



**CONSORTIUM OF
APPALACHIAN FIRE
MANAGERS & SCIENTISTS**

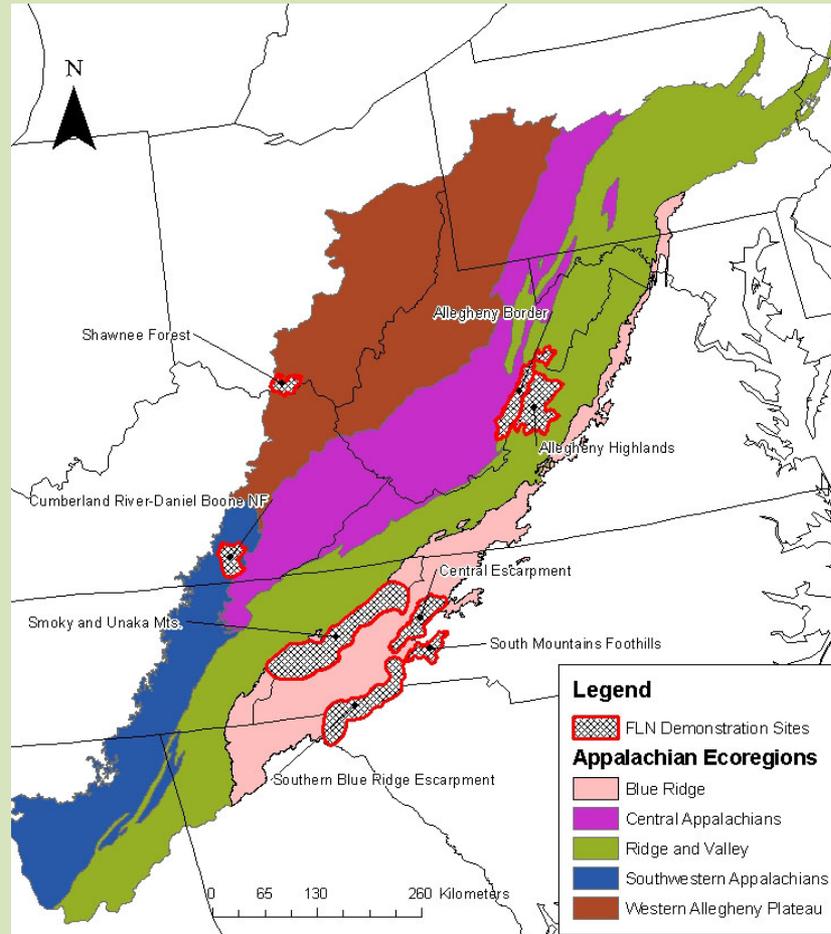
CAFMS Mission

To facilitate a flow of information about fire science and research needs among managers and scientists in the Appalachian Region.

Fire Science Exchange Network



CAFMS Geographic Region



Who/What is JFSP?

US Department of Interior – US Forest Service Joint Fire Science Program

- Provides credible **research** tailored to the needs of fire and fuel managers
- Engages and **listens to clients** and then develops focused, strategic lines of new research responsive to those needs
- **Solicits proposals** from scientists who compete for funding through a rigorous peer-review process designed to ensure the best projects are funded
- Focuses on **science delivery** when research is completed with a suite of communication tools to ensure that managers are aware of, understand, and can use the information to make sound decisions and implement projects

What Do Fire Managers and Scientists Say?

- “We have a lot of information but it is scattered and too difficult to find.”
- “Managers should read our publications, all the information is there.”
- “Research publications are too specific and difficult to read, especially when units are metric.”
- “I do not have time to meet and greet every land manager to sell my science.”
- “I am uncomfortable calling a scientist that I do not know.”
- “We need technical assistance with the models we have, not new models.”
- “Smoke issues may shut us down.”
- “We need one web site or one publication that has it all.”
- “We are excited that JFSP is giving us an opportunity to communicate; this meeting is a great start!”



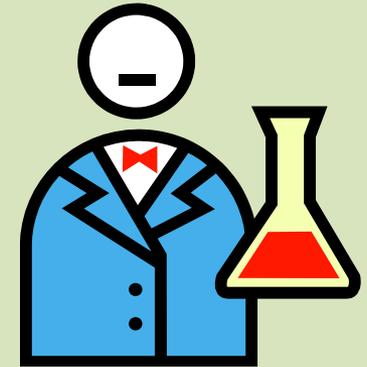
- “What we are trying to build is a trusted relationship between scientists and managers. Not science push, not manager pull, but honest dialog working to solve problems together.”
- “we are not trying to build something from scratch, but augment science delivery efforts already underway”
- “I firmly believe existing science delivery favors ad hoc, impersonal, and passive methods. Active science delivery demonstrates findings in the context of the managers needs and is both systematic and personal.”

