

MEMBER COUNTRY: ARGENTINA

National Report to SCAR for year: 2010 – 2011

Activity	Contact Name	Address	Telephone	Fax	Email	web site
National SCAR Committee						
SCAR Delegates						
1) Delegate	Dr. Sergio A. Marensi	Instituto Antártico Argentino (I.A.A.), Cerrito 1248 (C1010AAZ) Buenos Aires	54-11-4-816-6271	54-11-4-813- 7807	smarensi@dna.gov.ar	www.dna.gov.ar
2) Alternate Delegate	Dr. Viviana Alder	Instituto Antártico Argentino (I.A.A.), Cerrito 1248 (C1010AAZ) Buenos Aires	54-11-4-576-3300/09 int.248	54-11-4-812-2086	viviana_alder@yahoo.com	
Standing Scientific Groups						
Life Sciences						
1)	Dr. Néstor R. Coria	Instituto Antártico Argentino (I.A.A.), Cerrito 1248 (C1010AAZ) Buenos Aires	54-11-4-275-7523	54-11-4-812-2086	ncoria@dna.gov.ar	
2)	Dr. Mariano A. Memolli	Dirección Nacional del Antártico (D.N.A.), Cerrito 1248 (C1010AAZ) Buenos Aires	54-11-4-813-7807	54-11-4-813-7807	dna@dna.gov.ar	
3)						
4)						
Geosciences						
1)	Dr. Rodolfo A. del Valle	Instituto Antártico Argentino (I.A.A.), Cerrito 1248 (C1010AAZ) Buenos Aires	54-11-4-815-4064	54-11-4-812-2086	delvalle@dna.gov.ar	
2)	Dr. Martha E. Ghidella	Instituto Antártico Argentino (I.A.A.), Cerrito 1248 (C1010AAZ) Buenos Aires	54-11-4-812-6313	54-11-4-812-2086	mghidella@dna.gov.ar	
3)	Eng. Federico Mayer	Servicio de Hidrografía Naval (SIHN), Avda. Montes de Oca 2124 (C1270ABV) Buenos Aires	54-11-4-301-9809	54-11-4-301-3883	fmayer@speedy.com.ar	
4)						
Physical Sciences						
1)	Eng. Pedro Skvarca	Instituto Antártico Argentino (I.A.A.), Cerrito 1248 (C1010AAZ) Buenos Aires	54-11-4-816-6821	54-11-4-816-6821	glacio@dna.gov.ar	
2)						
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Activity	Contact Name	Address	Telephone	Fax	Email	web site
Scientific Research Program						
1) ACE	Dr. Sergio A. Marensi	Instituto Antártico Argentino (I.A.A.), Cerrito 1248 (C1010AAZ) Buenos Aires	54-11-4-816-6271	54-11-4-813-7807	smarensi@dna.gov.ar	
2)						
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1) AGCS						
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2)						
3)						
4)						
1) SALE						
2)						
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4)						
Activity	Contact Name	Address	Telephone	Fax	Email	web site
ACTION GROUPS						
1)						
2)						
3)						
4)						
insert others as needed						

Activity	Contact Name	Address	Telephone	Fax	Email	web site
EXPERT GROUPS						
1) Geospatial Information Geodesy (GIANT)	Mr. Andrés Zakrajsek	Instituto Antártico Argentino (I.A.A.), Cerrito 1248 (C1010AAZ) Buenos Aires	54-11-4-812-6313	54-11-4-812-2086	afz@dna.gov.ar	
2) King George Island GIS Project (KGIS)	Dr. Rodolfo A. del Valle	Instituto Antártico Argentino (I.A.A.), Cerrito 1248 (C1010AAZ) Buenos Aires	54-11-4-815-4064	54-11-4-812-2086	delvalle@dna.gov.ar	
3) Geospatial Information Geographic Information	Mr. Andrés Zakrajsek	Instituto Antártico Argentino (I.A.A.), Cerrito 1248 (C1010AAZ) Buenos Aires	54-11-4-812-6313	54-11-4-812-2086	afz@dna.gov.ar	
4) Permafrost and Periglacial Environments (PPE)	Dr. Yevgueniy Yermolin	Instituto Antártico Argentino (I.A.A.), Cerrito 1248 (C1010AAZ) Buenos Aires	54-11-4-816-6821	54-11-4-816-6821	euermolin@dna.gov.ar ivgen52@yahoo.com	
5) Antarctic Digital Magnetic Anomaly Project (ADMAP)	Dr. Martha E. Ghidella	Instituto Antártico Argentino (I.A.A.), Cerrito 1248 (C1010AAZ) Buenos Aires	54-11-4-812-6313	54-11-4-812-2086	mghidella@dna.gov.ar	
6) Antarctic Neotectonics (ANTEC)	Dr. Martha E. Ghidella	Instituto Antártico Argentino (I.A.A.), Cerrito 1248 (C1010AAZ) Buenos Aires	54-11-4-812-6313	54-11-4-812-2086	mghidella@dna.gov.ar	
7) Ice Sheet Mass Balance and Sea Level (ISMASS)	Eng. Pedro Skvarca	Instituto Antártico Argentino (I.A.A.), Cerrito 1248 (C1010AAZ) Buenos Aires	54-11-4-816-6821	54-11-4-816-6821	glacio@dna.gov.ar	
insert others as needed						
JCADM						
1)	Prof. Diego R. Gómez Izquierdo (Alternate Delegate)	Instituto Antártico Argentino (I.A.A.), Cerrito 1248 (C1010AAZ) Buenos Aires	54-11-4-812-2086	54-11-4-812-2086	diegogi@dna.gov.ar	
NATIONAL ANTARCTIC DATA CENTRE						
Argentina Antarctic Data Center		Instituto Antártico Argentino (I.A.A.), Cerrito 1248 (C1010AAZ) Buenos Aires	54-11-4-812-2086	54-11-4-812-2086	cda@dna.gov.ar	
SCAR DATABASE						
insert name of database for which your country has responsibility						
Argentina Antarctic Data Center						

