



TREES Within LAC

Results of the first year (2023) New campaign (2024)



















During the first year of the campaign, the objective was to:

Identify the most common tree species in Latin American and the Caribbean countries, describing their phenophases and the variables related to their development.





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We seek to improve the knowledge about the ecosystems in which trees grow, describing the existing problems and proposing solutions.





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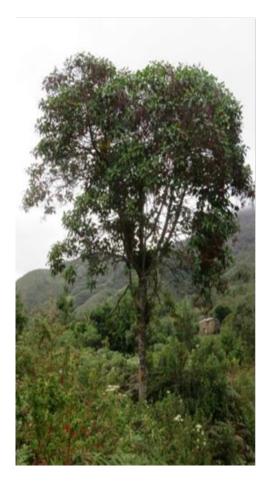
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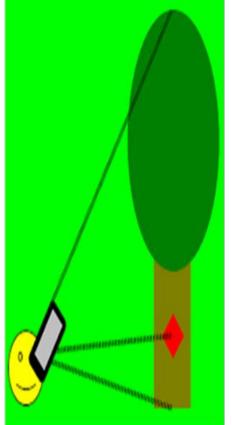
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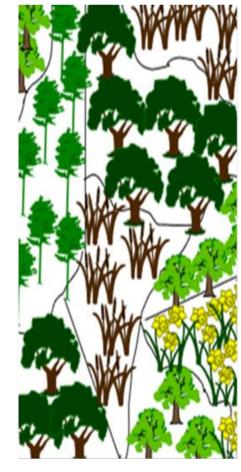
Specifically, we wanted to know:











What are the most important tree species in the region?

Comparing the phenological phases of trees common in the region.

Measuring tree height

Measuring the diameter of trees



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Characterize the cover of the sites where the trees grow

Identify the environmental variables that influence tree growth

Recognize the importance of trees for educational communities.

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In addition, the campaign aimed to contribute to the achievement of some important SDGs















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The campaign offer an opportunity for teachers to have new tools to make their classes more meaningful and improve students' perception of their environment.















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The campaign was launched in February 2023 with a series of planned activities



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SUMMARY

- -Planning
- -Webinars
- -Protocols
- -Guest presenters
- -Contest to choose the logo for the campaign
- -Tutorials and other resources in 3 languages
- -Completion of online modules
- -Incentives for field trips
- -Incentive to present project at the regional
- meeting
- -Measurements
- -Collaborative Padlet
- -List of entered species
- -Project advice to present to the IVSS

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During 2023 we had interesting results, among which the following stand out:



A logo chosen after a drawing contest with 258 submissions from 8 countries

NOAA













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Estudiante: Mayerli E. Juárez Escuela: Centro Educativo Buganvilia País: Guatemala



The Campaign in numbers

ltems	Numbers
Total registered to the campaign:	566
Total people who have attended the webinars:	405
Total number of teachers, schools or citizen scientists who have carried out measurements in the campaign:	110 (13 ne
Countries that submitted data:	18 (Argenti Colombia, C Guatemala, Dominican F Uruguay)















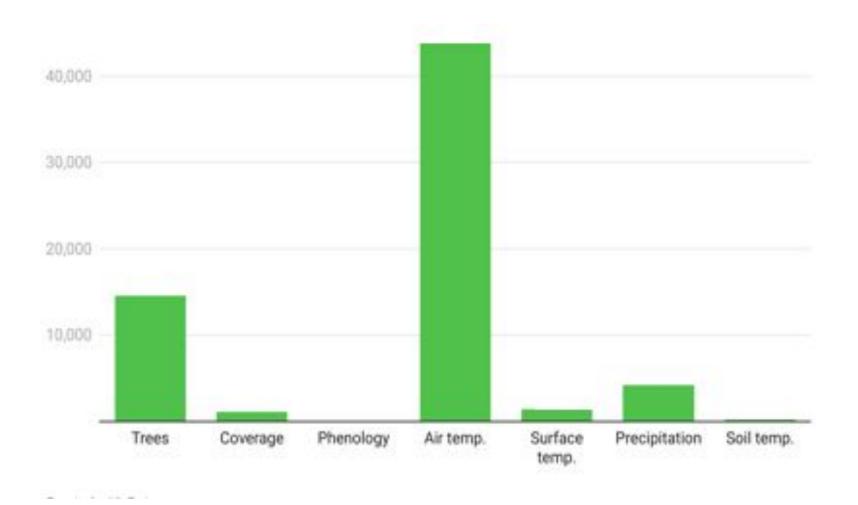
ew schools in September)

