

## MEMBER COUNTRY:

## National Report to SCAR for year: 2015

Activity	Contact Name	Address	Telephone	Fax	Email	Website
<b>National SCAR Committee</b>						
	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	<a href="http://www.iau.gub.uy">www.iau.gub.uy</a>
<b>SCAR Delegates</b>						
1) Delegate	Prof.Dr.Bartolome A.Grillo	8 de Octubre 2958, Montevideo Uruguay, Zip code 11600	(598) 24878341-43	(598) 24876004	<a href="mailto:info@seakrill.com">info@seakrill.com</a>	<a href="http://www.iau.gub.uy">www.iau.gub.uy</a>
2) Alternate Delegate	Lic. Juan Abdala	8 de Octubre 2958, Montevideo Uruguay, Zip code 11600	(598) 24878341-43	(598) 24876004	<a href="mailto:jabdala@iau.gub.uy">jabdala@iau.gub.uy</a>	<a href="http://www.iau.gub.uy">www.iau.gub.uy</a>
<b>Standing Scientific Groups</b>						
<b>Life Sciences</b>						
1) 2)	Silvia Batista	Instituto de Investigaciones Biológicas Clemente Estable, Av. Italia 3318 CP 11600, Montevideo, Uruguay	(598) 24871616	(598) 24875461	<a href="mailto:silvia@iibce.edu.uy">silvia@iibce.edu.uy</a>	<a href="http://www.iibce.edu.uy/">http://www.iibce.edu.uy/</a>
<b>Geosciences</b>						
1) 2)						
<b>Physical Sciences</b>						
1) 2)						
<b>Scientific Research Program</b>						
<b>AAA</b>						
1)						
<b>AntEco</b>						
1)						
<b>AnT-ERA</b>						
1)						
<b>AntClim21</b>						
1)						
<b>PAIS</b>						
1)						
<b>SERCE</b>						
1)						

Activity	Contact Name	Address	Telephone	Fax	Email	Website
<b>Standing Committees</b>						
1) <b>SCADM</b> 2)						
1) <b>SCAGI</b> 2)						
<b>Other Groups (optional)</b>						
1) <b>SOOS</b> 2)						

