



Global Young Academy: first GYA Latin America and the Caribbean Science Leadership Program (GYA LAC SLP)

Paulina



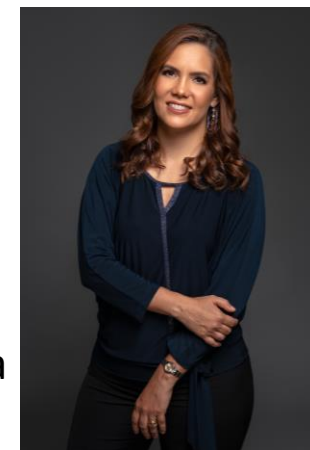
Nadia



Luciana

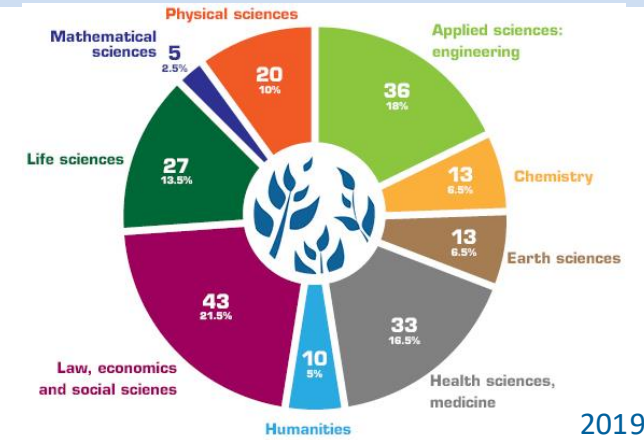


Sandra

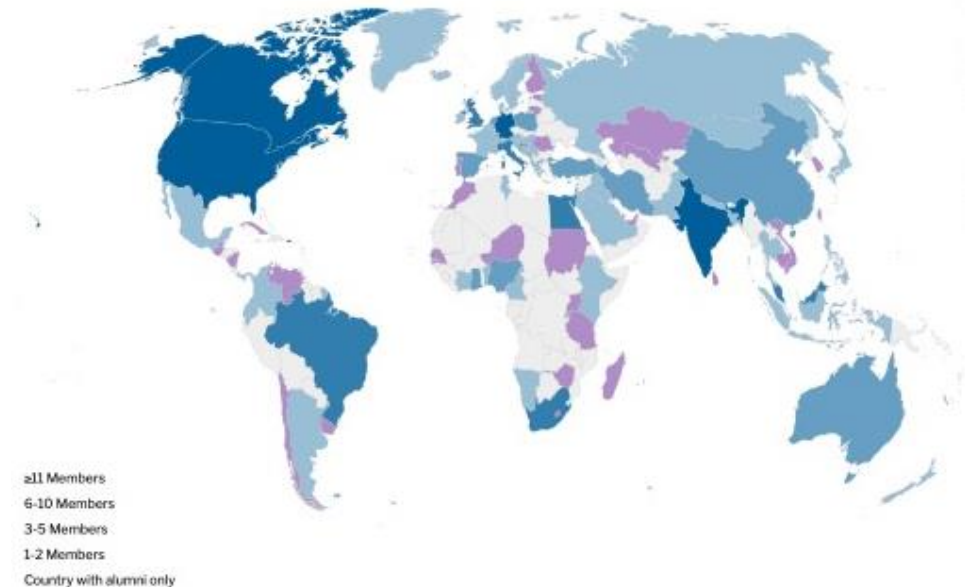


Global Young Academy

- **Vision**
 - To give a voice to young scientists around the world
- **Mission**
 - **Empower outstanding early to mid-career scientists and scholars** to lead international, interdisciplinary and intergenerational dialogue, both with each other and with external stakeholders
 - Develop, connect and mobilise young talent from six continents
 - Promote reason and inclusiveness in global decision-making
 - Create a better world

