## **GLOBE LAC RCO**



# Argentina

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Function: Coordinadora Nacional Alterna

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#### Organization and Staff Number:

**GLOBE** Program Argentina

Members:

- 1 National Coordinator: Marta Kingsland
- 2 Alternate National Coordinator: María Marta G. de Daneri
- 3 Zone Coordinator: Claudia Romagnoli (Santa Fe)
- 4 Zone Coordinator: Ana Prieto (Junín de los Andes)
- **Operational Secretary: Graciela Martínez** 5











Funding:

No external funding

## Collaborating Organizations/Individuals:

- University of Business and Social Sciences (Headquarters of the GLOBE Program Argentina)
- U.S. Embassy in Buenos Aires

# GLOBE Schools: 250

# GLOBE Protocol Areas:

- Atmosphere
- Biosphere
- Hydrosphere
- Pedosphere (Soil)
- Earth System

# Number of Schools Reporting Data Last Year:

- 9 (2023)
- 15 (2024 to date)

Program Implementation, International Cooperation within the GLOBE Network, and Activities from the Past Year (Categorized by the Goals of the GLOBE Strategic Plan 2018-2023):

- 1. Education
- At the request of the **Ministry of Education of the Province of Jujuy**, a Virtual Workshop on **"Atmosphere"** and **"Hydrosphere"** (Mosquito Larva Protocol) was conducted from July to October 2023.



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 A semi-presential workshop on "Atmosphere," titled "With Eyes on the Sky" was held in Rosario, Santa Fe Province, organized by the Zonal Coordinator and Mentor Trainer Claudia Romagnoli, from April 6 to 27, 2024.



- A face-to-face workshop on "Atmosphere," titled "A Glimpse at the Sky" was held in Santa Elena, Entre Ríos Province, conducted by the Zonal Coordinator and Mentor Trainer Claudia Romagnoli, from June 28 to 29, 2024.
- Officials from the **Ministry of Education of the Province of Chaco** have contacted this Coordination expressing their interest in the **GLOBE Program** and the possibility of conducting a Virtual Workshop. Probable date: September/October 2024.

- In collaboration with the **GLOBE Regional Office – LAC** and the **Country Coordinator of Chile**, we are organizing a series of virtual meetings in anticipation of the upcoming Annular Solar Eclipse on October 2, which will be visible in Argentine/Chilean Patagonia. Additionally, we are coordinating with GLOBE Educators in the area affected by the astronomical phenomenon to ensure the active participation of students through their observations and measurements.

2. <u>Science</u>

## Club de Ciencias Huechulafquen

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- GLOBE 2024 International Virtual Science Symposium. IVSS 2024. "Influence of trees on summer temperatures in Junín de los Andes, Patagonia, Argentina". Marzo <u>2024</u>. Profesora: Ana B. Prieto.

- Presentation at <u>ActNow 2024!</u> organized by the ENO Program India, Environment On-line (ENO). June 4-5, 2024. Urban trees in Junín de los Andes. Professor: Ana B. Prieto

- Presentation at the <u>Virtual Science Fair 2024</u> organized by the GLOBE Program Regional Office for Latin America and the Caribbean. June 25-26, 2024. Influence of trees on summer temperatures in Junín de los Andes, Patagonia, Argentina. Professor: Ana B. Prieto



- Presentation of the <u>poster</u> "Influence of trees on summer temperatures in Junín de los Andes, Patagonia, Argentina" at the 2024 GLOBE Annual Meeting in Fredonia, USA.

## Universidad Nacional del Comahue

- We won the <u>100K Strong in the Americas</u> grant to develop a climate action plan that incorporates the Biosphere and Atmosphere protocols for collaborative research between both countries.
- **March and April 2024.** GLOBE Program Workshop. Biosphere and Atmosphere Protocols at the Universidad Nacional del Comahue.
- Presentation of the <u>poster</u> "Strengthening Climate Education through North-South Collaboration: The University of Texas at Tyler and the Universidad Nacional del Comahue Partnership" at the 2024 GLOBE Annual Meeting in Fredonia, USA.
- **August 2024.** We hosted the group from the University of Texas at Tyler, conducted a workshop, and took tree height measurements among other activities. <u>Report</u>.
- Collaborative Activity: "Be Like the Jacaranda! A Blooming Project Together." The project was carried out by Marcela Fernández, GLOBE Educator and Director of Kindergarten 183, and Emiliano Vinocur, GLOBE Educator and Trainer, Professor at Technical Professional School 449.
  - The activity highlights seasonal changes observed by preschool children with the support of students, future chemical technicians, who worked together, expressing through observations, stories, and artistic activities, the seasonal changes seen in tree leaves.
- "The study of trees at school 1345 in Pujato-Argentina- as a benefit of the environment" Coordinated by Mentor Trainer Claudia Romagnoli with the collaboration of GLOBE educators Rosalia Poggiani and Virginia Romagnoli.
  - The activity corresponds to the interdisciplinary collaborative presentation on different tree species, where students aged 12 to 13 years observed





the characteristics of different species. It also related to Earth as a System, climate change, and carbon storage.