Science Delivery

Managers



Scientists

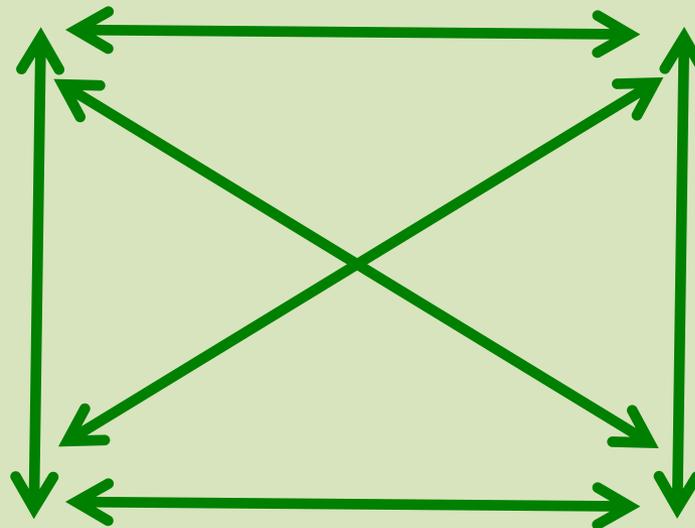
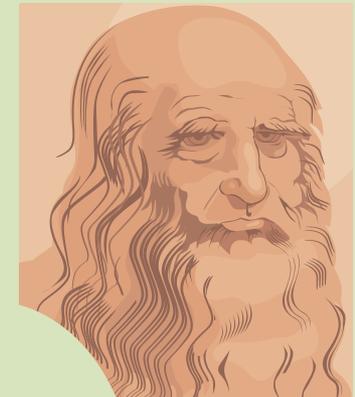
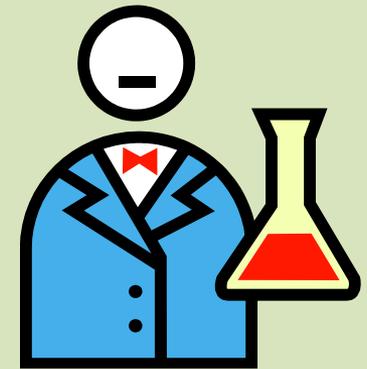


Science Delivery (Sharing)

Managers



Scientists



CAFMS Users Board

- Consists of 8 members and is chaired by the PI.
- Members were solicited on a volunteer basis.
- Members represent different user groups – managers of federal, state, NGO, and private lands as well as federal and university scientists.
- Members are those who face fire management problems on a daily basis as opposed to agency heads or upper management.
- Members have been asked to serve at least 2 years and some serve longer to ensure continuity.

CAFMS Users Board

- Mary Arthur - Professor, University of Kentucky
- Don Hagan - Professor, Clemson University
- Beth Buchanan, Fire Ecologist, Region 8
- Steve Croy - Ecologist, George Washington and Jefferson National Forest
- Ryan Jacobs - Wildlife Forester, NC Department of Wildlife Resources
- Ben Jones - Fire Manager, PA Game Commission
- Sam Lindblom - Ecologist and Fire Officer, TNC, Virginia
- Melissa Thomas Van-Gundy – Research Forester, Northern Research Station

CAFMS Staff

- Todd Hutchinson – PI, Research Ecologist, USFS Northern Research Station
- Helen Mohr, CAFMS Director, Forester, USFS Southern Research Station
- Jen Bunty – CAFMS Public Information Coordinator

www.Appalachianfire.org



Consortium of Appalachian Fire Managers & Scientists

ABOUT

RESOURCES

COMMUNITY

CALENDAR

WE'RE ON TWITTER! JOIN THE CONVERSATION!



CAFMS

How much Smoke will a Prescribed Fire Produce?

<https://t.co/ZzafTMoeML>

2 days ago

Follow @AppFireScience

Burning Issue: *Sparking Effective Communication about Fire*

February 7-8th in State College, PA

Hosted by the PA Prescribed Fire Council, CAFMS and
The North Atlantic Fire Science Exchange

Register at: www.Appalachainfire.org

MORE THAN A CHANGE IN SCENERY

BIG GROWTH

Occasional changes prevent invasive species from wiping out our specially adapted plants and animals. People benefit from succession because it allows a forest to produce food, building materials, clean water, and more.

DISTURBANCE

Changes in nature are caused by everything from large storms and fires to a single tree falling. Whether big or small, these forces or events are called disturbances. Even though disturbances vary, what occurs afterward is predictable.

PIONEERS

After a disturbance, shade plants and animals move into the area first. If the shade isn't completely cleared, the pioneer plants will be mosses or small grasses. The shade plants make it possible for shrubs and bulky plants to grow. Then, larger trees and animals make their way in and usually stay there until the next big change.

