

MEMBER COUNTRY: ARGENTINA

National Report to SCAR for year:

2012 – 2013

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)						
3)						
4)						

Activity	Contact Name	Address	Telephone	Fax	Email	web site
Scientific Research Program						
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	
1)						
2)						
3)						
4)						
AGCS						
1)						
2)						
3)						
4)						
EBA						
1)						
2)						
3)						
4)						
ICESTAR						
1)						
2)						
3)						
4)						
SALE						
1)						
2)						
3)						
4)						
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	
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 FOLLOWS:						

National Programs/Projects by Standing Scientific Group 2012-2013

Life Sciences

<i>Subject</i>	<i>Investigation</i>	<i>Locality</i>	<i>Duration</i>	<i>Principal Investigator</i>	<i>Address</i>
Ichthyology	Ichthyology: Monitoring and general ecology of Antarctic fishes in Scotia Arc, applied to resources conservation.	Carlini (ex Jubany) Base	2011 - 15	Dr. Esteban Barrera Oro	ebarreraoro@dna.gov.ar
Antarctic Cormoran	Study of reproductive and alimentary aspects of the Antarctic (<i>Phalacrocorax Bransfieldensis</i>) and South Georgia (<i>P. Georgianus</i>) shags: identification of utility parameters to monitor environmental changes in littoral Antarctic ecosystems.	Nelson island, Laurie island, Antarctic peninsula	2011 - 15	Dr. Ricardo Casaux	rcasaux@dna.gov.ar
Mammals	Energy acquisition, prey type and potential responses of pinnipeds to climatic anomalies and sea ice extent in the Antarctic Peninsula region and the Scotia Arc.	Carlini (ex Jubany) Base	2011 - 15	Bioq. Maria Marquez	mitsuki@dna.gov.ar
Antarctic birds	Response of Antarctic bird populations in relation to interannual variability in their preys on areas with evident global warming effects	Laurie, Nelson and 25 de Mayo (King George) islands	2011 - 15	Dr. Néstor Coria	ncoria@dna.gov.ar
Microbiological biodegradation	Analysis of some biological factors conditioning the efficacy of biostimulation and bio-increase strategies in Antarctic environments polluted by hydrocarbons.	Carlini (ex Jubany) Base Marambio Base	2011 - 15	Dr. Walter Mac Cormack	wmac@huemul.ffyb.uba.ar

<i>Subject</i>	<i>Investigation</i>	<i>Locality</i>	<i>Duration</i>	<i>Principal Investigator</i>	<i>Address</i>
Ecology of benthonic communities	Climate change process in Antarctica, their effects on a coastal ecosystem.	Potter cove	2011 - 15	Dr. Ricardo Sahade	rsahade@com.uncor.edu.ar
Phytogeography	Phytogeography of Deschampsia Antarctica through molecular, morphological, and charological studies: a window to past under change scenarios.	Carlini (ex Jubany) Base Marambio Base	2011 - 15	Dr. Chiapella, Jorge	jorge.chiapella@gmail.com
Sea Science	Monitoring of Antarctic and Subantarctic marine plankton.	Potter cove	2011 – 15	Dra. Alder, Viviana	viviana_alder@yahoo.com
Animal physiology	Coastal biomonitoring: Global change and xenobiotic effects on key species of Antarctic trophic chains.	Carlini (ex Jubany) Base	2011 - 15	Dr. Martín Ansaldo	tincho@qb.fcen.uba.ar
Antarctic Bird	Migration route and its relationship with the nutritional state of South Polar skua (Stercorarius Maccormicki)	Carlini (ex Jubany) Base	2011 - 15	Dr. Montalti, Diego.	dmontalti@fcnym.unlp.edu.ar
Sea Science	Monitoring of euphasiid larvae from Weddell - Scotia confluence	Weddell - Scotia confluence	2011-15	Dr. Marschoff, Enrique	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.	Geomorphology and Glacial Geology of James Ross archipelago and South Shetland islands, northern area of Antarctic Peninsula.	Patagonia – Antarctic Peninsula	2011 - 15	Lic. J. A. Strelin	jstrelin@yahoo.com.ar
Paleontology of Vertebrates	Weddelian Province vertebrates from late Cretaceous-Tertiary transition of Antarctic Peninsula and Southern extreme of Patagonia (50th parallel south)	James Ross Island, Antarctic Peninsula	2011 - 15	Dr. Marcelo Reguero	mreguero@netverk.com.ar
Paleomagnetic	Paleomagnetic and environmental magnetism studies in the Holocene, recorded in soils and lake sediments in the northeast Antarctic Peninsula.	James Ross Island, Antarctic Peninsula	2011 - 15	Dr. Chaparro, Marcos	chapator@exa.unicen.edu.ar
Paleontology	Paleontology and paleoecology of Cenozoic diamictitic deposits of the James Ross basin, Antarctic biote adaptations to a changing climate	James Ross Island, Antarctic Peninsula	2011 - 15	Dra. Andrea Concheyro.	aconcheyro@hotmail.com
Permafrost-hydrogeology and climate change	Characteristics in the permafrost-hydrogeology and climate change influence in areas with cryopeg and talik in the northern of Antarctic Peninsula.	Northern of Antarctic Peninsula	2011 - 15	Dr. Eugenio Yermolin.	ivgen52@yahoo.com
Geology and Paleontology of James Ross Basin	Magnetostratigraphy and biostratigraphy of the Santonian-Maastrichtian from the James Ross basin, Antarctica.	James Ross Island	2011-15	Dr. Eduardo Olivero	eolivero@satlink.com

