

MEMBER COUNTRY: Uruguay
National Report to SCAR for year: 2008-09

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National SCAR Committee						
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Standing Scientific Groups						
Life Sciences						
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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
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2)						
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Physical Sciences						
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5)	Raul García	Servicio Meteorológico, Fuerza Aerea, Base Aérea "Cap. Boiso Lanza", Camino Mendoza 5553, Montevideo, URUGUAY	(5982) 2223385	(5982) 2224303	bgx@mixmail.com	
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) 2) 3) 4) insert others as needed						
EXPERT GROUPS						
1) 2) 3) 4) insert others as needed						
JCADM						
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2)						
NATIONAL ANTARCTIC DATA CENTRE						
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SCAR DATABASE						
insert name of database for which your country has responsibility						

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	1997-2009	Instituto de Higiene, Facultad de Medicina, Universidad de la República.	marieladicris@yahoo.com
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	2005-2009	Instituto de Investigaciones Biológicas Clemente Estable.	silvia@iibce.edu.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	1994-2009	Instituto Antártico Uruguayo.	angelaquartarolo@yahoo.com.ar
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	2006-2009	Facultad de Ciencias, Universidad de la República.	cetaceosuy@fcien.edu.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	2004-2009	Facultad de Ingeniería, Universidad de la República.	lilian@fing.edu.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	2005-2009	Facultad de Ciencias, Universidad de la República.	eguren67@gmail.com
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	2005-2009	Facultad de Ciencias, Universidad de la República.	rodrigo@fcien.edu.uy
8)	The Antarctic-Magellan connection: Diversity and biogeography of interstitial turbellarians in the Scotia Arc.	Study the historical biogeography in the Scotia Arc, using interstitial microturbellarios 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	2005-2009	Facultad de Ciencias, Universidad de la República.	odile@fcien.edu.uy

Geosciences						
1) 2) 3) 4)	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	1994-2009	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	1997-2009	Servicio de Oceanografía, Hidrografía y Meteorología.	sohma@armada.gub.uy
3)	Oceanic Tides Uruguayan Antarctic Institute.	Obtención de series de tiempo de registros de altura de mareas, para el conocimiento del régimen mareal, establecimiento del nivel medio del mar y predicción del altura de mareas.	King George Island	1999-2009	Servicio de Oceanografía, Hidrografía y Meteorología.	sohma@armada.gub.uy
4)	Meteorological research in Antarctica.		King George Island	1984-2009	Dirección Nacional de Meteorología.	lilabernasconi@yahoo.com.ar
5)	Ozono project	Obtaining data on the thickness of the ozone layer in the vertical of the BCAA	King George Island	1995-2009	Servicio Meteorológico, Fuerza Aerea	rgarcia@fau.gub.uy