



JOINT
FIRE SCIENCE
PROGRAM



Southern Fire Exchange

**Uniting Fire Science and
Natural Resource Management**



SOUTHERN Fire Exchange

A JFSP Knowledge Exchange Consortium



Presentation Outline

- Introduction to the Southern Fire Exchange
- Programs for natural resource managers
- How to get more information



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Introduction to SFE





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Southern Fire Exchange Mission

“Increase the availability and application of fire science information for natural resource management and to serve as a conduit for fire managers to share new research needs with the research community.”



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Accessible Fire Science for Resource and Fire Managers

- SFE is one of 15 JFSP regional Fire Exchanges serving fire and natural resource managers as well as science providers
- SFE Started 2010
- Goal: Enhance fire science delivery and adoption in the South





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Southern Fire Exchange Lead Organizations and Team



NC STATE
UNIVERSITY



Leadership:

Leda Kobziar, Ph.D. (UF) (Project PI)
Alan Long, Ph.D. (UF Emeritus) (Director)
Joe Roise, Ph.D. (NC State)
Kevin Robertson, Ph.D. (Tall Timbers)
Annie Hermansen-Baez (USFS
InterfaceSouth)

Staff:

David Godwin, Ph.D. (UF) (Outreach Coordinator)
Annie Oxarart, M.S. (UF) (Tech Transfer Specialist)
Chet Buell (NC State) (IT Specialist)
Carol Kimball (Tall Timbers) (Librarian)



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SFE Programs



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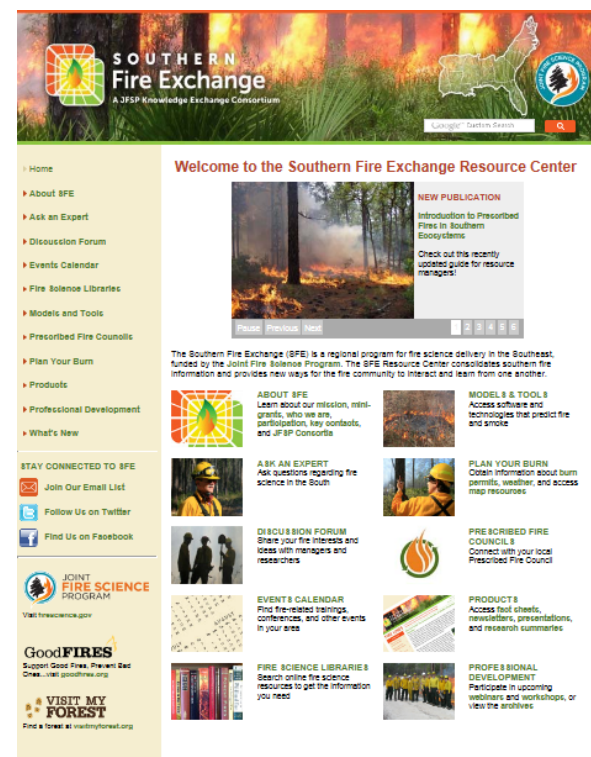
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Online Southern Fire Science Resource Center

www.SouthernFireExchange.org

- News / events in Southern fire
- State info on rxfire / PFCs / permits
- Tools for rxfire planning (weather / models / plans)
- All SFE science briefs and products
- Calendar (training, webinars, meetings)
- Discussion Board / Forum
- Links to many other fire information resources





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Some topics addressed by SFE programs:

- Fuel Treatments
- Fire in the WUI
- Fire and Birds
- Fire & Weather
- Fire Regimes
- Fire & Invasives



Past Topics:

- GIS & Mapping
- Smoke & Fog
- Prescribed Fire
- Fire and Wildlife
- Fire and Wetlands



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SFE Fire Science Fact Sheets

Summaries of key science and tools. Each 1-3 pgs.

- Veg. Treatment Options and Management Objectives in Longleaf Pine
- Mech. Treatments and Herbicides as Fire Surrogates:
- Custom GPS Enabled Maps on a Mobile Device
- Backfire Techniques for Prescribed Burning
- Ignition Devices for Prescribed Burning
- Fire Intensity and Fire Severity:
- Fuel Moisture and Prescribed Burning
- Flame Descriptors
- Basic Smoke Management Practices for Prescribed Burning
- Superfog: State of the Science

**Over 30
Different
Fact Sheets!**



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“Fire Lines” - Bi-Monthly Digital Newsletter

- Southern Fire Science News
- Research Briefs
- Lessons Learned Reports
- Partner Introductions
- Management Discussions
- Training Dates
- Meeting Dates



Are you getting *Fire Lines*?

Sign up at www.southernfireexchange.org!