<i>Subject</i>	<i>Investigation</i>	<i>Locality</i>	<i>Duration</i>	<i>Principal Investigator</i>	<i>Address</i>
GlobalChange	Changes induced by climate warming on glaciers, on permafrost and on sedimentation dynamics of coastal environments in the north of Antarctic Peninsula.	Northern of Antarctic Peninsula	2011-15	Dr. del Valle, Rodolfo	kings_foil@hotmail.com
Vulcanism of recent-late Cenozoic	Volcanological and geomorphological study of active volcanoes in Antarctica and Los Andes.	Deception Island (South Shetland Island)	2011-15	Dr. Alberto T. Caselli	acaselli@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>
Environmental Chemistry	Persistent organic pollutants and trace elements in biotic and abiotic matrices of the Antarctic environment	Carlini (ex Jubany) Base	2011-15	Dr. Curtosi, Antonio	tonicur@yahoo.com
UV Radiation	Effects of global change on benthic marine algae communities from Potter cove (South Shetlands, Antarctica)	Carlini (ex Jubany) Base	2011-15	Dr. María Liliana Quartino	lquartino@dna.gov.ar
Sea Science	Effects combined of temperature increase and salinity decrease on coastal communities in polar ecosystems.	Carlini (ex Jubany) Base	2011-15	Dr. Irene Schloss	ischloss@dna.gov.ar

Institutional activities

<i>Subject</i>	<i>Investigation</i>	<i>Locality</i>	<i>Duration</i>	<i>Principal Investigator</i>	<i>Address</i>
Life Sciences					
Ecology	Conservation and Monitoring of the Ecosystem - CCAMLR	Antarctic Sea	2012-13	Dr. Néstor Coria – Dr. Enrique Marschoff.	ncoria@dna.gov.ar
Global change	Global change effect on physiological parameters of Antarctic penguins: <i>Pygoscelis antarctica</i> , <i>Pygoscelis papua</i> and <i>Pygoscelis adeliae</i>	Esperanza Station	2012-13	Lic. Di Fonzo, Carla	carladifonzo@yahoo.com.ar
Antarctic birds	Composition of Adélie and Gentoo penguin diet in Stranger point: seasonal, geographic and interspecific comparison	Carlini (ex Jubany) Station	2012-13	Lic. Juárez, Mariana	marianajuarez@hotmail.com
Antarctic krill	Impact of fisheries on Antarctic krill availability (<i>Euphausia superba</i>) to top predators from Scotia Arc islands	Orcadas Station	2012-13	Dra. Rombolá, Emilce	rombola_emilce@hotmail.com
Antarctic birds	Influence of the utilization of space and alimentary resources on the nutritional state and reproductive success of Antarctic skuas	Carlini (ex Jubany) Station	2012-13	Lic. Grilli, Maricel	jmennu@hotmail.com
Sea Science	Diversity and life cycles of Antarctic fishes through morphological and molecular techniques: a conservationist approach.	Antarctic Sea	2012-13	Dr. Díaz de Astarloa, Juan	ssantillana@dna.gov.ar
Sea Science	Oceanographic surveys in the south of parallel 55° S with special reference to Drake passage, Shetland islands and Bellingshausen sea: studies of chemical and biological processes	Antarctic Sea	2012-13	Dr. Esteves José	ssantillana@dna.gov.ar