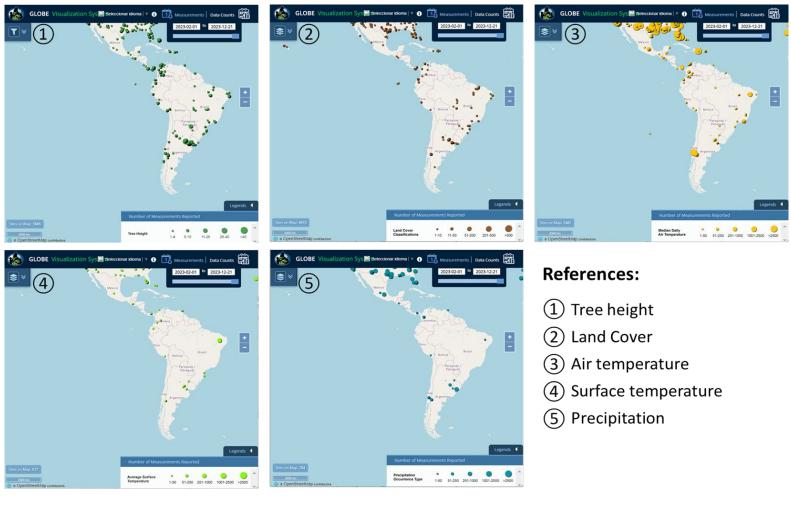
ina, Bahamas, Belize, Brazil, Chile, Costa Rica, Ecuador, El Salvador, , Mexico, Panama, Paraguay, Peru, Republic, Suriname, Trinidad & Tobago,

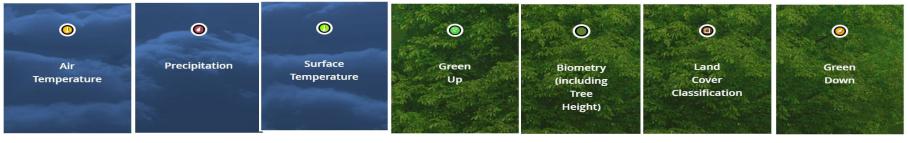




A total of 66067 data using 7 GLOBE protocols from which 14971 data were from trees ≥ 2 3







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Enterolobium contortisiliquum (Vell.) Morong



Jacaranda mimosifolia D. Don



Schinus molle L.







Syagrus romanzoffiana

Common tree species shared in the Padlet







Araucaria











Populus alba





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Erythrina crista-galli L.

5 Mentions

4 Mentions

Peltophorum dubium (Spreng.) Taub



Tecoma stans (L. Juss. Ex Kunth)

