

## SCIENTIFIC COMMITTEE ON ANTARCTIC RESEARCH (SCAR): NATIONAL REPORTS FOR 2010-2011

MEMBER COUNTRY: BELGIUM

Activity	Contact Name	Address	Telephone	Fax	Email	web site
<b>National SCAR Committee</b>						
Belgian National Committee on Antarctic Research	Dr Annick Wilmotte Secretary	Centre for Protein Engineering, Institute of Chemistry B6, University of Liège, B-4000 Liège	+32 4 366.33.87/38.56	+32 4 366.33.64	awilmotte@ulg.ac.be	<a href="http://www.cip.ulg.ac.be/newsite/pages/themes/CyanoDiversityAntarctica.php?id=13">http://www.cip.ulg.ac.be/newsite/pages/themes/CyanoDiversityAntarctica.php?id=13</a>
<b>SCAR Delegates</b>						
<b>1) Delegate</b>	Prof. Frank Pattyn	Université Libre de Bruxelles Département des Sciences de la Terre et de l'Environnement Avenue Roosevelt 50 - CP 160/03 B-1050 Brussels	+32 2 650.28.46	+32 2 650.22.26	fpattyn@ulb.ac.be	<a href="http://dev.ulb.ac.be/glaaciol/BNCAR/">http://dev.ulb.ac.be/glaaciol/BNCAR/</a>
<b>2) Alternate Delegate</b>	Dr. Annick Wilmotte	Centre for Protein Engineering, Institute of Chemistry B6, University of Liège, B-4000 Liège	+32 4 366.33.87/38.56	+32 4 366.33.64	awilmotte@ulg.ac.be	<a href="http://www.cip.ulg.ac.be/newsite/pages/themes/CyanoDiversityAntarctica.php?id=13">http://www.cip.ulg.ac.be/newsite/pages/themes/CyanoDiversityAntarctica.php?id=13</a>
<b>Standing Scientific Groups</b>						
<b>Life Sciences</b>						
<b>1)</b>	Dr. Claude De Broyer	IRScNB Rue Vautier, 29 B-1000 Brussels	+32 2 627.41.27	+32 2 627.42.77	claude.debroyer@naturalsciences.be	<a href="http://www.naturalsciences.be/amphi/">www.naturalsciences.be/amphi/</a>
<b>2)</b>	Prof. Ann Vanreusel	Universiteit Gent Department of Biology Marine Biology Section Krijgslaan 281, S8 B-9000 Gent	+32 92 64.52.15	+32 92 64.53.44	ann.vanreusel@ugent.be	
<b>3)</b>	Dr. Annick Wilmotte	University of Liège Center for Protein Engineering (CIP) Institute of Chemistry, B6 Sart Tilman B-4000 Liège	+32 4 366.38.56 or +32 4 366.33.87	+32 4 366.33.64	awilmotte@ulg.ac.be	
<b>Geosciences</b>						
<b>1)</b>	Prof. Frank Pattyn	Université Libre de Bruxelles Département des Sciences de la Terre et de l'Environnement Avenue Roosevelt 50 - CP 160/03 B-1050 Brussels	+32 2 650.28.46	+32 2 650.22.26	fpattyn@ulb.ac.be	

Activity	Contact Name	Address	Telephone	Fax	Email	web site
2) <b>Geosciences (cont/d)</b>	Prof. Philippe Huybrechts	Vrije Universiteit Brussel Earth System Sciences & Departement Geografie Pleinlaan, 2 B-1050 Brussels	+32 2 629 35 93 or 33 82	+32 2 629 33 78	phuybrec@vub.ac.be	
1) <b>Physical Sciences</b>	Prof. Hugues Goosse	Université Catholique de Louvain Institut d'Astronomie et de Géophysique G. Lemaître Chemin du Cyclotron, 2 B-1348 Louvain-La-Neuve	+32 10 47.32.98	+32 10 47.47.22	hugues.goose@uclouvain.be	
2)	Prof. Jean-Louis Tison	Université Libre de Bruxelles Département des Sciences de la Terre et de l'Environnement Avenue Roosevelt 50 CP 160/03 B-1050 Brussels	+32 2 650.22.16	+32 2 650.22.26	jtison@ulb.ac.be	
1) <b>Antarctic Geographic Information</b>	Mr. Jean-Yves Pirlot	Institut Géographique National Abbaye de la Cambre, 13 B-1050 Brussels	+32 2 629.82.20	+32 2 629.82.67	jyp@ngi.be	www.ign.be

