

PUBLIC SESSION: IMPACTS OF FIRES ON WATER QUALITY

14 February 2018, 14h00-18h00

Faculty of Sciences, University of Lisbon, Building C6, room 6.1.36

2017 was marked by wildfires which ravaged Portugal and other regions around the world. The ash generated by these fires can contaminate downstream rivers and reservoirs, harming aquatic ecosystems and limiting water resources for human use. There is an urgent need to understand transport pathways, determine post-fire contamination risks, design effective mitigation measures, and support long-term land-use planning in fire-prone forests.



This session brings to Lisbon senior researchers from Europe, North America and Australia, to discuss the state of the art in post-fire contamination risk assessment, identify pressing research needs, and propose a way forward. We invite forest and water managers, local authorities and researchers working on water resources in fire prone regions to attend and contribute to the debate.

Entrance is free, but registration is required (email to amantunes@fc.ul.pt).

PROGRAM

14h00-14h10: welcome and opening

14h10-14h30: an overview of post-fire contamination; **João Pedro Nunes**, University of Lisbon

14h30-14h50: fire impacts on water supplies in Portugal; **Marta Carvalho**, Águas de Portugal

14h50-16h40: post-fire contamination around the world – problems, solutions, and ongoing work

Australia: **Gary Sheridan**, University of Melbourne

USA: **Charles Rhoades**, USDA Forest Service

Canada: **Monica Emelko**, University of Waterloo

Mediterranean: **Artemi Cerdà**, University of Valencia

16h40-17h00: post-fire contamination control measures; **Jacob Keizer**, University of Aveiro

17h00-18h00: public debate, moderated by **Stefan Doerr**, Swansea University

This meeting is organized by the Centre for Ecology, Evolution and Environmental Changes at FCUL (<http://ce3c.ciencias.ulisboa.pt/>), with support from COST Action ES1306 Connecteur (<http://connecteur.info/>) and the H2020 PLACARD project (<http://www.placard-network.eu/>).