## Scientific Highlights for 2014-15

Research	General Objective	Locality	Duration	Contact Name	Address	Email
Assessing the impact of domestic effluents in Artigas Base (King George Island), by chemical and microbiological indicators	Assess domestic effluent contamination in sediments from different environments (land, sea and lake) near the Artigas Antarctic Scientific Base by using molecular biomarkers (steroids) and microbiological indicators.	King George Island	2014-2015	Ernesto Brugnoli	Sección Oceanografía y Ecología Marina Instituto de Ecología y Ciencias Ambientales. Facultad de Ciencias. Universidad de la República. Igua 4225 Esq. Matajojo CP 11400, Montevideo, Uruguay	<a href="mailto:ebo@fcien.edu.uy">ebo@fcien.edu.uy</a>
Assessment of ecological status of Antarctic lakes in the area of influence of Artigas Antarctic Scientific Base	To assess the ecological status of Antarctic lakes in the area of influence of the Artigas Antarctic Scientific Base, according to the composition and abundance of benthic fauna. Contribute to the knowledge of this microbial biodiversity in this region.	King George Island	2014-2015	Ana Verdi	Sección Entomología. Facultad de Ciencias. Universidad de la República. Igua 4225 Esq. Matajojo CP 11400,	<a href="mailto:averdi@fcien.edu.uy">averdi@fcien.edu.uy</a>
Isolation and identification of Antarctic microorganisms producers of extracellular lipases. Possible application to the synthesis of biodiesel.	Isolate and identify microorganisms in soils and ocean waters and Antarctic mainland and establish their biotechnological potential in the synthesis of biodiesel. Promote biocatalytic processes as an alternative to chemical processes traditional.	King George Island	2014-2015	Gabriela Irazoqui	Facultad de Química. Universidad de la República. Av. Gral. Flores 2124. CP 11800	<a href="mailto:mgidrv@fq.edu.uy">mgidrv@fq.edu.uy</a>
Survey of the insect fauna in the area of influence of the Artigas Base	Knowing the diversity of insects in the area of influence of Artigas Antarctic Scientific Base and propose bioindicator species for studies of environmental monitoring	King George Island	2014-2015	Enrique Morelli	Facultad de Ciencias. Universidad de la República. Igua 4225 Esq. Matajojo CP 11400,	<a href="mailto:emorelli@fcien.edu.uy">emorelli@fcien.edu.uy</a>
Bioprospecting and identification of filamentous fungi of Antarctica potential producers of antimicrobial metabolites	Select and identify strains of filamentous fungi from Antarctica potential producers of antimicrobial metabolites.	King George Island	2014-2015	Silvana Alborés	Facultad de Química. Universidad de la República. Av. Gral. Flores 2124. CP 11800	<a href="mailto:salbores@fq.edu.uy">salbores@fq.edu.uy</a>
Composición y estructura de la Artrópodo-fauna en áreas cercanas a la Base Científica Antártica Artigas	Study composition and structure of the fauna of ground and aerial arthropods present in areas near Artigas Antarctic Scientific Base.	King George Island	2014-2015	Álvaro Laborda	Sección Entomología. Facultad de Ciencias. Universidad de la República. Igua 4225 Esq. Matajojo CP 11400,	<a href="mailto:alaborda@fcien.edu.uy">alaborda@fcien.edu.uy</a>
Isolation of Antarctic microorganisms pigment producers	It seeks to select heterotrophic microorganisms present pigmentation, with prospects for developing the production of microbial carotenoids.	King George Island	2014-2015	Verónica Saravia Silvera	Facultad de Ingeniería. Universidad de la República. Julio Herrera y Reissig 565 CP 11300	<a href="mailto:vsaravia@fing.edu.uy">vsaravia@fing.edu.uy</a>
Molecular analysis of gastroenteric virus on wildlife and the environment in Antarctica	Detect and molecularly characterize the gastroenteric viruses in populations of pinnipeds (mainly phocids) and seabirds of Antarctic wildlife, and assess their environmental spread through water and contribute to establish the possible roll of Antarctica in the generation of new viral variants.	King George Island	2014-2015	Matías Victoria	Laboratorio de Virología Molecular, Regional Norte - sede Salto, Universidad de la República. Laboratorio de Virología Molecular, Centro de Investigaciones Nucleares, Facultad de Ciencias, Universidad de la República	<a href="mailto:matvicmon@yahoo.com">matvicmon@yahoo.com</a>
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	2006-2015	Oscar Daniel Pin	Dirección Nacional de Recursos Antárticos (DINARA), MGAP. Constituyente 1497 CP 11200, Montevideo, Uruguay	<a href="mailto:opin@dinara.gub.uy">opin@dinara.gub.uy</a>

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	1995-2015	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	2000-2015	Norbertino Suárez	Servicio Geográfico Militar, 8 de Octubre 3255 CP 11600, Montevideo, Uruguay	nsuarez@sgm.gub.uy
Biotic responses to global environmental change: Evidence of Antarctic terrestrial ecosystems and their environmental services	Analyze the coupling of biogeochemical cycles of carbon and nitrogen, and vulnerability to global change scenarios that could affect regional biotic environmental services, using polar microbial communities as a study model	King George Island	2014-2015	Silvia Batista	Instituto de Investigaciones Biológicas Clemente Estable, Av. Italia 3318 CP 11600, Montevideo, Uruguay	<a href="mailto:silvia@iibce.edu.uy">silvia@iibce.edu.uy</a>
Red algae as sources of pigments in photovoltaic cells DSSC type	Removing pigments responsible for the red color in algae in Antarctica as <i>Gigartina skottsbergii</i> and <i>Iridaea cordata</i>	King George Island	2014-2015	María Fernanda Cerdá	Facultad de Ciencias. Universidad de la República. Igua 4225 Esq. Mataojo CP 11400,	<a href="mailto:fcerda@fcien.edu.uy">fcerda@fcien.edu.uy</a>
The return of paleontological research in Antarctica Uruguay: A new interdisciplinary approach	Return to the Uruguayan research in the areas of geology and paleontology in the King George Island, in order to position our country as a benchmark in these issues in the international scientific arena	King George Island	2014-2015	Daniel Perea	Facultad de Ciencias. Universidad de la República. Igua 4225 Esq. Mataojo CP 11400,	<a href="mailto:perea@fcien.edu.uy">perea@fcien.edu.uy</a>