

**MEMBER COUNTRY:** South Africa  
**National Report to SCAR for year:** 2008-09

Activity	Contact Name	Address	Telephone	Fax	Email	web site
<b>National SCAR Committee</b>						
<b>SCAR Delegates</b>						
1) Delegate	Prof. Steven Chown	Centre for Invasion Biology, Stellenbosch University, Private Bag X1, Matieland 7602, South Africa Hermanus Magnetic Observatory, P.O. Box 32, Hermauns 7200, South Africa	27218082385	27218082995	<a href="mailto:sichown@sun.ac.za">sichown@sun.ac.za</a>	
2) Alternate Delegate	Dr. Sandile Malinga		27283122039		<a href="mailto:smalinga@hmo.ac.za">smalinga@hmo.ac.za</a>	
<b>Standing Scientific Groups</b>						
<b>Life Sciences</b>						
1)	Prof. Steven Chown	Centre for Invasion Biology, Stellenbosch University, Private Bag X1, Matieland 7602, South Africa Dept. Botany & Zoology, Stellenbosch University, Private Bag X1, Matieland 7602, South Africa	27218084862		<a href="mailto:bjvv@sun.ac.za">bjvv@sun.ac.za</a>	
2)	Prof. Bettine Jansen van Vuuren					
3)						
4)						
<b>Geosciences</b>						
1)	Dr. Paul Macey	Council for GeoScience, Western Cape, PO Box 572, Bellville 7535, South Africa Department of Geography, Rhodes University, PO Box 94, Grahamstown 6140, South Africa	27219484754	27219488788	<a href="mailto:pmacey@geoscience.org.za">pmacey@geoscience.org.za</a>	
2)	Prof. Ian Meiklejohn		2746 603 8319	3786 688 1800	<a href="mailto:ki.meiklejohn@gmail.com">ki.meiklejohn@gmail.com</a>	
3)						
4)						
<b>Physical Sciences</b>						
1)	Dr. Sandile Malinga	Hermanus Magnetic Observatory, P.O. Box 32, Hermauns 7200, South Africa Department of Ocenaography, University of Cape Town, Rondebosch 7700	27216503280	27216503979	<a href="mailto:Isabelle.Ansorge@uct.ac.za">Isabelle.Ansorge@uct.ac.za</a>	
2)	Dr. Isabelle Ansorge					
3)						
4)						

