

REPÚBLICA ARGENTINA

**INFORME NACIONAL PRESENTADO A LA ASOCIACIÓN INTERNACIONAL DE
GEOFÍSICA Y GEODESIA**

**XXVII ASAMBLEA GENERAL DE LA UNIÓN GEODÉSICA
Y GEOFÍSICA INTERNACIONAL – UGGI –**

Montreal – Canada- 8 de Julio - 18 de Julio, 2019



ARGENTINA

**NATIONAL REPORT PRESENTED TO THE
INTERNATIONAL UNION OF GEODESY AND GEOPHYSICS
XXVII GENERAL ASSEMBLY OF THE
INTERNATIONAL UNION OF GEODESY AND GEOPHYSICS
– IUGG –**

Montreal - Canada, 8 - 18 July, 2019

*COMITÉ NACIONAL DE LA UNIÓN GEODÉSICA Y GEOFÍSICA
INTERNACIONAL
NATIONAL COMMITTEE OF THE INTERNATIONAL UNION OF GEODESY AND
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(CNUGGI)



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*The main function of the IUGG National Committee is representing the Union in
Argentina.*

*It is chaired by the National Geographic Institute President, and assisted by two Vice
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GENERAL INDEX

		Page
1.	IAVCEI	 5
2.	IACS	 31
3.	IAGA	 60
4.	IAMAS	 70
5.	IAG	 International Association of Geodesy 87
6.	IAPSO	 104
7.	IASPEI	 123
8.	IASH	 138



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**Subcomité Nacional de la Asociación Internacional
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- ◆ *Most of them carried their research work on Volcanology, Igneous Petrology and Geochemistry at different national institutes, centres, laboratories and universities.*
- ◆ *Therefore, the present National Report has been organised in order to include the most relevant activities of Members. The reported activities are listed by individual researchers as follow.*

INDEX

	Page
Centre, Institute, University, etc.	
1. UBA-FCEyN-Departamento de Geología (<i>University of Buenos Aires-Geology Department</i>)	8
2. CENPAT: Centro Nacional Patagónico, CONICET (<i>National Patagonic Center</i>)	13
3. INIBIOMA: Instituto de Investigaciones en Biodiversidad y Medio Ambiente, CONICET (<i>Research Institute of Biodiversity and Environment</i>)	14
4. INGEOSUR: Instituto Geológico del Sur y Departamento de Geología-Universidad Nacional del Sur (<i>Southern Geological Institute - Department of Geology - National South University</i>)	15
5. CICTERRA: Centro de Investigaciones en Ciencias de la Tierra (CICTERRA) y Facultad de Ciencias Exactas, Físicas y Naturales – UNC (<i>Research Center in Earth Sciences</i>)	16
6. CONICET - Unidad Organizativa 08638 Instituto de Geología y Minería-Universidad Nacional de Jujuy (<i>Geology and Mining Institute</i>)	17
7. SEGEMAR (<i>Geological Survey of Argentina</i>)	19
8. CIG Centro de Investigaciones Geológicas - Universidad Nacional de La Plata. (<i>Center for Geological Research</i>)	22
9. Museo Argentino de Ciencias Naturales "Bernardino Rivadavia" (<i>National Museum of Natural Sciences "Bernardino Rivadavia"</i>)	25
10. INGEIS (<i>Institute of Geochronology and Isotope Geology</i>)	26
11. Universidad Nacional de Salta – GEONORTE (<i>National University of Salta -GEONORTE</i>)	27
12. Universidad Nacional de La Rioja –INGEREN (<i>National University of La Rioja – INGEREN</i>)	28
13. Universidad Nacional de Río Negro –LESVA (<i>National University of Río Negro-Active Volcanoes Study and Monitoring Laboratory</i>)	29

**ARGENTINE NATIONAL REPORT 2015-2019
XXVII IUGG GENERAL ASSEMBLY
Montreal, Canada**



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ARGENTINE NATIONAL REPORT 2015-2019
XXVII IUGG GENERAL ASSEMBLY
Montreal, Canada



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ARGENTINE NATIONAL REPORT 2015-2019
XXVII IUGG GENERAL ASSEMBLY
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**ARGENTINE NATIONAL REPORT 2015-2019
XXVII IUGG GENERAL ASSEMBLY
Montreal, Canada**



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**ARGENTINE NATIONAL REPORT 2015-2019
XXVII IUGG GENERAL ASSEMBLY
Montreal, Canada**



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ARGENTINE NATIONAL REPORT 2015-2019
XXVII IUGG GENERAL ASSEMBLY
Montreal, Canada



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**ARGENTINE NATIONAL REPORT 2015-2019
XXVII IUGG GENERAL ASSEMBLY
Montreal, Canada**



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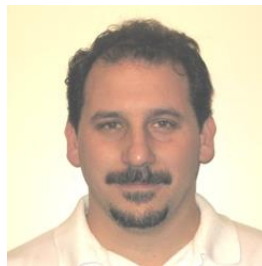
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**ARGENTINE NATIONAL REPORT 2015-2019
XXVII IUGG GENERAL ASSEMBLY
Montreal, Canada**



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**ARGENTINE NATIONAL REPORT 2015-2019
XXVII IUGG GENERAL ASSEMBLY
Montreal, Canada**



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ARGENTINE NATIONAL REPORT 2015-2019
XXVII IUGG GENERAL ASSEMBLY
Montreal, Canada



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**ARGENTINE NATIONAL REPORT 2015-2019
XXVII IUGG GENERAL ASSEMBLY
Montreal, Canada**



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**ARGENTINE NATIONAL REPORT 2015-2019
XXVII IUGG GENERAL ASSEMBLY
Montreal, Canada**



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**ARGENTINE NATIONAL REPORT 2015-2019
XXVII IUGG GENERAL ASSEMBLY
Montreal, Canada**



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ARGENTINE NATIONAL REPORT 2015-2019
XXVII IUGG GENERAL ASSEMBLY
Montreal, Canada



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ARGENTINE NATIONAL REPORT 2015-2019
XXVII IUGG GENERAL ASSEMBLY
Montreal, Canada



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ARGENTINE NATIONAL REPORT 2015-2019
XXVII IUGG GENERAL ASSEMBLY
Montreal, Canada



8.- Centro de Investigaciones Geológicas
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ARGENTINE NATIONAL REPORT 2015-2019
XXVII IUGG GENERAL ASSEMBLY
Montreal, Canada



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ARGENTINE NATIONAL REPORT 2015-2019
XXVII IUGG GENERAL ASSEMBLY
Montreal, Canada



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**ARGENTINE NATIONAL REPORT 2015-2019
XXVII IUGG GENERAL ASSEMBLY
Montreal, Canada**



**MUSEO ARGENTINO DE CIENCIAS NATURALES
"BERNARDINO RIVADAVIA"**



9.-Museo Argentino de Ciencias Naturales "Bernardino Rivadavia"

National Museum of Natural Sciences "Bernardino Rivadavia"



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**ARGENTINE NATIONAL REPORT 2015-2019
XXVII IUGG GENERAL ASSEMBLY
Montreal, Canada**



