Fire in the Earth System Abstracts

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Looking for "fire" and "forest fire" concepts in the Spanish Primary School curricula. New Challenges for environmental education

¹Mar Cerdà-Benito, ²Francisco Escriva-Saneugenio and ²Artemi Cerdà

¹Escuelas de Artesanos. Fundación de la Comunidad Valenciana. C/ Reino de Valencia, 40, 46005-Valencia. Spain.

²Soil Erosion and Degradation Research Group, https://soilerosion.eu. Department of Geography, Valencia University, Blasco Ibàñez, 28, 46010 Valencia, Spain.

Abstract

Fire is present in all biomes of the Earth except Antarctica. Fire has been recorded for 400 million years. Fire is part of human culture as was used as a tool (1 million years ago) by the hunter-gatherers, and by farmers, since agriculture was developed 12000 years ago, and is used in festivals such as the bonfires, which are very relevant for the Mediterranean culture. Our research evaluates the information given to the students in Primary Schools in the Spanish Educational System. Fire is recurrent yearly in Spain with forest fires that affect close to half a million hectares in the worse years. Fires are for the Spanish citizens an environmental, but also a social issue. We quantified the presence of the word "fire" during the six courses of Primary School. Although forest fires must be flighted with education (McCaffrey, 2004) within the education system (De'Arman and York, 2021) to improve prevention (Xanthopoulus et al., 2022; Diekman et al., 2010; Mondozzi et al., 2001), our findings show that the word "fire" is being seen as negative. Although "forest fires" are part of nature, within the education system they are seen as a risk for goods and people. We discuss the need to be more informative and also introduce forest fires as part of nature. A holistic view of nature is necessary for our educational system.

Keywords: Fire, Forest, Spain, Primary, School, Education, Teaching.

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