Activity	Contact Name	Address	Telephone	Fax	Email	web site
<b>Scientific Research Program</b>						
<b>ACE</b>						
Dynamics of the STC in the South Atlantic	Isabelle Ansorge	Department of Oceanography, University of Cape Town	012 650 3280	012 650 3979	<a href="mailto:ansorge@ocean.uct.ac.za">ansorge@ocean.uct.ac.za</a>	<a href="http://www.uct.ac.za">www.uct.ac.za</a>
Antarctic impacts on South African climate	Chris Reason	Department of Oceanography, University of Cape Town	021 650 4117	021 650 3791	<a href="mailto:cjr@egs.uct.ac.za">cjr@egs.uct.ac.za</a>	<a href="http://www.uct.ac.za">www.uct.ac.za</a>
Subtropical Convergence Study	Johann Lutjeharms	Oceanography, University of Cape Town	021 650 3279	021 650 3979	<a href="mailto:Johann.Lutjeharms@uct.ac.za">Johann.Lutjeharms@uct.ac.za</a>	<a href="http://www.uct.ac.za">www.uct.ac.za</a>
Evolution of the Southern Ocean gateway currents	Mike Watkeys	Geological Sciences, University of KwaZulu Natal	031 260 2519	031 260 2280	<a href="mailto:watkeys@ukzn.ac.za">watkeys@ukzn.ac.za</a>	<a href="http://www.ukzn.ac.za">www.ukzn.ac.za</a>
<b>AGCS</b>						
Geomorphology and climate change	Ian Meiklejohn	Department of Geography, Rhodes University	046 603 8319	086 688 1800	<a href="mailto:ki.meiklejohn@gmail.com">ki.meiklejohn@gmail.com</a>	<a href="http://www.ru.ac.za">www.ru.ac.za</a>
Biogeochemistry in the Southern Ocean	A Roychoudhury	Geological Sciences, University of Cape Town	021 650 2902	021 650 3783	<a href="mailto:aroy@geology.uct.ac.za">aroy@geology.uct.ac.za</a>	<a href="http://www.uct.ac.za">www.uct.ac.za</a>
SA - Southern Ocean Biogeochemistry	Pedro Monteiro	Council for Scientific and Industrial Research (CSIR)	021 888 2437	021 888 2693	<a href="mailto:pmonteir@csir.co.za">pmonteir@csir.co.za</a>	<a href="http://www.csir.co.za">www.csir.co.za</a>
Neotectonic stress analysis on Marion Island	AJ Bumby	Department of Geology, University of Pretoria	012 420 4416	012 362 5219	<a href="mailto:abumby@postino.up.ac.za">abumby@postino.up.ac.za</a>	<a href="http://www.up.ac.za">www.up.ac.za</a>
<b>EBA</b>						
The evolution of variability	Bettine Jansen van Vuuren	Botany and Zoology, University of Stellenbosch	021 808 4862	021 808 2405	<a href="mailto:bjvv@sun.ac.za">bjvv@sun.ac.za</a>	<a href="http://www.sun.ac.za">www.sun.ac.za</a>
Elephant Seals as Oceanographic Platforms	Marthan Bester	Zoology and Entomology, University of Pretoria	012 420 2067	012 420 2534	<a href="mailto:mnbester@zoology.up.ac.za">mnbester@zoology.up.ac.za</a>	<a href="http://www.up.ac.za">www.up.ac.za</a>
Seabirds at Marion Island	Robert Crawford	Marine and Coastal Management, Dept Environmental Affairs	021 402 3140	021 402 3330	<a href="mailto:crawford@deat.gov.za">crawford@deat.gov.za</a>	<a href="http://www.deat.gov.za">www.deat.gov.za</a>
Individual variation in albatross reproduction	Peter Ryan	Percy Fitzpatrick Institute, University of Cape Town	021 650 2966	021 650 3295	<a href="mailto:peter.ryan@uct.ac.za">peter.ryan@uct.ac.za</a>	<a href="http://www.uct.ac.za">www.uct.ac.za</a>
Drivers of sub-antarctic terrestrial ecosystems	Steven Chown	Centre for Invasion Biology, University of Stellenbosch	021 808 2385	021 808 2995	<a href="mailto:slchown@sun.ac.za">slchown@sun.ac.za</a>	<a href="http://www.sun.ac.za">www.sun.ac.za</a>
Marine Mammal Exploration of the Oceans	Marthan Bester	Zoology and Entomology, University of Pretoria	012 420 2067	012 420 2534	<a href="mailto:mnbester@zoology.up.ac.za">mnbester@zoology.up.ac.za</a>	<a href="http://www.up.ac.za">www.up.ac.za</a>
Sub-antarctic fish systematics	Ofer Gon	South African Institute for Aquatic Biodiversity	046 603 5828	046 622 2403	<a href="mailto:o.gon@ru.ac.za">o.gon@ru.ac.za</a>	<a href="http://www.saiab.ru.ac.za">www.saiab.ru.ac.za</a>
Spatial variability in Southern Ocean ecosystems	Christopher McQuaid	Zoology and Entomology, Rhodes University	046 603 8535	046 622 4377	<a href="mailto:c.mcquaid@ru.ac.za">c.mcquaid@ru.ac.za</a>	<a href="http://www.ru.ac.za">www.ru.ac.za</a>
Albatrosses as ecosystem engineers	Steven Chown	Centre for Invasion Biology, University of Stellenbosch	021 808 2385	021 808 2995	<a href="mailto:slchown@sun.ac.za">slchown@sun.ac.za</a>	<a href="http://www.sun.ac.za">www.sun.ac.za</a>
Microbial communities in Antarctic soils	Don Cowan	Biotechnology, University of the Western Cape	021 959 2083	021 959 3505	<a href="mailto:dcowan@uwc.ac.za">dcowan@uwc.ac.za</a>	<a href="http://www.uwc.ac.za">www.uwc.ac.za</a>
Extremophile phage biology	Don Cowan	Biotechnology, University of the Western Cape	021 959 2083	021 959 3505	<a href="mailto:dcowan@uwc.ac.za">dcowan@uwc.ac.za</a>	<a href="http://www.uwc.ac.za">www.uwc.ac.za</a>
Reservoir host potential of invasive <i>Mus Musculus</i>	Amanda Bastos	Zoology and Entomology, University of Pretoria	012 420 4612	012 362 5242	<a href="mailto:adbastos@zoology.up.ac.za">adbastos@zoology.up.ac.za</a>	<a href="http://www.up.ac.za">www.up.ac.za</a>
Population ecology of pinnipeds	Marthan Bester	Zoology and Entomology, University of Pretoria	012 420 2067	012 420 2534	<a href="mailto:mnbester@zoology.up.ac.za">mnbester@zoology.up.ac.za</a>	<a href="http://www.up.ac.za">www.up.ac.za</a>
Killer whales at Marion Island (seed funding)	Stephanie Ploen	Port Elizabeth Museum: Bayworld	041 584 0650	041 584 0661	<a href="mailto:stephanie@bayworld.co.za">stephanie@bayworld.co.za</a>	<a href="http://www.bayworld.co.za">www.bayworld.co.za</a>
Short term change in <i>Nesospiza</i> buntings	Peter Ryan	Percy Fitzpatrick Institute, University of Cape Town	021 650 2966	021 650 3295	<a href="mailto:peter.ryan@uct.ac.za">peter.ryan@uct.ac.za</a>	<a href="http://www.uct.ac.za">www.uct.ac.za</a>
A vegetation biomass and nutrient budget of Marion	Valdon Smith	Department of Botany, University of Stellenbosch	021 808 3111	021 808 3607	<a href="mailto:vs2@sun.ac.za">vs2@sun.ac.za</a>	<a href="http://www.sun.ac.za">www.sun.ac.za</a>