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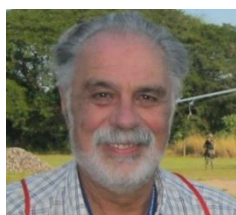
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XXVII IUGG GENERAL ASSEMBLY
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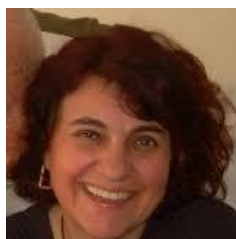
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**ARGENTINE NATIONAL REPORT 2015-2019
XXVII IUGG GENERAL ASSEMBLY
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**ARGENTINE NATIONAL REPORT 2015-2019
XXVII IUGG GENERAL ASSEMBLY
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**ARGENTINE NATIONAL REPORT 2015-2019
XXVII IUGG GENERAL ASSEMBLY
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ARGENTINE NATIONAL REPORT 2015-2019
XXVII IUGG GENERAL ASSEMBLY
Montreal, Canada

INDEX

Centre, Institute, University, etc.	Page
Instituto Argentino de Nivología, Glaciología y Ciencias Ambientales (IANIGLA).	34
Universidad de Cuyo	40
BGC Engineering Inc.-San Juan	43
Universidad Nacional de San Juan (UNSJ).	44
Universidad Nacional de la Patagonia, San Juan Bosco (UNPSJB). <i>Water Resources Agency. Secretary of Sustainable Development and Environment, Tierra del Fuego, Argentina.</i>	46
Centro de Investigaciones en Ciencias de la Tierra, CICTERRA, Universidad Nacional de Córdoba	47
Servicio de Hidrografía Naval (SHN)	48
Instituto de Investigaciones de Alta Montaña de la Universidad Católica de Salta	52
Fundación Miguel Lillo – Instituto de Geología del Cuaternario y Paleoclimas – Dirección de Geología	53
Instituto Antártico Argentino, Dirección Nacional del Antártico	55
Instituto Nacional del Agua	58
Comisión Nacional de Energía Atómica (CNEA)	59

ARGENTINE NATIONAL REPORT 2015-2019
XXVII IUGG GENERAL ASSEMBLY
Montreal, Canada

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ARGENTINE NATIONAL REPORT 2015-2019
XXVII IUGG GENERAL ASSEMBLY
Montreal, Canada

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XXVII IUGG GENERAL ASSEMBLY
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XXVII IUGG GENERAL ASSEMBLY
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**ARGENTINE NATIONAL REPORT 2015-2019
XXVII IUGG GENERAL ASSEMBLY
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XXVII IUGG GENERAL ASSEMBLY
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XXVII IUGG GENERAL ASSEMBLY
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XXVII IUGG GENERAL ASSEMBLY
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XXVII IUGG GENERAL ASSEMBLY
Montreal, Canada**



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XXVII IUGG GENERAL ASSEMBLY
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XXVII IUGG GENERAL ASSEMBLY
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XXVII IUGG GENERAL ASSEMBLY
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XXVII IUGG GENERAL ASSEMBLY
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XXVII IUGG GENERAL ASSEMBLY
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XXVII IUGG GENERAL ASSEMBLY
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XXVII IUGG GENERAL ASSEMBLY
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XXVII IUGG GENERAL ASSEMBLY
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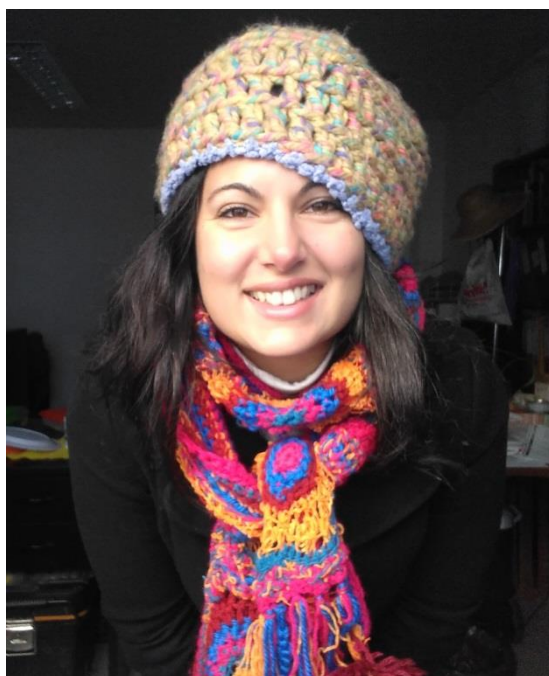
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XXVII IUGG GENERAL ASSEMBLY
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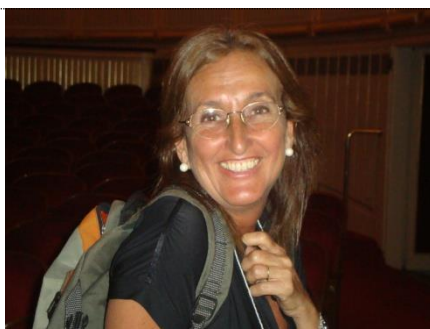
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XXVII IUGG GENERAL ASSEMBLY
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INDEX

	Page
1. IGEBBA: Instituto de Geociencias Básicas, Aplicadas y Ambientales <i>Area : Laboratory of Geophysics Daniel A. Valencio</i>	62
2. IFAS: Instituto de Física Arroyo Seco <i>Physic Institute "Arroyo Seco"</i>	64
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4. ICATE: Instituto de Ciencias Astronómicas, de la Tierra y del Espacio <i>Institute of Astronomic, Earth and Space Sciences</i>	67
5. INGEIS: Instituto de Geocronología y Geología Isotópica <i>Institute of Geochronologie and Isotopic Geology</i>	68
6. Facultad de Ciencias Astronómicas y Físicas <i>Faculty of Astronomical and Geophysical Sciences</i>	69

ARGENTINE NATIONAL REPORT 2015-2019
XXVII IUGG GENERAL ASSEMBLY
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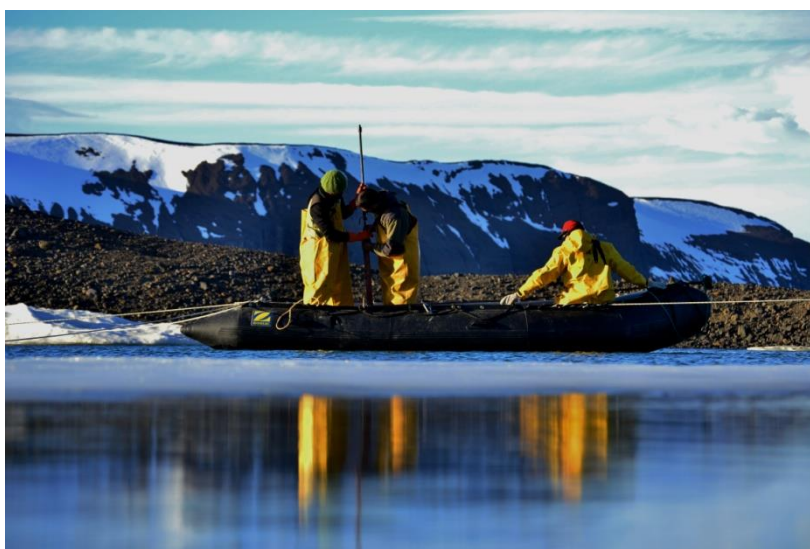
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XXVII IUGG GENERAL ASSEMBLY