Activity	Contact Name	Address	Telephone	Fax	Email	web site
<b>Scientific Research Program</b>						
<b>ACE</b>						
<b>AGCS</b>						
<b>CIIC</b>	Prof. Thierry Fichet	Université Catholique de Louvain Institut d'Astronomie et de Géophysique G. Lemaître Chemin du Cyclotron, 2 B-1348 Louvain-la-neuve	+32 10 47.32.95	+32 10 47.47.22	thierry.fichet@uclouvain.be	cliv.npolar.no
<b>EBA</b>						
1)	Dr. Claude De Broyer	IRScNB Rue Vautier, 29 B-1000 Brussels	+32 2 627.41.27	+32 2 627.42.77	claudedebroyer@naturalsciences.be	www.naturalsciences.be/amphi/
2)	Dr. Annick Wilmotte	University of Liège Center for Protein Engineering (CIP) Institute of Chemistry, B6 Sart Tilman B-4000 Liège	+32 4 366.38.56 or +32 4 366.33.87	+32 4 366.33.64	awilmotte@ulg.ac.be	
<b>ICESTAR</b>						
<b>SALE (finished in 2010)</b>						
1)	Prof. Frank Pattyn	Université Libre de Bruxelles Département des Sciences de la Terre et de l'Environnement Avenue Roosevelt 50 - CP 160/03 B-1050 Brussels	+32 2 650.28.46	+32 2 650.22.26	fpattyn@ulb.ac.be	
<b>AAA (2010-)</b>						
1)						

Activity	Contact Name	Address	Telephone	Fax	Email	web site
<b>Action Groups</b>						
<b>CAML</b>						
<b>1) Steering Committee</b>	Dr Claude De Broyer	IRScNB Rue Vautier, 29 B-1000 Brussels	+32 2 627.41.27	+32 2 627.42.77	claude.debroyer@naturalsciences.be	www.naturalsciences.be/amphi/
<b>2)Expert</b>	Dr Bruno Danis	IRScNB Rue Vautier, 29 B-1000 Brussels	+32 2 627 41 39	+32 2 627.42.77	bruno.danis@scarmarbin.be	<a href="http://www.scarmarbin.be">www.scarmarbin.be</a> <a href="http://www.biodiversity.aq">www.biodiversity.aq</a>
<b>SCAR-MarBIN</b>						
<b>1) Steering Committee</b>	Dr Claude De Broyer	IRScNB Rue Vautier, 29 B-1000 Brussels	+32 2 627.41.27	+32 2 627.42.77	claude.debroyer@naturalsciences.be	www.scarmarbin.be
<b>2) Steering Committee</b>	Dr Bruno Danis	IRScNB Rue Vautier, 29 B-1000 Brussels	+32 2 627 41 39	+32 2 627.42.77	bruno.danis@scarmarbin.be	www.scarmarbin.be
<b>Expert Groups</b>						
<b>Geosciences</b>						
<b>Life Sciences</b>						
<b>Physical Sciences</b>						
<b>1) Antarctic Sea-Ice and Climate (AsPect)</b>	Prof. Jean-Louis Tison	Université Libre de Bruxelles Département des Sciences de la Terre et de l'Environnement Glaciologie Avenue Roosevelt 50 - CP 160/03 B-1050 Brussels	+32 2 650.22.16	+32 2 650.22.26	jtison@ulb.ac.be	

