

MEMBER COUNTRY: ARGENTINA

National Report to SCAR for year:

2014 – 2015

Activity	Contact Name	Address	Telephone	Fax	Email	web site
National SCAR Committee						
SCAR Delegates						
1) Delegate	Dr. Néstor Coria	Instituto Antártico Argentino (I.A.A.), Av. 25 de Mayo. San Martín. Provincia de Buenos Aires (CP1650)	54-11-2033-1400 int 6105	54-11-4-331-2903	ncoria@dna.gov.ar	www.dna.gov.ar
2) Alternate Delegate	Dr. Viviana Alder	Instituto Antártico Argentino (I.A.A.), Av. 25 de Mayo. San Martín. Provincia de Buenos Aires (CP1650)	54-11-2033-1400 int 6105	54-11-4-331-2903	viviana_alder@yahoo.com	
Standing Scientific Groups						
Life Sciences						
1)	Dr. Néstor R. Coria	Instituto Antártico Argentino (I.A.A.), Av. 25 de Mayo. San Martín. Provincia de Buenos Aires (CP1650)	54-11-2033-1400 int 6105	54-11-4-331-2903	ncoria@dna.gov.ar	
2)	Dr. Mariano A. Memolli	Dirección Nacional del Antártico (D.N.A.), Balcarce 290 (C1064AAF) Buenos Aires	54-11-4-331-2900	54-11-4-331-2903	dna@dna.gov.ar	
3)						
4)						
Geosciences						
1)	Dr. Rodolfo A. del Valle	Instituto Antártico Argentino (I.A.A.), Av. 25 de Mayo. San Martín. Provincia de Buenos Aires (CP1650)	54-11-2033-1400 int 6105	54-11-4-331-2903	delvalle@dna.gov.ar	
2)	Dr. Martha E. Ghidella	Instituto Antártico Argentino (I.A.A.), Av. 25 de Mayo. San Martín. Provincia de Buenos Aires (CP1650)	54-11-2033-1400 int 6105	54-11-4-331-2903	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)						
2)						
3)						
4)						

Activity	Contact Name	Address	Telephone	Fax	Email	web site
Scientific Research Program						
AAA						
AntEco						
AnT-ERA						
AntClim21						
PAIS						
SERCE						
ACTION GROUPS						
EXPERT GROUPS						
1) Geospatial Information Geodesy (GIANT)	Mr. Andrés Zakrajsek	Instituto Antártico Argentino (I.A.A.), Av. 25 de Mayo. San Martín. Provincia de Buenos Aires (CP1650)	54-11-2033-1400 int 6105	54-11-4-331-2903	afz@dna.gov.ar	
2) King George Island GIS Project (KGIS)	Dr. Rodolfo A. del Valle	Instituto Antártico Argentino (I.A.A.), Av. 25 de Mayo. San Martín. Provincia de Buenos Aires (CP1650)	54-11-2033-1400 int 6105	54-11-4-331-2903	delvalle@dna.gov.ar	
3) Geospatial Information Geographic Information	Mr. Andrés Zakrajsek	Instituto Antártico Argentino (I.A.A.), Av. 25 de Mayo. San Martín. Provincia de Buenos Aires (CP1650)	54-11-2033-1400 int 6105	54-11-4-331-2903	afz@dna.gov.ar	
4) Permafrost and Periglacial Environments (PPE)	Dr. Yevgueniy Yermolin	Instituto Antártico Argentino (I.A.A.), Av. 25 de Mayo. San Martín. Provincia de Buenos Aires (CP1650)	54-11-2033-1400 int 6105	54-11-4-331-2903	euermolin@dna.gov.ar ivgen52@yahoo.com	
5) Antarctic Digital Magnetic Anomaly Project (ADMAP)	Dr. Martha E. Ghidella	Instituto Antártico Argentino (I.A.A.), Av. 25 de Mayo. San Martín. Provincia de Buenos Aires (CP1650)	54-11-2033-1400 int 6105	54-11-4-331-2903	mghidella@dna.gov.ar	
6) Antarctic Neotectonics (ANTEC)	Dr. Martha E. Ghidella	Instituto Antártico Argentino (I.A.A.), Av. 25 de Mayo. San Martín. Provincia de Buenos Aires (CP1650)	54-11-2033-1400 int 6105	54-11-4-331-2903	mghidella@dna.gov.ar	
7) GRAPE (GNSS Research and Application for Polar Environment) is a joint GeoSciences and Physical Sciences Expert Group	Dra. Adriana Gulisano	Instituto Antártico Argentino (I.A.A.), Av. 25 de Mayo. San Martín. Provincia de Buenos Aires (CP1650)	54-11-2033-1400 int 6105	54-11-4-331-2903	adrianagulisano@gmail.com	