Phytolacca dioica L



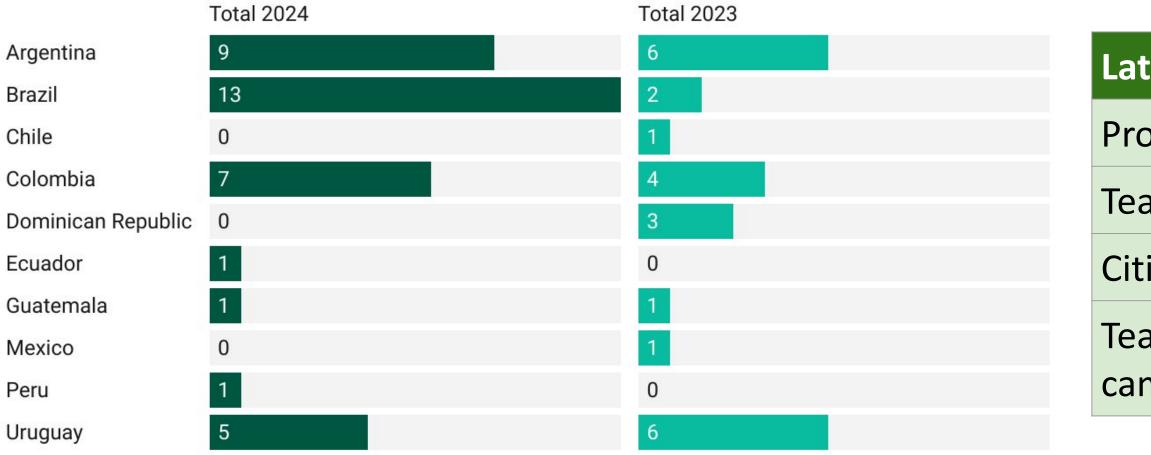
Tipuana tipu (Benth.) Kuntze

3 Mentions



Projects for the IVSS 2024:

GLOBE LAC - Student Research Reports - IVSS



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tin America and Caribbean - IVSS 2024			
ojects:	37		
achers:	23		
tizen scientists:	2		
achers registered for the mpaign:	19		

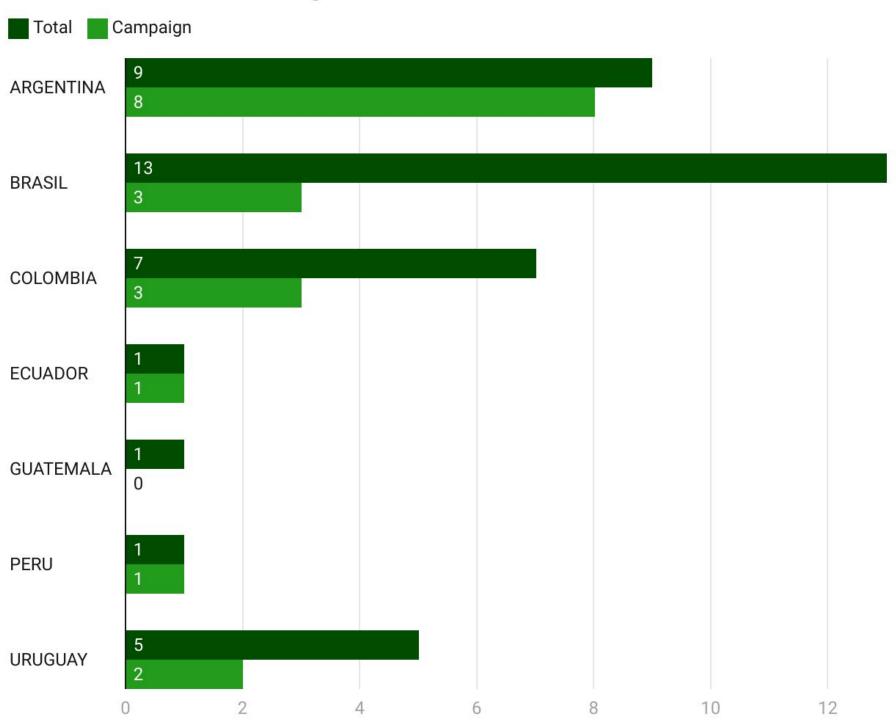








Student Research Reports - IVSS 2024



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Student Research Reports - IVSS 2024

