

JFSP Overview

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JFSP – Who are we?

Scope

- National, interagency, applied
- Fuels treatment, expanded (NFP)
- Budget \$12M USDA FS and DOI

Program structure

- Governing Board
 - 10 members (½ FS & ½ DOI)
- Program Office
 - Program Director and three staff
 - Science advisors and writers
 - NIFC, Boise ID



JFSP – What do we do?

Identify Research Questions

Governing Board
Executive and stakeholder meetings
Roundtables, science plans
National fire science exchange network



Fund Studies

Open, competitive process
Peer review
Federal research labs & universities



Exchange & Apply Results

National fire science exchange network
Science reports & manuscripts
Syntheses & briefs
Website (www.firescience.gov)
Social media



Investment Strategy FY 14

Long-term funding	<i>millions</i>
• Lines of work	3.00
• Consortia	3.75
• Program management	<u>1.25</u>
Total	8.00

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Short-term funding	
Emerging management needs	70%
New science initiatives	15%
Remeasurement	15%



Science Portfolio

Lines of work (5+ years)

Fuels treatments
Smoke management

Emerging management needs

Fire weather forecasts
T&E species
Fire effects on water

New science initiatives

Fire social sciences
Fire ecology

Remeasurement

Prescribed fire effects
Effects of timber salvage



Smoke Line of Work

Roundtables



Problem statement



Science plan - themes

- Emissions inventory
- Model validation
- Human populations
- Climate change



Funded proposals (FY 08 – 12)

- PM, SOA, ozone, regional haze
- Model comparison, field measurement
- Public perceptions, mega-fires, health
- Climate change effects, black carbon



Fuels Treatments

Funded projects

Effectiveness/effects – 32 completed, 17 ongoing

Synthesis/demonstration - 16 completed, 2 ongoing

Findings - 232 specific results

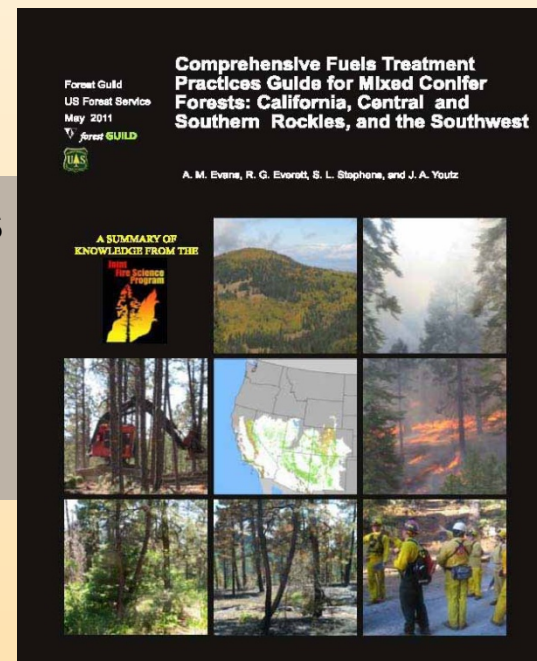
Fuels treatment regional guides

Ponderosa pine

Mixed conifer

Lake states pine

Loblolly pine



Science plan – themes

Fuels treatment – effectiveness, metrics, fuelbeds

Effects – nonnative species, non-forest types

Models – fire behavior, soils, consumption, winds



Regional Consortia – A Fire Science Knowledge Exchange Network

Goal – Accelerate the delivery and adoption of fire science findings

Key characteristics

- Boundary spanning partnerships
- End-user and science driven
- Active engagement



2013 Program Review Recommendations

- Outcome assessment
- National Cohesive Strategy
- Fire science agenda
- Governance/advisory role with FEC
- Re-charter (add two Board members)
- DC/policy fire science exchange



FY 14 Proposal Topics

(closes December 11, 2013)

Primary FON (2014-1)

1. Landscape effectiveness of fuel treatments
2. Wildfires as fuel treatments
3. SOA emission factors
4. Smoke effects on health
5. Fire effects on T&E bats
6. Fire effects on water
7. Fire weather data assessment

New Science Initiative FON (2014-2)

Social science – risk, fire-adapted communities

GRIN FON (2014-3)

Graduate student enhancement award

Knowledge Exchange Consortia FON (2014-4)

DC/policy, Mid-Atlantic/Northeast pre-proposals