Activity	Contact Name	Address	Telephone	Fax	Email	web site
<b>SCADM</b>						
1)	Maaïke Van Cauwenberghe	Belgian Federal SPP Science Policy Rue de la Science 8 B-1000 Brussels	+32 2 238.35.42	+32 2 230.59.12	vcau@belspo.be	<a href="http://www.belspo.be/antar/">http://www.belspo.be/antar/</a>
2)	Dr Bruno Danis (Deputy Chief Officer)	IRScNB Rue Vautier, 29 B-1000 Brussels	+32 2 627 41 39	+32 2 627.42.77	bruno.danis@gmail.com	<a href="http://www.antabif.be">www.antabif.be</a>
<b>SCAGI</b>						
<b>National Antarctic Data Centre</b>						
1)	Maaïke Van Cauwenberghe	Belgian Federal SPP Science Policy Rue de la Science 8 B-1000 Brussels	+32 2 238.35.42	+32 2 230.59.12	vcau@belspo.be	<a href="http://www.belspo.be/antar/">http://www.belspo.be/antar/</a>
<b>ANTABIF Database</b>						
Antarctic Biodiversity Information Facility (ANTABIF)						
1)	Dr Hendrik Segers	IRScNB Rue Vautier, 29 B-1000 Brussels			Hendrik.segers@naturalsciences.be	<a href="http://www.antabif.be">www.antabif.be</a>
2)	Dr Bruno Danis	IRScNB Rue Vautier, 29 B-1000 Brussels			bruno.danis@gmail.com	<a href="http://www.antabif.be">www.antabif.be</a>
<b>SCAR Database</b>						
Antarctic Marine Biodiversity Information Network (SCAR-MarBIN)						
1)	Dr Claude De Broyer	IRScNB Rue Vautier, 29 B-1000 Brussels	+32 2 627.41.27	+32 2 627.42.77	claudio.debroyer@naturalsciences.be	<a href="http://www.scarmarbin.be">www.scarmarbin.be</a>
2)	Dr Bruno Danis	IRScNB Rue Vautier, 29 B-1000 Brussels	+32 2 627 41 39	+32 2 627.42.77	bruno.danis@scarmarbin.be	<a href="http://www.scarmarbin.be">www.scarmarbin.be</a> <a href="http://www.biodiversity.aq">www.biodiversity.aq</a>

**A BRIEF SUMMARY OF SCIENTIFIC HIGHLIGHTS:**

\* Please include any scientific activities you believe might be considered bioprospecting (<http://www.scar.org/treaty/atcmxxxiii/> see WP2)

