

MEMBER COUNTRY: Uruguay
National Report to SCAR for year: 2009-10

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National SCAR Committee						
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SCAR Delegates						
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Standing Scientific Groups						
Life Sciences						
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2)	Silvia Batista	Instituto de Investigaciones Biológicas Clemente Estable, Av. Italia 3318, Montevideo, URUGUAY	(5982) 4871616	(5982) 4875461	silvia@iibce.edu.uy	www.iibce.edu.uy
3)	Angela Quartarolo	Instituto Antártico Uruguayo, 8 de Octubre 2958, Montevideo URUGUAY	(5982) 4878341-43	(5982) 4876004	angelaquartarolo@yahoo.com.ar	www.iau.gub.uy
4)	Maria Nube Szephegyi	Facultad de Ciencias, Universidad de la República, Iguá 4225, Montevideo, URUGUAY.	(5982) 5258618 int 7142.		cetaceosuy@fcien.edu.uy	www.cetaceos.org.uy
5)	Hermosinda Varela	Facultad de Ingeniería, Universidad de la República, Julio Herrera y Reissing 565, Montevideo, URUGUAY.	(5982)7110871 int 110.	(5982)7107437	lilian@fing.edu.uy	www.fing.edu.uy
6)	Gabriela Eguren	Facultad de Ciencias, Universidad de la República, Iguá 4225, Montevideo, URUGUAY.	(5982)5258618 int 7160.	(5982)5258616	eguren67@gmail.com	www.fcien.edu.uy
7)	Rodrigo Ponce de León	Facultad de Ciencias, Universidad de la República, Iguá 4225, Montevideo, URUGUAY.	(5982) 5258618 int 7147.		rodrigo@fcien.edu.uy	www.fcien.edu.uy
8)	Fernando de Santiago	Fundación oftalmológica del Uruguay, Clínica de la visión, J. Ellauri 690 Montevideo, URUGUAY.	(5982) 7110067		clinicadelavision@hotmail.com	www.iau.gub.uy
9)	Oscar Pin	Dirección Nacional de Recursos Acuáticos, Constituyente 1497, URUGUAY.	(5982) 4004689 int. 180	(5982) 4013216	opin@dinara.gub.uy	www.dinara.gub.uy
Geosciences						
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Physical Sciences						
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Activity	Contact Name	Address	Telephone	Fax	Email	web site
Scientific Research Program						
ACE						
1)						
2)						
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AGCS						
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EBA						
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ICESTAR						
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SALE						
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Activity	Contact Name	Address	Telephone	Fax	Email	web site
ACTION GROUPS						
1)						
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EXPERT GROUPS						
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JCADM						
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NATIONAL ANTARCTIC DATA CENTRE						
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SCAR DATABASE						

A BRIEF SUMMARY OF SCIENTIFIC HIGHLIGHTS:

