

ISC Regional Focal Point *Latin America and the Caribbean* 2022



Regional Focal Point
for Latin America
and the Caribbean



International
Science Council



**International
Science Council**

Launch of a new ISC regional presence in Latin America and the Caribbean 2022

“The Colombian Academy of Exact, Physical and Natural Sciences is extremely honored to have been chosen to become the Regional Focal Point for Latin America and the Caribbean of the International Science Council. We are committed to contribute to the ISC’s vision of science as a global public good, and to implement the ISC 2022 – 2024 Action Plan Science and Society in Transition, with its five priority domains. This will be done at the regional level but within the framework and context of a globally distributed and disciplinary diverse membership. Since the RFP-LAC is the first of several regional presences to be established by the ISC, we hope to be a source of inspiration to the other regional presences, and we look forward to working very closely with the Governing Board as well as with ISC Members and other stakeholders in the region”.

Enrique Forero, Honorary Member and former President of the Colombian Academy of Exact, Physical and Natural Sciences (2013-2022)



ISC RFP-LAC Action Plan

Five domains of impact:

1. LAC sciences in the pursue of regional and global sustainability
2. Interdisciplinary collaboration in the digital age
3. Science for policy, and science advice
4. Collaboration between academia, public and private sectors, and civil society
5. Science education and the establishment of scientific and research infrastructure in the lac region

Regional Focal Point
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and the Caribbean



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A STRATEGIC VISION FOR THE REGIONAL VOICE OF SCIENCE IN LATIN AMERICA AND THE CARIBBEAN

Members of the Liaison Committee: Enrique Forero, Chair, RFP-LAC-ISC, Dora-Luz Flores, Graciela Díaz de Delgado, Germán Gutiérrez, Elisa Reis, Ana Rada, Daniel Peluffo, Luis Sobrevia, Luisa Echeverria-King, Silvina Ponce Dawson, Carmen Samayoa, Adelle Thomas.



International
Science Council
The global voice for science



Dominican Republic, March 2023.



SRI, Panama City, June 2023.



SRI, Panama City, June 2023.



1 **ISC RFP-LAC VISION**

The RFP-LAC-ISC will act as a reference point for science in Latin America and the Caribbean, leading regional initiatives on topics related to sustainable development and contributing to decision making at the regional and global levels based on pertinent scientific evidence.

2 **ISC RFP-LAC MISSION**

The RFP-LAC-ISC has as its mission to be the consultative body and the regional voice of science, promoting research and facilitating collaboration among the scientific community in the region and the world. Our objective is to support capacity building and to promote inclusion and diversity in science and technology throughout the region. We work closely with the civil society, governments, international organizations, and the private sector to identify regional needs and opportunities in key issues for our countries. We are committed to the principles of freedom, responsibility and ethics in science, equity and inclusion, interdisciplinarity and regional and global integration.



**ISC RFP-LAC
STRATEGIC LINES**

RFP-LAC ACTIVITIES

Point 7f. Scientific publishing-related matters.

1.13 Increase publication in Open Science journals	Permanent in 2023	RFP-LAC-ISC and CODATA
1.14 Capacity building, adding an inventory of local journals with the aim to signing agreements for publication and outreach.	Permanent in 2023	Committee Members Germán Gutiérrez, Graciela Díaz de Delgado and Ana Rada

Point 7g. Issues related to freedom and responsibility in science.

1.15 Informing the ISC's Freedom and Responsibility in Science Advisory Body about cases in the LAC region	Permanent in 2023	Committee Member Dora Luz Flores about Mexico
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Point 7k. Science education.

1.16 A document on education will be prepared by the RFP-LAC with contributions from several members and several countries, to be submitted to the ISC.	May – September 2023	RFP-LAC-ISC
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f. Strategic goals point 10. Building the profile of the ISC as the global voice for science.