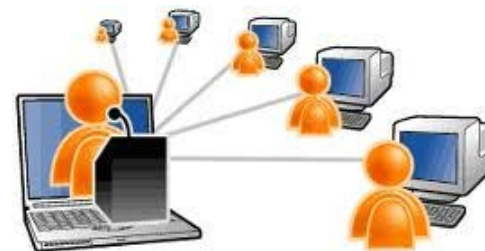
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Frequent Webinars (w/ Scientists, Researchers, and Experts)

- Prescribed Burning on Private Lands with Consultants
- PFTC Opportunities
- Prescribed Burning Techniques
- Prescribed Burning in OK, AR, and TX
- Planning Large Scale Burns
- LANDFIRE in the South
- Intro to Vsmoke Web
- MTBS Burn Severity Applications in the South
- GIS Migration from Desktop to Web
- Integrated Smoke Training
- Basic Smoke Management Practices
- Smoke and Emissions Models and Remote Sensing



Over 20 webinars now archived on YouTube!

<http://www.youtube.com/user/SouthernFireExch>





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Field Tours and Workshops for Managers and Researchers

Some past workshops:

- Chattahoochee Fall Line Conservation Partnership (GA)
- TNC Tiger Creek Preserve (FL)
- SJRWMD Julington-Durbin Preserve (FL)
- Joseph W. Jones Center (GA)
- TNC / Fort Benning ACUB / CFLCP Property (GA)
- Clemson Baruch Forest and Yawkey Island (SC)
- Apalachicola National Forest / Upland Ecosystems Restoration Project Area (FL)

CFE Credit
Available!



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Past Workshop Scenes:

TNC Chattahoochee Fall Line Conservation Partnership

Geneva, Georgia





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Past Workshop Scenes:

TNC Tiger Creek Preserve

Lake Wales, Florida





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Past Workshop Scenes:

SJRWMD Julington-Durbin Preserve

Jacksonville, Florida





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Past Workshop Scenes:

Apalachicola National Forest

Tallahassee, Florida



nature.org





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We're looking for more field tour and workshop locations!

Will you suggest a location or partner organization?





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Wrap-Up and More Info





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We want your input:

- *Recommendations for possible research/ field demo sites?*
- *Topics for future webinars, fact sheets, etc.*





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Connect with us!

www.SouthernFireExchange.org



contact@southernfireexchange.org



[@SEFireScience](https://twitter.com/SEFireScience)



facebook.com/sefirescience



www.linkedin.com/company/southern-fire-exchange

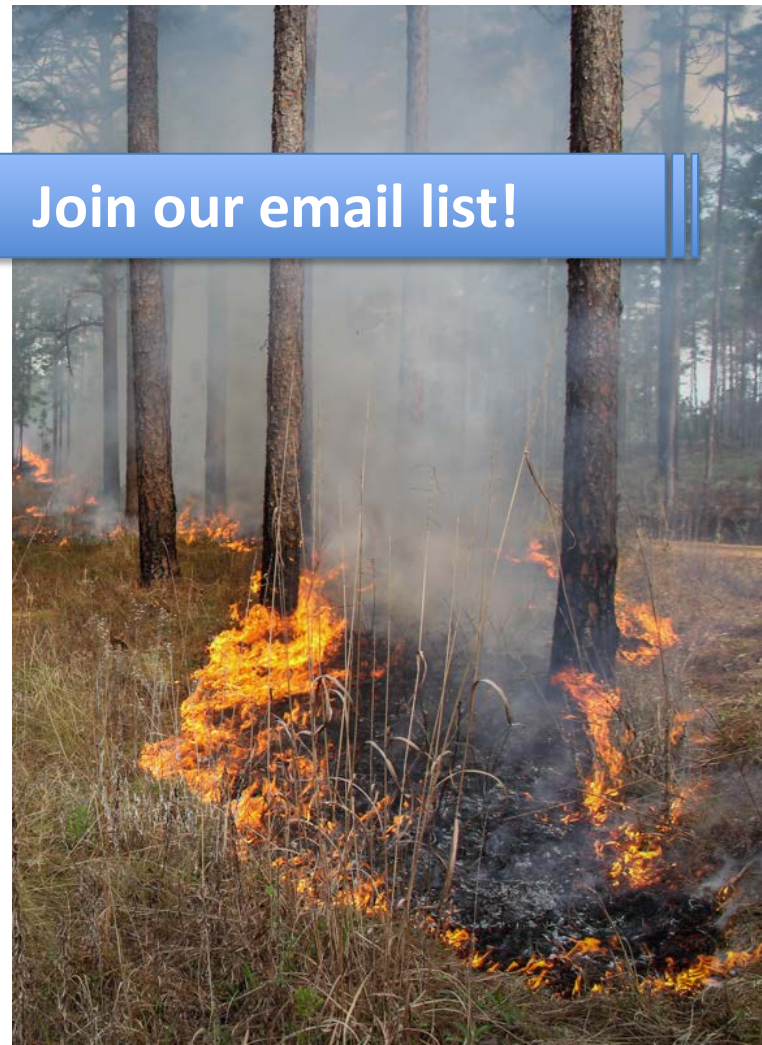


<https://www.youtube.com/user/SouthernFireExch>



<http://www.flickr.com/photos/105057014@N02/>

Join our email list!





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Accessible Fire Science for Resource and Fire Managers

Questions?

Thank you!