Life Sciences						
1)	Evaluation of the Microorganisms Associated to Human Beings.	Isolation, molecular characterization and study of sensitivity and antibiotic resistance of strains of <i>Escherichia coli</i> Shiga toxin-producing (STEC) in Antarctic wildlife.	King George Island	1997-2010	Instituto de Higiene, Facultad de Medicina, Universidad de la República.	marieladicris@yahoo.com , www.iau.gub.uy
2)	DNA Profile of Diazotrophic Microbial Population in Soils and Lakes from the Antarctic Peninsula and King George Island.	Analysis of terrestrial microbial communities, identification of microorganisms through dependent and independent techniques of cultivation. Characterization of integrons as genetic elements of horizontal transmission of genetic determinants linked to resistance functions to stressful environmental conditions.	King George Island	2005-2010	Instituto de Investigaciones Biológicas Clemente Estable.	silvia@iibce.edu.uy , www.iau.gub.uy
3)	Study of the Required Psychological Characteristics of Humans Regarding Insertion into the Antarctic Environment and their Application.	Get patterns of individual and group behavior to improve the integration of the individual in isolation and hostile environment, observing and measuring the indices of adjustment, anxiety, aggression, dependency, and sociability.	King George Island	1994-2010	Instituto Antártico Uruguayo.	angelaquartarolo@yahoo.com.ar , www.iau.gub.uy
4)	Census of Antarctic Marine Life and Cetacean Survey in the Southwestern Atlantic and Southern Oceans.	Study habitats and biomes (surface water, pelagic and benthic zones) of the Southern Ocean to study the dynamics of the ocean ecosystem and the determination of the biodiversity present.	Southern Ocean	2006-2010	Facultad de Ciencias, Universidad de la República.	cetaceosuy@fcien.edu.uy , www.iau.gub.uy
5)	Selection and Characterization of Microorganisms with Biotechnological Interest for Enzymes, Biopolymers and Metabolites Production from Antarctic Ecosystems.	Contribute to the knowledge on bacterial and fungal biodiversity present in the Antarctic Peninsula, to characterize the isolates as a genetic resource and biotechnology. Isolation and identification of bacterial and fungal microorganisms Antarctic metabolically characterize and select the producing organisms: enzymes and biopolymers of industrial interest.	King George Island	2004-2010	Facultad de Ingeniería, Universidad de la República.	lilianl@fing.edu.uy , www.iau.gub.uy
6)	Environmental Characterization of the Uruguayan Lake to the Uruguayan Antarctic Base.	Incorporate new specific physical, chemical and biological processes that characterize the environmental quality of the Lake Uruguay basin.	King George Island	2005-2010	Facultad de Ciencias, Universidad de la República.	eguren67@gmail.com , www.iau.gub.uy
7)	Biological Environment Monitoring. Uruguayan Antarctic Institute.	Direct specific monitoring activities to assess the different forms of human impact on the base and proximity, involving the use of organisms as indicators of pollution.	King George Island	2005-2010	Facultad de Ciencias, Universidad de la República.	rodrigo@fcien.edu.uy , www.iau.gub.uy
8)	Assessment of alteration in the tear film, and conjunctival and corneal epithelia against extreme environmental conditions.	Determine changes lacrimal secretions in a hostile environment.	King George Island	2002-2010	Fundación oftalmológica del Uruguay, Clínica de la visión.	clinicadelavision@hotmail.com , www.iau.gub.uy
9)	Survey and evaluation of marine debris in areas of CCAMLR sampling and identification of structures pinniped marine mammal populations on the coast of Drake Strait, King George Island, Antarctic island.	Provide monitoring data in the sample areas CCAMLR. Contributing to the observation, recording and evaluation of anthropogenic debris in the area of application of CCAMLR.	King George Island, South Shetland Island, Antarctic Peninsula and Tierra del Fuego	2008-2010	Dirección Nacional de Recursos Acuáticos.	opin@dinara.gub.uy , www.iau.gub.uy

EBA 1)	The Antarctic-Magellan connection: Diversity and biogeography of interstitial turbellarians in the Scotia Arc.	Study the historical biogeography in the Scotia Arc, using interstitial microturbellarians comparing the biota of the Antarctic Peninsula, an island in the archipelago of the South Shetlands, the Isla Grande de Tierra del Fuego and a location on the tip of the continent South America.	King George Island, South Shetland Island, Antarctic Peninsula and Tierra del Fuego	2005-2010	Facultad de Ciencias, Universidad de la República.	odile@fcien.edu.uy , www.iau.gub.uy
Geosciences						
1)	Geodesic infrastructure program in Antarctica and satellite observations.	Link to Antarctica in Global Terrestrial Reference System ITRF, with the highest precision. Measuring the relative directions and speeds of Antarctic Plate separation of adjacent plates and micro plates.	King George Island	1994-2010	Servicio Geográfico Militar.	sgm@ejercito.mil.uy
Physical Sciences						
1)	Mobile marine weather.	Contribute to World Weather Watch network of WMO by transmitting data from onboard observation of meteorological and oceanographic parameters corresponding to a selected station.	Southern Ocean	1997-2010	Servicio de Oceanografía, Hidrografía y Meteorología.	sohma@armada.gub.uy , www.iau.gub.uy
2)	Oceanic Tides Uruguayan Antarctic Institute.	Obtaining time series of tidal height records for the information of the tidal regime, establishment of mean sea level and tide height prediction.	King George Island	1999-2010	Servicio de Oceanografía, Hidrografía y Meteorología.	sohma@armada.gub.uy , www.iau.gub.uy
3)	Meteorological research in Antarctica.		King George Island	1984-2010	Dirección Nacional de Meteorología.	lilabernasconi@yahoo.com.ar , www.iau.gub.uy