



## Dynamic Modelling and Risk Assessment of Wildfire

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### Message from the Guest Editor

Wildfires are a major and recurrent threat to valued forest resources and assets resulting from complex interactions and synergies between humans and landscape. Wildfire modeling is currently a mature discipline in which a large number of approaches have been developed, from 'static' models based on long-term historical fire data to operational simulations and forecasts.

Science-based decision-making requires reliable and accurate inputs in order to provide effective recommendations. The most recent developments are clearly influenced by the increasing availability of information. Despite the challenge of managing such a huge amount of information, the current situation regarding data inputs and techniques opens the door to the development of dynamic models, conducive to the simulation and forecast of processes related to fire.

This Special Issue will comprise a selection of papers dealing with non-stationary modeling approaches of wildfire, paying special attention to fire risk. This includes (but it is not limited to) empirical models or simulations of hazard probability, fire danger, propagation, vulnerability, exposure assessments or post-fire response.





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