

MEMBER COUNTRY: URUGUAY
National Report to SCAR for year: 2011-2012

Activity	Contact Name	Address	Telephone	Fax	Email	web site
National SCAR Committee						
	Uruguayan Antarctic Institute	8 de Octubre 2958, Montevideo Uruguay, Zip code 11600	(598)24878341-43	Fax(598)24876004	antartic@iau.gub.uy cientifica@iau.gub.uy	www.iau.gub.uy
SCAR Delegates						
1) Delegate	Prof.Dr.Bartolome A.Grillo	8 de Octubre 2958, Montevideo Uruguay, Zip code 11600	(5982) 4878341-43	(598) 24876004	info@seakrill.com	www.iau.gub.uy
2) Alternate Delegate	Lic. Juan Abdala	8 de Octubre 2958, Montevideo Uruguay, Zip code 11600	(5982)4878341-43	(598) 24876004	jabdala@iau.gub.uy	www.iau.gub.uy
Standing Scientific Groups						
Life Sciences						
1)						
2)						
3)						
4)						
Geosciences						
1)						
2)						
3)						
4)						
Physical Sciences						
1)						
2)						
3)						
4)						

Activity	Contact Name	Address	Telephone	Fax	Email	web site
Scientific Research Program						
ACE 1) 2) 3) 4)						
AGCS 1) 2) 3) 4)						
EBA 1) 2) 3) 4)						
ICESTAR 1) 2) 3) 4)						
SALE 1) 2) 3) 4) AAA (2010-) 1) 2) 3) 4)						

Activity	Contact Name	Address	Telephone	Fax	Email	web site
ACTION GROUPS						
1) 2) 3) 4) insert others as needed						
EXPERT GROUPS						
1) 2) 3) 4) insert others as needed						
SCADM						
1) 2)						
SCAGI						
1) 2)						
NATIONAL ANTARCTIC DATA CENTRE						
SCAR DATABASE						
insert name of database for which your country has responsibility						

A BRIEF SUMMARY OF SCIENTIFIC HIGHLIGHTS*:

Life Sciences

Research	General Objective	Locality	Duration	Contact Name	Address	Email
Denitrification in different ecosystems of Antarctica.	Study the process of denitrification at low temperatures in different ecosystems of Antarctica.	King George Island	2011-2013	Claudia Etchebehere	Instituto de Química Biológica, Facultad de Ciencias, Universidad de la República. Igua 4225 Esq. Mataojo CP 11400, Montevideo, Uruguay	cetchebe@fq.edu.uy
Marine Debris Survey sample areas of CCAMLR and identification of pinniped populations structures on the coast of Drake Passage, King George Island, Antarctica	Observation, recording and evaluation of anthropogenic debris especially of fishing ("marine debris") in the sampling areas and jurisdiction of CCAMLR. Monitoring pinniped populations for the prevention or minimization of changes in the marine ecosystem studied.	King George Island	2006-2013	Oscar Daniel Pin	Dirección Nacional de Recursos Antárticos (DINARA), MGAP. Constituyente 1497 CP 11200, Montevideo, Uruguay	opin@dinara.gub.uy
Diversity of decapod crustaceans in Collins Bay, Antarctica.	Determine the community composition of decapod crustaceans Collins Bay.	King George Island	2011-2013	Ana Verdi	Facultad de Ciencias, Universidad de la República. Igua 4225 Esq. Mataojo CP 11400, Montevideo, Uruguay	averdi@fcien.edu.uy
Identification of yeasts in Antarctica	Determine the identity of yeast in Antarctic waters and soils and establish their biotechnological potential.	King George Island	2011-2013	Silvana Vero	Facultad de Química, Universidad de La República. General Flores 2124 CP 11800, Montevideo, Uruguay	svero@fq.edu.uy
Composition of bacterial communities that form mats in King George Island	Characterize bacterial communities forming mats on King George Island, to identify gene expression patterns associated with the nitrogen cycle, and learn to change their pattern of climate change scenarios. Characterize terrestrial microbial communities that develop in different sites of the Fildes Peninsula, with particular attention to areas near the storage tanks and fuel management zones, to analyze the presence and expression levels of genes of biodegradation	King George Island	2011-2013	Silvia Batista	Instituto de Investigaciones Biológicas Clemente Estable, Av. Italia 3318 CP 11600, Montevideo, Uruguay	silvia@iibce.edu.uy
Search for new bacterial enzymes through metagenomic approach	Detect, identify and characterize new enzymes of potential biotechnological interest adapted to low temperatures	King George Island	2011-2013	Elena Fabiano	Instituto de Investigaciones Biológicas Clemente Estable, Av. Italia 3318 CP 11600, Montevideo, Uruguay	efabiano@iibce.edu.uy
Temporal and spatial biomonitoring of microbial populations at sites near the Base Científica Antártica Artigas (BCAA)	Determine the influence of human activities on populations of certain bacterial groups in Antarctic waters, in long-term analysis.	King George Island	2011-2013	María Morel	Instituto de Investigaciones Biológicas Clemente Estable, Av. Italia 3318 CP 11600, Montevideo, Uruguay	mmorel@iibce.edu.uy
Search and characterization of plant growth promoting bacteria in the rhizosphere of native antarctic plants	Isolate and characterize bacteria potentially plant growth promoting from rhizosphere of <i>Colobanthus quitensis</i> and <i>Deschampsia antarctica</i>	King George Island	2011-2013	Natalia Bajsa	Instituto de Investigaciones Biológicas Clemente Estable, Av. Italia 3318 CP 11600, Montevideo, Uruguay	nbajsa@iibce.edu.uy
Technological and structural aspects of active proteases at low temperatures	Identifying, expressed in a heterologous system and purifying an active protease at low temperatures for the analysis of their potential technological applications. Contribute to understanding of the structural aspects involved in the activity of active proteases at low temperatures.	King George Island	2011-2013	Susana Castro Sowinski	Sección Bioquímica, Facultad de Ciencias, Universidad de la República. Igua 4225 Esq. Mataojo CP 11400, Montevideo, Uruguay	scs@libce.edu.uy
Characterization of Antarctic microorganisms as a source of polyunsaturated fatty acids omega 3 and omega 6	Search and selection of Antarctic microorganisms as a source of polyunsaturated fatty acids omega 3 and omega 6, with prospects to promote the development of new sources of functional lipids.	King George Island	2011-2013	Lyliam Loperena	Facultad de Ingeniería, Universidad de la República, Julio Herrera 565 CP 11300, Montevideo, Uruguay.	lilianl@fing.edu.uy
Limnological study of lakes associated with the Collins Glacier (King George Island, Antarctica).	Determine the limnological characteristics of lentic systems associated with the Collins Glacier	King George Island	2005-2013	Gabriela Eguren	Facultad de Ciencias, Universidad de la República. Igua 4225 Esq. Mataojo CP 11400, Montevideo, Uruguay	eguren67@gmail.com