SCADM						
1)	Lic. Diego R. Gómez Izquierdo	Instituto Antártico Argentino (I.A.A.), Av. 25 de Mayo. San Martín. Provincia de Buenos Aires (CP1650)	54-11-2033-1400 int 6105	54-11-4-331-2903	diegogi@dna.gov.ar	
NATIONAL ANTARCTIC DATA CENTRE						
Argentina Antarctic Data Center		Instituto Antártico Argentino (I.A.A.), Av. 25 de Mayo. San Martín. Provincia de Buenos Aires (CP1650)	54-11-2033-1400 int 6105	54-11-4-331-2903	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 2014-2015

Life Sciences

<i>Subject</i>	<i>Investigation</i>	<i>Locality</i>	<i>Duration</i>	<i>Principal Investigator</i>	<i>Address</i>
Ichtiology	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
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 biota 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
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	2014-15	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	2014-15	Lic. Di Fonzo, Carla	carladifonzo@yahoo.com.ar
Antarctic krill	Impact of fisheries on Antarctic krill availability (<i>Euphausia superba</i>) to top predators from Scotia Arc islands	Orcadas Station	2014-15	Dra. Rombolá, Emilce	rombola_emilce@hotmail.com
Marine bird	Monitoring of pelagic marine bird communities in the Weddell-Scotia confluence, Antarctica	Antarctic Sea	2014-15	Dr. Orgeira, José	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	2014-15	Dr. Negrete, Javier	negretejavi@hotmail.com
Geosciences					
Earth sciences	Aerogeophysics IceGrav	Antarctic Peninsula	2014-15	Dra. Ghidella, Marta	mghidella@dna.gov.ar

Glaciology	Mass balance, glacier monitoring, and climatic data collection in Antarctic Peninsula and Southern Patagonia	Antarctic Peninsula	2014-15	Eng. Marinsek, Sebastian	glacio@dna.gov.ar
Geophysics	Antarctic seismological network	Antarctic Sector	2014-15	Dra. Roucco, Maria	palmerasoleada@yahoo.com.ar
Antarctic Geodesy	Antarctic Geodesy (Germany and USA)	Antarctic Sector	2014-15	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	2014-15	Eng. Marinsek, Sebastian	smarinsek@dna.gov.ar
Physical Sciences					
Cosmic ray	LAGO Antarctica	Marambio (Seymour) island	2014-15	Dr.Dasso; Dra Gulisano	agulisano@dna.gov.ar
Physical and Chemical Sciences	Magnetosphere	San Martin and Belgrano Stations	2014-15	Dra Gulisano , Eng. Eduardo D. Calviño	edcalvino@dna.gov.ar
Physical and Chemical Sciences	Atmospheric ozone	Antarctic stations	2014-15	Dra Gulisano , Eng. Eduardo D. Calviño	edcalvino@dna.gov.ar
Physical and Chemical Sciences	Greenhouse effect	Carlini (ex Jubany) Station	2014-15	Dra Gulisano , Eng. Eduardo D. Calviño	edcalvino@dna.gov.ar
Cosmic ray	Cosmic ray Dosimetry	Antarctic Peninsula	2014-15	Dra Gulisano , Eng. Eduardo D. Calviño	edcalvino@dna.gov.ar

Environmental Chemistry	Environmental monitoring of chemical pollutants	Carlini (ex Jubany) Station	2014-15	Dr. Cristian Vodopivec	quimica@dna.gov.ar
Oceanograph	Physical oceanography - Carlini station	Carlini (ex Jubany) Station	2014-15	Lic. G. Tosonotto	gtonotto@dna.gov.ar
Museum	Conservation of historical shelters	Snow Hill and Paulet island	2014-15	Lic. Veronica del Valle	museoantar@dna.gov.ar

Permanent observatories, standard observations and long-term monitoring programmes

Activity	Responsible Authority or Investigator
Marambio station (Marambio Antarctic Meteorological Center)	
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 glaze). 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 glaze). 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 glaze). 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)