

MEMBER COUNTRY: Germany

National Report to SCAR for year: 2011-12

Activity	Contact Name	Address	Telephone	Fax	Email	web site
<b>National SCAR Committee</b>						
National body being the member of SCAR	Scheibner-Münker, Dr. Birgit	Deutsche Forschungsgemeinschaft, Postfach 205004, 53170 Bonn Bad-Godesberg, Germany	+49(228)885-2328	+49(228)885-2777	Birgit.Scheibner-Münker@dfg.de	<a href="http://www.dfg.de">http://www.dfg.de</a>
Chairman of the National SCAR committee	Heinemann, Prof. Dr. Günther	University of Trier, Dpt. Environmental Meteorology, Behringstr. 21, 54286 Trier, Germany	+49(651) 201-4623	+49(651) 201-3817	heinemann@uni-trier.de	<a href="http://www.uni-trier.de/index.php?id=10717">http://www.uni-trier.de/index.php?id=10717</a>
Secretary of the National SCAR committee	Braun, Prof. Dr. Matthias	Friedrich-Alexander Universität Erlangen-Nürnberg, Institut für Geographie, Kochstr. 4/4, 91054 Erlangen, Germany	+49(9131) 85-22015	+49(9131) 85-22013	matthias.braun@geographie.uni-erlangen.de	<a href="http://www.geographie.uni-erlangen.de/pers/mbraun/">http://www.geographie.uni-erlangen.de/pers/mbraun/</a>
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<b>Life Sciences</b>						
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2)	Bornemann, Dr. Horst	Alfred Wegener Institute, Columbusstrasse, 27568 Bremerhaven, Germany	+49(471)4831-1862	+49(471)4831-1918	Horst.Bornemann@awi.de	<a href="http://www.awi.de/People/show?hbornema">http://www.awi.de/People/show?hbornema</a>
3)	Brandt, Prof. Dr. Angelika	Zoological Museum, University of Hamburg, Martin-Luther-King-Pl.3, 20146 Hamburg, Germany	+49(40)42838-2278	+49(40)42838-393	abrandt@zoologie.uni-hamburg.de	<a href="http://www.uni-hamburg.de/biologie/">http://www.uni-hamburg.de/biologie/</a>
4)	Peter, Hans-Ulrich	Friedrich-Schiller-Universität, Polar- & Ornithoökologie, Dornburger Straße 159, 07743 Jena, Germany	+49(3641)949-415	+49(3641)949-402	Hans-Ulrich.Peter@uni-jena.de	<a href="http://www.uni-jena.de">http://www.uni-jena.de</a>

<b>Geosciences</b>						
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3)	Scheinert, Dr.-Ing. Mirko	Technische Universität, Dresden, Institut für Planetare Geodäsie, 01062 Dresden, Germany	+49(351)463-33683	+49(351)463-37063	scheinert@ipg.geo.tudresden.de	<a href="http://www.tu-dresden.de">http://www.tu-dresden.de</a>
4)	Melles, Prof. Dr. Martin	Universität zu Köln, Institut für Geologie und Mineralogie, Zulpicherstraße 49a, 50674 Köln, Germany	+49(221)470-5619	+49(221)470-5619	mmelles@uni-koeln.de	<a href="http://www.geologie.uni-koeln.de/melles.html">http://www.geologie.uni-koeln.de/melles.html</a>
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2)	Braun, Prof. Dr. Matthias	Friedrich-Alexander Universität Erlangen-Nürnberg, Institut für Geographie, Kochstr. 4/4, 91054 Erlangen, Germany	+49(9131) 85-22015	+49(9131) 85-22013	matthias.braun@geographie.uni-erlangen.de	<a href="http://www.geographie.uni-erlangen.de/pers/mbraun/">http://www.geographie.uni-erlangen.de/pers/mbraun/</a>
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<b>Scientific Research Program</b>						
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2) Radio echo sounding	Damaske, Dr. Dettlef	Bundesanstalt für Geowissenschaften und Rohstoffe (BGR), Stilleweg 2, 30655 Hannover, Germany	+49(511)643-2692	+49(511)643-3663	d.damaske@bgr.de	<a href="http://bgr.de">http://bgr.de</a>
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<b>EBA</b>						
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2) WP4	Gutt, PD Dr. Julian	Alfred Wegener Institute, Columbusstrasse, 27568 Bremerhaven, Germany	+49(471)4831-1333	+49(471)4831-1333	Julian.Gutt@awi.de	<a href="http://www.awi.de/People/show?jgutt">http://www.awi.de/People/show?jgutt</a>
3) WP1	Hilbig, Dr. Brigitte	Ruhr-Universität Bochum, Universitätsstr. 150/ND05/753, 44780 Bochum, Germany			bhilbig@senckenberg.de	
<b>ICESTAR</b>						
1)						
<b>SALE</b>						
1)						
<b>AAA (2010-)</b>						
1)						

