

**MEMBER COUNTRY: Netherlands**  
**National Report to SCAR for year: 2012-2013**

Activity	Contact Name	Address	Telephone	Email	website
<b>National SCAR Committee</b>					
<b>Netherlands Polar Committee</b>	ms. L.H.W. Noor MSc.	Netherlands Organisation for Scientific Research, Dep. Earth and Life Sciences, PO Box 93510, 2509 AM The Hague, the Netherlands	+31-70-3440820	<a href="mailto:l.noor@nwo.nl">l.noor@nwo.nl</a>	<a href="http://www.nwo.nl">www.nwo.nl</a>
<b>SCAR Delegates</b>					
<b>1) Delegate</b>	Prof.dr. C.P.D. Brussaard	Royal Netherlands Institute for Sea Research (NIOZ), P.O.Box 59, 1790 AB Den Burg, The Netherlands	00 31 222-36 93 00	<a href="mailto:corina.brussaard@nioz.nl">corina.brussaard@nioz.nl</a>	<a href="http://www.nioz.nl">www.nioz.nl</a>
<b>2) Alternate Delegate</b>	mr. T.F. de Bruin, MSc	Royal Netherlands Institute for Sea Research (NIOZ), P.O.Box 59, 1790 AB Den Burg, The Netherlands	00 31 222 369 479	<a href="mailto:Taco.deBruin@nioz.nl">Taco.deBruin@nioz.nl</a>	<a href="http://www.nioz.nl">www.nioz.nl</a>
<b>Standing Scientific Groups</b>					
<b>Life Sciences</b>	Dr. J. Stefels	University of Groningen, Faculty of Mathematics and Natural Sciences, Nijenborgh 7 9747 AG Groningen The Netherlands	00 31 50 363 6137	j.stefels@rug.nl	<a href="http://www.rug.nl">www.rug.nl</a>
<b>1)</b>					
<b>2)</b>					
<b>3)</b>					
<b>4)</b>					
<b>Geosciences</b>					
<b>1)</b>					
<b>2)</b>					
<b>3)</b>					
<b>4)</b>					
<b>Physical Sciences</b>					
<b>1)</b>	prof.dr.ir. H.J.W. de Baar	Royal Netherlands Institute for Sea Research (NIOZ), P.O.Box 59, 1790 AB Den Burg, The Netherlands	+31 222 369 456	<a href="mailto:debaar@nioz.nl">debaar@nioz.nl</a>	<a href="http://www.nioz.nl">www.nioz.nl</a>
<b>2)</b>	Dr. Willem Jan van de Berg	Utrecht University, Institute for Marine and Atmospheric Research (IMAU), P.O.Box 80005, 3508 TA Utrecht, The Netherlands	+31 30 253 3273	<a href="mailto:w.j.vandenberg@uu.nl">w.j.vandenberg@uu.nl</a>	<a href="http://www.uu.nl/ima">www.uu.nl/ima</a> <a href="http://www.uu.nl/ima">u</a>

Activity	Contact Name	Address	Telephone	Email	web site
<b>Scientific Research Program</b>					
<b>ACE</b> 1) 2) 3) 4)					
<b>AGCS</b> 1) 2) 3) 4)					
<b>EBA</b> 1) 2) 3) 4)					
<b>AAA</b> 1) 2) 3) 4)					