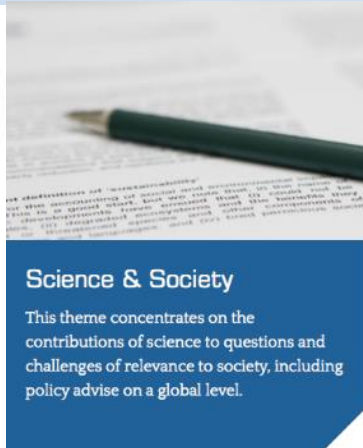


2019/20



Global Young Academy

Activities – Themes



GYA & the SDGs



The GYA as a global organisation supports the 2030 UN Sustainable Development Goals (SDGs). GYA activities, outputs and statements are linked here in the context of how they contribute to these 17 international goals.

- **Projects in the Americas, Latin America and the Caribbean**
 - **Science Diplomacy in the Americas**
 - Co-leads: Paulina Carmona-Mora, Luciana Balboa
 - **Global State of Young Scientists**
 - Co-leads: Nadia DeLeon, Sandra López-Vergès, Paulina Carmona-Mora
 - **GYA/IAP grant: Science Leadership Program in LAC (in Spanish)**
 - Co-leads: Paulina Carmona-Mora, Sandra López-Vergès, Nadia DeLeon, Luciana Balboa

Global State of Young Scientists (GloSYS)

- **Project examining the state of early career researchers across the globe**
- Precursor study in 2014
- First Regional GloSYS study (GloSYS ASEAN) in 2017 (7 countries)
- Finishing largest GloSYS study to date - GloSYS Africa (14 countries)
- Issues of interest:
 - Mentoring and support structures
 - Working conditions
 - Infrastructure/funding access
 - Gender
 - Mobility

**GloSYS LAC: Began in 2019:
Review, Interviews, and soon Survey.**



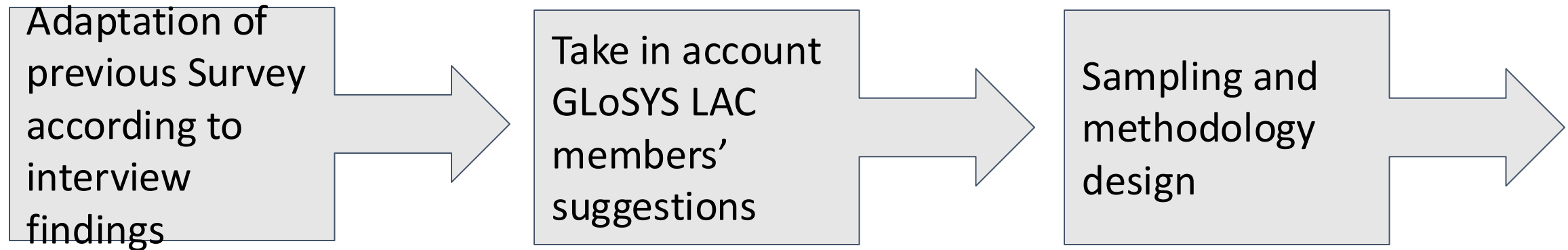
*Major goal of the GloSYS studies:
use the data collected to develop
evidence-based policy
recommendations that support
young scientists*

GLoSYS Latin American and the Caribbean (LAC)

•**Report authors:** Alejandro Miranda-Nieto, Franziska Schreiber, Lynn McAlpine

Your copy of the report:

https://globalyoungacademy.net/wp-content/uploads/2022/09/The_Global_State_of_Young_Scientists_in_Latin_America_and_the_Caribbean_a2u.pdf



Regarding: contextual factors relevant to ECRs research environments, including mobility patterns, financing, mentoring, gender and diversity, institutional governance, and more.