**Current Research Projects**

<b>Subjects</b>	<b>Investigations</b>	<b>Locality</b>	<b>Duration</b>	<b>Principal investigators</b>	<b>E-mail address</b>	<b>Website</b>
<b>Geosciences</b>						
<b>ASPI</b> Antarctic Subglacial Processes and Interactions	Modelling studies and Ice composition Studies applied to grounding zones, basal processes and subglacial lakes		2006 - 2010	F. Pattyn J.-L. Tison Ph. Huybrechts	fpattyn@ulb.ac.be jtison@ulb.ac.be phuybrec@vub.ac.be	www.belspo.be/belspo/BePoles/science/today/act/phase6/aspi_en.stm
<b>DELAQUA</b> Deglaciation, ice-sheet thickness and climate change in Sør Rondane (East Antarctica) during the late Quaternary	Studying the climate and environmental history of the Sør Rondane Mountains based on an extensive survey and exploration of various landforms and natural climate archives (e.g. lakes, moraines, lacustrine paleoshorelines).	Sør Rondane Mountains	2008-2011	E. Verleyen W. Vyverman	wim.vyverman@ugent.be elie.verleyen@ugent.be	<a href="http://www.inbevbailetlatour.com/media/misc_media/Resumé%20Del aqua%202008.pdf">http://www.inbevbailetlatour.com/media/misc_media/Resumé%20Del aqua%202008.pdf</a>
<b>LISSA</b> <b>Lithospheric and Intraplate Structure and Seismicity in Antarctica</b>	Studying the crustal and upper-mantle structure and detection and analysis of global and local seismicity in the vicinity of the Princess Elisabeth Station	Princess Elisabeth base	2009-2013	T. Camelbeeck D. Lombardi G. Rapagnani	<a href="mailto:Thierry.Camelbeeck@oma.be">Thierry.Camelbeeck@oma.be</a> <a href="mailto:Denis.Lombardi@oma.be">Denis.Lombardi@oma.be</a> <a href="mailto:giovanni.rapagnani@oma.be">giovanni.rapagnani@oma.be</a>	
<b>GIANT</b> <b>Geodesy for Ice in Antarctica</b>	Studying ice mass variation and lithospheric movement in the vicinity of the Princess Elisabeth station.	Princess Elisabeth base	2009-2013	N. Bergeot C. Bruyninx T. Camelbeeck O. Francis M. van Camp	<a href="mailto:nicolas.bergeot@oma.be">nicolas.bergeot@oma.be</a> <a href="mailto:carine.bruyninx@oma.be">carine.bruyninx@oma.be</a> <a href="mailto:Thierry.Camelbeeck@oma.be">Thierry.Camelbeeck@oma.be</a> <a href="mailto:olivier.francis@uni.lu">olivier.francis@uni.lu</a> <a href="mailto:mvc@oma.be">mvc@oma.be</a>	
<b>SAMBA</b> Search for Antarctic Meteorites: Belgian Activities	Search, recovery and study of meteorites and from ice fields to document solar system evolution and planetary formation	Ice fields surrounding the Princess Elisabeth station, Sør Rondane Mountains, Nansen, Balchenfjella	2009-2014	Ph. Claeys, V. Debaille S. Goderis	<a href="mailto:phclaeys@vub.ac.be">phclaeys@vub.ac.be</a> <a href="mailto:vdebaille@ulb.ac.be">vdebaille@ulb.ac.be</a> <a href="mailto:steven.goderis@vub.ac.be">steven.goderis@vub.ac.be</a>	
<b>MICROMETA</b> Micro meteorites from Antarctica	Collection and study of micrometeorites to document solar system evolution and planetary formation	Sør Rondane Mountains,	2010-2014	S. Goderis V. Debaille Ph. Claeys	<a href="mailto:steven.goderis@vub.ac.be">steven.goderis@vub.ac.be</a> <a href="mailto:vdebaille@ulb.ac.be">vdebaille@ulb.ac.be</a> <a href="mailto:phclaeys@vub.ac.be">phclaeys@vub.ac.be</a>	