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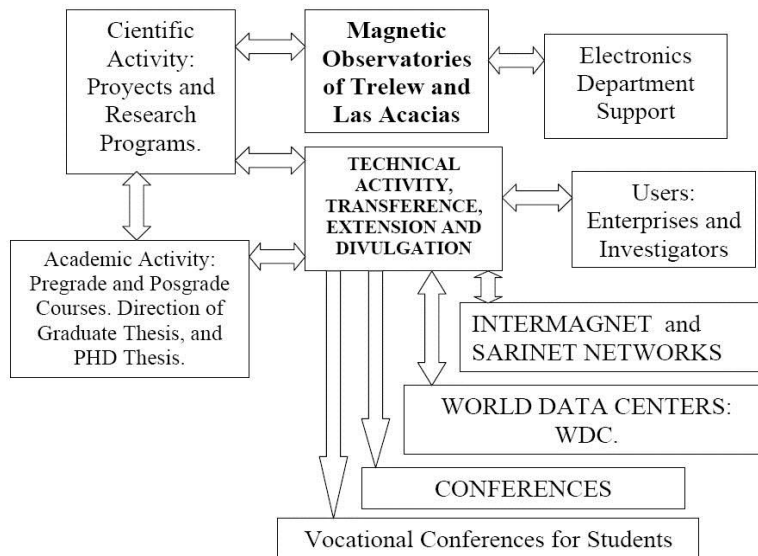
www.ingeis.uba.ar

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XXVII IUGG GENERAL ASSEMBLY
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6.- INSTITUTION:

Facultad de Ciencias Astronómicas y Geofísicas – Universidad Nacional de La Plata
(Faculty of Astronomical and Geophysical Sciences - La Plata National University)

DEPARTMENT OF GEOMAGNETISM AND AERONOMY



TRELEW MAGNETIC OBSERVATORY-INTERMAGNET (Earth google view)





Union Géodésique et Géophysique Internationale
International Union of Geodesy and Geophysics



**Sub Comité Nacional de la Asociación
Internacional de Meteorología y Ciencias de la
Atmósfera**

**Argentinean National Committee of the
International Association of Meteorology and
Atmospheric Sciences**



Moira E. Doyle
PRESIDENT (2015-2019)



Sandra Barreira
SECRETARY

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ARGENTINE NATIONAL REPORT 2015-2019
XXVII IUGG GENERAL ASSEMBLY
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****RETIRED**

- ◆ *Currently, the Argentinean National Committee of IAMAS (CNIAMAS) adds up 45 native Members.*
- ◆ *Most of them carried their research work on Meteorology and related sciences at different national and international institutes, centres, laboratories and universities.*
- ◆ *Few of them are temporarily abroad, working at foreign institutes, centres and universities.*
- ◆ *The present National Report has been organised in order to include a summary of the activities of the institutes listed below where members and no-members carried their research. It should be noted that by the time of this report the list includes the institutions that respond to our survey.*

ARGENTINE NATIONAL REPORT 2015-2019
XXVII IUGG GENERAL ASSEMBLY
Montreal, Canada

INDEX

	Centre, Institute, University, etc.	Pag
1.	a) Departamento de Ciencias de la Atmósfera y los Océanos. Universidad de Buenos Aires. (<i>Department of Atmospheric and Oceanic Sciences at University of Buenos Aires</i>) b) Centro de investigaciones del Mar y la Atmósfera. (CIMA) (<i>Research Centre on the Sea and the Atmosphere</i>)	74
2.	Servicio Meteorológico Nacional (SMN)	77
3	Servicio de Hidrografía Naval	79
4	Departamento de Sismología e Información Meteorológica de la Facultad de Cs Astronómicas y Geofísicas de la UNLP (<i>Department of seismology and Meteorological information (National University of La Plata, Faculty of Astronomical and Geophysics Sciences)</i>)	81
5	Universidad Nacional del Comahue (<i>Comahue National University</i>) Dto de Mecánica Aplicada de la Fac. de Ingeniería de la Univ. Nac. del Comahue	83
6	Instituto de Geografía. Filosofía y Letras-UBA (<i>Geography Institute of the arts, University of Buenos Aires</i>)	84
7	Departamento de Física de la Universidad Nacional del Noroeste (UNNE) (<i>Physic Department of the Northwest National University</i>)	85
8	Members from other Institutions	86

ARGENTINE NATIONAL REPORT 2015-2019
XXVII IUGG GENERAL ASSEMBLY
Montreal, Canada

1a.- INSTITUTION



**Departamento de Ciencias de la Atmósfera y los Océanos –
FCEN. Universidad de Buenos Aires**

*– Department of Atmospheric and Oceanic Sciences at University
of Buenos Aires–*

Mission:

The Department of Atmospheric and Oceanic Sciences at University of Buenos Aires is the unique center in Argentina that offers a study program to get a degree in Atmospheric Sciences. In addition, it was designated as a Regional Educational Center by the World Meteorological Organization.

The following diplomas are offered:

- Doctors (PhD.) in Atmospheric Sciences and Physical Oceanography,
- Masters (MSc.) in Agrometeorology and Environmental Sciences (in agreement with other Departments),
- Degrees (*Licenciados*) in Atmospheric Sciences and Physical Oceanography,
- Senior-School Teacher in Atmospheric Sciences.

In addition to its objective as educational center, the Department supports scientific research as another major objective. Consequently, it constitutes one of the major national centers for scientific production in the field of Atmospheric Sciences. It includes different working groups in climate change, climatology, synoptic meteorology, atmospheric pollution, remote sensing, agrometeorology, mesometeorology, hydrometeorology and biometeorology. Their results are published in international and national journals. Many researchers also publish their studies in books and special reports.

The researchers at the Department have an active participation in congresses and scientific meetings, where they present and discuss preliminary results. Most of the research projects receive financial support from a variety of sources, ranging from local agencies to international research consortia.

This report contains a list of the most publications with results from research activities conducted at the Department, congresses or scientific meetings where they have been presented and the corresponding projects.

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ARGENTINE NATIONAL REPORT 2015-2019
XXVII IUGG GENERAL ASSEMBLY
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Institutionalresearcherssubcommittee

Dra. Adelia Perla Alessandro (Cli), Dr. Pablo Luis Antico (Din-Nm), Dr. Daniel Florencio Barrera (Hi), Dr. RubénAníbalBejarán (Mi), Dra. María Elizabeth Castañeda(Cli), Dra. Rosa Hilda Compagnucci (Cli), Dra. María Isabel Gassmann (Mi), DraMaria P. Llano(Cli), Dra . Paula Beatriz Martín (Mi), Dr.GustavoNaumann (Cli), Dra. Olga Clorinda Penalba (Cli), Dra. Norma EditPossia (Di), Dra. Inés Velasco (Rs).

(Am) Specialistagrometeorology

(Cli) ‘ climatology

(Di) ‘ dynamics

(Gl) ‘ glaciology

(Hi) ‘ hidrology

(Mi) ‘ micrometeorology

(Nm) ‘ numericalmodeling

(Rs) ‘ remote sensing

(Sy) ‘ synoptic

ARGENTINE NATIONAL REPORT 2015-2019
XXVII IUGG GENERAL ASSEMBLY
Montreal, Canada

INSTITUTION 1b.