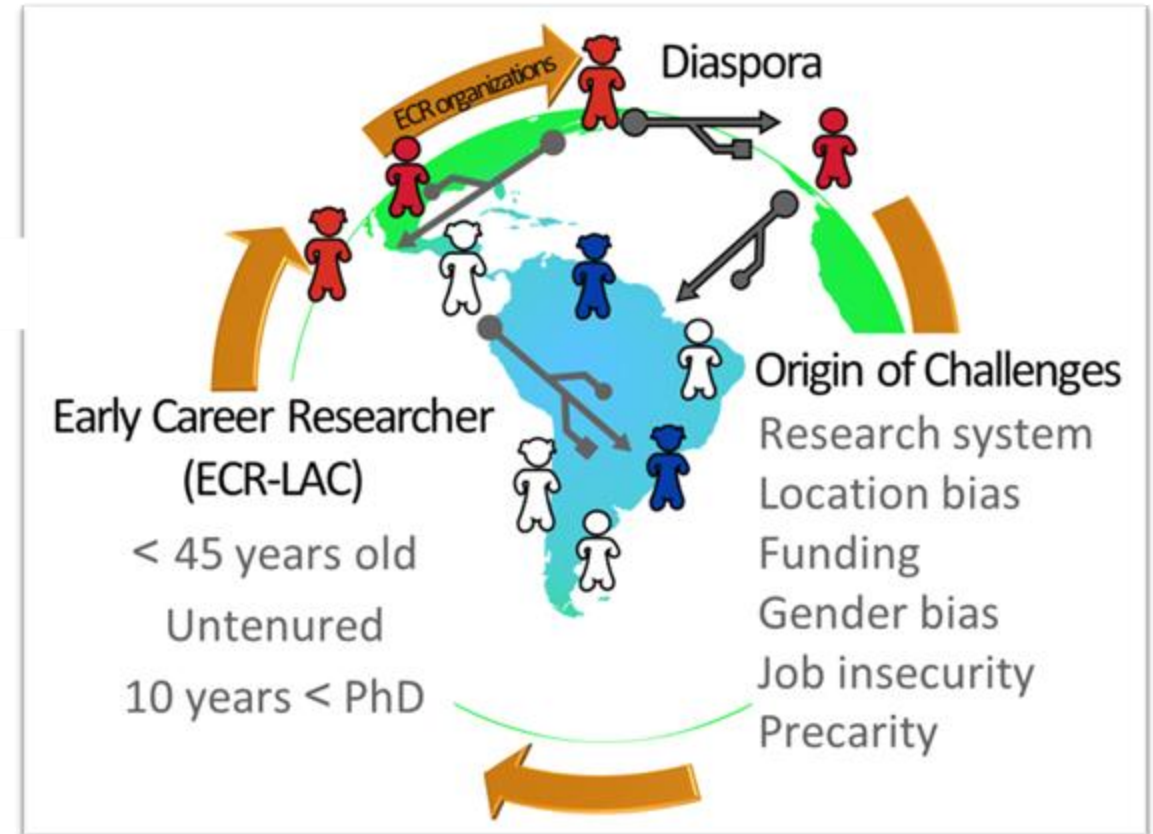
How to support early career researchers in Latin America and the Caribbean?

OPINION article

Front. Res. Metr. Anal., 14 May 2021 | <https://doi.org/10.3389/frma.2021.657120>

Call to Action: Supporting Latin American Early Career Researchers on the Quest for Sustainable Development in the Region

 Sandra Lopez-Verges¹,  Fernando Valiente-Echeverría²,  Alex Godoy-Faúndez³,  David Fernandez Rivas⁴,  Bernardo Urbani⁵,  Juan José Berger⁶ and  Paulina Carmona-Mora^{7*}



GYA SLP LAC: possible thanks to



With the participation of:

KNOWINNOVATION 

It takes a village...