1.17 Secure the presence of the ISC in many regional events	Permanent in 2023	RFP-LAC-ISC
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Enrique Forero Gonzalez. 1942 - 2023



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ISC RFP-LAC Director Helena Groot de Restrepo

- Helena Groot de Restrepo is a Colombian microbiologist and geneticist, full professor at the Department of Biological Sciences and the Faculty of Medicine of the Universidad de los Andes.
- Director of the Human Genetics Laboratory of the Faculty of Sciences since 1984. Research on the **Molecular Epidemiology of cancer, Toxicological Genetics and Environmental Mutagenesis**.
- First female scientist in become **President of the Colombian Academy of Exact, Physical and Natural Sciences**.
- Distinguished Professor, University of los Andes Bogotá, Colombia, 2023.
- Honorary Member, National Academy of Medicine of Colombia, 2023. Honorary Member, Colombian Academy of Exact, Physical and Natural Sciences, 2021.
- Vice-president of “Colegio Máximo de Academias de Colombia”.
- Honorable mention in the “Women of Success 2013” Award, Science and Technology category, September 2013. / Aldona Gabriunas Award for Distinguished Teacher, Life and Work category, November 2011, Faculty of Sciences, Universidad de los Andes. / Recognition of her outstanding research career over the last 20 years as Director of the Human Genetics Laboratory, Department of Biological Sciences.
- Recognition for her “Dedication and valuable contribution to the development of the Department of Biological Sciences”, 50 years of the Department of Biological Sciences.



Helena Groot de Restrepo

ISC RFP-LAC Science Officer

- Ph.D. in **Biophysics**; MSc in Biotechnology and **Nanotechnology**. Postdoctoral studies in Microbiology, Protein Crystallography, Biochemistry, Molecular / Cellular / Structural Biology, Photochemistry and **Bioinformatics**.
- Member of the Steering Committee of the Latin America and the Caribbean Chapter of INGSA (International Network for Government Science Advice).
- Member of the Regional Scientific and Advisory Group within the Regional Office for the Americas and the Caribbean of the United Nations Office for Disaster Risk Reduction (UNDRR).
- Chair of the Colombian Chapter OWSD - Organization for Women in Science for the Developing World,
- Scholarships in Brazil from TWAS, CNPq, CAPES, FAPESP and from the Center for Biomembrane Research at Stockholm University.
- Scientific Advisor to the Research Support Foundation of the State of São Paulo (FAPESP) in Brazil, and to SENACYT in Panama,
- Ambassador for the Women Economic Forum – Colombia. Recently appointed as Global Advisor of G100: Mission Million group for the Global Alliances and Alumni wing.



Carolina Santacruz-Pérez



Latest Updates



BLOGS

The Latin American and Caribbean Liaison Committee appoints two new co-chairs

Ahead of next month's Global Knowledge Dialogue, Ana Rada and Luis Sobrevia have been appointed as Co-Chairs for the liaison committee for the Regional Focal Point for Latin America and the Caribbean.



Luis Sobrevia

Fellow of the Academy of Physiology of the International Union of Physiological Sciences and member of the Academy of Sciences of Latin America.



Ana Rada

National Academy of Sciences, Bolivia and Fellow of The World Academy of Sciences, TWAS.



Luis Sobrevia (Chile)

- BSc in Biology and Natural Sciences, MSc in Physiological Sciences, PhD in **Physiology and Medical Sciences**, postdoctoral training in vascular physiology at King's College London, University of London (UK). Diploma in Teaching from the Pontificia Universidad Católica de Chile (PUC).
- Fellow of The Physiological Society (UK) (FTPS), a Fellow of the Academy of Physiology of the International Union of Physiological Sciences (FIUPS),
- Member of the Academy of Sciences of Latin America (ACAL).
- Professor of Molecular Physiology and Medicine at the Faculty of Medicine at PUC, Honorary Professor at University of Queensland (Australia), Universidad de Sevilla (Spain), and São Paulo State University (UNESP, Brazil), Distinguished Research Professor at TecSalud, Tecnológico de Monterrey (Mexico), Visiting Professor at the University of Groningen (The Netherlands).
- Director of the Cellular and Molecular Physiology Laboratory (CMPL) at PUC, Executive Editor and member of the editorial board of several scientific/medical journals, IUPS Representative to Americas, immediate past-President of the Chilean Society of Physiological Sciences (2021-2023) and President of the Latin-American Association of Physiological Societies (ALACF) (until 2023).