Centro de Investigaciones del Mar y la Atmósfera (CIMA / CONICET-UBA)

– Research Centre on the Sea and the Atmosphere –

Mission:

CIMA (The Center for Sea and Atmosphere Research), supported by CONICET (Research Council for Science and Technology of Argentina), is an associated laboratory with the Department of Atmospheric Sciences of the University of Buenos Aires. It is located in the main campus of the University of Buenos Aires, close to the Department of Atmospheric Sciences, near Buenos Aires City.

Research activities at CIMA are mainly focused on Climate Modeling, Regional Climate Variability, studying Regional Anthropogenic Effects on Climate, Argentine Sea Circulation Modeling, Numerical Weather Prediction, and Climate Change .

CIMA is the main, probably the only one, fully devoted Research Center with activities in Atmospheric and Oceanic Modeling in Argentina.

CIMA objective is the expansion of the understanding of the physical processes that control and determine the behaviour of the atmosphere and the ocean, like key elements of the climatic system.

Another objective to fulfill is to contribute to the formation and improvement of investigators and technicians, and to the education of pre and postdegree in the fields of Meteorology, Climatology and Oceanography.

To promote the development of studies of this specialty and to transfer technological results, product of its investigations.

DIRECTOR NAME: Claudia Simionato (PhD. in Oceanography)
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TE: 54 (11) 4 7872693, FAX: 54 (11) 4 7883572

WEB PAGE: www.cima.fcen.uba.ar

Institutional researchers subcommittee

Dr. Mario N. Nuñez (Din), Dra. Marcela Hebe González (Cli), Dra Moira Doyle (Cli)

ARGENTINE NATIONAL REPORT 2015-2019
XXVII IUGG GENERAL ASSEMBLY
Montreal, Canada

2.- INSTITUTION



SERVICIO METEOROLÓGICO NACIONAL
(Argentine National Meteorological Service)

MISION

Observar, comprender, predecir el tiempo y el clima en el territorio nacional y zonas oceánicas adyacentes con el objeto de contribuir a la protección de la vida y la propiedad de sus habitantes y al desarrollo sustentable de la economía; y proveer a la representación del país ante los organismos meteorológicos internacionales y al cumplimiento de las obligaciones asumidas por el país ante los mismos.

MISSION:

To observe, to understand, to predict the weather and the climate in the National territory and adjacent oceanic zones in order to contribute to the protection of the life and the property of the people and sustainable development of the economy; and to provide the representation of the country with the meteorological institutions and the execution of the obligations assumed by our country with them.

Operational products can be obtained at the National Weather Service webpage www.smn.gov.ar along with references regarding the models and database (only in Spanish).

DIRECTOR NAME : Celeste Saulo

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WEB PAGE: www.smn.gov.ar

TE: 01151676767. **Fax:** 01151676709

ADRESS: 25 de mayo 658 . CABA.

**ORGANIZATIONS, ASSOCIATIONS AND ACADEMIC INSTITUTIONS
WITH COORDINATED ACTIVITIES**

Comisión Nacional de Investigaciones Espaciales (CONAE)
Consejo Nacional de Investigaciones Científicas y Tecnológicas (CONICET)
Departamento de Ciencias de la Atmósfera y los Océanos, facultad de Ciencias Exactas y Naturales (FCEyN), Universidad de Buenos Aires (UBA)
Centro de Investigaciones del Mar y la Atmósfera (CIMA) CONICET – UBA

Dirección Nacional del Antártico (DNA)
Instituto Nacional del Agua (INA)
Instituto Nacional de Tecnología Agropecuaria (INTA)
Servicio de Hidrografía Naval (SHN)
Servicio Meteorológico de la Armada Argentina (SMARA)
Universidad Católica Argentina (UCA)
Gobierno de la Ciudad Autónoma de Buenos Aires.
Universidad Nacional de la Punta de San Luis (UNP)
Universidad del Litoral (UNL)
Universidad de La Plata
Universidad de Luján
Comisión Nacional de Energía Atómica (CNEA)
Gobierno de las Provincias de Santa Cruz, Mendoza y Tierra del Fuego
Organización Meteorológica Mundial (OMM)
Agencia Espacial Europea (ESA)
Organización de Aviación Civil Internacional (OACI)
Instituto Nacional de Pesquisas Espaciales (INPE) Brasil
National and Oceanic Atmospheric Administration (NOAA)
National Weather Service (NWS) Estados Unidos
Servicio de Meteorología de España
Ecole Nationale de Meteorologie (Francia)
Grupo para el Desarrollo de la Teledetección Aeroespacial (GDTA) Francia
Centre of Weather Forecasting and Climatic Studies (INPE/CPTEC)
Cooperative Institute for Research in the Atmosphere (CIRA)
Cooperative Program for Operational Meteorology, Education and Training (COMET)
European Organization for Meteorological Satellites (EUMETSAT)
Centro Internacional para la Investigación del Fenómeno de El Niño (CIIFEN) Perú
Instituto Nacional de Técnica Aeroespacial (INTA) España
Servicio Meteorológico de la República Dominicana
Servicio Meteorológico de la República del Perú
Universidad de la República Oriental del Uruguay
National Science Foundation (NSF)

Institutional researchers subcommittee

Lic. Ernesto E. Faccini (Sy), Lic. Juan M. Horler (SY) , Dra .Estela A. Collini (nM),
 Lic. M. E. Segura (Sy), Lic. Soledad Osorio (Nm), Lic. María Eugenia Dillon (Nm),
 Lic. Camila Farías (Nm),

ARGENTINE NATIONAL REPORT 2015-2019
XXVII IUGG GENERAL ASSEMBLY
Montreal, Canada

3.-INSTITUTION



DEPARTAMENTO DE METEOROLOGÍA DEL
SERVICIO DE HIDROGRAFÍA NAVAL
(*Department of Meteorology of the Naval
Hydrographic Service*)

MISSION

Execute and promote studies, education, training and research on marine meteorology and other sciences, related to marine activities that contribute to the scientific and economic development of the country.

The main subjects are research and applications on

- * waves and storm surges numerical modeling
- * regional meteorological numerical modeling.
- * air-sea-sea ice interaction
- * meteorological and glaciological (sea ice) operational analysis and forecast
- * marine meteorology
- * climatology
- * remote sensing applications

SPECIFIC ORGANIZATION:

The Departamento de Meteorología del Servicio de Hidrografía Naval (Navy Meteorological Service, Department of Meteorology of the Naval Hydrographic Service) is a research and

ARGENTINE NATIONAL REPORT 2015-2019
XXVII IUGG GENERAL ASSEMBLY
Montreal, Canada

operationalcenter of the Argentine Navy, focused mainly on atmospheric, marine, computer, climatology and glaciological sciences.

The research and operational activities are performed by a group of researchers, and technicians specialized in atmospheric and marine sciences, computer, climatology, glaciology and geodesy.

The computer equipment included a DELL Power Edge 2850 /Linux server with 2 3.6 Xeon processors, dedicated to the processing of atmospheric, sea state and Antarctic sea ice. An Intranet (Red de Informática Naval (RINA) de la Armada) LAN network and an Internet LAN network of Pcs.

DIRECTOR NAME: Lic. Alvaro Scardilli (metceba @ ara.mil.ar)

WEB PAGE : www.hidro.gov.ar

TELEFAX: 54 011 4317 2309

ADRESS: Comodoro Py 2055 Piso 15 1104 CABA.

