

University of Buenos Aires (UBA)

Research Center of the Sea and the Atmosphere (CIMA)

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Education in Argentina is <u>free</u> in any public university



Where to study Atmospheric and Oceanographic Sciences?



Department of Atmospheric and Oceanic Sciences (**DCAO**/FCEN-UBA)





- "Licenciatura" in Atmospheric sciences
- "Licenciatura" in Oceanography

*Undergraduate degree titled as "Licenciatura" is equivalent to a MSc. degree

- ☐ Estimated duration: 5-years
- ☐ Shared introductory courses (maths, physics, among others)
- ☐ Specific courses and a certain amount of elective courses
- ☐ Final Thesis

Department of Atmospheric and Oceanic Sciences (DCAO/FCEN-UBA)





- Master (Maestría) in Environmental Sciences
- Master (Maestría) in Agrometeorology
 - ☐ Duration: 2-years
 - Specific courses
 - Master's Thesis dissertation

Department of Atmospheric and Oceanic Sciences (**DCAO**/FCEN-UBA)





- **PhD** in Atmospheric and Oceanographic Sciences
 - Duration: 5-years
 - ☐ Highest ranking in the National Commission for University Evaluation and Accreditation (CONEAU)
 - Need to take some specialized courses (about 4-6)
 - PhD Thesis dissertation

Department of Atmospheric and Oceanic Sciences (**DCAO**/FCEN-UBA)





- **PhD** in Atmospheric and Oceanographic Sciences
 - The PhD candidates usually obtain fellowships (stipends) from some funding agency

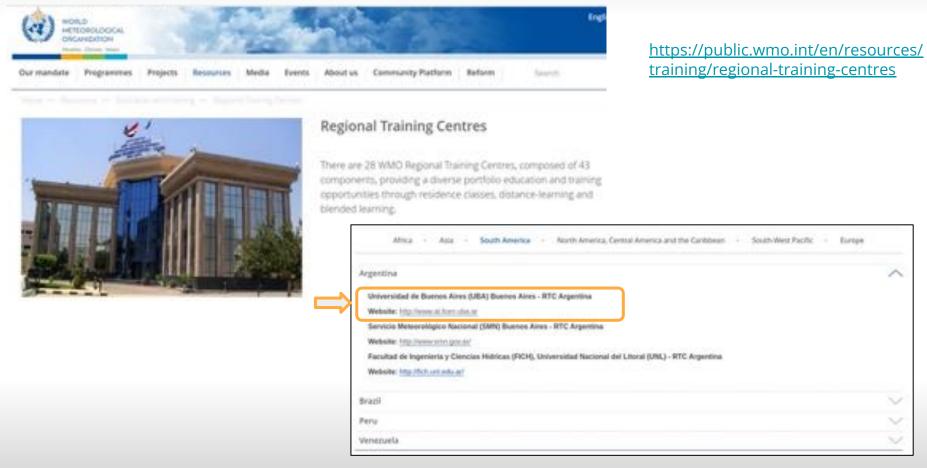
CONICET







DCAO is one of the WMO Regional Training Centres





View of the new building "O+Infinito" where the Department of Atmospheric and Oceanic Sciences (DCAO), and some of the CIMA research groups, are located within Ciudad Universitaria Campus



View of the "Pabellón 2" building where some of the CIMA research groups are hosted, within Ciudad Universitaria Campus



Useful links:



University of Buenos Aires (*Universidad de Buenos Aires*)

https://uba.ar/



School of Sciences (Facultad de Ciencias Exactas y Naturales)

https://exactas.uba.ar/



Department of Atmospheric and Oceanic Sciences (Departamento de Ciencias de la Atmósfera y los Océanos)

http://at.fcen.uba.ar/

Other public universities that offer undergraduate degrees on Atmospheric Sciences:

National University of La Plata (UNLP, Buenos Aires Province, Argentina) Department of Astronomical and Geophysical Sciences

- "Licenciatura" in Meteorology and Atmospheric Sciences (5 years)
 - https://unlp.edu.ar/carreras de grado/licenciatura en meteorolo gia y cs de la atmosfera-3709