Activity	Contact Name	Address	Telephone	Fax	Email	web site
<b>ACTION GROUPS</b>						
1) Remote Sensing Action Group	Peter, Dr. Hans-Ulrich	Friedrich-Schiller-Universität Jena, AG Polar- & OrnithoÖkologie, Dornburger Straße 159, 07743 Jena, Germany	+49(3641)949-415	+49(3641)949-402	Hans-Ulrich.Peter@uni-jena.de	<a href="http://www.uni-jena.de">http://www.uni-jena.de</a>
2) SCAR History Expert Group	Lüdecke, PD Dr. Cornelia	Fernpass Starsse 3, 81373 München, Germany	+49(89)7256-725	+49(89)7256-725	C.Luedecke@lrz.uni-muenchen.de	<a href="http://www.scar.org/about/history/">http://www.scar.org/about/history/</a>
3) Marine Biodiversity Information Network (MarBIN)	Schäfer-Neth, Dr. Christian	Alfred Wegener Institute, Am Handelshafen 12, 27570 Bremerhaven, Germany	+49(471)4831-1554	+49(471)4831-1590	Christian.Schaefer-Neth@awi.de	<a href="http://www.awi.de/People/show?chs">http://www.awi.de/People/show?chs</a>
4) Cross-SSG Action Group on Prediction of Changes in the Physical and Biological Environment of the Antarctic (PCBEA)	Gutt, PD Dr. Julian	Alfred Wegener Institute, Columbusstrasse, 27568 Bremerhaven, Germany	+49(471)4831-1333	+49(471)4831-1333	Julian.Gutt@awi.de	<a href="http://www.awi.de/People/show?jgutt">http://www.awi.de/People/show?jgutt</a>
5) Acoustics in the Marine Environment	Boebel, Dr. Olaf	Alfred Wegener Institute, Bussestr. 24, 27570 Bremerhaven, Germany	+49(471)4831-1879	+49(471)4831-1797	Olaf.Boebel@awi.de	<a href="http://www.awi.de/People/show?boebel">http://www.awi.de/People/show?boebel</a>
6) Joint IASC/SCAR Bipolar Action Group	Damaske, Dr. Detlef	Bundesanstalt für Geowissenschaften und Rohstoffe (BGR), Stilleweg 2, 30655 Hannover, Germany	+49(511)643-2692	+49(511)643-3663	d.damaske@bgr.de	<a href="http://bgr.de">http://bgr.de</a>
<b>EXPERT GROUPS</b>						
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2) Continuous Plankton Recorder (CPR)	Bathmann, Prof. Dr. Ulrich	Alfred Wegener Institute, Columbusstrasse, 27568 Bremerhaven, Germany	+49(471)4831-1275	+49(471)4831-1149	Ulrich.Bathmann@awi.de	<a href="http://www.awi.de/People/show.php">http://www.awi.de/People/show.php</a>
3) Geodetic Infrastructure for Antarctica (GIANT)	Dietrich, Prof. Dr.-Ing. R.	Tu Dresden, Institut für Planetare Geodäsie, 01062, Dresden, Germany	+49(351)463-33683		reinhard.dietrich@tu-dresden.de	<a href="http://tpg.geo.tu-dresden.de/ipp/">http://tpg.geo.tu-dresden.de/ipp/</a>
4) International Bathymetric Chart of the Southern Ocean (IBCSO)	Schenke, Dr.-Ing. H.-W.	Alfred Wegener Institute, Columbusstrasse, 27568 Bremerhaven, Germany	+49(471)4831-1977	+49(471)4831-1977	Hans-Werner.Schenke@awi.de	<a href="http://www.awi.de/People/show.php">http://www.awi.de/People/show.php</a>

