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January 2017

# NEWSLETTER

Centro de Recursos Naturais e Ambiente

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## CERENA's Advisory Board visit



### CERENA's Advisory Board Visit

January 25-26<sup>th</sup>, 2016  
Programme

During two days the CERENA's Advisory Board ([Jaime Gómez-Hernández](#); [Giuseppe Bonifazi](#), [Sevket Durucan](#), [Jacques Védrine](#) and [Anselm Smolka](#)) met all the members of CERENA and visit the facilities, namely the laboratories. Several meetings were carried out in the two days, namely with the young CERENA's researchers. From Advisory Board's complete final report it is worth to quote the final sentence: " Overall, the Advisory Board considers that the evolution of the Center has been significant in the last years while the prospects for the future growth are large. The Advisory Board encourages the Center to keep working towards excellency."

## CERENA In Antarctica!



Pedro Pina and Sandra Heleno, researchers from CERENA, will develop a field campaign in King George Island (Maritime Antarctica) during January and early February 2017.

The activities are developed in the frame of project CIRCLAR from PROPOLAR (the Portuguese Polar Program) with the objective of monitoring patterned ground and other surfaces of ice-free regions of Antarctica.

The journal of the campaign can be followed at PROPOLAR blog: <http://www.propolar.org/>

## Field Campaign in Fogo island (Cape Verde) in December 2016



A field campaign took place in December 2016 in Fogo island in Cape Verde with the participation of CERENA. The objective was to acquire remotely sensed imagery with UAVs. The objective was to acquire remotely sensed imagery with UAVs. The campaign was a success, since all 'Chã das Caldeiras' was covered with ultra high resolution imagery.

Orthomosaics and digital elevation models with centimetric resolution will be prepared in a near future, to serve as the basis for all the other tasks of the project FIRE, funded by FCT, and whose main objective is to make a multidisciplinary evaluation of the 2014-2015 eruption.

A video summarizing the campaign can be seen here: <https://youtu.be/j9yTeX6xD9Q>

## UPCOMING EVENTS



## Ocean Engineering and Development of Marine Economy



8th February 2017 , 15:30, room VA5 , Civil Building  
Organized by **rede Mar** of Lisbon University

**Rede MAR** is one of the Interdisciplinary Thematic Networks of the University of Lisbon, with the objective of developing a strategic plan in the area of Sciences and Technologies of the Sea, by integrating teachers and researchers from the various schools, institutes and research centers of the UL.

The objective of this conference on “Ocean Engineering and Development of Marine Economy” is to present some of the knowledge and expertise of this field in the network, to attract and involve more synergies of the school.

**Chairman:** Amílcar Soares

“**Materials protection – The path to minimize O&M (Operations and Maintenance)**” - Fátima Montemor (IST)

“**Marine Robotics: New Tools for Ocean Exploration and Exploitation**” - António Pascoal (IST)

“**Marine Economy**” - Ruben Eiras (Ministério do Mar)

## Amélia Dionísio- Member of the Scientific Committee of CREPAT



Next 29-30 June 2017 will be held in University of Aveiro the Congresso da Reabilitação do Património (CREPAT).

Amélia Dionísio was invited to participate in the Scientific Committee.

[http://www.gecorpa.pt/upload/Agenda/congresso\\_aveiro.pdf](http://www.gecorpa.pt/upload/Agenda/congresso_aveiro.pdf)

## COST Meeting: Open Multiscale Systems Medicine (OpenMultiMed)



Multiscale systems medicine assumes that the growing amounts of highly diverse (multiscale) data relevant to human health and disease are the key to address current and future medical challenges.

Transforming these data into effective and economical medical solutions requires appropriate means for multiscale data modelling, integration and analysis (COST Action “OpenMultiMed”, CA15120).

The next Management Committee (MC) meeting will be held in Porto, Portugal, 20-21 February-2017, several sessions are open to professors, senior and early-career researchers (PhD/MSc. Students, Post-Docs), practitioners, and observers from companies, stakeholders, institutions interested in the “OpenMultiMed” subjects.

The COST Actions aim at the promotion of scientific and technologic development, considering both human resources and equipment, thus the Agenda is also fostering the interaction with other events in the same week, namely, the conference BIOSTEC 2017, and a Training School is being prepared too.

Additional information and updates are made available at [www.tinyurl.com/CA15120-Porto](http://www.tinyurl.com/CA15120-Porto) or contact the Local Organization ([ilmiranda@estgp.pt](mailto:ilmiranda@estgp.pt) ; [joaluismiranda@tecnico.ulisboa.pt](mailto:joaluismiranda@tecnico.ulisboa.pt)) for further details.

VENUE: Crowne Plaza Hotel Porto, Av. da Boavista 1466, 4100-114 Porto

Email: [opocp.info@ihg.com](mailto:opocp.info@ihg.com)

More Information : [openmultimed\\_mc-meeting\\_announcement-en\\_23jan2017\\_v5](http://openmultimed_mc-meeting_announcement-en_23jan2017_v5)

## **Paper Published**

### Accurate determination of surface reference data in digital photographs in ice-free surfaces of Maritime Antarctica

Pina P., Vieira G., Bandeira L., Mora C., 2016, Science of the Total Environment 573: 290-302.

<http://dx.doi.org/10.1016/j.scitotenv.2016.08.104>