<b>Subjects</b>	<b>Investigations</b>	<b>Locality</b>	<b>Duration</b>	<b>Principal investigators</b>	<b>E-mail address</b>	<b>Website</b>
<b>Life Sciences</b>						
<b>BELCANTO III</b> Integrated Study of Southern Ocean Biogeochemistry and Climate Interactions in the Anthropocene	Climate change; Southern Ocean; ice-ocean biogeochemical model; Air-sea CO <sub>2</sub> fluxes; C, N, Si, Fe cycles; Export and mesopelagic remineralisation.	Southern Ocean	2006-2010	F. Dehairs C. Lancelot L. André H. Goosse A. Borges	fdehairs@vub.ac.be lancelot@ulb.ac.be landre@vub.ac.be goosse@astr.ucl.ac.be Alberto.Borges@ulg.ac.be	www.belspo.be/belspo/BePoles/science/today/act/phase6/belcanto3_en.stm
<b>YROSIAE</b> Year-Round survey of Ocean-Sea Ice-Atmosphere Exchanges	Study of landfast sea ice biogeochemistry during a whole year growth-decay cycle with focus on C, S, N and Si fluxes to Atmosphere and/or Ocean	McMurdo Sound, Antarctica - Scott Base (NZ)	2011-2013	B. Delille J.-L. Tison T. Fichefet M. Vancoppenolle B. Heinesch V. Schoemann G. Dieckmann T. Haskell (NZ)	Bruno. Delille@ulg.ac.be jtison@ulb.ac.be thierry.fichefet@uclouvain.be mvlod@locean-ipsl.upmc.fr heinesch.b@ulg.ac.beV Veronique.Schoemann@nioz.nl gdieckmann@awi-bremerhaven.de t.haskell@irl.cri.nz	www.fnrs.be - dev.ulb.ac.be/glacial/index.htm
<b>BIGSOUTH</b> <b>BioGeochemical cycles in the SOUTHERN ocean: role within the earth system</b>	Understanding processes controlling functioning and strength of the oceanic biological pump for representative areas of the Southern ocean (open ocean, sea ice) to assess carbon sequestration capacity and nutrient cycling in the Southern ocean with impacts on Global ocean	Southern ocean incl. sea ice covered areas	2011-2014	F. Dehairs B. Delille J.-L. Tison H. Goosse L. André F. Fripiat M. Vancoppenolle V. Schoemann	fdehairs@vub.ac.be Bruno. Delille@ulg.ac.be jtison@ulb.ac.be goosse@astr.ucl.ac.be landre@ulb.ac.be ffripiat@ulb.ac.be mvlod@locean-ipsl.upmc.fr Veronique.Schoemann@nioz.nl	http://www.belspo.be/belspo/SSD/science/projects/BIGSOUTH.FR.pdf
<b>BIANZO II</b> Biodiversity of three representative groups of the Antarctic zoobenthos: Coping with change	Biodiversity patterns and processes. Experimental trophodynamics related to temperature changes. Modeling studies of community structure changes.	Weddell Sea Scotia Sea Scotia Arc	2007 - 2010	A. Vanreusel C. De Broyer P. Martin C. De Ridder P. Dauby B. David	ann.vanreusel@ugent.be claudedeBroyer@naturalscience.be patrick.martin@naturalsciences.be cridder@ulb.ac.be pdauby@ulg.ac.be bruno.david@u-bourgogne.fr	www.belspo.be/belspo/BePoles/science/today/act/phase6/bianzo2_en.stm
<b>AMBIO</b> Antarctic Microbial Biodiversity: The importance of geographical and ecological factors	Collections and analysis of the diversity of Antarctic freshwater bacteria, cyanobacteria, green algae and diatoms. Community turnover along ecological and geographical gradients. Analysis of distribution patterns. Identification of regions of unique microbial diversity for ASPA designation.	Antarctic continent	2006-2011	A. Wilmotte W. Vyverman E. Verleyen A. Willems	awilmotte@ulg.ac.be wim.vyverman@ugent.be elie.verleyen@ugent.be anne.willems@ugent.be	www.belspo.be/belspo/BePoles/science/today/act/phase6/ambio_en.stm www.ambio.ulg.ac.be