A BRIEF SUMMARY OF SCIENTIFIC HIGHLIGHTS:

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National Programs/Projects by Standing Scientific Group 2010-2011

Life Sciences

<i>Subject</i>	<i>Investigation</i>	<i>Locality</i>	<i>Duration</i>	<i>Principal Investigator</i>	<i>Address</i>
Ichtiology	Monitoring and Ecology of Antarctic fishes for their conservation	Jubany Base	2008-11	Dr. Esteban Barrera Oro	ebarreraoro@dna.gov.ar
Antarctic Cormoran	Reproductive and alimentary aspects of Antarctic and Georgias cormorans	Nelson island, Laurie island, Antarctic peninsula	2008-11	Dr. Ricardo Casaux	rcasaux@dna.gov.ar
Mammals	Reproductive and feeding ecology in Antarctic pinnipeds	Jubany Base	2007-10	Dr. Alejandro Carlini Bioq. Maria Marquez	mitsuki@dna.gov.ar
Antarctic birds	Predator-Prey interaction models between Antarctic birds and fish-crustaceans in Antarctic peninsula and Scotia Arc	Laurie, Nelson and 25 de Mayo (King George) islands	2007-10	Dr. Néstor Coria	ncoria@dna.gov.ar
Microbiological biodegradation	Development and optimization of bioremediation technologies for recovering soils exposed to hydrocarbon contamination in Antarctic regions	Jubany Base Marambio Base	2007-10	Dr. Walter Mac Cormack	wmac@huemul.ffyb.uba.ar

Ecology of benthonic communities	Antarctic benthonic communities: an interdisciplinary approach to analyse the possible impact of global warming	Potter cove	2007-10	Dr. Ricardo Sahade	rsahade@com.uncor.edu.ar
Microzooplankton	Marine microbial community and organic matter of Southern Patagonia ecosystem in water column and bottom sediments: their usefulness as environment indicators for water quality and productivity monitoring	Atlantic Sector of the Antarctic Ocean and South West Atlantic	2007-10	Dr. Viviana Alder	viviana_alder@yahoo.com
Microzooplankton	Ecological role and distributive patterns of planktonic microbial community of Southwestern Atlantic and Antarctic Ocean	Atlantic Sector of the Antarctic Ocean and South West Atlantic	2007-10	Dr. Viviana Alder	viviana_alder@yahoo.com
Animal physiology	Antioxidant status determination in Antarctic marine organisms. Impact of xenobiotics on key species of trophic chains	Jubany Base	2007-10	Dr. Martín Ansaldo	tincho@qb.fcen.uba.ar
Living Resources	DRAKE BIOSEAS-IPY	Austral Ocean	2007-10	Dr. Enrique Marschoff	marschoff@dna.gov.ar

