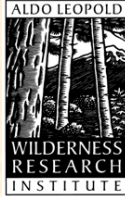




# Technical and social influences to the success of fire science delivery

The Aldo Leopold Wilderness Research Institute  
Missoula, Montana



Fire science delivery will be more effective if it is based on an understanding of personal and organizational influences to effective communication between research communicators and managers in different agencies, organizational units, and positions.

**Objective 1.** Identify and understand barriers to effective delivery and application of scientific knowledge by fire and fuels managers in the USFS, BLM, and NPS.

**Objective 2.** Develop recommendations that can be strategically used to increase the effectiveness and efficiency of science delivery to target audiences in different organizational units.

## Methods.

Step 1: Literature review & partner meetings → develop interview guide

Step 2: Agency case studies with in-depth interviews → identify and understand influences to science integration within the context of different agencies, organizational units, and positions

Step 3: Quantitative survey → use statistical analysis to identify prevalent influences among broader populations of managers in each agency

Step 4: Integrate results from case study interviews and quantitative survey

## Agency partner meetings.

- BLM managers & practitioners. Denver, CO. January 2005.
- Interagency fire & fuels practitioners. Jacksonville, FL. February 2005.
- USFS fire & fuels researchers & practitioners. Albuquerque, NM. March 2005.
- NPS managers & practitioners. Philadelphia, PA. April 2005.

### Research Team (JFSP #04-4-2-01)

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## Results of agency partner meetings.



## Interview themes.

Role of research, individual decision process, personal perceptions of science/scientists, organizational culture about science/innovation, communication network, communication goals, public influences, limits of science

## Publications.

**Wright, V. In Press. Communication barriers to applying federal research in support of land management in the United States.** In: Miner, Cynthia; Jacobs, Ruth; Dykstra, Dennis; Bittner, Becky, eds. 2006. Proceedings: international conference on transfer of forest science knowledge & technology. Gen. Tech. Rep. PNW-GTR-XXX. Portland, OR: US Department of Agriculture, Forest Service, PNW Research Station.

**Wright, V. 2006. Overcoming barriers to the use of science in National Parks (session summary).** In: David Harmon, Bruce M. Kilgore, and Gay Vietzke, eds. People, places, and parks: Proceedings of the 2005 George Wright Society Conference on parks, protected areas, and cultural sites.