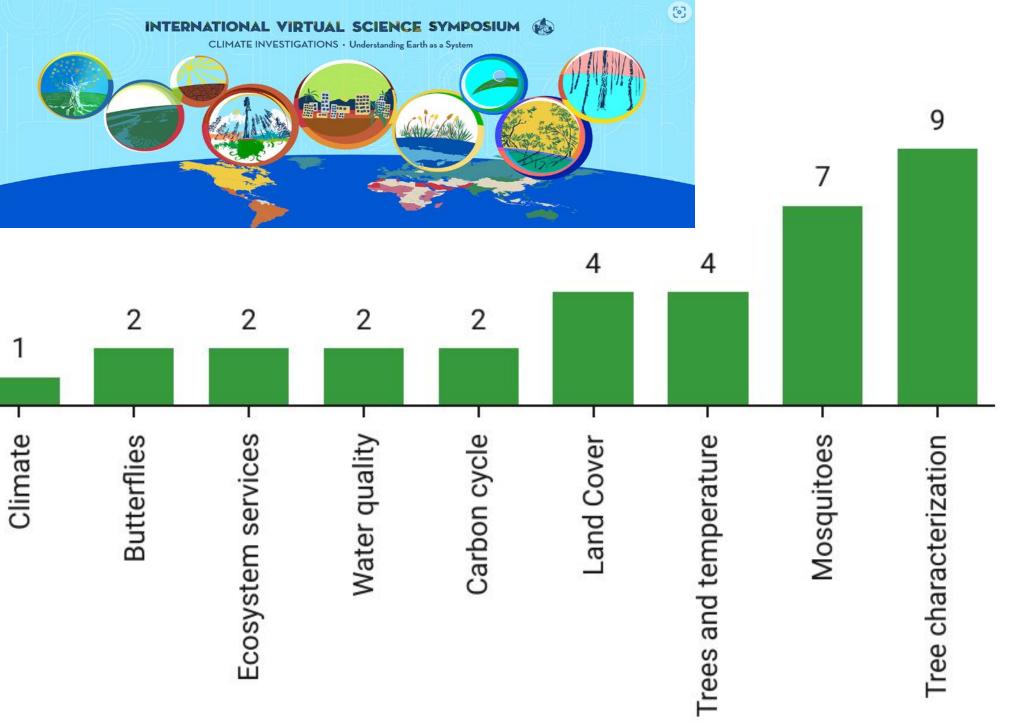


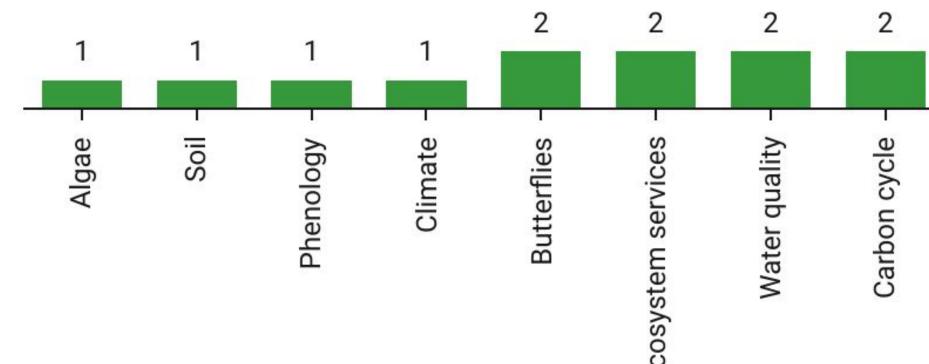
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Project topics





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IVSS 2024 - Regions

Africa	12
Asia and Pacific	81
Europe and Eurasia	35
Latin America and Caribbean	27
Latin America and Caribbean	37
Near East and North Africa	37 50

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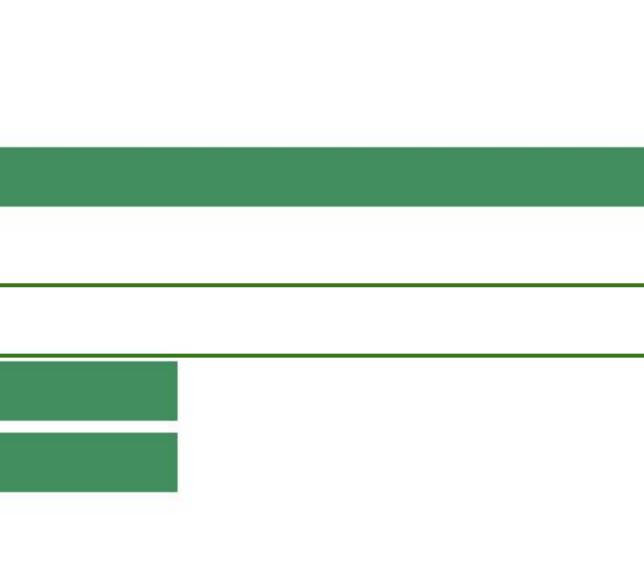