Geosciences

<i>Subject</i>	<i>Investigation</i>	<i>Locality</i>	<i>Duration</i>	<i>Principal Investigator</i>	<i>Address</i>
Permafrost and GlobalChange: Geomorphological glacial, post-glacial processes and Recent-late Cenozoic vulcanism.	The Holocene landscape and climatic change along Patagonia – Antarctic Peninsula transect	Patagonia – Antarctic Peninsula	2008 - 11	Lic. J. A. Strelin	jestrelin@yahoo.com.ar
Paleontology of Vertebrates	Continental Vertebrates of late Cretaceous – Paleogene period of Antarctic Peninsula	James Ross Island, Antarctic Peninsula	2008-11	Dr. Marcelo Reguero	mreguero@netverk.com.ar
Paleontology	Cretaceous-Paleogene of Southern Patagonia: major biostratigraphic events	Antarctic Peninsula and Patagonia	2007-10	Dr. Silvia Césari	scesari@mcn.gov.ar
Geology and Paleontology of James Ross basin	Antarctic peninsula-Patagonia: keys of a lost connexion	Marambio Island	2007-10	Dr. Silvio Casadio	silvio63ar@yahoo.com.ar
Vulcanism	Vulcanism in the Trinity Peninsula group	Trinity Peninsula	2008-11	Rodolfo A.del Valle	delvalle@dna.gov.ar

Geology and Paleontology of James Ross Basin	Biostratigraphy and sedimentology of the Santonian-Maastrichtien of James Ross basin, Antarctica. Paleobiological and paleoenvironmental events	James Ross Island	2007-10	Dr. Eduardo Olivero	eolivero@satlink.com
Geophysics	Geophysical survey of the magmatic arc, northern of Antarctic Peninsula and its tectonic development	Shetland Islands	2007-10	Dr. Francisco Vilas	vilas@gl.fcen.uba.ar
Vulcanism of recent-late Cenozoic	Study and survey of active volcanos: Deception Island	Deception Island (South Shetland Island)	2007-10	Dr. Alberto T. Caselli	acaselli@gl.fcen.uba.ar
Stratigraphic Micropaleontology	Paleobiogeographical survey of microbios of Upper Cretaceous and Cenozoic in Antarctic peninsula and adjacent regions. Modification on their distribution due to climatic changes	Vega and James Ross Islands	2007-10	Dra. Andrea Graciela Concheyro	andrea@gl.fcen.uba.ar

Physical Sciences

<i>Subject</i>	<i>Investigation</i>	<i>Locality</i>	<i>Duration</i>	<i>Principal Investigator</i>	<i>Address</i>
Global Change	Permafrost and climatic changes in Antarctica	Antarctic Peninsula	2007-10	Dr. Yevgueniy Yermolin	eyermolin@dna.gov.ar

UV Radiation	Impact of the glacier retreat induced by global warming on benthonic macroalgae distribution in an Antarctic coastal ecosystem (Potter Cove, 25 de Mayo Island, South Shetland Island)	Jubany Base	2008-11	Dr. María Liliana Quartino	lquartino@dna.gov.ar
Sea Science	Impact of glacial melting on plankton, northern Antarctic peninsula	Jubany Base	2007-10	Dr. Irene Schloss	ischloss@dna.gov.ar
Solar radiation	Global, spectral, and biologic action solar radiations in Argentina and Antarctica	Antarctic Peninsula	2007-10	Dr. Ruben Piacentini	ruben@ifir.edu.ar
Climate	Climate-ice Interaction in Antarctic Peninsula and Southern Patagonia	Antarctic Peninsula and Southern Patagonia	2008-11	Eng. Pedro Skvarca	glacio@dna.gov.ar

Institutional activities

<i>Subject</i>	<i>Investigation</i>	<i>Locality</i>	<i>Duration</i>	<i>Principal Investigator</i>	<i>Address</i>
Sea Sciences	Echos Jubany Winter	Jubany Base	2010	Dr. Gustavo Ferreyra	gferreyra@dna.gov.ar
Life Sciences	Conservation and Monitoring of the Ecosystem - CCAMLR	Antarctic Sea	2010	Dr. Néstor Coria - Dr. Alejandro Carlini	ncoria@dna.gov.ar

Geosciences	Topographic, geologic and geophysical surveys (Spain)	Esperanza Base	2010	Dr. Rodolfo del Valle	delvalle@dna.gov.ar
Geosciences	Methane hydrates and sea ice monitoring	Weddell Sea	2010	Dr. Rodolfo del Valle	delvalle@dna.gov.ar
Geosciences	Antarctic Geodesy (Germany and USA)	Antarctic Sector	2010	Mr. Andrés Zakrajsek	afz@dna.gov.ar
Environmental Chemistry	Environmental monitoring of chemical pollutants	Jubany Base	2010	Dr. Cristian Vodopivec	quimica@dna.gov.ar
Museum	Snow Hill and Paulet island museum	Snow Hill and Paulet island	2010	Lic. Veronica del Valle	museoantar@dna.gov.ar
Geosciences	Maintain of stations and recovery of meteorological data	Antarctic Peninsula	2010	Eng. Pedro Svkarca	glacio@dna.gov.ar
Geosciences	White Genoma Project IAA-BIOSIDUS	Antarctic Sector	2010	Dr. Sergio Marensi	smarensi@dna.gov.ar
Sea Sciences	Technological Development	Antarctic Peninsula	2010	Eng. Eduardo D. Calviño	edcalvino@dna.gov.ar
Geophysics	Antarctic seismological network	Antarctic Sector	2010	Mr. Andrés Zakrajsek	afz@dna.gov.ar
Physical and Chemical Sciences	Magnetosphere	San Martin and Belgrano Stations	2010	Eng. Eduardo D. Calviño	edcalvino@dna.gov.ar
Physical and Chemical Sciences	Atmospheric ozone	Antarctic stations	2010	Eng. Eduardo D. Calviño -	edcalvino@dna.gov.ar