Institutional researchers subcommittee

Lic. Roberto O. Abuin (Hy), Prof. Norberto O. Cattaneo (Hy), Lic. Ricardo L. Poy (Hy) Lic.Manuel H. Picasso (SY) **,Lic. Estela González de Francesca (prog.)**, Dra. Sandra Barreira (Glaciology)

**: Retired

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XXVII IUGG GENERAL ASSEMBLY
Montreal, Canada

4.- INSTITUTION

DEPARTMENT OF SEISMOLOGY AND METEOROLOGICAL INFORMATION
(*National University of La Plata, Faculty of Astronomical and Geophysics Sciences*)



MISSION

Among the different branches of the Astronomy and Geophysics, the main objectives of the Faculty of Astronomical and Geophysics Sciences (FCAGLP) are summarized: to research, teach, and provide scientific-technical support as they are required by other groups, as well as to disseminate research results. According to this, the meteorological activities of the Department of Seismology and Meteorological Information are described in the present report.

Within the scope of the Institution it is the data acquisition, preservation and transferring from “La Plata Observatory” (LPO) meteorological station, and to do research in the area of meteorology.

SPECIFIC ORGANIZATION

The Department is divided into two specific areas: *Meteorology* and *Seismology*. To achieve their mission, the first area can be divided into two sections: 1) Technical Area: devoted to permanent data acquisition and archive systems and instruments maintenance, among other activities; and 2) Professional Area: conduct scientific research works, teaching, consulting activities, among others.

Available resources from the Department are:

- Faculty (FCAGLP) Library.
- Local Area Network with Internet Access
- Eight IBM-compatible PC'S
- Standard and automatic meteorological instruments
- Surface meteorological station site
- Permanent technical support provided by the home Institution

ARGENTINE NATIONAL REPORT 2015-2019
XXVII IUGG GENERAL ASSEMBLY
Montreal, Canada

Department staff in Meteorology:

- Total number of researchers with Doctor degree: 1 full-time and 1 part-time
- Total number of technicians: 7 part-time

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Dr. Guillermo Berri (Nm-Din)), Dr. Pablo Luis Antico (Din-Nm)

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XXVII IUGG GENERAL ASSEMBLY
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5.- INSTITUTION

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FACULTAD DE INGENIERIA DEPARTAMENTO DE
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XXVII IUGG GENERAL ASSEMBLY
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6.- INSTITUTION

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7.- INSTITUTION



DEPARTAMENTO DE FÍSICA

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XXVII IUGG GENERAL ASSEMBLY
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Dra. María Piccolo (Sy): Universidad Nacional del Sur

Dr. Norberto O. García (Sy): Universidad del Litoral

Lic. Leonardo Ariel Serio (Am): Facultad de Agronomía (UBA)

Dra Gabriel Muller(Din-Nm): Universidad del Litoral



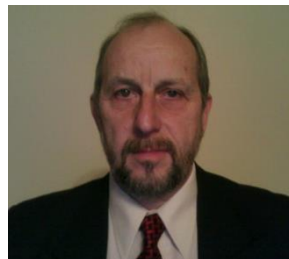
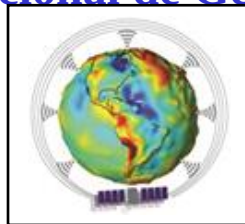
Union Géodésique et Géophysique Internationale
International Union of Geodesy and Geophysics



International
Association of
Geodesy

National Sub-Committee of the International Association of Geodesy

Sub-Comité Nacional de la Asociación Internacional de Geodesia



J. Ricardo Soto
PRESIDENT



Rubén Carlos Ramos
SECRETARY



Oscar Schvarzer
TREASURER

ARGENTINE NATIONAL REPORT 2015-2019
XXVII IUGG GENERAL ASSEMBLY
Montreal, Canada

The National Committee members work/ed at the following institutions:

Institution	Page
1.- Instituto Geográfico Nacional	89
2.- Instituto Antártico Argentino	90
3.- Universidad de Buenos Aires	91
4.- Universidad Nacional de La Plata	92
5.- Universidad Nacional de Rosario	93
6.- Universidad Nacional de San Juan	94
7.- Universidad Nacional de Santiago del Estero	95
8.- Universidad Nacional de Tucumán	96
9.- Universidad Nacional de Cuyo	97
10.- Escuela Superior Técnica Gral. Savio	98
11.- Servicio de Hidrografía Naval	99
12.- Deutsches Geodätisches Forschungsinstitut	100
13.- Bureau International des Poids et Mesures - Time Department	101
14.- University of Memphis	102
15.- YPF	103

ARGENTINE NATIONAL REPORT 2015-2019
XXVII IUGG GENERAL ASSEMBLY
Montreal, Canada



1.- INSTITUTION: Instituto Geográfico Nacional

ASSOCIATION: IAG

Understood in the establishment, maintenance, updating and improvement of the National Geodetic System and get the basic mapping continental, insular and Antarctic territory of Argentina and permanently updated.

NAME:

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Agrim. Agustín Raffo	araffo@ign.gob.ar
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FIELD WORK: Geodesy, Geophysics and Gravimetry

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WEB PAGE: www.ign.gob.ar

**ARGENTINE NATIONAL REPORT 2015-2019
XXVII IUGG GENERAL ASSEMBLY
Montreal, Canada**

2.- INSTITUTION: Instituto Antártico Argentino

ASSOCIATION: IAG

Specialized organization which permanently directs, controls, and performs research and technical- scientific studies linked to the Antarctic Region of Argentina.

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ARGENTINE NATIONAL REPORT 2015-2019
XXVII IUGG GENERAL ASSEMBLY
Montreal, Canada

3.- INSTITUTION: Universidad de Buenos Aires

ASSOCIATION: IAG



The University of Buenos Aires is a public corporation whose purpose is the promotion, dissemination and preservation of culture. It is a community of teachers, students and graduates, who seeks the integral and harmonious formation of its components. Shape researchers, skilled professionals and teachers career.

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FIELD WORK: Geodesia, Geofísica, Gravimetría

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ARGENTINE NATIONAL REPORT 2015-2019
XXVII IUGG GENERAL ASSEMBLY
Montreal, Canada



4.- INSTITUTION: Universidad Nacional de La Plata

ASSOCIATION: IAG

The National University of La Plata is an institution with a history of more than a century. This institution is pioneered in studies and cultural, artistic and scientific advanced developments. Teaching, research and extension constitute the cornerstones of this University.

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	perdomo@presi.unlp.edu.ar
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FIELD WORK: Geodesia, Gravimetría

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ARGENTINE NATIONAL REPORT 2015-2019
XXVII IUGG GENERAL ASSEMBLY
Montreal, Canada

5.- INSTITUTION: Universidad Nacional de Rosario

ASSOCIATION: IAG



The National University of Rosario was created in 1968.
Is an institution dedicated to the training of professionals.
Its objectives are acquire, conserve, enhance and critically transmit knowledge, directing its actions to full training of women and men with social commitment.

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FIELD WORK: Geodesia, Geofísica, Gravimetría

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**ARGENTINE NATIONAL REPORT 2015-2019
XXVII IUGG GENERAL ASSEMBLY
Montreal, Canada**

6.- INSTITUTION: Universidad Nacional de San Juan

ASSOCIATION: IAG



The National University of San Juan was created in 1973.

This institution of college currently consists of five faculties, Engineering; Social Sciences; Philosophy, Humanities and Arts; Architecture and Exact, Physical and Natural Sciences; three junior colleges and a University Central School.