NOAA









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Webinars: February - July



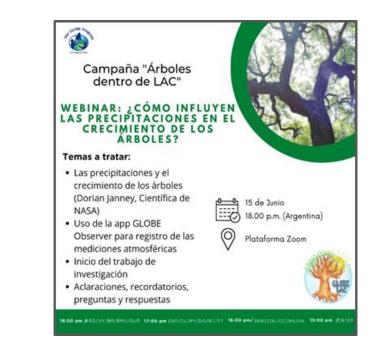
129 participants



88 participants



125 participants



38 participants





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94 participants



32 participants





Webinars: August - December





41 participants

72 participants



30 participants

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Orador

(Ingeniero Forestal, Universidad Agraria La Molina, Perú)



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65 participants



34 participants





Guests to the webinars



Dorian W. Janney (United States)



Brian Campbell (United States)



Ricardo Villalba (Argentina)



Gladys Tello (Peru)



Elisa Dalgalarrondo (Uruguay)













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Monique Pool

Geneviéve Sontowinggolo (Surinam)



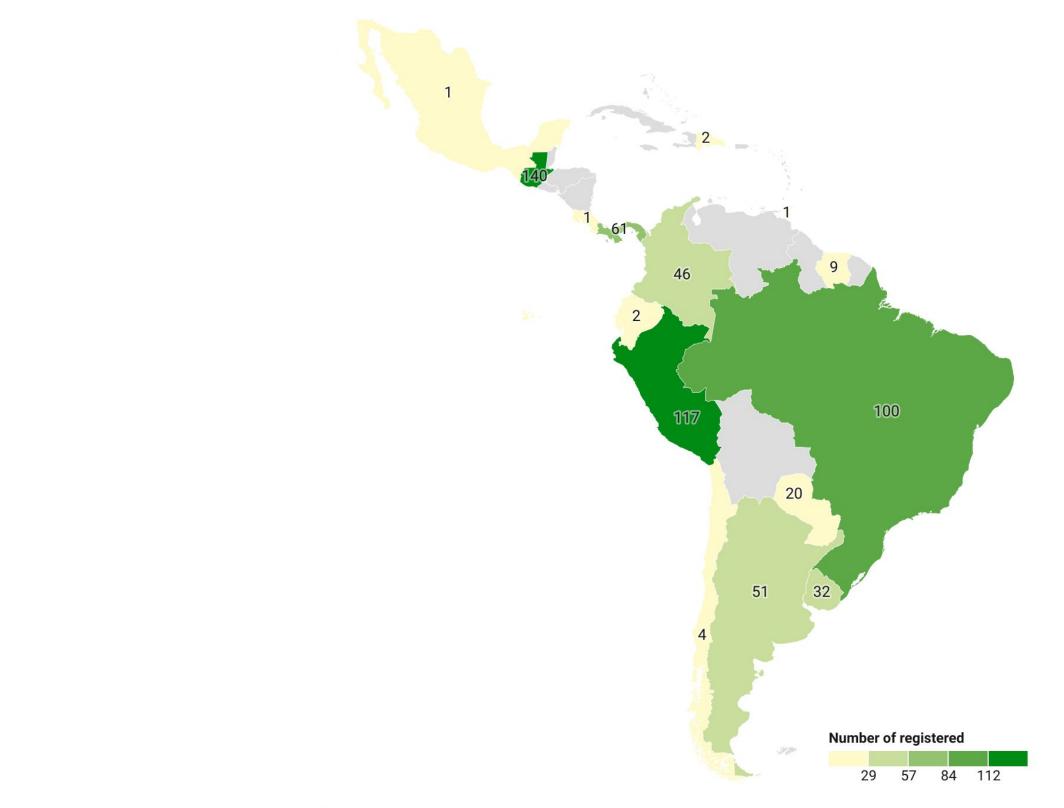
Ignacio Larco Roca (Peru)