<b>ICESTAR</b>						
Geospace Physics at Marion (GESPAM)	Arthur Hughes	School of Physics, University of KwaZulu Natal	031 260 3158	031 261 6550	<a href="mailto:hughes@ukzn.ac.za">hughes@ukzn.ac.za</a>	<a href="http://www.ukzn.ac.za">www.ukzn.ac.za</a>
Geospace Physics on Antarctica (GESPA)	Arther Hughes	School of Physics, University of KwaZulu Natal	031 260 3158	031 261 6550	<a href="mailto:hughes@ukzn.ac.za">hughes@ukzn.ac.za</a>	<a href="http://www.ukzn.ac.za">www.ukzn.ac.za</a>
Cosmic Ray Research	Harm Moraal	School of Physics, North-West University	018 299 2402	018 299 2421	<a href="mailto:fskhn@puk.ac.za">fskhn@puk.ac.za</a>	<a href="http://www.nwu.ac.za">www.nwu.ac.za</a>
Southern Hemisphere Auroral Radar Experiment (SHARE)	Lindsay Magnus(in lieu of Peter Sutcliffe)	Hermanus Magnetic Observatory	028 312 1196	028 312 2039	<a href="mailto:lmagnus@hmo.ac.za">lmagnus@hmo.ac.za</a>	<a href="http://www.hmo.ac.za">www.hmo.ac.za</a>
Polar Space Weather studies during IPY/IHY	Pierre Cilliers	Hermanus Magnetic Observatory	028 312 1196	028 312 2039	<a href="mailto:picilliers@hmo.ac.za">picilliers@hmo.ac.za</a>	<a href="http://www.hmo.ac.za">www.hmo.ac.za</a>
VLF, ELF, ULF Signs of Ionospheric Disturbances (incorporating the Hughes GESPA and GESPAM)	Andrew Collier	School of Physics, University of KwaZulu Natal	021 260 1157	031 261 6550	<a href="mailto:abcollier@hmo.ac.za">abcollier@hmo.ac.za</a>	<a href="http://www.hmo.ac.za">www.hmo.ac.za</a>
<b>Other</b>						
Wind generator and storage system for polar region	MJ Kamper	Electrical Engineering, University of Stellenbosch	021 808 4323	021 808 3951	<a href="mailto:kamper@ing.sun.ac.za">kamper@ing.sun.ac.za</a>	<a href="http://www.sun.ac.za">www.sun.ac.za</a>

Activity	Contact Name	Address	Telephone	Fax	Email	web site
<b>ACTION GROUPS</b>						
1) 2) 3) 4) insert others as needed						
<b>EXPERT GROUPS</b>						
1) 2) 3) 4) insert others as needed						
<b>JCADM</b>						
1) 2)						
<b>NATIONAL ANTARCTIC DATA CENTRE</b> Not established						
<b>SCAR DATABASE</b> n/a						
<b>A BRIEF SUMMARY OF SCIENTIFIC HIGHLIGHTS:</b>						