

MEMBER COUNTRY: **The Netherlands**
National Report to SCAR for year: **2009-2010**

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, P.O.Box 93510, 2509 AM The Hague, the Netherlands	+31-70-3440820	+31-70-3819033	l.noor@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	+31 113 577 300	+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	bruin@nioz.nl	www.nioz.nl
Standing Scientific Groups						
Life Sciences						
1)	dr. A.H.L. Huiskes	Netherlands Institute of Ecology (NIOO-KNAW), Department Spatial Ecology, P.O.Box 140, 4400 AC Yerseke, The Netherlands	+31 113 577 300	+31 113 573 616	a.huiskes@nioo.knaw.nl	www.nioo.knaw.nl
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	+31 222 369 300	+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	+31 222 369 300	+31 222 319 674	a.huiskes@nioo.knaw.nl	www.nioo.knaw.nl
ICESTAR						
1)	(none)					
SALE						
1)	(none)					
Activity						
ACTION GROUPS						
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	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	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	bruin@nioz.nl	www.nioz.nl
A BRIEF SUMMARY OF SCIENTIFIC HIGHLIGHTS:						
Research conducted within the Netherlands Polar Programme during 2009-2010:						
Theme 1: Ice, climate and sea level rise						
	Long-term monitoring of Antarctic climate using Automatic Weather Stations (2005-2012):					
	Interpretation and measurements of isotopes and gas in Antarctica					
	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					
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					
	An Ocean in Motion: consequences of climate change related shifts in temperature and mixing regimes for phytoplankton communities in the Southern Ocean.					
	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					
	Viral impact on microbes in coastal waters of the Antarctic Peninsula and its ecological implications (VIRANT)					
Theme 3: Polar terrestrial and coastal zone ecosystems and global change						
	Effects of global warming on cryptogam- and microbial diversity and ecosystem functioning in Antarctic ecosystems					
	Aliens in Antarctica: Quantifying plant- and animal propagules inadvertently carried into the Antarctic					
Theme 4: The influence of human activities on the Poles and the effect of climate change on society						
	Adventure tourism in Antarctica: an integrated assessment of future trends					
NO BIOPROSPECTING ACTIVITIES PLANNED						