

ON- AND OFF-SITE EFFECTS OF SOIL EROSION FOLLOWING WILDFIRE AND POST-FIRE LAND MANAGEMENT

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It is well-documented from across the globe that wildfires can provoke strong and sometimes extreme increases in runoff generation and soil erosion. It is equally well-documented from various parts of the world that post-fire runoff and especially erosion can be reduced very substantially by so-called "emergency measures". The presentation will give an overview of the research that the earth surface processes team of the University of Aveiro has been carrying out on both topics in north-central Portugal over the past decade, following the dramatic wildfire years of 2003 and 2005. Besides the results obtained so far, also future research directions will be discussed.