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**ARGENTINE NATIONAL REPORT 2015-2019
XXVII IUGG GENERAL ASSEMBLY
Montreal, Canada**



7.-INSTITUTION: Universidad Nacional de Santiago del Estero

ASSOCIATION: IAG

The National University of Santiago del Estero was created in 1973.

It is located in the Province of Santiago del Estero, Capital, which is the oldest city in the Argentine Republic, founded in 1553.

This institution has always sought to satisfy the demands of the community that gave it birth. Thus, the races emphasized are those aimed at solving the problems of local social environment oriented technology and social and health problems.

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**ARGENTINE NATIONAL REPORT 2015-2019
XXVII IUGG GENERAL ASSEMBLY
Montreal, Canada**



8.-INSTITUTION: Universidad Nacional de Tucumán
ASSOCIATION: IAG

The National University of Tucumán (UNT) is one of the most traditional institutions of higher studies in the country. It was inaugurated in 1914 and nationalized in 1921. Teaching and research are its main objectives.

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**ARGENTINE NATIONAL REPORT 2015-2019
XXVII IUGG GENERAL ASSEMBLY
Montreal, Canada**



9.- INSTITUTION: Universidad Nacional de Cuyo

ASSOCIATION: IAG

The National University of Cuyo, located in Mendoza, Argentina aims at the development and dissemination of culture in all its forms through education, scientific research , technical training , training and raising the ethical level and aesthetic. It was founded in 1939.

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FIELD WORK: Geodesia

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**ARGENTINE NATIONAL REPORT 2015-2019
XXVII IUGG GENERAL ASSEMBLY
Montreal, Canada**

10.- INSTITUTION: Escuela Superior Técnica Gral. Savio

ASSOCIATION: IAG



The Technical College was established on November 4, 1930 by inspiration of the Lieutenant Colonel Manuel Nicolas Savio. The name " Technical College " is inspired by the Ecole Polytechnique in France, with a strong general education as a foundation for future practice.

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**ARGENTINE NATIONAL REPORT 2015-2019
XXVII IUGG GENERAL ASSEMBLY
Montreal, Canada**



11.- INSTITUTION: Servicio de Hidrografía Naval

ASSOCIATION: IAG

The Naval Hydrographic Service provides the public service of boating safety through:

- ✓ Editing charts, sailing directions, lists of lighthouses and navigational
- ✓ aids, tide tables, nautical almanac, and other nautical publications according to international standards.
- ✓ Hydrographic surveys and technical studies aimed to increase awareness of maritime domain.
- ✓ The continuous updating of news for navigation through Notices to Mariners.
- ✓ The preparation of sea forecasts and wave heights: • Determining and advice on maritime and nautical instruments signaling. • Media management information support services offered.

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FIELD WORK: Geodesia

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**ARGENTINE NATIONAL REPORT 2015-2019
XXVII IUGG GENERAL ASSEMBLY
Montreal, Canada**

12.- INSTITUTION: Deutsches Geodätisches Forschungsinstitut (DGFI)

ASSOCIATION: IAG



The DGFI has a history of more than six decades, and it is the largest purely geodetic research institution in Germany.

The institute will presume its internationally recognised geodetic basic research from now on under its new official name Deutsches Geodätisches Forschungsinstitut der Technischen Universität München (DGFI-TUM).

NAME:

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FIELD WORK: Geodesia

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ARGENTINE NATIONAL REPORT 2015-2019
XXVII IUGG GENERAL ASSEMBLY
Montreal, Canada

13.- INSTITUTION: Bureau International des Poids
et Mesures (BIPM) - Time Department



ASSOCIATION: IAG

Its objectives are:

- ✓ To establish and maintain appropriate reference standards for use as the basis of a limited
- ✓ number of key international comparisons at the highest level.
- ✓ To coordinate international comparisons of national measurement standards through the
- ✓ Consultative Committees of the CIPM; taking the role of coordinating laboratory for selected
- ✓ comparisons of the highest priority and undertaking the scientific work necessary to enable this
- ✓ to be done.
- ✓ To provide selected calibrations for Member States.

NAME:

Dra. Elisa Felicitas Arias felicitas.time@gmail.com

The member of the National Geodesy Committee Felicitas Arias has retired from the International Bureau of Weights and Measures (BIPM) since December 1, 2017.

His new email address is: "felicitas.time@gmail.com".

FIELD WORK: Geodesia

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**ARGENTINE NATIONAL REPORT 2015-2019
XXVII IUGG GENERAL ASSEMBLY
Montreal, Canada**

14.- INSTITUTION: University of Memphis

ASSOCIATION: IAG

The University of Memphis is a comprehensive doctoral- extensive institution of higher learning.

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FIELD WORK: Geodesia - Geofísica

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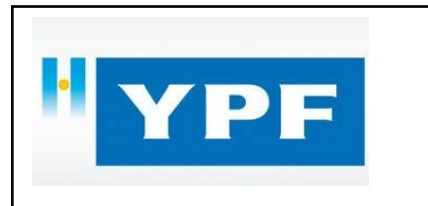


**ARGENTINE NATIONAL REPORT 2015-2019
XXVII IUGG GENERAL ASSEMBLY
Montreal, Canada**

15.- INSTITUTION: YPF

ASSOCIATION: IAG

YPF is the leading oil company in Argentina.



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FIELD WORK: Geodesia – Geofísica

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Union Géodésique et Géophysique Internationale
International Union of Geodesy and Geophysics



Comité Nacional

**Sub-Comité Nacional de la Asociación Internacional
para las Ciencias Físicas del Océano**

**National Committee of the International
Association for the Physical Sciences of the Oceans**



Claudia G. Simionato
PRESIDENT (2012-2016)



Martín Saraceno
SECRETARY (2012-2016)
PRESIDENT (2016-2020)



Guadalupe Alonso
CO-SECRETARY (2012-2016)
SECRETARY (2016-2020)

Ramiro Ferrari
CO-SECRETARY (2016-2020)

ARGENTINE NATIONAL REPORT 2015-2019
XXVII IUGG GENERAL ASSEMBLY
Montreal, Canada

Centre, Institute, University, etc.	pag
1. CENPAT: Centro Nacional Patagónico, CONICET <i>(National Patagonic Center)</i>	106
2. Centro de Investigaciones del Mar y la Atmósfera <i>(CIMA / CONICET-UBA)</i>	108
3. Dirección de Investigaciones de la Armada (DIIV)	110
4. Instituto Antártico Argentino (IAA)	113
5. Instituto Argentino de Oceanografía (IADO)	115
6. Instituto Nacional de Investigaciones Pesqueras (INIDEP)	119
7. Servicio de Hidrografía Naval (SHN)	121

ARGENTINE NATIONAL REPORT 2015-2019
XXVII IUGG GENERAL ASSEMBLY
Montreal, Canada

ASSOCIATION: IAPSO

1.- INSTITUTION:



Centro Nacional Patagónico - CENPAT -

– National Patagonia Centre –

Mission:

- To promote the generation of scientific and technological knowledge in terms of environmental, socioeconomic and cultural issues through interdisciplinary work and critical thinking.
- To encourage appreciation and respect for history, cultural diversity and biodiversity.
- To contribute to the creation of knowledge, training of human resources, socialization and knowledge transfer to the wider community and cooperation with governmental and non-governmental organizations working for the common good.

