Decision Support System Development of Wildland Fire

Guest Editors:

Dr. David E Calkin
USDA ARS Rocky Mountain Research Station, US Forest Service, 800 East Beckwith Avenue, Missoula, MT 59801-5801, USA

Dr. Matthew P. Thompson
USDA Forest Service, Rocky Mountain Research Station, 240 W Prospect, Fort Collins, CO 80526, USA

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Message from the Guest Editors

Increasingly damaging wildfires around the globe have challenged the fire management community's ability to achieve organizational objectives and meet societal expectations while protecting responders from the significant hazards of the wildfire environment. The inherent complexity and high levels of uncertainty require innovative partnerships between the research and management communities to create timely, accurate, and appropriate data and models that inform a range of critical management decisions. Decision support systems (DSS) are emerging that support the range of the risk management cycle of planning, deciding, executing, monitoring, and learning. Topics for papers in this Special Issue include development, application, and needs assessment of DSS to inform the range of wildfire management decisions, including wildfire management organizational design, pre-event wildfire response and fuel treatment planning, incident strategy, suppression of resource needs and effectiveness measurement, and multievent prioritization.

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Special Issue

Editors-in-Chief

Prof. Dr. Cate Macinnis-Ng
Department of Biological Sciences, Faculty of Science, University of Auckland, Private Bag 92019, Auckland 1142, New Zealand

Prof. Dr. Giacomo Alessandro Gerosa
Department of Mathematics and Physics, Catholic University of Brescia, I-25121 Brescia, Italy

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