Natural areas are always changing. That's why people enjoy visiting the same places more than once. When you visit again, things may look different because of **SUCCESSION**. This natural, predictable process is when the types of plants and animals in an area change over time.

"Everything changes and nothing remains the same."
- Heraclitus, 5th century B.C.E.

FLN Consortium of Appalachian Fire Managers & Scientists
The Nature Conservancy
U.S. Forest Service

The Fire Learning Trail

FLN Consortium of Appalachian Fire Managers & Scientists

The Nature Conservancy

U.S. Forest Service

#goodfire

FLN Consortium of Appalachian Fire Managers & Scientists

The Nature Conservancy

U.S. Forest Service

PROTECTING OUR HOMES AND FORESTS

Wildland firefighters have a tough and exciting job. If a fire starts in the forest for any reason, it is their job to manage the situation. They use science and a ton of training to assess fire risk.

As the saying goes, "sometimes you have to fight fire with fire". Our firefighters use controlled burns to do just that. Controlled burns are a tool that limits the amount of fuel like dry leaves and branches that otherwise build up and contribute to uncontrollable wildfires.

Planning a controlled burn begins months in advance so firefighters can take advantage of ideal weather conditions. They write and follow a specific plan so each controlled burn is manageable and safe.

A crew is a group of firefighters. They work together and keep in constant communication. Many of the people in a crew have full-time jobs, but they take time out to serve our community.

P.P.E. stands for "personal protective equipment". It's a wildland firefighter's best friend. Firefighters don't head out to a fire without a hard hat, flame resistant clothing, sturdy boots, safety glasses, and leather gloves. They don't bring the kitchen sink, but they do bring a fire shelter everywhere they go. Fire shelters reflect heat and trap breathable air in the case of an emergency.

FLN Consortium of Appalachian Fire Managers & Scientists
The Nature Conservancy
U.S. Forest Service

3-day Fire Tour



Upcoming Webinars

- Mobile Mapping – An Introduction to Avenza Maps – Jason Hattersley – February 21st at 10:00a.m. Eastern
- Ecozone Mapping in the SC Mountains – Joe Lemeris – March 21st at 10:00a.m. Eastern

Fuels Guide

Prescribed Fire Training Exchanges - TREX

“Created in 2008 to ease bottlenecks in training the prescribed fire workforce, these training events have since been adapted to meet a number of essential needs.”



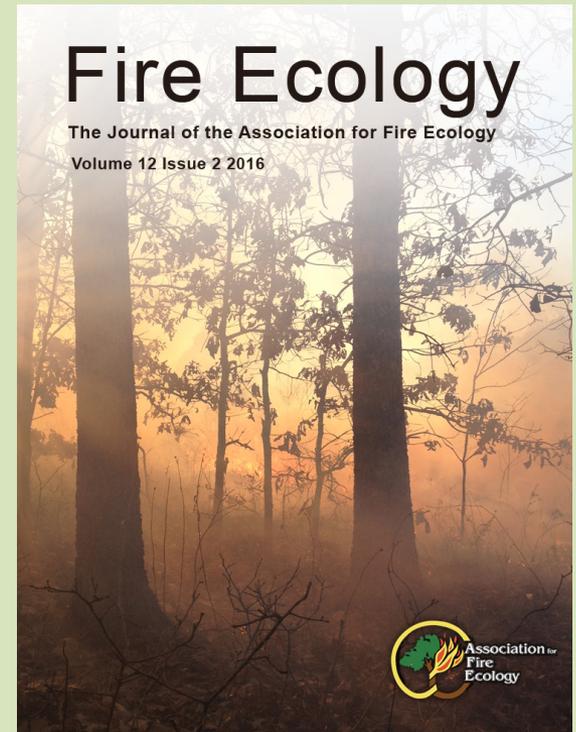
Southern Appalachian TREX – Fall 2018

- Based in somewhere in SC, NC or GA within the Southern Blue Ridge FLN
- Burning will occur on agency lands
- It will run 14 days (there is a 7 day option)



6th Fire in Eastern Oak Forests Conference

- Hosted by CAFMS, Oak Woodlands Consortium and PA Prescribed Fire Council
- Location – PA
- Dates – Fall of 2018



Research Needs for the Region

- Understanding the Effects of Prescribed Fire on TES Bats in Eastern Forests.
- Oak Regeneration: A Persistent Problem on many Forest Sites.
- Strategies for Prescribed Burning to Reach Management Objectives.

Regional Needs – Consortium of Appalachian
Fire Managers and Scientists- Season of
Prescribed Burning to Reach Management
Objectives

How to Reach CAFMS

- www.appalachianfire.org
- Twitter: @APfirescience
- Facebook
- helen@cafms.org