Physical and Chemical Sciences	Greenhouse effect	Jubany Base	2010	Eng. Eduardo D. Calviño	edcalvino@dna.gov.ar
Physical Sciences	"Paradise Bay" multidisciplinary programme	Brown Station	2010	Lic. G. Tosonotto	gtosonotto@dna.gov.ar
Physical Sciences	Alternative energy Development	Esperanza Base	2010	Dr. Sergio Marensi	smarensi@dna.gov.ar

Permanent observatories, standard observations and long-term monitoring programmes

Marambio station (Marambio Antarctic Meteorological Center)

Activity	Responsible Authority or Investigator
Meteorological observations of following parameters: Pressure, Temperature, Moisture, Wind (Direction and intensity), Clouds (Number, type and height), Visibility, Soil status, Snow height, precipitations, heliophany, special phenomena observation (noctilucent clouds, auroras, optical phenomena, soil temperature, sea ice.	SMN (National Meteorological Service, Antarctic Department)
Height observations (radio sounding, radio wind). Daily observations of temperature, pressure, moisture, wind in altitude	SMN (National Meteorological Service, Antarctic Department)

Solar radiation observations. Global solar radiation daily. Ultraviolet solar radiation	SMN (National Meteorological Service, Antarctic Department)
Atmospheric Ozone radiation. Total ozone, Dobson spectrophotometer. Vertical profile: ozone sounding, two weekly, June-December, other two monthly.	SMN (National Meteorological Service, Antarctic Department)
Observation and measurement of pollutants and atmospheric aerosols	SMN (National Meteorological Service, Antarctic Department)
Meteorological forecast, support to aviation, maritime sailing. Daily observations and storm warnings for Antarctic Argentine Sector. Bulletins for radiobroadcasting	SMN (National Meteorological Service, Antarctic Department)

Orcadas Station (Geomagnetical and Meteorological Observatory, South Orkney)

Meteorological observations every 3 hours of following parameters: Pressure, Temperature, Moisture, Wind (Direction and intensity), Clouds (Number, type and height), Visibility, Soil status, Snow height, precipitations, heliophany, special phenomena observation (noctilucent clouds, auroras, sea glace). Glaciological observations	SMN (National Meteorological Service, Antarctic Department)
Geomagnetical observations. Normal photographic record of D, H, and Z compounds. Absolute observations. Magnetogrammes.	SMN (National Meteorological Service, Antarctic Department)

San Martin Station

Meteorological observations every 3 hours of following parameters: Pressure, Temperature, Moisture, Wind (Direction and intensity), Clouds (Number, type and height), Visibility, Soil status, Snow height, precipitations, heliophany, special phenomena observation (noctilucent clouds, auroras, sea glace). Glaciological observations

SMN (National Meteorological Service, Antarctic Department)

Jubany Station

Meteorological observations every 3 hours of following parameters: Pressure, Temperature, Moisture, Wind (Direction and intensity), Clouds (Number, type and height), Visibility, Soil status, Snow height, precipitations, heliophany, special phenomena observation (noctilucent clouds, auroras, sea glace). Glaciological observations

SMN (National Meteorological Service, Antarctic Department)

Esperanza Station

Meteorological observations every 3 hours of following parameters: Pressure, Temperature, Moisture, Wind (Direction and intensity), Clouds (Number, type and height), Visibility, Soil status, Snow height, precipitations, heliophany, special phenomena observation (noctilucent clouds, auroras, sea glaze). Glaciological observations	SMN (National Meteorological Service, Antarctic Department)
Climatological statistics of Argentine Stations	SMN (National Meteorological Service, Antarctic Department)
G.A.W. Project. Climatic Change Studies	SMN (National Meteorological Service, Antarctic Department)
G. COS Project. Global Change Survey	SMN (National Meteorological Service, Antarctic Department)
Survey of Austral Ozone Layer	SMN (National Meteorological Service, Antarctic Department)
G.A.W. Project. Climatic Change Studies	SMN (National Meteorological Service, Antarctic Department)
Survey of Pollutants and Atmospheric Aerosols	SMN (National Meteorological Service, Antarctic Department)