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Countries of origin of those registered for the campaign

GLOBE





Tutorials prepared for the campaign

- Tree height with GLOBE OBSERVER application (Spanish, Portuguese and English)
- Tree height with clinometer (Spanish, Portuguese and English)
- Land coverage (Spanish, Portuguese and English)
- Canopy and ground cover (Spanish)
- View and download data (Spanish and Portuguese)
- Uploading precipitation data to GLOBE OBSERVER (Spanish and Portuguese)
- Uploading Air Temperature data to GLOBE OBSERVER (Spanish and Portuguese)
- Uploading Surface Temperature data to GLOBE OBSERVER (Spanish and Portuguese)
- Uploading Tree Height data to the GLOBE website (Spanish)









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Incentives for participation

Five stipends of US\$300 each were awarded to 5 teachers from different educational centers for field trips with their students to a park or nature reserve where they could perform other measurements for the campaign.

A total of 10 applicants applied.

Profesor / Teacher:	Escuela / School:	País / Country:
Emiliano Vinocur	EETP N° 449 "Pago de los Arroyos" y EPPI N° 1345 "Nuestra Señora del Carmen"	Argentina (Acebal y Pujato)
Juan Manuel Martínez	Escuela No. 88 Alfred Nobel (rural)	Uruguay (Canelones)
Erquinio Taborda	Semillero de Investigación en Ciencias Espaciales (SICE)	Colombia (Baranquilla)
Maria Fernanda Kielmanowicz	Colegio de la Mesopotamia	Argentina (Victoria)
Raúl Rocha	Institución Educativa Carlos Vieco Ortiz	Colombia (Medellín)









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Incentives for participation

Regional Meeting in Panama:

6 teachers and 6 students were chosen to attend the 2023 LAC Regional Meeting. They could choose to bring a second student at their own expense.

The students participated in activities organized for them, with other children from the host country and the teachers participated in the regional meeting and the training that was developed.

12 applications were submitted.



Profesor / Teacher:	Escuela / School:	Estudiante/ Student:	País / Country:
María Fernanda	Colegio de la Mesopotamia	Victoria	Argentina
Kielmanowicz		Zanoni (12)	(Victoria)
Emiliano Vinocur	EETP N° 449 "Pago de los Arroyos" y EPPI N° 1345 "Nuestra Señora del Carmen"	Juan Manuel Hernández (18)	Argentina (Acebal y Pujato)
María Inés Amato	St. Luke's College	María Pilar Bartrons (14)	Argentina (Buenos Aires)
Juan Felipe	Grupo de Investigación	Diego Andrés	Colombia
Restrepo	Biontessori	Luna (15)	(Cartagena)
María Marta	St. Luke's College	Felipe Sanes	Argentina
Gutiérrez		(15)	(Buenos Aires)
Juan Manuel	Escuela No. 88 Alfred Nobel	Bruno	Uruguay
Martínez	(rural)	Acevedo (11)	(Canelones)













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Presentation of Research Reports at the Regional Meeting of Panama



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Student experience at the Panama Regional Meeting Field trips









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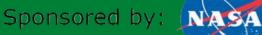


What's coming this year

A new phase

The Year of Climate and Carbon

Campaign registration link: https://acortar.link/B9k8mY





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This year the campaign will focus on:

Analyze the relationship of changes in climatic variables in the development of trees and land cover throughout the year in the study sites.







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HE GLOBE PROGRAM

Specific objectives:

Measure tree height and diameter to identify growth patterns and trends of change (ecological succession).

Observe and record the phenological response (leaf color, flower, fruit) of the trees to climatic variables throughout the year.

