

MEMBER COUNTRY:

Portugal

National Report to SCAR for year:

2010-11

Activity	Contact Name	Address	Telephone	Fax	Email	web site
National SCAR Committee	Adelino V M Canario	Centre of Marine Sciences, University of Algarve, Gambelas, 8005-13	00351 28980057	00351 28979971	acanario@ualg.pt	
SCAR Delegates						
1) Delegate	Adelino V M Canario	Centre of Marine Sciences, University of Algarve, Gambelas, 8005-13	00351 28980057	00351 28979971	acanario@ualg.pt	
2) Alternate Delegate						
Standing Scientific Groups						
Life Sciences						
1)	José Xavier	Institute of Marine Research, University of Coimbra	00351 936728419		jccx@cantab.net	
2)						
3)						
4)						
Geosciences						
1)						
2)						
3)						
4)						
Physical Sciences						
1)						
2)						
3)						
4)						

Activity	Contact Name	Address	Telephone	Fax	Email	web site
Scientific Research Program						
ACE 1) 2) 3) 4)						
AGCS 1) 2) 3) 4)						
EBA 1) 2) 3) 4)	José Xavier	Institute of Marine Research, University of Coimbra	00351 936728419		jccx@cantab.net	
ICESTAR 1) 2) 3) 4)						
SALE 1) 2) 3) 4)						
AAA (2010-) 1) 2) 3) 4)						

Activity	Contact Name	Address	Telephone	Fax	Email	web site
ACTION GROUPS						
1) SCAR-CBET	José Xavier	Institute of Marine Research, University of Coimbra	00351 936728419		jccx@cantab.net	
2)						
3)						
4)						
insert others as needed						
EXPERT GROUPS						
1) EGBMM	José Xavier	Institute of Marine Research, University of Coimbra	00351 936728419		jccx@cantab.net	
2) PPE	Gonçalo Vieira (Co-Chair)	Centro de Estudos Geográficos, IGOT- Universidade de Lisboa, 1600-214 Lisboa, Portugal	00351 217940218	00351 217938690	vieira@campus.ul.pt	http://erth.waikato.ac.nz/antpas/
3)						
4)						
insert others as needed						
SCADM						
1)						
2)						
SCAGI						
1)						
2)						
NATIONAL ANTARCTIC DATA CENTRE						
SCAR DATABASE						
insert name of database for which your country has responsibility						

A BRIEF SUMMARY OF SCIENTIFIC HIGHLIGHTS*:

EARTH SCIENCE:

Project PERMANTAR-2 - Permafrost and Climate Change in the Maritime Antarctic (Principal Investigator: Gonçalo Vieira, CEG-UL). Activities focussed in 3 areas in the season 2010-11:

- a) Deception Island - A joint Portugal-Spain-Argentina-USA campaign took place in January 2011 on soils and geomorphological processes surveying and mapping, maintenance of permafrost and active layer monitoring sites. Participation of the Universities of Lisbon, Wisconsin-Madison, Buenos Aires and Alcalá de Henares.
- b) Livingston Island - A joint Portugal-Spain-Bulgaria-USA campaign took place in January-February 2011 on soils and geomorphological processes surveying and mapping, maintenance of permafrost and active layer monitoring sites. Participation of the Universities of Lisbon, Wisconsin-Madison, Sofia and Alcalá de Henares.
- c) King George Island - A joint Portugal-Brasil campaign took place in February-March 2011 with the installation of a new permafrost monitoring borehole in Keller Peninsula. Participation of the universities of Lisbon, Évora, Viçosa and Federal Rural do Rio de Janeiro.

BIOLOGY:

José Xavier (Institute of Marine Research, University of Coimbra and guest scientist of the British Antarctic Survey). Principal Investigator. Activities from January until December 2010 consisted of:

- a) Fieldwork and collection of samples in the Antarctic (and adjacent waters) were conducted by colleagues scientists from the United Kingdom (South Georgia, South Sandwich and South Orkneys) and New Zealand (Antipodes, Campbell and Adams) on albatrosses and penguins. Laboratory work related to Antarctic research was carried out in UK, France and Portugal. The project POLAR was finalised successfully, with a rate of EXCELLENT by evaluators from the Foundation for Science and Technology (Ministry of Science, Portugal). A new project, CEPH has started, investigating the role of cephalopods in the diet of top predators at South Georgia, under the Long Term Monitoring and Survey (LTMS) program of the British Antarctic Survey. The most important outputs in Antarctic research were the six contributions (book chapters/sections) to the polar books "International Polar Year Research" (ICSU/WMO 2011) and Polar Science and Global Climate: An International Resource for Education & Outreach (Kaiser et al. 2010).
- b) Within SCAR, José Xavier was appointed representative of the delegate of Portugal for the XXXI SCAR Conference (Buenos Aires 2010), and represented Portugal and the Association of Polar Early Career Scientists (APECS) at the Standing Scientific Group of Life Sciences (SSG-LS) meetings, as well as representing Portugal at the SCAR Capacity Building, Education and Training (SCAR-CBET) Action group. José was also elected, during this meeting, member of the SCAR Finance Committee. José also became the member of the Expert group for Birds and Marine Mammals and editor of the EBA (Evolution and Biodiversity of the Antarctic) program. Finally, José was invited as a reviewer of SCAR Fellowships for Life Sciences.

. EDUCATION & OUTREACH: José Xavier organized numerous science communication, education and outreach activities including the leading organizer of the APECS panel at XXXI SCAR Conference (guest panelists: Chuck Kennicutt, Jerónimo Lopez-Martínez, Viviana Alder and Francisco Fernandez), a session at the ESOF (European Science Open Forum) 2010 (guest speakers: Dave Carlson, Paul Egerton, Jenny Baeseman and Gerhard Hans Wolf), a 1 day APECS workshop in Portugal, and co-convenor of a session at OSLO IPY conference on Global learning. International skype or telephone calls, to schools in Zambia, Portugal, Canada, Malaysia, Brazil and UK.

* Please include any scientific activities you believe might be considered bioprospecting (<http://www.scar.org/treaty/atcmxxxiii/> see WP2)