NAME:

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FIELD WORK:

ESTEVES, José Luis	PhD in Oceanology Marine Chemistry. Water Pollution.
PISONI, Juan Pablo	PhD in Oceanography Physical Oceanography
RIVAS, Andrés	MD in Oceanography Physical Oceanography

ARGENTINE NATIONAL REPORT 2015-2019
XXVII IUGG GENERAL ASSEMBLY
Montreal, Canada

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ARGENTINE NATIONAL REPORT 2015-2019
XXVII IUGG GENERAL ASSEMBLY
Montreal, Canada

ASSOCIATION: IAPSO

2.- INSTITUTION:



Centro de Investigaciones del Mar y la Atmósfera
(CIMA / CONICET-UBA)

– (*Centre for Oceanic and Atmospheric Research*) –

Mission: CIMA (Centre for Oceanic and Atmospheric Research), is an institution supported by CONICET (National Council for Scientific and Technological Research of Argentina) and UBA (University of Buenos Aires). It is located at the University of Buenos Aires main building, close to the Department of Atmospheric and Oceanic Sciences not far from downtown.

Research activities at CIMA are mainly focused on Climate Modelling, Climate Regional Variability, Regional Effects of Anthropogenesis Effects on Climate, Shelf Seas Modelling and Dynamics, Numerical Weather Forecast and Climate Change. CIMA is the main, probably the only, research centre of Argentina fully devoted to atmosphere and ocean modelling.

NAME: Dr. Claudia G. Simionato Deputy Director since 2010

Members of IAPSO that worked at this institution during the period 2011-2015:

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ARGENTINE NATIONAL REPORT 2015-2019
XXVII IUGG GENERAL ASSEMBLY
Montreal, Canada

FIELD WORK:

SIMIONATO, Claudia G.	PhD in Physical Oceanography Physical processes in the Río de la Plata Estuary and the Continental Shelf. Numerical modeling, data observation and data analysis in physical oceanography.
SARACENO, Martín	PhD in Physics. Research Scientist. Ocean Dynamics. Remote sensing; ocean circulation; data observation and analysis of ocean data.
MOREIRA, Diego	PhD Student. Numerical Modelling and Data Analysis in Physical Oceanography
FRANCO, Bárbara	PhD in Oceanography Numerical modelling of particle dispersion in the ocean
LUZ CLARA TEJEDOR, Moira	Postdoctoral fellow. Physical Oceanography
FERRARI, Ramiro	Postdoctoral fellow. Physical Oceanography
RUIZ ETCHEVERRY, Laura	PhD Student Remote sensing; ocean circulation; data observation and analysis of ocean data.

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**ARGENTINE NATIONAL REPORT 2015-2019
XXVII IUGG GENERAL ASSEMBLY
Montreal, Canada**

ASSOCIATION: IAPSO

3.- INSTITUTION:



**Dirección de Investigación de la Armada
(DIIV)
(Argentinean Navy Research Office)**

**División Acústica Submarina
(Underwater Sound Division)**

Previously, till March 2011, this institute's name was Naval Service of Research and Development (Servicio Naval de Investigación y Desarrollo).

Mission: DIIV's general objective is to conduct Research Projects related to maritime interests. Its Underwater Sound Division is the one that is related to the International Association for the Physical Sciences of the Oceans –IAPSO–, due to its research fields of interest.

Sound Propagation in a variable medium like the ocean, as well as its interaction with the boundaries (sea-surface and seabed) and the biologic organisms, suspended particles, bubbles, submarine vehicles, etc. that are present in its volume, is a relevant area of research in Oceanography. Therefore, it turns out to be within the scope of Physical Oceanography.

NAME: Silvia BLANC –Underwater Sound Division -Head-, since 1st. April 2010.

ARGENTINE NATIONAL REPORT 2015-2019
XXVII IUGG GENERAL ASSEMBLY
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Members of IAPSO that worked at the Underwater Sound Division of this institution during the period 2011-20015:

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ARGENTINE NATIONAL REPORT 2015-2019
XXVII IUGG GENERAL ASSEMBLY
Montreal, Canada

FIELD WORK:

BAQUÉS, Michèle	M in Sc. in Oceanography. PhD Student. Acoustical Oceanography. Volume scattering by zooplankton.
BLANC, Silvia	M in Sc. in Physics Acoustical Oceanography. Volume Scattering. Bottom acoustics interaction.
BOS, Patricio	M in Sc. in Electronic Engineering.
CINQUINI, Mariano	M in Sc. in Electronic Engineering.
GONZÁLEZ, Juan D.	M in Sc. in Mathematics. PhD Student.
ISBERT PERLENDER, Hernán	M in Sc. in Engineering and Oceanography. PhD Student.
LAVIA, Edmundo	M in Sc. in Physics. PhD Student.
PRARIO, Igor	Magister in Physics. PhD Student. Physics. Acoustical Oceanography.
SALVADORES, Silvia	M in Sc. in Physics Acoustic propagation modelling. Numerical simulation.

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ARGENTINE NATIONAL REPORT 2015-2019
XXVII IUGG GENERAL ASSEMBLY
Montreal, Canada

ASSOCIATION: IAPSO

4.- INSTITUTION:



Instituto Antártico Argentino

– Argentinean Antarctic Institute –

Mission: The Argentinean Antarctic Institute (IAA) was created on April 17, 1951, making true one of the fundamental pillars dreamed by Cnel. Hernán Pujato for enhancing and extending the Argentinean presence in the Antarctic. At that time the IAA became the first scientific organization exclusively devoted to Antarctic matters and it preceded the Antarctic Treaty signature as well as the creation of the Scientific Committee on Antarctic Research (SCAR). It centralizes the planification, coordination and control of Argentinean scientific activities in Antarctica.

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FERREYRA, Gustavo	Biological Oceanography – UV and Climate change effects on plankton communities – Ocean acidification (a través del Programa RAICES-ANPCYT)
SCHLOSS, Irene Ruth	Biological Oceanography - Antarctic Food Webs, Climate Change – Physical-Biological Coupling – Plankton ecology
TOSSONOTTO, Gabriela	Antarctic Oceanography

ARGENTINE NATIONAL REPORT 2015-2019
XXVII IUGG GENERAL ASSEMBLY
Montreal, Canada

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ARGENTINE NATIONAL REPORT 2015-2019
XXVII IUGG GENERAL ASSEMBLY
Montreal, Canada

ASSOCIATION: IAPSO

5.- INSTITUTION:



Instituto Argentino de Oceanografía - IADO -

Argentinean Institute of Oceanography –

Mission: To promote the development of scientific research on the Argentine sea and its resources (Studies on the Argentina continental shelf, coastal and continental slope).

Contribute to the training of researchers and technicians in Oceanography.

To promote the study of oceanography.

Provide advice to government and private institutions on issues relating to the sea and coasts.

To develop and implement plans and programs with other institutions related to oceanography issues.

Collect all possible information on Argentine maritime space, promote surveys, observations and analysis in oceanography research.

Give seminars and special courses in their areas of competence and cooperate with other institutions.

Cooperate with educational institutions and other organizations for the development of oceanographic studies and the wider knowledge of the Argentine sea and its resources.

Provide advice to other state or private organizations, in matters or issues related to the specific purposes of the Institute.

