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June 2016

NEWSLETTER

Centro de Recursos Naturais e Ambiente

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2nd International Multidisciplinary Conference on Mineral Waters- MinWater2017



CERENA

Centro de Recursos
Naturais e Ambiente

In the 5th of July there will be two short courses to be held in CERENA/IST:

Introduction to geostatistics (6 hours)

Lecturers: José António de Almeida (FCT/UNL), Sofia Barbosa (FCT/UNL) and Ruben Nunes (CERENA/IST)

The main objective of this course is to give an overview of the main geostatistical state-of-the-art concepts routinely applied in environmental sciences.

Advanced geostatistics in environmental applications: different data integration in geostatistical models (6 hours)

Lecturers: Amílcar Soares (CERENA/IST), Leonardo Azevedo (CERENA/IST)

The main objective of this short course is to give the most recent advances in geostatistical integration of different data in the same model of spatial or space-time characterization of main properties of a physical phenomenon.

More information about the courses can be obtained at the webpage of the conference: <http://2016.geoenvia.org/>. To attend a Short Course, please send your request to monica.ribeiro@moimoportugal.com up to the 22nd of June.

2nd International Multidisciplinary Conference on Mineral Waters- MinWater2017

2nd International Multidisciplinary Conference on Mineral Waters:

Genesis, Exploitation, Protection and Valorisation – MinWat2017 is organized by José Manuel Marques, Senior Researcher at CERENA. All members of the “*Mineral and Thermal Waters World Community*”, whatever your field of expertise, are invited to attend the **MinWat2017 Conference**, to be held in **Luso Spa, Central Portugal, from 26th to 31st March 2017**.



The 1st International Multidisciplinary Conference on Mineral Waters: Genesis, Exploitation, Protection and Valorization – MinWat2014 was convened during September 2014 in Karlovy Vary (Czech Republic), with the colleagues Zbyněk Hrkal, Karel Kovar and Tomáš Vylita as the main organizers, which were the “*engine*” to promote the development of such an “*easy-going*” Conference format attracting professionals on/from:

Hydrogeology, Hydrogeochemistry, Isotope Hydrology, etc.;

Distribution of bottled mineral waters;

Use mineral and thermal waters as a tool for diversified diseases and their prevention, and

Local, regional, national, European, etc. Administrations”.

Three years later, the proposed destination and the facilities currently available and those to be developed prior to the start of MinWat2017 will provide one of the richest environments that the “*Mineral and Thermal Waters World Community*” will ever have experienced – people – friendly “*mineral and thermal water places*” that you will never forget. The focus on new developments and new perspectives on the above mentioned R&D fields will be the main objectives of this Event.

Abstract Submission Closes : 2nd October 2016

More Information on the Congress [webpage](#).

[MinWat2017 First Announcement](#) from Prof. José Manuel Marques

UPCOMING EVENTS



LANDFILL MINING WORKSHOP



The Workshop will take place from 14:30 pm until 17:30 pm, on the 28th of June (Tuesday) at LIPOR – Serviço Intermunicipalizado de Gestão de Resíduos do Grande Porto.

This interactive workshop, organized by ISWA's Working Group on Landfill and APESB (ISWA's Portuguese National Member), offers an expert overview of the current issues and developing trends on LANDFILL MINING.

Landfill remains the predominant disposal technology for waste management worldwide and is likely to do so for the foreseeable future particularly where open dumping remains as current practice.

Europe estimates suggest that there are somewhere between 150,000 and 500,000 landfill sites, either closed or still operational, in the EU-28.

For several reasons, like secondary resource (base metals, precious metals, construction materials and waste-derived fuels) harvesting for new materials manufacturing and for energy production, implementation of remediation measures due to environmental and health concerns and land-availability needs, landfill mining is becoming an important topic on waste management.

This workshop will take participants through the process of landfill mining, highlighting technical and economical aspects. It will also address some case studies from US and Denmark.

As a delegate, you will learn about the key areas and critical issues to consider in planning and implementation of landfill mining.

[Landfill Mining Workshop 28thJune WGL ISWA](#)

8th Portuguese Conference on Polar Sciences



The 8th Portuguese Conference on Polar Sciences will be held this year in Lisboa (26-28 October 2016) in a joint organization of 3 research centres from the University of Lisboa: CEG/IGOT, CEQ/IST and CERENA/IST.

The 8th Portuguese Conference on Polar Sciences will be held this year in Lisboa (26-28 October 2016) in a joint organization of 3 research centres from the University of Lisboa: CEG/IGOT, CEQ/IST and CERENA/IST. The presentation of the most recent advances obtained in the frame of the portuguese polar projects and the delineation of new cooperation strategies at international and national levels are the main focus of the conference.

Invited lectures will be given by renowned world experts and a workshop dedicated to the activities developed by polar early career scientists will be organized.

All information can be obtained at the webpage of the conference: <http://cienciapolar.weebly.com/>

Paper Published

[Forecasting O3 levels in industrial area surroundings up to 24h in advance, combining CART and MLP models.](#)

Rita M. Durão, Manel Mendes and M. João Pereira (2016). Forecasting O3 levels in industrial area surroundings up to 24h in advance, combining CART and MLP models. Atmospheric Pollution Research (DOI:10.1016/j.apr.2016.05.008), in press.

PhD Defense of Ana Lúcia Domingues

Last June 27, Ana Lúcia das Neves Araújo da Silva Domingues Alves successfully defended her PhD thesis entitled "Tomography of the East African Rift System in Mozambique", at IST, Lisbon.

Supervisors: João Fonseca (CERENA/IST/ULisboa) and Ana Margarida Ferreira (University of East Anglia).