## Work presented at IVSS:

- pH Analysis in different water sources: mill, well, potable, and reverse osmosis treated.
- Influence of trees on summer temperatures in Junín de los Andes, Patagonia, Argentina
- "Restoration project: How the creation of biological corridors could affect the presence of butterflies and environmental variables"
- Trees in Haras Santa María Urbanization, Loma verde, Escobar, Buenos Aires, Argentina.
- "Analysis of the Tree Coverage Change in Loma Verde, Buenos Aires, Argentina over the Last 13 Years"
- Quantitative Study of Trees at the Technical School of Acebal (Santa Fe, Argentina)
- Characteristics of some trees in the "De las Colectividades" and "Sunchales" Parks of Rosario, Argentina
- A shade for Victoria city
- "El latido del CEIBO. Descubriendo su esencia"

## 3. <u>Community</u>

- Teachers were asked to complete a consultation form about their GLOBE activities in the classroom, their achievements, and difficulties, to get an overview of the reach of the GLOBE Program in the country. June 2024. Most did not have problems implementing GLOBE in the classroom, but some reported difficulties in uploading information.
- Working groups, including representatives from Argentina:
  - Ana Prieto, member of the Technology Working Group
  - o Paula Paez, member of the Science Working Group
  - o Marta Kingsland, member of the Evaluation Working Group
- Participation in the Annual Meeting July 2024
  - Marta Kingsland presented the poster "From Classrooms to Citizen Science: How Argentine Schools Foster Climate Awareness Through the GLOBE

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Marta Kingsland also presented, in a panel discussion, the interdisciplinary collaborative work "The Study of Trees at School 1345 in Pujato, Argentina, as a Benefit for the Environment"



- Southernmost School on the Continent: Contact has been reestablished with the teachers from **School No. 38 "Presidente Raúl Ricardo Alfonsín"** located at Base Esperanza, Argentine Antarctica. Due to the fact that families at the base stay for one year, performing their various functions, the assigned teachers are continually being replaced, which has led to interruptions in their GLOBE activities. Our goal is to restart these activities; therefore, we are organizing virtual meetings to advance the management of these activities.
- Argentina, participating in various regional campaigns: **"Trees within LAC"** organized by the Regional Office, highlighted the active participation of GLOBE students and educators representing different schools in our community.
- **"Butterfly Monitoring"**: A collaborative project between Peru, Uruguay, and Argentina, continuing throughout the present year.

#### <u>Technology</u>

- We highlight the creation of a new Video Tutorial for using the GLOBE Observer App for Cloud Observation, created by a GLOBE student who participated in the competition organized by the National Coordination, in collaboration with the U.S. Embassy.
- We are setting up the foundations for a new competition, in conjunction with the U.S. Embassy, which will invite all GLOBE students. The theme will be "Tree Height," using the GLOBE Observer App.

## **Communications**

- Ongoing contact with GLOBE teachers via email and social media.
- Initial outreach to teachers who create their accounts on the official Program website, offering the support they may need.

## Plans and Ideas for the Next Year

- **"Train the Trainers" Workshops**: We plan to hold semi-presential workshops, understanding that while virtual learning allows participants to organize their





schedules, applying what is learned in field practice enhances comprehension. A virtual workshop will be organized for the upcoming teachers who will be in charge of the classroom at Base Esperanza, Argentine Antarctica. The GLOBE Program has sparked significant interest among education ministry officials in various provinces of the country, so virtual workshops for new interested parties are not ruled out, as has been done in recent years. Argentina will offer spots in future virtual workshops to colleagues from the region, which can be utilized by teachers from that community.

- With the support of the U.S. Embassy, we have the opportunity to organize new competitions for both teachers and students.
- We will continue to promote GLOBE through social media (FB, IG) with stories, reels, etc.
- We plan to visit schools in our community with the goal of organizing GLOBE activities in the classroom with students.
- We will remain attentive to organizing GLOBE activities aligned with topics of interest to teachers and/or students.



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