Ana Rada (Bolivia)

- Bachelor's Degree in Biochemistry and Pharmacy (Universidad Mayor de San Andrés, UMSA. La Paz – Bolivia).
- Masters Degree in **Public Health** with a major in **Epidemiology**. She works at the Cytogenetics Unit, Genetics Institute, Medicine School UMSA, professor, assistant professor and guest professor in several national and international courses.
- Past-President of the Regional Committee for Latin America and the Caribbean of the International Council of Science (RCLAC ISC).
- Member of the National Academy of Sciences – Bolivia (ANC).
- TWAS Fellow of The World Academy of Sciences for the advancement of science in developing countries, Focal Point for Bolivia in the Women for Science program of the InterAmerican association of Science Academies (IANAS),
- Member of the Latin American Network of Biological Dosimetry.
- Member of the Organization for Women in Science for the Developing World.
- Member of the Bolivian Genetics Society.



Carmen Samayoa (Guatemala)

- Graduated in Biological Chemistry with a Masters in **Toxicology**.
- Occupied positions as President of the Academy of Medical, Physical and Natural Sciences of Guatemala and President of the Quality Commission of CONCYT.
- Membership and titles: Board of Directors of the College of Pharmacists and Chemists of Guatemala, founding member of the Association of Women in Science, Board of Directors of the Caribbean Scientific Community, Executive Committee and Focal Point of the Women for Science Program of the Network of Academies of America and the Regional Committee of the International Commission for Science.
- She was in charge of evaluating research projects of the General Directory of Investigation of the San Carlos University (DIGI) and the National Council of Science and Technology (CONCYT).
- As a researcher at the Central American Institute for Research and Industrial Technology, she has written 85 publications, as author and as co-author in international scientific publications.



Graciela Diaz de Delgado (Venezuela)

- **Chemistry** at Universidad de Los Andes (ULA) in Mérida, Ph.D. in Chemistry at Brandeis University, Massachusetts, USA (1983-1988).
- Full Professor since 2002 at the Crystallography Laboratory at ULA.
- She has been Chair of the Crystallography Laboratory, Chair of the Interdisciplinary Graduate Program in Applied Chemistry, and Director of Graduate Studies at the Faculty of Sciences.
- She has more than 70 publications in peer-reviewed and indexed journals and numerous presentations in national and international congresses.
- Member of the American Crystallographic Association (ACA), the International Centre for Diffraction Data (ICDD), the American Chemical Society (ACS), a founding member of the Venezuelan Society of Crystallography and of the Latin American Crystallographic Association.
- Serves in the Executive Committee and as Chair of the Sub-committee on the Union Calendar of the International Union of Crystallography (IUCr), the Board of Directors of ICDD, and is Section Editor of Acta Crystallographica E.

Luisa Echeverria-King

(Colombia)

- PhD in **Education** from Universidad de Murcia (Spain); researcher at Corporación Universitaria del Caribe (CECAR) in Colombia. She studied Translation, Linguistics and Cultural Studies at the Johannes Gutenberg Universität Mainz, Germany.
- She is Vice-President of the Colombian National Chapter of the Organization for Women in Science in the Developing World from UNESCO (OWSD).
- Fellow of the Warsaw School of **Science Diplomacy** and the Brazilian School of Science and Innovation Diplomacy. DAAD fellow for a course on Management of Internationalization, MASHAV fellow on a course on New Pedagogies for Higher Education. Fellow of the American Association for the Advancement of Science and of the World Academy of Sciences for a course on Science Diplomacy with a perspective on Southern countries.
- Executive Director of Diplocientífica.
- Researcher on issues related to international higher education, science diplomacy and the development of science, technology and innovation capacities in Latin America.
- She undertakes consultancies and projects at the interface of science, diplomacy and public policy. Course on Science Diplomacy in India (2020).



