT, May 21, 2013.

Conservation Gateway as well to get the most out of these datasets.

organizations, federal and state agencies... ([click here to continue reading](#))

Conference:
[IAWF International Smoke Symposium](#) - Oct 21-24, 2013, Adelphi, MD.

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- Spring 2013 Newsletter - SW Fire Science - <http://t.co/BY95YxVbdC> 11:41AM
- RT @USInteriorJobs: seeks Forestry Technician (Fire Lookout) <http://t.co/WGPIPSZuau> #usdoi #job 3:01PM
- RT @srfirescience: Durango snow pack and runoff is down - see the fact sheet <http://t.co/zGD3PFvNMt> 11:44AM

Contact us at: swfireconsortium@gmail.com

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