Determine the carbon storage capacity of the measured trees.

Describe land cover changes where trees grow by identifying drivers of change.

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Contribute to climate literacy by understanding their teleconnections to explain various events that impact socio-ecosystems

Recognize the most important tree species in the region

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Expected results



Biometry and phenology records of trees observed throughout the year.



Records of climatic variables throughout the year.



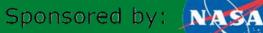
Estimation of the carbon storage potential of the trees studied



Calendar with popular trees in the region



Training actions to explain conceptual and procedural elements of the campaign





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Research relating land cover change and use to climatic variables



Narratives on trees, climate and carbon in the region

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Planned activities

- -Webinars
- -Protocols
- -IOP (Intensive Observation Period)
- -Guest presenters
- -Tree photography contest
- -Tutorials and other resources in 3 languages
- -New learning activities
- -Conducting virtual workshops/online modules
- -Measurements
- -Collaborative padlets
- -List of popular species uploaded by participants
- -Project advice to present research projects to the IVSS













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New challenges

Photo Contest:

Contest for students from elementary school to college.

The rules will be launched on March 1 and the contest will run from that date to April 15.

• Link to the contest: https://forms.gle/vBzNXc5cHAJE29h96







TREES WITHIN LAC' **CAMPAIGN YEAR 2**



Photography Contest

"Celebrating Connection Between Trees, Climate, and People"



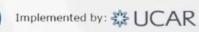
Registration link in the description

DEADLINE OPEN UNTIL APRIL 15TH









New challenges

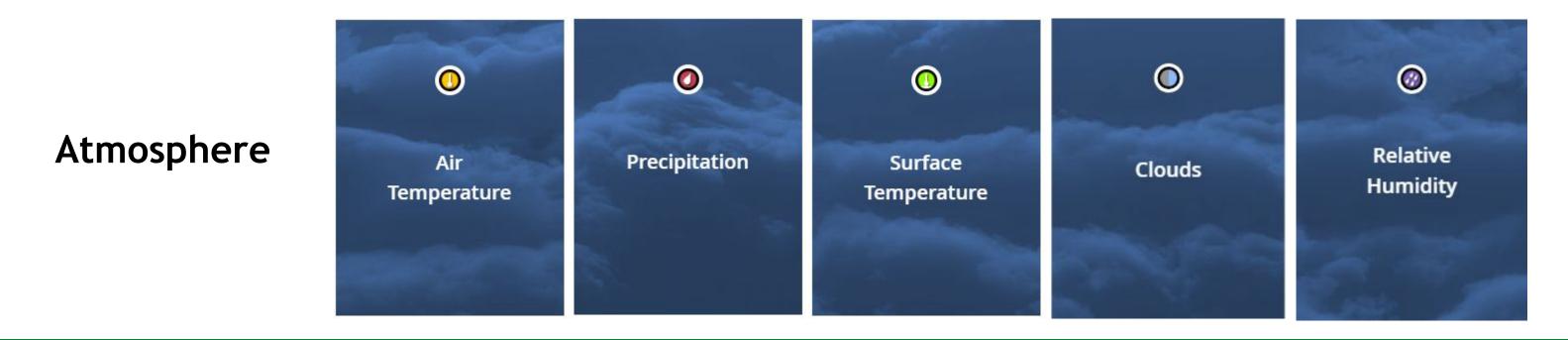
Student Podcasts

Interviews with outstanding students from the LAC region about their projects and future research.



Protocols to be used in the campaign





Biosphere



IOPs (Intensive observation periods)

Campaign IOPs:

- April 1 to May 10, 2024 (Fall)
- July 1 to August 10, 2024 (Winter)
- October 1 to November 10, 2024 (Spring)

Optional: (considering the Caribbean school year) - January 15 to February 15, 2024

<u>Recommended:</u> registration of at least **two protocols** in each period













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GLOBE LAC Campaign Team Leaders



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¡Muchas gracias! Thank you so much! Muito obrigada!

> ¿Preguntas? Questions Perguntas?

