MEMBER COUNTRY: Australia
National Report to SCAR for year: 2010-11

Activity	<b>Contact Name</b>	Address	Telephone	Fax	Email	web site
National SCAR Committee						
SCAR Delegates						
1) Delegate	Dana Bergstrom	Australian Antarctic Division	61-3-62323442	3 6283 2442	dana.bergstrom@aad.gov.au	http://www.aad.gov.au
2) Alternate Delegate	John Gunn	Australian Antarctic Division	61-3-62323205	61-3-62323583	john.gunn@aad.gov.au	http://www.aad.gov.au
Standing Scientific Groups						
Life Sciences						
1)	Graham Hosie		61-3-62323364		graham.hoise@aad.gov.au	http://www.aad.gov.au
2)	Dana Bergstrom		61-3-62323442		dana.bergstrom@aad.gov.au	http://www.aad.gov.au
3)	Jeff Ayton		61-3-62323300		jeff.ayton@aad.gov.au	http://www.aad.gov.au
4)	Mark Hindell	University of Tasmania	61 3 6226 2645		Mark.Hindell@utas.edu	http://www.imas.utas.edu.au/
Geosciences						
1)	Phil O'Brien	Macquarie University			phil.obrien.ant@gmail.com	
2)	Henk Brolsma	Australian Antarctic Division	61-3-62323528		henk.brolsma@aad.gov.au	http://www.aad.gov.au
3)	Garry Johnston	Geosciences Australia	61-2-62499111		Gary.Johnston@ga.gov.au	
4)						
Physical Sciences						
1)	Tas van Ommen	Australian Antarctic Division	61-3-6226-2981		tas.vanommen@aad.gov.au	http://www.aad.gov.au
2)	Brian Fraser	University of Newcastle			Brian.Fraser@newcastle.edu.au	
3)						
4)						

Activity	Contact Name	Address	Telephone	Fax	Email	web site
Scientific Research Program						
ACE 1) 2) 3) 4)						
AGCS 1) 2) 3) 4)	Siobhan O'Farrell Tas van Ommen	CSIRO, Australia Australian Antarctic Division	61-3-6226-2981		Siobhan.O'Farrell@csiro.au	
EBA 1) 2) 3) 4)	Michael Stoddart Dana Bergstrom	University of Tasmania Australian Antarctic Division	61-3-62323442		michael.stoddart@utas.edu.au dana.bergstrom@aad.gov.au	http://www.imas.utas.edu.au/ http://www.aad.gov.au
1)   2)   3)   4)						
SALE 1) 2) 3) 4)						
AAA (2010-) 1) 2) 3) 4)						