<b>Subjects</b>	<b>Investigations</b>	<b>Locality</b>	<b>Duration</b>	<b>Principal investigators</b>	<b>E-mail address</b>	<b>Website</b>
<b>Life Sciences (cont/d)</b>  <b>ANTAR-IMPACT</b> Inventory and study of the environmental impact of the Belgian station 'Princess Elisabeth'	Baseline data on the biodiversity (lichens, mosses, birds, microorganisms, invertebrates) before the construction.	Dronning Maud Land, Utsteinen nunatak and ridge	2008-2010	A. Wilmotte A. Willems W. Vyverman E. Verleyen D. Ertz B. Van De Vijver	<a href="mailto:awilmotte@ulg.ac.be">awilmotte@ulg.ac.be</a> <a href="mailto:anne.willems@ugent.be">anne.willems@ugent.be</a> <a href="mailto:wim.vyverman@ugent.be">wim.vyverman@ugent.be</a> <a href="mailto:elie.verleyen@ugent.be">elie.verleyen@ugent.be</a> <a href="mailto:damien@br.fgov.be">damien@br.fgov.be</a> <a href="mailto:bart.vandevijver@br.fgov.be">bart.vandevijver@br.fgov.be</a>	<a href="http://www.antar-impact.ulg.ac.be">www.antar-impact.ulg.ac.be</a>
<b>BELDIVA</b> Exploration of the microbial diversity around the Belgian station	Database of diversity (lichens, mosses, bacteria, cyanobacteria, algae, micro-arthropods) in the region and support for management plans.	Dronning Maud Land, Sør Rondane Mountains	2009-2012	W. Vyverman E. Verleyen A. Willems A. Wilmotte D. Ertz B. Van De Vijver	<a href="mailto:wim.vyverman@ugent.be">wim.vyverman@ugent.be</a> <a href="mailto:elie.verleyen@ugent.be">elie.verleyen@ugent.be</a> <a href="mailto:anne.willems@ugent.be">anne.willems@ugent.be</a> <a href="mailto:awilmotte@ugent.be">awilmotte@ugent.be</a> <a href="mailto:Damien@br.fgov.be">Damien@br.fgov.be</a> <a href="mailto:Bart.vandevijver@br.fgov.be">Bart.vandevijver@br.fgov.be</a>	Blog: <a href="http://www.antarcticabelgium.blogspot.com">www.antarcticabelgium.blogspot.com</a>
<b>COLD LIFE</b> Cold adaptations in Antarctic microorganisms	Proteomic studies of Antarctic microorganisms. Biophysical studies of the activity, stability and conformation of enzymes from psychrophilic microorganisms	Terre Adélie Antarctic continent	unlimited	G. Feller	<a href="mailto:gfeller@ulg.ac.be">gfeller@ulg.ac.be</a>	<a href="http://www2.ulg.ac.be/biochlab/">http://www2.ulg.ac.be/biochlab/</a>
<b>SCAR-MarBIN</b> Antarctic Marine Biodiversity Information Network	Development of an integrated network of interoperable marine biodiversity databases. Elaboration of a Register of Antarctic Marine Species		2006 – 2010	C. De Broyer B. Danis	<a href="mailto:claudedeBroyer@naturalsciences.be">claudedeBroyer@naturalsciences.be</a> <a href="mailto:bruno.danis@scarmarbin.be">bruno.danis@scarmarbin.be</a>	
<b>ANTABIF</b> Antarctic Biodiversity Information Facility	Setup of web-based information system on Antarctic Biodiversity. Free and Open access to data	Antarctic and Sub-Antarctic	2010-2011	Bruno Danis Anton Van de Putte	<a href="mailto:bruno.danis@gmail.com">bruno.danis@gmail.com</a> <a href="mailto:antonarctica@gmail.com">antonarctica@gmail.com</a>	<a href="http://www.antabif.be">http://www.antabif.be</a>
<b>Physical Sciences</b>  <b>ice2sea (FP7)</b>	Improving the contribution of ice sheets and glaciers to future sea-level change	Global	2009-2013	P. Huybrechts F. Pattyn	<a href="mailto:phuybrec@vub.ac.be">phuybrec@vub.ac.be</a> <a href="mailto:fpattyn@ulb.ac.be">fpattyn@ulb.ac.be</a>	<a href="http://www.ice2sea.eu/">http://www.ice2sea.eu/</a>
<b>ASTER</b> Assessment of modelling uncertainties in long-term climate and sea level change projections	Production of a range of possible long-term scenarios of climate and sea level changes. Assessment of the possibility of abrupt or irreversible climate changes involving the North Atlantic thermohaline circulation, the Greenland and/or Antarctic ice sheets, and the carbon cycle.	Global	2006-2010	T. Fichefet P. Huybrechts A. Mouchet	<a href="mailto:thierry.fichefet@uclouvain.be">thierry.fichefet@uclouvain.be</a> <a href="mailto:phuybrec@vub.ac.be">phuybrec@vub.ac.be</a> <a href="mailto:a.mouchet@ulg.ac.be">a.mouchet@ulg.ac.be</a>	<a href="http://www.astr.ucl.ac.be/ASTER/">www.astr.ucl.ac.be/ASTER/</a>