Geosciences

Research	General Objective	Locality	Duration	Contact Name	Address	Email
Active participation in the Project SCAR-GIANT (Geodetic Infrastructure in Antarctica)	The SCAR-GIANT project aims to establish and maintain a High Precision Geodetic Infrastructure in Antarctica, and is considered one of the key components of the Antarctic Spatial Data Infrastructure (AntSDI)	King George Island	1995-2013	Norbertino Suárez	Servicio Geográfico Militar, 8 de Octubre 3255 CP 11600, Montevideo, Uruguay	nsuarez@sgm.gub.uy
Active participation in the SCAR-KGIS Project (Geographic Information System for King George Island).	Produce an Integrated Geographic Database for use by all countries, with multidisciplinary applications (planning and coordination activities, advice on environmental impact, scientific database, management plans as SSSIs and ATMA).	King George Island	2000-2013	Norbertino Suárez	Servicio Geográfico Militar, 8 de Octubre 3255 CP 11600, Montevideo, Uruguay	nsuarez@sgm.gub.uy

Physical Sciences

Research	General Objective	Locality	Duration	Contact Name	Address	Email
Scientific research on Antarctic weather	Integrating Network Synoptic and climatological stations Basic of World Weather Watch Programme (WWW) through the implementation of activities under the Rules of the WMO Antarctic region and determine the climatology of the region	King George Island	1984-2013	Rodolfo Pedocchi	Dirección Nacional de Meteorología, Javier Barrios Amorin 1488 CP 11200, Montevideo, Uruguay	dtornalmet@adinet.com.uy
Monitoring activities complementary to the MARANT project	Locate the Antarctic convergence zone in the Drake Passage. Characterize the vertical distribution of temperature, salinity and water density in the Maxwell Bay and Bransfield Strait. Know the current state and evolution of water quality and sediments in the coastal area of Maxwell Bay during the summer	King George Island	1987-2013	Alejandro Chucarro	Servicio de Oceanografía, Hidrografía y Meteorología, Capurro 980 CP 11700, Montevideo, Uruguay	sohma_oce_jefe@armada.mil.uy