Contact Name	Address	Telephone	Fax	Email	web site
Phil O'Brien Phil O'Brien Jodie Smith Michael Stoddart	Macquarie University Macquarie University Geosciences Australia University of Tasmania	61 -2-62499487		Jodie.Smith@ga.gov.au	
Victoria Wadley	Australian Antarctic Division	61-3-62323364		graham hoise@aad gov au	http://www.aad.gov.au
Cranam riosic	Australian Antalogic Division	01-3-02323304		granam.noisc@aau.gov.au	mp.//www.aad.gov.ad
Steve Pendlebury	Australian Bureau of Meterology  Australian Bureau of Meterology			s.pendlebury@bom.gov.au n.adams@bom.gov.au	
Michael Burton	University of New South Wales	61-2-9385-5618			http://www.phys.unsw.edu.au/~mgb/ mgb.html
Jeff Ayton	Australian Antarctic Division	61-3-62323300		jeff.ayton@aad.gov.au	http://www.aad.gov.au
Mark Hindell	University of Tasmania	61 3 6226 2645			http://www.imas.utas.edu.au/ http://www.envsci.mg.edu.au/staff/iw/
lan Goodwin Tony Worby	Macquarie University Australian Antarctic Division	612 9850 8354		ian.goodwin@mq.edu.au	index.html http://www.aad.gov.au
					http://www.aad.gov.au http://www.csiro.au/Organisation- Structure/Divisions/Marine Atmospheric-
	· '				Research/SteveRintoul.aspx
Garry Johnston	Geosciences Australia	61-2-62499111		Gary.Johnston@ga.gov.au	
Kim Finney	Australian Antarctic Division	61-3-62323459		kim.finney@aad.gov.au	http://www.aad.gov.au
Henk Brolsma	Australian Antarctic Division	61-3-62323528		henk.brolsma@aad.gov.au	http://www.aad.gov.au
Kim Finney	Australian Antarctic Division	61-3-62323459		kim.finney@aad.gov.au	http://data.aad.gov.au/
			_		
Kim Finney	Australian Antarctic Division	61-3-62323459		kim.finney@aad.gov.au	http://data.aad.gov.au/
Henk Brolsma Henk Brolsma	Australian Antarctic Division Australian Antarctic Division	61-3-62323528 61-3-62323528			http://www.aad.gov.au http://www.aad.gov.au
	Phil O'Brien Phil O'Brien Phil O'Brien Jodie Smith Michael Stoddart Victoria Wadley Graham Hosie  Steve Pendlebury  Michael Burton Jeff Ayton Mark Hindell lan Goodwin Tony Worby John Gunn  S. Rintoul Garry Johnston  Kim Finney  Henk Brolsma  Kim Finney Henk Brolsma	Phil O'Brien Phil O'Brien Jodie Smith Michael Stoddart Victoria Wadley Graham Hosie  Steve Pendlebury  Michael Burton Jeff Ayton Mark Hindell Ian Goodwin Tony Worby John Gunn  S. Rintoul Garry Johnston  S. Rintoul Garry Johnston  Kim Finney  Kim Finney  Macquarie University Geosciences Australia University of Tasmania Australian Bureau of Meterology Australian Bureau of Meterology Australian Bureau of Meterology Australian Antarctic Division University of New South Wales Australian Antarctic Division University of Tasmania Macquarie University Australian Antarctic Division Australian Antarctic Division  Australian Antarctic Division  Australian Antarctic Division  Australian Antarctic Division  Australian Antarctic Division  Australian Antarctic Division  Australian Antarctic Division  Australian Antarctic Division  Australian Antarctic Division  Australian Antarctic Division  Australian Antarctic Division  Australian Antarctic Division  Australian Antarctic Division  Australian Antarctic Division  Australian Antarctic Division  Australian Antarctic Division	Phil O'Brien Phil O'Brien Jodie Smith Michael Stoddart Victoria Wadley Geosciences Australia University of Tasmania Australian Antarctic Division Graham Hosie Australian Bureau of Meterology Australian Bureau of Meterology Australian Bureau of Meterology Michael Burton Jeff Ayton Mark Hindell University of Tasmania Oliversity of Tasmania Hindell University of Tasmania Oliversity Oliversity of Tasmania Oliversity Oli	Phil O'Brien Phil O'Brien Jodie Smith Macquarie University Geosciences Australia University of Tasmania Australian Antarctic Division  Steve Pendlebury Australian Bureau of Meterology Australian Bureau of Meterology Australian Antarctic Division  Michael Burton Jeff Ayton Mark Hindell University of Tasmania Oliviersity of New South Wales Australian Antarctic Division Mark Hindell University of Tasmania Oliviersity Australian Antarctic Division Oliviersity Australian Antarctic Division Oliviersity Australian Antarctic Division Oliviersity Ol	Phil O'Brien Phil O'Brien Macquarie University Macquarie University Macquarie University Gosciences Australia Australian Antarctic Division

A BRIEF SUMMARY OF SCIENTIFIC HIGHLIGHTS*:
The Australian Antarctic science program undertook a total of 107 science projects from 30 institutions involving collaboration with a further 244 institutions from 27 countries. The program supported 112 higher degree students, including 85 PhD students. During the 2010 calendar year 257 publications were produced within program, with a 130 published in peer-reviewed international literature.
Highlights include: A world first, the sex life of Antarctic Krill in the wild was caught on camera by Australian Antarctic Division scientists, 507 metres off East Antarctica.
A 78km piece of the Mertz Glacier tongue broke off in February 2010 exposing a section of the Southern Ocean previously covered in hundreds of metres of ice. A major research expedition of nearly 40 Australian and international scientists set off on the Aurora Australia in January 2011 to continue marine measurements over latitudinal transect and within in the region. Because this transect has been revisited several times over the past two decades, the measurements form one of the most complete records of change in the Southern Ocean. The variations in temperature, salinity, oxygen and carbon dioxide concentration will help track how rapidly the climate is changing. The break-off of the glacier tongue is predicted to influence bottom water formation.
The loss of the glacier tongue also allowed researchers to reach parts of the continental shelf that had previously been inaccessible. As they undertook oceanographic measurements, the team used a camera system to observe the benthic (sea floor) communities at 75 sites over the Antarctic continental shelf and slope is one of the 'biological hotspots' of the Antarctic and Southern Ocean ecosystem.
* Please include any scientific activities you believe might be considered bioprospecting (http://www.scar.org/treaty/atcmxxxiii/ see WP2)