Activity	Contact Name	Address	Telephone	Email	web site
<b>ACTION GROUPS</b>					
1) 2) 3) 4) insert others as needed					
<b>EXPERT GROUPS</b>					
1) SCAR-SCOR Oceanography Expert Group	mr. T.F. de Bruin, MSc	Royal Netherlands Institute for Sea Research (NIOZ), P.O.Box 59, 1790 AB Den Burg, The Netherlands	+31 222 369 479	<a href="mailto:Taco.de.Bruin@nioz.nl">Taco.de.Bruin@nioz.nl</a>	<a href="http://www.nioz.nl">www.nioz.nl</a>
2) Joint Expert Group on Human Biology and Medicine	ms. L.H.W. Noor MSc.	Netherlands Organisation for Scientific Research, Dep. Earth and Life Sciences, PO Box 93510, 2509 AM The Hague, the Netherlands	+31-70-3440820	<a href="mailto:l.noor@nwo.nl">l.noor@nwo.nl</a>	<a href="http://www.nwo.nl">www.nwo.nl</a>
<b>SCADM</b>					
1)	mr. T.F. de Bruin, MSc	Royal Netherlands Institute for Sea Research (NIOZ), P.O.Box 59, 1790 AB Den Burg, The Netherlands	+31 222 369 479	<a href="mailto:Taco.de.Bruin@nioz.nl">Taco.de.Bruin@nioz.nl</a>	<a href="http://www.nioz.nl">www.nioz.nl</a>
<b>SCAGI</b>					
1)	mr. T.F. de Bruin, MSc	Royal Netherlands Institute for Sea Research (NIOZ), P.O.Box 59, 1790 AB Den Burg, The Netherlands	+31 222 369 479	<a href="mailto:Taco.de.Bruin@nioz.nl">Taco.de.Bruin@nioz.nl</a>	<a href="http://www.nioz.nl">www.nioz.nl</a>
<b>NATIONAL ANTARCTIC DATA CENTRE</b>					
Netherlands Antarctic Data Inventory (NADI)	mr. T.F. de Bruin, MSc	Royal Netherlands Institute for Sea Research (NIOZ), PO Box 59, 1790 AB Den Burg (Texel), The Netherlands	+31 222 369 479	<a href="mailto:Taco.de.Bruin@nioz.nl">Taco.de.Bruin@nioz.nl</a>	<a href="http://www.nioz.nl">www.nioz.nl</a>
<b>SCAR DATABASE</b>					
insert name of database for which your country has responsibility	none				

## **A BRIEF SUMMARY OF SCIENTIFIC HIGHLIGHTS\*:**

Research projects started in 2012-2013 will continue:

- 1) Structuring of marine pelagic microbial communities by glacial meltwater in Ryder Bay, Antarctica of Professor Burna, University of Groningen;
- 2) Seasonality of iron and other trace metals in relation to the rapidly changing ice/water cycle and plankton dynamics of the West Antarctic Peninsula of Professor De Baar, Royal Netherlands Institute for Sea Research (NIOZ);
- 3) Antarctic phytoplankton in a changing world and its consequences for the lower pelagic food web (Antphirco) from Dr. Brussaard, Royal Netherlands Institute for Sea Research (NIOZ);
- 4) Temporal dynamics of the climate gas dimethyl sulphide (DMS) and related compounds in a changing Antarctic sea-ice environment from Dr. Stefels, University of Groningen; A fifth project starts as well at Rothera during season 2012-2013 but is not specifically bound to the Dirck Gerritsz Laboratory;
- 5) Freshwater fluxes and climate change in the Antarctic Peninsula: a combined observational and modelling approach from Dr Tijm-Reijmer, Utrecht University

One new project will start in season 2013-2014 in the Dirck Gerritsz lab or the Bonner lab.

- 6) Uptake of anthropogenic carbon dioxide, chemical changes and effects on the marine ecosystem in Marguerite Bay, Rothera Research Station, Antarctica: implications for policy of the government of The Netherlands

Other Antarctic research conducted in the Netherlands Polar Programme during 2012-2013:

- 7) Reconstructing the evolution and dynamics of the Antarctic cryosphere from Ocean Drilling; a dinoflagellate perspective of professor Brinkhuis, Royal Netherlands Institute for Sea Research (NIOZ);
- 9) Separating GIA and ice mass change signals in Antarctica using satellite data of Dr Gunter, Delft University of Technology
- 10) Modelling the Antarctic firm layer for improved estimates of remotely-sensed ice mass changes of professor Van den Broeke, Utrecht University;
- 11) iWS: a new generation of automatic weather stations for use on glaciers and ice sheets of professor Van den Broeke, Utrecht University

**For more information about the Netherlands Polar Programme please visit: [www.nwo.nl/npp](http://www.nwo.nl/npp)**

**NO BIOPROSPECTING ACTIVITIES PLANNED**