



Fire and Fuels Research *Integrated Fire and Fuel Management Science*

Forest Service scientists support decisionmaking to sustain ecosystems and the benefits that they provide to society.

Background

Forest Service scientists work to quantify interacting effects of fire and fuel management strategies on ecology, environment, and society.



*Left: Field studies in ecological monitoring with FEAT-FIREMON Integrated. Credit: Duncan Lutes, USDA Forest Service
Right: A researcher observes smoke behavior during an experiment. Credit: Roger Ottmar, USDA Forest Service*

Research Focus Areas:

- **Effects of landscape management strategies at multiple scales** - developing treatments that best protect communities
- **Effects of treatments and other human impacts on ecosystem components** - understanding how fuel treatments and post-fire rehabilitation affect vegetation, wildlife, insects, diseases, soils, water, and air
- **Biomass utilization, product development, and forest operations associated with fire and fuel management activities** - exploring opportunities and potential markets so the material removed for fuel management can be used for bioenergy or small-diameter wood products

