

Abstract

The 1931 Wildfire That Occurred in Supramonte (Sardinia): A Cartographic Study Useful for the Evaluation and Management of the Burned Area after 90 Years [†]

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Abstract: Measurements of the burned perimeters of historical wildfires are complex but very important in order to evaluate, understand, and manage post-fire regeneration. In this study, we analysed an extreme wildfire that occurred in the central-eastern part of Sardinia from the 8th to 12th of August 1931 in the Supramonte area (municipal areas of Orgosolo and Urzulei). Here, we present the preliminary results of a new cartographic method for the analysis of the area burned by this wildfire. A good estimation of the burned area is very important to evaluate and manage post-fire regeneration after 90 years. In this work, the spatial and temporal succession of the vegetation after the wildfire was analysed using GIS technology and multitemporal cartographic analyses. Some of the data related to the existing stand structures are also discussed by considering the forest vegetation characteristics in the study area before the event under analysis.



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