<b>Subjects</b>	<b>Investigations</b>	<b>Locality</b>	<b>Duration</b>	<b>Principal investigators</b>	<b>E-mail address</b>	<b>Website</b>
<b>Physical Sciences (cont/d)</b>						
<b>AMANDA / IceCube</b> Neutrino Astrophysics	Galactic and extra-galactic neutrino detection using a ice-Cherenkov telescope	Amundsen-Scott Base	1997 - 2015	D. Bertrand P. Herquet C. De Clercq	bertrand@hep.ihe.ac.be Philippe.Herquet@umh.ac.be declercq@hep.ihe.ac.be	
<b>Climatology</b> Climate evolution of the Southern Ocean during the Holocene	Modelling with a coupled atmosphere-ocean-sea-ice model	The whole Southern Ocean	2002 - 2015	H. Goosse	hugues.goose@uclouvain.be	
<b>Climatology / Physical oceanography</b> Modelling the evolution of the Southern Ocean and of its ice cover during the last 50 years	Modelling using a coupled ocean-sea-ice model driven by atmospheric reanalysis	The whole Southern Ocean	2002 – 2015	T. Fichfet H. Goosse	thierry.fichfet@uclouvain.be hugues.goose@uclouvain.be	
<b>BELISSIMA</b> Belgian Ice Sheet – Shelf Ice Measurements in Antarctica	Improving the knowledge of the interaction between the ice sheet, ice shelf and the ocean through melting and accretion	Princess Elisabeth station, East Antarctica; Coastal Dronning Maud Land	2008-2012	F. Pattyn J.L. Tison	<a href="mailto:fpattyn@ulb.ac.be">fpattyn@ulb.ac.be</a> <a href="mailto:jtison@ulb.ac.be">jtison@ulb.ac.be</a>	
<b>BELATMOS</b> Monitoring of ozone and related trace gases, UV radiation and aerosol particles in support of atmospheric chemistry and climate research	Long-term monitoring of the chemical and particle composition of the Antarctic atmosphere and quantification of the UV radiation reaching the surface, using a suite of complementary ground-based instruments	Princess Elisabeth station, East Antarctica, Dronning Maud Land, Sor Rondane Mountains	2008-2013 ff	H. De Backer A. Mangold M. Van Roozendaal C. Hermans W. Maenhaut	alexander.mangold@meteo.be hugo.debacker@meteo.be  christian.hermans@aeronomie.be	<a href="http://ozone.meteo.be/meteo/view/en/1550481-ANTARCTIC.html">http://ozone.meteo.be/meteo/view/en/1550481-ANTARCTIC.html</a>
<b>HYDRANT</b> <b>Measuring and modelling meteorology, clouds and precipitation in Antarctica</b>	Establishing a cloud and precipitation observatory containing in-situ and ground-based remote sensing instrumentation for evaluation of regional climate models.	Princess Elisabeth station, East Antarctica, Dronning Maud Land, Sor Rondane Mountains	2008-2013	N. van Lipzig, I. Gorodetskaya, H. De Backer, A. Mangold; S. Crewell, M. Vandenbroeke	Nicole.vanlipzig@ees.kuleuven.be; Irina.gorodetskaya@ees.kuleuven.be; hugo.debacker@meteo.be; alexander.mangold@meteo.be; crewell@meteo.uni-koeln.de; m.r.vandenbroeke@phys.uu.nl	<a href="http://ees.kuleuven.be/hydrant/">http://ees.kuleuven.be/hydrant/</a>
<b>Climatology</b> Understanding and predicting Antarctic sea ice variability at the decadal timescale	Analyse of observations, simulations with different types of models and predictions	The whole Southern Ocean	2011-2015	H. Goosse A. Barth S. Vannitsem	hugues.goose@uclouvain.be	

Web site for description of national scientific programme activities

<http://www.belspo.be/antar/>

**SPECIAL SCIENTIFIC HIGHLIGHTS:**

On 31th May 2011, the Workshop 'Antarctic Biodiversity: Status and Trends' was organized by the AMBIO project, SCAR-EBA and APECS at the University of Liège (<http://antarcticbelgium.blogspot.com/2011/04/meeting-on-antarctic-biodiversity-31.html>)

**Bioprospecting**

Concerning 'Bioprospecting', the projects BIANZO, AMBIO, ANTAR-IMPACT, BELDIVA, and COLD LIFE imply the collection of samples. For the 4 latter projects, strains are sometimes isolated and deposited in culture collections. Therefore, these activities could be considered as a first step of bioprospecting.