NAMES: Members of CNIAPSO that work at this institution and at the National Southern University*, having a fluid interaction with researchers from IADO:

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ARGENTINE NATIONAL REPORT 2015-2019
XXVII IUGG GENERAL ASSEMBLY
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ARGENTINE NATIONAL REPORT 2015-2019
XXVII IUGG GENERAL ASSEMBLY
Montreal, Canada

FIELD WORK:

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ANGELES, Guillermo	Oceanography
BEIGT, Débora	Geomorphology. Estuaries and coasts dynamics.
BHON, Vanessa Yael	Physical Oceanography.
CALO, Jorge*	Oceanography
CAMPO de Alicia*	FERRERAS, Physical Geography
CARBONE, M. Elizabeth	Geomorphology. Estuaries and coasts dynamics.
CERVELLINI, Patricia	Marine Biology
CUADRADO, Diana	Marine Geology. Sediments transport.
DIEZ, Paula G.	Marine Geology. Coastal management. Sediments transport.
ELIAS, Fernanda	Marine Biology
FEDERICI, Gisela	Physical Oceanography. Sediments transport.
GARIBOTTI, Emilio	Marine Biology
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GÓMEZ, Eduardo A.	Oceanography. Marine Geology.
LISAZOAIN, Guillermo	Oceanography. Marine Geology.
MARASCHIN, Silvio	Oceanography. Marine Physics
MARCOS, Ángel*	Oceanography
MARCOVECCHIO, Jorge	Marine Chemistry.
MARINI, M. Fabián	Physical Oceanography.
MELO, Walter D.	Physical Oceanography. Digital Cartography.
MINKOFF, Darío R.	Physical Oceanography.
NATALI, Mariano	Physical Oceanography.
PALMA, Elbio	Physics. Marine Physics
PÉREZ, Daniel*	Marine Physics

PERILLO, Gerardo, M. E.	Physical Oceanography.
PICCOLO, María Cintia	Physical Oceanography.
PIERINI, Jorge, O.	Physical Oceanography.
SCHILLIZI, Roberto	Marine Geology.
SPAGNUOLO, Jorge	Geology.

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ARGENTINE NATIONAL REPORT 2015-2019
XXVII IUGG GENERAL ASSEMBLY
Montreal, Canada

ASSOCIATION: IAPSO

6.- INSTITUTION:



Instituto Nacional de Investigaciones Pesqueras (INIDEP)

National Institute for Fisheries Research and Development –

Mission: It is in charge of formulating, executing and controlling the research projects on fisheries' prospecting, evaluation and developing of aquaculture technologies, fishing arts, technological processes and fishery economy, according to the guides and priorities set by the corresponding authorities.

NAMES: Members of IAPSO that work at this institution during the period 2011-2014:

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FIELD WORK:

ÁLVAREZ COLOMBO, Gustavo Luis	PhD in Biology Underwater Acoustics
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XXVII IUGG GENERAL ASSEMBLY
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XXVII IUGG GENERAL ASSEMBLY
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– *Hydrographic Naval Service* –

Department of Oceanography

Mission: The mission of the Oceanography Department is to carry out and encourage studies, explorations, works and investigations about physical oceanography, marine geology, geophysics and chemistry and any other ocean science related to maritime activities that contribute to the economical and scientific development of the country, functioning as a research centre of ocean sciences.

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XXVII IUGG GENERAL ASSEMBLY
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BIANCHI, Alejandro A.	Physical Oceanography.
CAVALLOTTO, José Luis	Coastal and Marine Geology.
CHARO, Marcela	Regional oceanography and western boundary currents. Processing of ocean colour images (SEAWIFS) and hydrographic data (CTD, XBT) design; Data Bases updating.
DRAGANI, Walter C.	Physical Oceanography.
IORE, Mónica	Tides.
PATTERLINI, Marcelo	Marine Geophysics
PIOLA, Alberto R.	Physical Oceanography
REYNOSO PERALTA, Walter L.	Marine Geophysics and Geology, Geomorphology, Seafloor Characterisation and Ocean Bathymetry.
ROMERO, Silvia Inés	Ocean Colour - River Plumes - Oceanic Fronts - Biophysical Interactions
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International Association of
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**Sub Comité Nacional
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XXVII IUGG GENERAL ASSEMBLY
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- *Currently, the Argentinean National Committee of IASPEI (CNIASPEI) has 33 Members whose nationality is Argentinean.*
- *Most of them carried their research work on Seismology, Applied Geophysics and related sciences at different national institutes, centres, laboratories and universities.*
- *Some of them are temporarily abroad, working at foreign institutes, centres, laboratories and universities.*
- *The present National Report has been organised in order to present the institutions and researchers.*

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XXVII IUGG GENERAL ASSEMBLY
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ARGENTINE NATIONAL REPORT 2015-2019
XXVII IUGG GENERAL ASSEMBLY
Montreal, Canada

INDEX

Centre, Institute, University, etc.	Pag
1.- Facultad de Ciencias Astronómicas y Geofísicas – Universidad Nacional de La Plata	127
2.- Universidad Nacional de San Juan	129
3.- Instituto Nacional de Prevención Sísmica, (INPRES)	131
4.- Facultad de Ingeniería, Facultad Regional Mendoza - Universidad Tecnológica Nacional	132
5.- Universidad Nacional de San Luis	133
6.- Universidad Nacional de Salta	134
7.- Facultad de Ciencias Exactas y Naturales. Universidad Nacional de Buenos Aires. Departamento de Geología.	135
8.- Universidad Nacional de Río Negro , Gral. Roca, Argentina Instituto de Investigación en Paleobiología y Geología	136
9.- CONICET, Centro Atómico Bariloche – CNEA	137

ARGENTINE NATIONAL REPORT 2015-2019
XXVII IUGG GENERAL ASSEMBLY
Montreal, Canada

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XXVII IUGG GENERAL ASSEMBLY
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XXVII IUGG GENERAL ASSEMBLY
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INDEX	Pag
1. Instituto Argentino de Recursos Hídricos (IARH)	140
2. Facultad de Ingeniería y Ciencias Hídricas (FICH)	141
3. Instituto Nacional del Agua (INA)	142
4. Facultad de Ciencias Naturales y Museo, Universidad de La Plata	143
5. Facultad de Ingeniería, Universidad de La Plata	144
6. Facultad de Ciencias Exactas Físicas y Naturales, Universidad de Córdoba	145
7. Centro de Ecología Aplicada del Litoral	146

**ARGENTINE NATIONAL REPORT 2015-2019
XXVII IUGG GENERAL ASSEMBLY
Montreal, Canada**



ASSOCIATION : IAHS

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**ARGENTINE NATIONAL REPORT 2015-2019
XXVII IUGG GENERAL ASSEMBLY
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ASSOCIATION : IAHS

2.-INSTITUTION: Facultad de Ingeniería y Ciencias Hídricas.
Universidad Nacional del Litoral

Objective to train qualified human resources involved in the various stages of assessment, planning, and use of water resources, by means of degree courses and post degree, as well as research in the field of water groups.

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XXVII IUGG GENERAL ASSEMBLY
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ASSOCIATION : IAHS

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XXVII IUGG GENERAL ASSEMBLY
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ASSOCIATION : IAHS

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XXVII IUGG GENERAL ASSEMBLY
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ASSOCIATION : IAHS

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ASSOCIATION : IAHS

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