

Systematic Reviews



Manager knowledge gained through real-life experience is invaluable. Integrating this practical knowledge with high quality research to produce workable, evidence-based solutions to manager problems is what HDFSS strives for.

Teams of scientists working through HDFSS conduct Systematic Reviews of social science research relevant to manager-defined fire management issues. Next, we form working groups of managers and scientists to build custom tools and applications that are easy to use and can be applied to specific problems. The products are delivered through the HDFSS website and other organizations that support the dissemination and use of fire science.



Other things you can do at HDFSS

- check out the Frequently Asked Question page
- ask scientists and managers for their advice about a particular problem
- request a service, e.g. a simple bibliography to support an environmental assessment can be prepared for you (Some services are fee based)
- find and interact with other people interested in the same problems you are
- expand your professional networks
- find links to other sources of fire social science information
- participate on a working group to complete a systematic review
- help create applications from the results of research synthesized in systematic reviews
- post your most recent fire social science research reports or applications



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Photos by: Karen Wattenmaker

HDFSS

Human Dimensions & Fire Social Sciences



HDFSS is a collaboration of wildland fire managers and fire social scientists working together to convert the best available fire social science into applications useful to managers.

<http://frames.nbi.gov/hdfss>

What we offer at HDFSS

Reviews and Synthesis

Experiential Knowledge Syntheses - are the experiential equivalent of systematic research reviews. Facts and principles in the human dimensions of fire management are collected from highly experienced fire managers recognized as experts by their peers.

Narrative Literature Reviews - collect relevant research, evaluate the studies included, and synthesize results into scientific principles that can be applied to management problems. Narrative reviews typically select only those studies that the reviewer judges to be of highest quality.

Systematic Reviews - are the most rigorous and complete reviews. They focus on specific management problems. A Systematic Review considers all the research on a particular topic, establishes explicit criteria to include or exclude studies, evaluates the quality of the studies, and systematically combines findings.

Bibliographies - range from simple lists of publications to more elaborate annotated bibliographies and reading lists.



HDFSS Home Page



Applications and Tools

Fact Sheets - summarize findings from reviews targeting specific problems. They suggest ways to apply the findings. Several fact sheets may be produced from a single systematic review.

Practical Guidelines - include recommendations for best practices with respect to the topic they cover.

Quick Reference Guides - are checklists and reminders of the things to do or steps to take when tackling a problem. Examples include, "Signs of Fatigue Effects on Situational Awareness" and "Steps in Finding Neighborhood Opinion Leaders"

Social Science Updates - are brief descriptions of new fire social science tools, training, and research findings available as pod casts, video clips, and brief written articles that can be found at the HDFSS site or sent regularly to your email.

Current Fire Management Issues - are discussions of emerging fire management problems that research might help solve. They are intended to bring knowledge needs of fire practitioners into the mainstream fire social science research agenda.

Instructions, Classes, and Short Courses - in collaboration with colleges and universities, HDFSS offers on-line courses and short "how-to" lessons.



Topics in Human Dimensions of Wildland Fire

- Aesthetics & Visual Resources Management
- Arson
- Community Action
- Community Collaboration
- Community Communication
- Community Wildfire Protection Planning
- Disaster Communication
- Economic & Social Impacts
- Economic Values
- Evacuation & Reoccupation
- Fatigue
- Fire Education
- Fire Investigation
- Fire Law Enforcement
- Fire Line Leadership
- Fire Organization & ICS
- Fire Prevention
- Firefighter Safety
- Fitness & Crew Productivity
- Nutrition
- Wildfire Cost Management