Other public universities that offer undergraduate degrees on Atmospheric Sciences:

National University of the Comechingones (San Luis, Argentina) Department of Environmental Sciences and Water management

- "Licenciatura" in Atmospheric Sciences and Applied Meteorology (5 years)
 - http://www.unlc.edu.ar/licenciatura-en-ciencias-de-la-atmosferay-meteorologia-aplicada/

DCAO and CIMA concentrate the larger portion of the Atmospheric and Oceanographic scientific community in Argentina

CIMA: Research Centre of the Sea and the Atmosphere

A **shared institution** between **UBA** (University of Buenos Aires) and **CONICET** (Argentina's National Research Council of Scientific and Technological Research)



http://www.cima.fcen.uba.ar

IFAECI: Instituto Franco-Argentino Sobre Estudios del Clima y sus Impactos

- **Partner** of two French institutions (**CNRS** and **IRD**) and two Argentinean ones (**UBA** and **CONICET**)
- ☐ IFAECI is currently focused in promoting a large and multidisciplinary array of scientific **interactions between**France and Argentina



http://www.cima.fcen.uba.ar/ifaeci.php

Some research branches at CIMA and DCAO

Extremes

Observed and projected **Climate extremes**

Impact studies related water resources, agricultural and urban areas issues in South America

Land-atmosphere interactions and temperature extremes

Regional climate

Regional Climate **mechanisms** and its impacts

Evaluation of **solar radiation** management impacts at regional and local scale

Biology

Biometeorology

Microbial biodiversity and their responses in the context of global **change**

Monitoring and forecasting

Climate **monitoring** and statistical mid-term (monthly-to-seasonal) **forecasting**

Nowcasting

Air quality

Some research branches at CIMA and DCAO

Modeling

Process studies

Oceanography

Regional **Statistical** Modeling

Regional Climate Modeling

Hydrological modeling

High-resolution modeling

Dynamics of Climate **Variability** and **Change** over South America

Physical processes in the atmosphere on **meso**- and **synoptic** scales.

Remote sensing for study of precipitating systems

Processes and Modeling of the Argentine **Continental Shelf** and the **Río de la Plata Estuary**

Coastal Dynamics

Southern Ocean **Physical Oceanography**

You can find more information about the research themes and researchers on both websites





http://www.cima.fcen.uba.ar

http://at.fcen.uba.ar/

Public universities in Argentina are free for everyone, including non-argentinians. We invite you to come to Argentina and study any of the atmospheric and oceanographic degrees.

Successful experience in the past with candidates doing a joint PhD between UBA and French universities.

CIMA usually receives interns from abroad that come to do their bachelor or master theses.

We are open to any possibility of collaboration!

The University of Buenos Aires will host two relevant scientific events during 2022

We invite you to join!

VI Convection-Permitting Climate Modeling Workshop

7-9 September 2022, C. A. Buenos Aires, Argentina

Hybrid mode!

The main topics of the present edition are:

- The added value of convection-permitting climate simulations
- Mechanisms of extreme events by using very high resolution model
- Event-based storyline approaches to climate change
- South American high resolution modeling research activities
- Towards global convection-permitting modeling
- Co-production of climate impact information based on convective permitting models and observations
- Relation between climate modeling impact studies policy makers communities
- Benefits of convection-permitting climate modeled data for impacts assessments and policy making

http://www.cima.fcen.uba.ar/cpcmw2022/



CONGREMET XIV - 7th - 11th November, 2022.

"Environmental Sciences for Social Transformation"

Main themes:

- 1. Productive activities
- 2. Prevention and characterization of environmental risks
- 3. Public Health
- 4. Plurality of Perspectives in Environmental Sciences
- 5. Atmospheric and ocean forecast and its applications
- 6. Atmospheric and ocean processes
- 7. Methodological and technological developments in environmental sciences
- 8. Atmospheric and ocean variability
- 9. Communication and appropriation of environmental sciences

http://cenamet.org.ar/congremet/en/programa/areas-tematicas/

Buenos Aires city









Argentina



Thank you for your attention!

Any questions?

Get this presentation:



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