- GYA Office support
- IAP co-PIs: Paulina Carmona, Sandra López, Luciana Balboa, Nadia de Leon.
- Partners and **Neil Guerrero**
- GYA panellists and brief reviewers:
 - Alma Hernandez
 - Clarissa Rios
 - Felix Moronta
 - Luisa Echeverria
 - Alex Godoy
 - Carlo Altamirano

The process

More than 260 applications from a big part of LAC.

20 fellows:

Health sciences, biology, social sciences,
chemistry, physics, engineering,
biotech, education, etc.



Eligibility: the context matters

A LAC-SLP fellow is someone who:

- Has a **Masters** or PhD in any discipline.
- Has less than **45 y.o**, and/or last degree in the last 10 years, and/or not having a permanent position.
- Is working in academia or non profit organization.
- Has a record of scientific production.
- Has a record of service: public, to society from science, to the research system, outreach, etc.

Science Leadership Latin America and the Caribbean

[GYA Home](#) • [Activities](#) • [Research Environment](#) • [Science Leadership Latin America and the Caribbean](#)



8-month program in Spanish

GYA SLP tools to young & middle-career scientist in the LAC region

Fellows will reflect and analyze on current challenges LAC young researchers face.

Focus on a policy brief to impact their research systems.

Science Leadership Latin America and the Caribbean

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- **6 online sessions:**

Fora with partners, short workshops on policy briefs and science communication.

Learn from science advocates in LAC and their experiences with the research systems and stakeholders.

- **In-person SLP workshop**

In person SLP workshop:

National University of Colombia, Leticia campus 1-2 Dec, 2022



NOT a capital city

Leticia: in the heart of the Amazon forest and South America, a common place for the Latin America identity, the lung of the world, a forgotten land.

Three borders: Colombia, Brazil and Peru.

Land of several indigenous communities

Economically lagging

Common challenges in LAC, collective solutions



GYA Vision and Mission

Science leaders in context



Fellows inside a traditional Maloca

A collective transformative experience...

“The SLP helped me to confirm that us, scientists from LAC will have to create our own game to better support our region...We need a different type of leadership, supported by inclusion, humility, inquiry, reflexion and strategy.”

“(The SLP) is a space that allows to leave pre-concepts to find common points and re-value our strengths and weaknesses.”

“My heart is now full of this sense of belonging and responsibility to support the change our region needs.”

“...we go back renewed, knowing that we are not alone in this fight and commitment for the development of our countries and region”

