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# NEWSLETTER

Centro de Recursos Naturais e Ambiente

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## Leonardo Azevedo was awarded a Fulbright Scholarship for Professors and Researchers 2018/2019



Leonardo Azevedo was awarded a Fulbright Scholarship for Professors and Researchers 2018/2019. This scholarship will support a six-month research period at Stanford and Wyoming Universities during the first semester of 2019. This period will be used to strengthen existing research collaborations and will focus on the development of new statistical methods and machine learning algorithms for subsurface modelling and characterization.

## The project “Water treatment of Lagoa das Furnas” was featured by Prof. Jorge Carvalho at the RTP Azores Television News



The project “Tratamento da água da Lagoa das Furnas”/“Water treatment of Lagoa das Furnas” of Prof Jorge Carvalho, from CERENA, was highlighted on the news at the RTP Azores Television News (January 13): <https://www.rtp.pt/play/p56/e325723/telejornal-acores>

The Regional Government intends to advance with water mass treatments in 2019. The Government will move forward with the treatment of the water mass of the Furnas lagoon at the beginning of next year. The experiment phase, which is being developed by researchers from Instituto Superior Técnico, should be completed by the end of this first half of the year.

## CERENA in Antarctica: 2018 Campaign



The new campaign of CERENA’s researchers in Antarctica is about to start. This year, the field activities will be developed by Pedro Pina and Sandra Heleno and will take place at Barton Peninsula during February 2018, focusing on the capture of millimetric images by drones to map and monitor patterned ground (stone circles) and vegetation (lichens and mosses) in a joint international contribution to better evaluate the impact of climate change on the ice-free areas of Antarctica.



These activities are part of project CIRCLAR2 supported by the Portuguese Polar Program (PROPOLAR) and will be developed in close collaboration with the Korean Polar Research Institute (KOPRI). A journal of the campaign, describing the activities being developed, will be regularly published in the blog of PROPOLAR. Stay tuned!

## UPCOMING EVENTS



XIV CGPLP  
Congresso de Geoquímica dos Países de Língua Portuguesa  
XIX Semana de Geoquímica



## [Maria de Lurdes Dinis nominated as “Counter-part” for IAEA’s projects](#)



[Maria de Lurdes Dinis](#) was nominated as “Counter-part” for the IAEA regional project (RER): “Enhancing the Regional Capacity to Control Long Term Risks to the Public due to Radon in Dwellings and Workplaces” and the IAEA international project: “Overcoming the Barriers to Implementation of Decommissioning and Environmental Remediation Projects”. Additionally she participated in the IAEA – ENVIRONET Plenary Meeting – held in Vienna, on December 5-7, where she was the reporter of her working group.

## [Seminar: “Breaking Down Conventional Barriers With Managed Pressure Drilling” by Patrick Brand – SPE Distinguished Lecturer](#)



The seminar entitled “Breaking Down Conventional Barriers With Managed Pressure Drilling” was given by Engineer Patrick Brand – SPE Distinguished Lecturer (Society of Petroleum Engineers), on January 19 at 12:00.

Patrick Brand is a founding partner of Blade Energy and former Drilling Technology Advisor for Mobil. In his 36 years in upstream oil and gas, Patrick has made numerous innovative and fundamental contributions to MPD, including the development of Dynamic influx control, dynamic pore pressure and fracture pressure determination.

Patrick is a former Chairman of the IADC UBO and MPD Committee and the SPE Re-Write committee for UBD. Education credits include a BS degree in Civil Engineering from Texas AM University.

More information: [poster](#)

## Published Paper:

### [One-component spray polyurethane foam from liquefied pine wood polyols: Pursuing Eco-Friendly Materials](#)

Rui G. dos Santos, Noemi F. Acero, Sandro Matos, Ricardo Carvalho, Mário do Vale, Ana C. Marques, João C. Bordado, Maria Margarida Mateus, “One-component spray polyurethane foam from liquefied pine wood polyols: Pursuing Eco-Friendly Materials”, [Journal of Polymers and the Environment](#), 26 (2018) 91-100.

DOI: [10.1007/s10924-016-0931-z](https://doi.org/10.1007/s10924-016-0931-z)