<i>Subject</i>	<i>Investigation</i>	<i>Locality</i>	<i>Duration</i>	<i>Principal Investigator</i>	<i>Address</i>
Ichthyology	Genetics, energetics and stable isotopes of Subantarctic and Antarctic notothenids.	Antarctic Sea	2012-13	Dr. Fernandez, Daniel	ssantillana@dna.gov.ar
Molluscs	Morphology and ultrastructure of the reproductive system and digestive gland in marine molluscs. Sperm morphology and systematic and phylogenetic importance.	Antarctic Sea	2012-13	Dra. Gimenez, Juliana	ssantillana@dna.gov.ar
Marine bird	Monitoring of pelagic marine bird communities in the Weddell-Scotia confluence, Antarctica	Antarctic Sea	2012-13	Dr. Orgeira, José	ssantillana@dna.gov.ar
Ecology	Ecology and conservation of birds and marine mammals	Antarctic Sea	2012-13	Dra. Raya Rey, Andrea	ssantillana@dna.gov.ar
Taphonomy	Study of an association of mummified seals in Bodman cape, Marambio (Seymour) island: age, taphonomy and pathological analysis	Marambio (Seymour) island	2012-13	Dr. Negrete, Javier	negretejavi@hotmail.com
Benthic suspensivore organisms	Systematics, biogeography, and macro-epibiotic associations in benthic suspensivore organisms (ascidians and pennatulaceans) in a latitudinal and bathymetric gradient.	Antarctic Sea	2012-13	Dr. Tatián, Marcos	ssantillana@dna.gov.ar
Geosciences					
Earth sciences	Aerogeophysics IceGrav	Antarctic Peninsula	2012-13	Dra. Ghidella, Marta	mghidella@dna.gov.ar
Glaciology	Mass balance, glacier monitoring, and climatic data collection in Antarctic Peninsula and Southern Patagonia	Antarctic Peninsula	2012-13	Eng. Pedro Svkarca	glacio@dna.gov.ar

<i>Subject</i>	<i>Investigation</i>	<i>Locality</i>	<i>Duration</i>	<i>Principal Investigator</i>	<i>Address</i>
Geophysics	Antarctic seismological network	Antarctic Sector	2012-13	Dra. Roucco, Maria	palmerasoleada@yahoo.com.ar
Antarctic Geodesy	Antarctic Geodesy (Germany and USA)	Antarctic Sector	2012-13	Mr. Andrés Zakrajsek	afz@dna.gov.ar
Software	Software development to processing and analysis of satellite images and ice radar measurements, applied to glacier surveys	James Ross Island Group	2012-13	Ing. Marinsek, Sebastian	smarinsek@dna.gov.ar
Geophysics	Geophysical and geological study applied to the research of major transcurrent faults of the extreme south of South America and NW of Scotia plate. Relationship between tectonics, seismicity and paleoclimate	Antarctic Sea	2012-13	Dr. Tassone, Alejandro	ssantillana@dna.gov.ar
Physical Sciences					
Cosmic ray	LAGO Antarctica	Marambio (Seymour) island	2012-13	Dr.Dasso; Dra Gulisano	agulisano@dna.gov.ar
Physical and Chemical Sciences	Magnetosphere	San Martin and Belgrano Stations	2012-13	Eng. Eduardo D. Calviño	edcalvino@dna.gov.ar
Physical and Chemical Sciences	Atmospheric ozone	Antarctic stations	2012-13	Eng. Eduardo D. Calviño -	edcalvino@dna.gov.ar
Physical and Chemical Sciences	Greenhouse effect	Carlini (ex Jubany) Station	2012-13	Eng. Eduardo D. Calviño	edcalvino@dna.gov.ar

<i>Subject</i>	<i>Investigation</i>	<i>Locality</i>	<i>Duration</i>	<i>Principal Investigator</i>	<i>Address</i>
Cosmic ray	Cosmic ray Dosimetry	Antarctic Peninsula	2012-13	Eng. Eduardo D. Calviño and Dr. Ciancio, Vicente	edcalvino@dna.gov.ar
Environmental Chemistry	Environmental monitoring of chemical pollutants	Carlini (ex Jubany) Station	2012-13	Dr. Cristian Vodopivec	quimica@dna.gov.ar
Environmental Chemistry	Biogeochemical characterization in Esperanza station and north of Antarctic Peninsula, Argentina	Esperanza Station	2012-13	Dra. Chiarandini, Jessica	jchiarandini@hotmail.com
Atmosphere sciences	Determination of COSVs and COPs in air	Antarctic Sea	2012-13	Dr. Arguello, Gustavo	ssantillana@dna.gov.ar
Atmosphere sciences	Synthesis, Kinetic spectroscopy and photochemistry of environmental relevance compounds	Antarctic Sea	2012-13	Dr. Arguello, Gustavo	ssantillana@dna.gov.ar
Atmosphere sciences	Validation of variables of the Climatic System in global ocean	Antarctic Sea	2012-13	Dra. Salio Paola	ssantillana@dna.gov.ar
Oceanograph	Physical oceanography - Carlini station	Carlini (ex Jubany) Station	2012-13	Lic. G. Tosonotto	gtosonotto@dna.gov.ar
Museum	Conservation of historical shelters	Snow Hill and Paulet island	2012-13	Lic. Veronica del Valle	museoantar@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)
--	---

Carlini (ex 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)