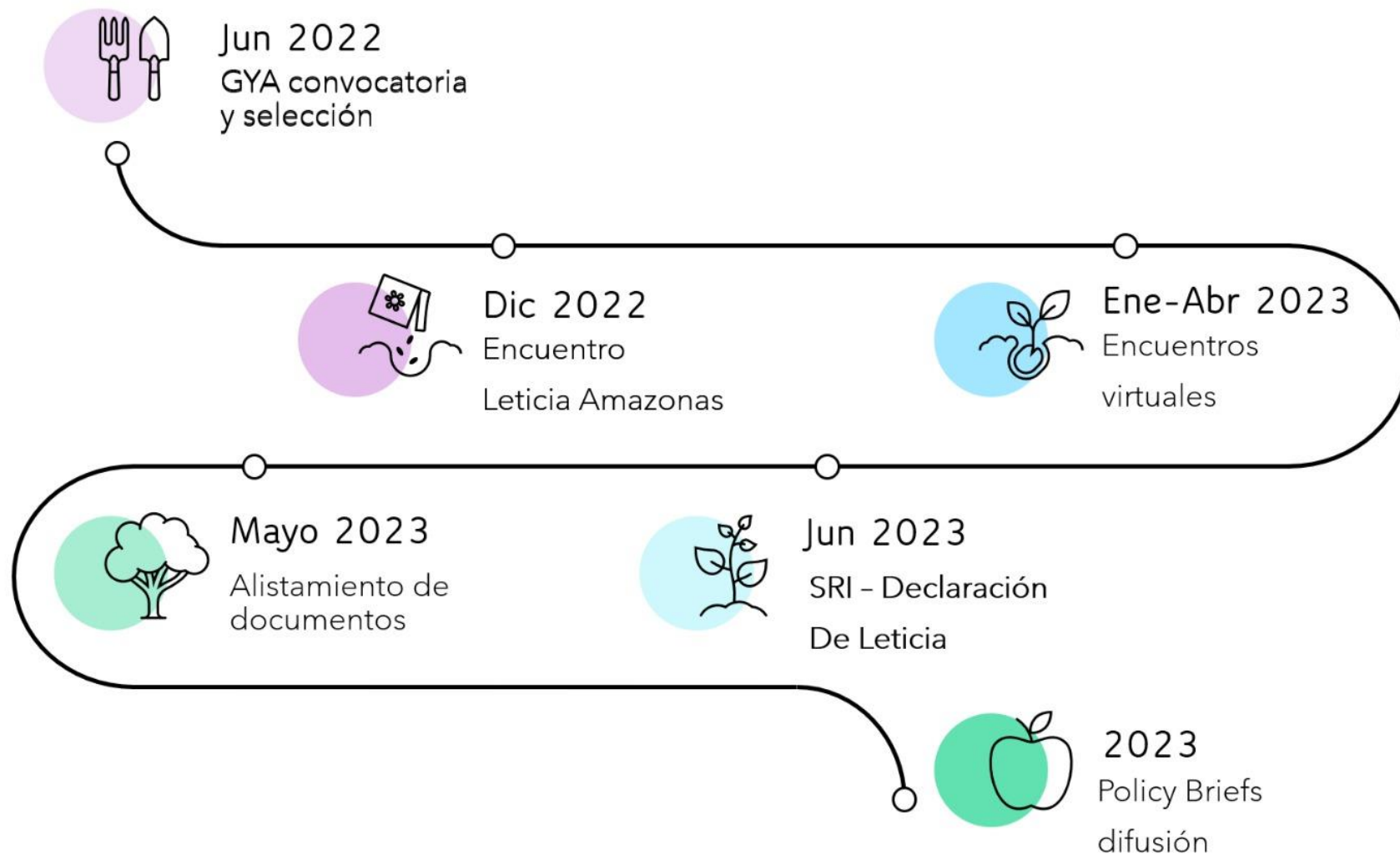
“If the challenges join us, the solutions too!”

NUESTRA EXPERIENCIA

PROGRAMA DE LIDERAZGO CIENTÍFICO EN AMÉRICA LATINA Y EL CARIBE (LAC-SLP)

John Arboleda, COMFAMA, Medellín, Colombia







DECLARACIÓN
LETICIA

POLICY BRIEF

Transformando el futuro STEM: visibilización de la responsabilidad social de jóvenes en la academia de Latinoamérica y el Caribe

Evelyn Rondon-Jara, Universidad Privada del Norte, Lima, Perú,
María Isabel Arroyo Arroyo, Universidad de Antioquia seccional Bajo Cauca, Colombia.
Xavier Chiriboga Morales, Consultor ecólogo de insectos perjudiciales-Una Salud, Quito, Ecuador
Eunice Enríquez, Universidad de San Carlos de Guatemala, Guatemala, Centro América.
Paz Guarderas, Universidad Politécnica Salesiana, Quito, Ecuador
Margarita Bernales, Pontificia Universidad Católica de Chile, Santiago, Chile.
Jennifer Marcela López-Ríos, Universidad de Antioquia, Medellín, Colombia.



