

Los paisajes de montaña en Cataluña: dinámica forestal y perturbaciones ambientales asociadas a los incendios

Catalan mountain landscapes: Forest dynamics and environmental disturbances associated to fires

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The main objective is to characterize the processes of forest disturbance from forest fires and to discuss its origins from the pollution and their relation with land uses. This has been prospected peatland *Sphagnum* sp. (Bassa Nera, 1,890 m asl) that has been described and sedimentary characterized with LOI and analyzed from the count of sedimentary charcoal (<150 microns) and the analysis of chemical elements with significant environmental impact, in addition to stable lead isotopes (^{206}Pb and ^{207}Pb). There have been a string of uninterrupted fires for the past 10,000 years, the influence of mining on the natural system since ancient times and pollution caused by lead added to gasoline is shown.

Key words: Sedimentary charcoal; Pyrenees; Stable isotopes; fires; heavy metals.