<b>5) Antarctic Digital Magnetic Anomaly Project (ADMAP)</b>	Damaske, Dr. Detlef	Bundesanstalt für Geowissenschaften und Rohstoffe (BGR), Stilleweg 2, 30655 Hannover, Germany	+49(511)643-2692	+49(511)643-3663	d.damaske@bgr.de	<a href="http://bgr.de">http://bgr.de</a>
<b>6) Ice Sheet Mass Balance and Sea Level (ISMASS)</b>	Oerter, Dr. Hans	Alfred Wegener Institute, Columbusstrasse, 27568 Bremerhaven , Germany	+49(471)4831-1347	+49(471)4831-1271	Hans.Oerter@awi.de	<a href="http://www.awi.de/People/show.php">http://www.awi.de/People/show.php</a>
<b>7) Operational Meteorology (OpMet)</b>	König-Langlo, Dr. Gert	Alfred Wegener Institute, Bussestr. 24, 27570 Bremerhaven , Germany	+49(471)4831-1806	+49(471)4831-1797	Gert.Koenig-Langlo@awi.de	<a href="http://www.awi.de/People/show.php">http://www.awi.de/People/show.php</a>
<b>8) Joint SCAR/SCOR Oceanography (OCEAN)</b>	Fahrbach, Dr. Eberhard	Alfred Wegener Institute, Bussestr. 24, 27570 Bremerhaven, Germany	+49(471)4831-1820	+49(471)4831-1797	Eberhard.Fahrbach@awi.de	<a href="http://www.awi.de/People/show.php?efahrbac">http://www.awi.de/People/show.php?efahrbac</a>
<b>9) Antarctic Climate Change and the Environment (ACCE)</b>	Gutt, PD Dr. Julian	Alfred Wegener Institute, Columbusstrasse, 27568 Bremerhaven , Germany	+49(471)4831-1333	+49(471)4831-1333	Julian.Gutt@awi.de	<a href="http://www.awi.de/People/show.php?jgutt">http://www.awi.de/People/show.php?jgutt</a>
<b>SCADM</b>						
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<b>NATIONAL ANTARCTIC DATA CENTRE</b>						
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<b>SCAR DATABASE</b>						
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#### **A BRIEF SUMMARY OF SCIENTIFIC HIGHLIGHTS\*:**

**ANDEEP-SYSTCO II, R/V Polarstern, 7 Jan - 11 Mar 2012, investigations:**

Diversity, distribution and abundance of deep-sea organisms from meiofaunal foraminifera to megafaunal organisms in relation to the surface water productivity, sediment composition and biogeochemistry of the sediment-water interface as well as the upper sediment layer; Ecology of deep-sea fauna with regard to coupling processes utilizing different approaches, like classical gut content analyses as well as biochemical investigations (fatty acid profiles and stable isotope C and N ratios); DNA preservation in the water column and the deep-sea sediments and its possible use to study the eukaryotes diversity in the present and the past.

At the beginning of the Year of Science between South Africa and Germany, seal biologists of the Alfred Wegener Institute for Polar and Marine Research (AWI) were invited by their colleagues from the Mammal Research Institute (MRI) at the University of Pretoria (UP) to participate in the 159th Expedition of the SA Agulhas to Marion Island. The team deployed satellite transmitters in order to contribute collaboratively to long term observations on the foraging ecology of southern elephant seals.

IceCube: Since May 2011, the neutrino observatory IceCube at the South Pole, is taking data using all its optical modules. Until now more than 100000 neutrino events from interactions in the Earth atmosphere have been collected. These data can be used to do particle physics and search for neutrino oscillations as well as dark matter. The existence of oscillation patterns could already be proven. The key task of IceCube is however to look for high energetic (1TeV-1PeV) extraterrestrial neutrinos arriving from cosmic sources. A safe indication of the existence of the expected neutrino signal could not be given after only one year of full operation. Corresponding neutrino flux limits allow however already today to disfavor certain models about the possible origin of cosmic rays.

SCAR History Expert Group, Activities: 1) SCAR History Workshop at Stellenbosch University (South Africa) from July 26 to 29, 2011, 2) Introduction of "Lewander Lecture" on the history of Antarctic research during the SCAR OSC in Portland 2012, 3) Publication of proceedings of the workshop at the Byrd Polar Research Center in Columbus (Ohio USA) in 2007, see <http://hdl.handle.net/1811/53605>