

MEMBER COUNTRY: The Netherlands
 National Report to SCAR for year: 2010-2011

Activity	Contact Name	Address	Telephone	Fax	Email	web site
National SCAR Committee						
Netherlands Polar Committee	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	+31-70-3819033	lnoor@nwo.nl	www.nwo.nl
SCAR Delegates						
1) Delegate	dr. A.H.L. Huiskes	Netherlands Institute of Ecology (NIOO-KNAW), Department Spatial Ecology, P.O.Box 140, 4400 AC Yerseke, The Netherlands	+31 113 577 456	+31 113 573 616	a.huiskes@nioo.knaw.nl	www.nioo.knaw.nl
2) Alternate Delegate	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	+31 222 319 674	Taco.de.Bruin@nioz.nl	www.nioz.nl
Standing Scientific Groups						
Life Sciences						
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Geosciences						
1)	(none)					
Physical Sciences						
1)	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	+31 222 319 674	debaar@nioz.nl	www.nioz.nl
2)	prof.dr. M.R. van den Broeke	Utrecht University, Institute for Marine and Atmospheric Research (IMAU), P.O.Box 80005, 3508 TA Utrecht, The Netherlands	+31 30 253 3169	+31 30 254 3163	m.r.vandenbroeke@uu.nl	www.uu.nl/imau
Activity						
Scientific Research Program						
ACE						
1)						
EBA						
1)	dr. A.H.L. Huiskes	Netherlands Institute of Ecology (NIOO-KNAW), Department Spatial Ecology, P.O.Box 140, 4400 AC Yerseke, The Netherlands	+31 222 369 456	+31 222 319 674	a.huiskes@nioo.knaw.nl	www.nioo.knaw.nl
ICESTAR						
1)	(none)					
SALE						
1)	(none)					
AAA (2010-)						
1)	(none)					

EXPERT GROUPS						
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	+31 222 319 674	Taco.de.Bruin@nioz.nl	www.nioz.nl
2) EG Birds and Marine Mammals	(none)					
1) SCADM	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	+31 222 319 674	Taco.de.Bruin@nioz.nl	www.nioz.nl
NATIONAL ANTARCTIC DATA CENTRE						
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	+31 222 319 674	Taco.de.Bruin@nioz.nl	www.nioz.nl
SCAR DATABASE						
insert name of database for which your country has responsibility						
(none)						
A BRIEF SUMMARY OF SCIENTIFIC HIGHLIGHTS*:						
Research conducted within the Netherlands Polar Programme during 2010-2011:						
Theme 1: Ice, climate and sea level rise						
	Long-term monitoring of Antarctic climate using Automatic Weather Stations (2005-2012):					
	Reducing the Uncertainties in the Mass Balance of Antarctica (RUMBA)					
	The sea-ice sulphur cycle in a global climate model					
	Continuous on-line water vapor isotope measurements in Antarctica					
	Holocene climate variability at high-southern latitudes: an integrated perspective (HOLOCLIP)					
Theme 2: Changes in the Southern Ocean and Arctic Ocean due to climate change and human activities						
	Southern ocean primary productivity in a high CO2 world					
	Dynamic irradiance governs the taxonomic composition of phytoplankton blooms in the Ross Sea, Antarctica: a combined experimental and modeling approach.					
	Support of seasonal sea-ice ecosystems by essential trace nutrient elements iron and manganese					
Theme 3: Polar terrestrial and coastal zone ecosystems and global change						
	Viral impact on microbes in coastal waters of the Antarctic Peninsula and its ecological implications (VIRANT)					
	Impact of climate induced glacier melt on marine coastal systems in the West Antarctic Peninsula region (IMCOAST)					
Theme 4: The influence of human activities on the Poles and the effect of climate change on society						
	The exploitation of natural resources by the early 20th century whaling industry; its impact on the environment and the geo-political situation in the Polar Regions					
	Adapting governance and regulation of the marine Arctic to climate change					
NO BIOPROSPECTING ACTIVITIES PLANNED						
Within logistics NWO has intensified its collaboration with BAS at the British research station Rothera (Antarctic Peninsula) to create a Dutch Science Facility. The new science facility will house 4 mobile laboratory containers. A docking station will house the laboratory modules and provide them with the necessary services like running water, gas, electricity, sewage etc. A roof will cover these four lab modules providing additional dry storage capacity and protect inlets and outlets into the lab modules from snow drift. The lab modules will be raised off the surface to prevent them becoming buried in snow. The docking station will be built by BAS, the lab modules by the Dutch NIOZ. The foundation for the docking stations is finished, the 4 modules are being prepared. The modules arrive at Rothera in March 2012. The facility will start operating at the end of 2012.						