



fire



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Understanding Heterogeneity in Wildland Fuels

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Message from the Guest Editors

Dear Colleagues,

We are delighted to announce a Special Issue entitled “Understanding heterogeneity in wildland fuels”. Fuel models serve as a go-between between real fuels, with all their complexity and heterogeneity, and the inputs required by fire models. Fire models use fuel data with varying levels of abstraction, both in the specific attributes used to describe fuels, and in spatial resolution, ranging from coarse raster data (30m or larger), used widely in incident support applications, to arrays of 3D voxels of a few meters or less. New mapping data sources and approaches enable us to capture fuel structures and other properties with even finer detail. However, our understanding of the nature and role of fuel heterogeneity is still limited. Wildland fuels are heterogeneous in multiple ways (i.e., composition, structure, condition, and dynamics, to name a few). This Special Issue seeks to explore the topic of fuel heterogeneity, from within-plant, to stand and landscape scales, within the realms of fire science, modeling, and ecology.



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Special Issue