

Interagency Standards for Fire and Fire Aviation Operations

www.nrfirescience.org/resource/18907

Scope: The Interagency Standards for Fire and Fire Aviation Operations states, references, or supplements policy for Bureau of Land Management, U.S. Forest Service, U.S. Fish and Wildlife Service, National Park Service, and Bureau of Indian Affairs fire and fire aviation program management.

Original source policy is stated or...

Author(s): Interagency Standards for Fire and Fire Aviation Operations Group

Year Published: 2019

Type: Document

Technical Report or White Paper

Exploring influences on intended evacuation behaviors during wildfire: what roles for pre-fire actions and event-based cues?

www.nrfirescience.org/resource/19902

Fire management professionals across multiple countries advocate evacuation as the safest action residents can take when threatened by a wildfire. However, existing research notes that while some residents may opt to evacuate to a safer place, others may choose alternatives to evacuation, including staying and actively defending...

Author(s): Catrin Edgeley, Travis B. Paveglio

Year Published: 2019

Type: Document

Book or Chapter or Journal Article

Risk perception, sense-making and resilient performance: the sounds of wildland firefighting in action - Final Report to the Joint Fire Science Program

www.nrfirescience.org/resource/15572

Managing wildland fire is an exercise in risk perception, sensemaking and resilient performance. Risk perception begins with individual size up of a wildfire to determine a course of action, and then becomes collective as the fire management team builds and continuously updates their common perception of risk. Karl Weick has called...

Author(s): Anne E. Black, David Thomas, J. Ziegler, Elena Gabor, Rebekah L. Fox

Year Published: 2016

Type: Document

Technical Report or White Paper

Development and application of a probabilistic method for wildfire suppression cost modeling

www.nrfirescience.org/resource/12762

Wildfire activity and escalating suppression costs continue to threaten the financial health of federal land management agencies. In order to minimize and effectively manage the cost of financial risk, agencies need the ability to quantify that risk. A fundamental aim of this research effort, therefore, is to develop a process for...

Author(s): Matthew P. Thompson, Jessica R. Haas, Mark A. Finney, David E. Calkin, Michael S. Hand, Mark J. Browne, Martin Halek, Karen C. Short, Isaac C. Grenfell

Year Published: 2015

Type: Document

Book or Chapter or Journal Article

Examining fire-prone landscapes as coupled human and natural systems

www.nrfirescience.org/resource/18899

Fire-prone landscapes are not well studied as coupled human and natural systems (CHANS) and present many challenges for understanding and promoting adaptive behaviors and institutions. Here,

we explore how heterogeneity, feedbacks, and external drivers in this type of natural hazard system can lead to complexity and can limit the...

Author(s): Thomas A. Spies, Eric M. White, Jeffrey D. Kline, A. Paige Fischer, Alan A. Ager, John D. Bailey, John P. Bolte, Jennifer Koch, Emily K. Platt, Christine Olsen, Derric B. Jacobs, Bruce A. Shindler, Michelle M. Steen-Adams, Roger B. Hammer

Year Published: 2014

Type: Document

Book or Chapter or Journal Article

We are the Forest Service

www.nrfirescience.org/resource/18897

This 7 minute video describes a variety of risks faced by people who work for the USDA Forest Service.

Type: Media

Video

Operational Risk Management (ORM)

www.nrfirescience.org/resource/18896

Risk in the Forest Service. There is risk in everything we do. Risks taken to do our jobs are evaluated individually and collectively multiple times every day. Some actions we take to control risk require very little thought and are based on habit and collective knowledge. An example could be putting on a seat belt before we...

Type: Website

Website