INFOGRAFÍA: CASOS DE ÉXITO

Iniciativas de jóvenes de la academia, inclusión de género y STEM

CASOS DE ÉXITO
RESPONSABILIDAD
SOCIAL DE LOS
JÓVENES DE LA
ACADEMIA

1

CASO 1. LABORATORIA

PAÍS ORIGEN: PERÚ
COBERTURA: CHILE, MÉXICO, BRASIL, COLOMBIA, ECUADOR
LÍDERESA: MARIANA COSTA
IMPACTO: 3000 EGRESADAS Y 87 % DE GRADUADAS, +85% EMPLEABILIDAD



2

CASO 2. MUJERES LÍDERES EN STEAM

PAÍS ORIGEN: MÉXICO
COBERTURA: MÉXICO Y NORTE AMÉRICA
LÍDERESA: REBECA VARGAS
IMPACTO: EL 98 % DE MUJERES ENTRÓ A CARRERAS RELACIONADAS CON ÁREAS STEM



3

CASO 3. CENTROS COMUNITARIOS DIGITALES

PAÍS DE ORIGEN: GUATEMALA
COBERTURA: GUATEMALA
LÍDER: SUSANA ARRECHEA
IMPACTO: 1360 MUJERES Y NIÑAS INDÍGENAS



4

CASO 4. SHE IS

PAÍS ORIGEN: COLOMBIA
COBERTURA: PERÚ, COSTA RICA, ECUADOR.
LÍDER: NADIA SANCHEZ
IMPACTO: 16.000 BENEFICIARIAS.



POLICY BRIEF



IMPLEMENTAR UN MAPA REGIONAL DE BUENAS PRÁCTICAS DE RESPONSABILIDAD SOCIAL RELACIONADO CON LA REDUCCIÓN DE LA BRECHA DE GÉNERO.



SOCIALIZAR INICIATIVAS DE INNOVACIÓN EN BENEFICIO DE LAS MUJERES EN ÁREAS STEM.



PROMOVER DIÁLOGOS TRANSDISCIPLINARIOS E INTERINSTITUCIONALES EN LA REGIÓN



CONFORMAR GRUPOS DE JÓVENES EN LA ACADEMIA QUE LIDEREN INICIATIVAS EN LA REDUCCIÓN DE BRECHAS DE GÉNERO



POLICY BRIEF



**DECLARACIÓN
LETICIA**

Dialogar, participar y cooperar como claves para el desarrollo de la ciencia latinoamericana

Solange Paredes, U. San Martín de Porres, U. Peruana de Ciencias Aplicadas, Perú.

Laísa Freire dos Santos, Universidade Federal do Rio de Janeiro, Brasil.

Melina Flórez-Cuadros, U.S. Naval Medical Research Unit No. 6, Perú.

Federico Vargas Lehner, Universidad Nacional de Asunción, Paraguay.

John Arboleda, COMFAMA, Medellín, Colombia

Diana Betancurth Loaiza, Universidad de Caldas, Colombia

Maria Antonieta Daza Millone, CONICET-UNLP, La Plata, Argentina

Lina Becerra, Universidad del Valle, P. Universidad Javeriana, Colombia





DECLARACIÓN
LETICIA



DIÁLOGO DE SABERES

Diálogo con
Comunidades

Ciencia
Interdisciplinar

CIENTÍFICOS Y GOBIERNO

Pasantías

Científicos en
Gobierno

Organizaciones

REDES DE DIÁSPORA

Mentorías

Ciencia
Colaborativa

IMPACTO DEL LAC-SLP

**HABILIDADES DE LIDERAZGO Y CONCIENCIA SOBRE LA
IMPORTANCIA DE ABORDAR DESAFÍOS CIENTÍFICOS DESDE UNA
PERSPECTIVA HOLÍSTICA**

**COMUNICACIÓN
EFECTIVA**

**GESTIÓN DE
PROYECTOS**

**ABORDAJE
MULTIDISCIPLINARIO**

- **Foro Mundial de Ciencias (2022)**
- **GYA Annual General Meeting (2023)**
- **Falling walls foundation**
- **Seminarios multidisciplinarios internacionales**
- **Difusión de programa**
- **Aplicación de las herramientas de LSP**
- **Cartas al editor**