Southern Rockies Fire Science Network

Sharing fire knowledge from mesas to mountains

Introduction to SRFSN
Key projects and products
Knowledge Exchange + Dialogue = Solutions for managers & landowners, potential research grants for scientists

Gloria Edwards, Program Coordinator
Where is Our Focus?

Habitat Types

- Subalpine
- Lodgepole
- Ponderosa Pine
- Oak/Shrub
- Grasslands
- Sagebrush
- Pinon/Juniper
- Desert/Redrocks
Major Issues in Our Region

Smoke and Air Quality

Fire-Adapted Communities & Fire Response

Fuels Management and Effectiveness

Sagebrush & Fire

Landscape Restoration & Resilience

Wildlife and Feral Animals

Collaboration and Education
Outreach and Collaboration

**Online Information**
Wildfire research, events, and news

**Face-to-Face Events**
Foster solutions through workshops, presentations, field trips, webinars, and conferences

**Partnerships and Networking**
Work closely with community groups, regional agencies, NGOs, universities and other fire science networks

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**SRFSN Activities 2014-2016**

- Training Sessions
- Field Consultations and Expert Cadres
- Field Trip, Tour, Demonstration or Roadshow
- Requests for Information, Assistance, or Referrals
- Short Courses and Continuing Education Units
- Poster Presentation
- Conference or Symposia Presentation
- Conferences/Workshops
- Guidelines or Guidebooks
- Fact Sheets and Handouts Produced
- Talks and Personal Briefings About The Exchange

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Graph showing the distribution of activities from 2014 to 2016.
We’re growing...

Primary Affiliation by Year Registered

- Federal
- Local Government
- Non-Profit
- Private
- State
- University
- Other

Participants

- 2014
- 2015
- 2016
- 2017
YouTube Channel Resources

It's not just who invades, but where:
Wildfires in the Western Great Plains linked to lower cheatgrass abundance

Wildland Firefighting with Geospatial Visualization Situational Awareness (GvSA)
Exploring real-time incident management technologies for wildland firefighting

Water Quality Impacts From the West Fork Complex Fire: Using Real-Time Data to Monitor Ecosystem Health in the Upper Rio Grande
Ashley Ruet, Dr. Terri Hogue (Hogue Hydrology Group) and Jackie Randell
Colorado School of Mines

Rio Grande Watershed
Emergency Action Coordination Team
Hinsdale County & Mineral County, Rio Grande County
Colorado Water Conservation Board
www.rweact.org
Online Resources

E-News (sign up in hallway):

www.southernrockiesfirescience.org
Gambel Oak Knowledge Assessment Project

Poorly understood in CO and UT; presents significant management issues
• WUI, Fire Behavior, pre- and post-fire ecology, and wildlife habitat and grazing

1. Assess current knowledge and research gaps
2. Build face to face and online engagement

Regional issues:
• *fuels management and effectiveness*
• *FAC and Fire Response*
• *Landscape restoration*

*Photos by 4cornershikesdol.blogspot; wilderness.net*
Gambel Oak Knowledge Assessment Project
1. Gambel oak community classifications and descriptions

2. Fundamental ecology of oak and associated tree and mountain shrub communities

3. Consequences of climate change

4. Fire behavior and ecological effects of fire

5. Treatment effectiveness for meeting long-term management objectives

Key Points on known Gambel oak communities, long-term ecology, adaptation, reproduction, fire ecology, & treatment effects.
BMP’s, Guidelines for Mulched Fuels, Front Range, CO

- Chipped and masticated fuels widespread throughout the southern Rockies region = ecological, management, and safety issues
- Identified as a priority issue by Front Range Roundtable, Southern Rockies Fire Science Network, & Colorado Forest Restoration Institute
- Stakeholders producing guidelines on best management practices based on fuels studies on Front Range
- Basis document as foundation for region-wide documents and workshops

Mastication
Chipping
Lop and Scatter
Burn Piles
Ecological effects
Wildfire behavior
Safety
Colorado Wildland Fire Conference 2017

Fire Adapted Communities:
Moving from Awareness to Action,
Messaging to Mitigation, & Words to Work

SAVE THE DATE!
APRIL 19-21, 2017
Pueblo, Colorado

This year’s conference will expand on the Fire Adapted Communities concept, providing the framework for moving from awareness to action, messaging to mitigation, and words to work. Anyone wishing to learn more about how they can reduce their community’s vulnerability to wildfire is welcome to attend.

PUEBLO CONVENTION CENTER 320 CENTRAL MAIN ST. PUEBLO, COLORADO
Key Take-Aways

• JFSP Exchange Service that “adapts to gaps” – evolving constructive exchange for solutions in management
• Provide on-going support: continuing services such as workshops, forwarding research needs, funding searches, publications, trainings, and field trips
• Publications provide foundations for future resources, can augment with future research, discoveries and options
• Flexible online resources can provide archives and forums for specific issues

How can we help YOU?
Questions?