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Dora-Luz Flores (Mexico)

- **Computer engineer** and professor in the Department of Bioengineering at the Universidad Autónoma de Baja California (UABC), Ensenada, Mexico.
- MSc from Instituto Politécnico Nacional and her PhD from UABC.
- Member of the Sistema Nacional de Investigadores and heads the Bionanoengineering research group.
- She is editor-in-chief of the Mexican Journal of Biomedical Engineering 2022-2023.
- In 2018, she received a Fulbright-García Robles scholarship to carry out a research project at the University of California Irvine.
- She has served as an organizer in more than ten Mexican and international conferences, including CLAIB, MICAI, and CNIB.
- 30 peer-reviewed manuscripts and six book chapters. Her current research interest focuses on **artificial intelligence** applied to biological systems, simulation of complex systems, computational biology, and agent-based systems.

German Gutierrez (Colombia)

- Psychologist from the Universidad Nacional de Colombia (UNC). Masters and Ph.D. degrees in Psychobiology and Behavioral Neurosciences from the University of Texas at Austin, USA.
- President of the **International Union of Psychological Science**.
- Professor and director of the Laboratory of Animal Learning and Behavior at UNC.
- President of the Colombian Association of Psychology Departments and Faculties,
- Vice-President of the Colombian College of Psychologists.
- Associate Dean for Research.
- Chair of the Department of Psychology at UNC.
- President and Treasurer of the International Society for Comparative Psychology.
- He has organized multiple capacity-building activities leading to the creation of the Observatory of Psychology in Latin America.



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Elisa Reis (Brasil)

- Chair of the Interdisciplinary Research Network for the Study of Social Inequality (NIED).
- She was **Vice-President of the International Social Science Council (ISSC)**.
- Ph.D. in **Political Science** from the Massachusetts Institute of Technology.
- Fellow member of the Brazilian Academy of Sciences.
- Fellow member of the World Academy of Sciences (TWAS).
- Professor of Political Sociology at the Federal University of Rio de Janeiro (UFRJ).
- Scholarships from the Brazilian National Research Council (CNPq.), the Research Council of the State of Rio de Janeiro (FAPERJ), The Fulbright Commission, the Italian Consiglio Nazionale delle Ricerche.
- Visiting professor at the University of California at San Diego, Columbia University, MIT, and the Ludwig Maximilians Universitat, Munich.
- She was Vice-President of the Brazilian Academy of Sciences, Secretary of the Brazilian Sociological Society (SBS), and President of the National Association for the Social Sciences (ANPOCS).



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Adelle Thomas (Bahamas)

- Senior Fellow of the **Climate Change** Adaptation and Resilience Research Centre at University of The Bahamas and Caribbean Science Lead with Climate Analytics.
- **Human-environment geographer** (research focused on adaptation, loss and damage and vulnerability of Small Island Developing States (SIDS) to climate change).
- She has worked for over fifteen years on intersections between climate change adaptation, disaster risk management and sustainable development.
- She has authored a variety of academic publications.
- Served as a Lead Author on several Intergovernmental Panel on Climate Change (IPCC) reports including the Special Report on Global Warming of 1.5C, the Fifth Assessment Report and the Sixth Assessment Report, focusing on key risks across regions and sectors, limits to adaptation, loss and damage.



Daniel Peluffo (Uruguay)



- PhD in **Biochemistry**, Univ. of Buenos Aires, Argentina and a Postdoc in Biophysics/Electrophysiology, Univ. of Pennsylvania, USA.
- Full Professor of **Biophysics**, Director of the Group of Biophysical Chemistry, and Adjunct Associate Professor, Department of Pharmacology, Physiology and Neuroscience, Rutgers Biomedical and Health Sciences, New Jersey Medical School, Rutgers, The State University of New Jersey, USA.
- Chair of the Department of Biological Sciences, Centro Universitario Regional Litoral Norte (CENUR North Riverside), Salto Campus, Universidad de la República (Uruguay).
- President, Latin American Federation of Biophysical Societies (LAFeBS); Delegate on behalf of Uruguay, Asociación de Universidades del Grupo Montevideo (AUGM, International Association integrated by Universities of Argentina, Bolivia, Brazil, Chile, Paraguay and Uruguay).
- Counselor, Scientific Council for the Biology Area Program for the Development of the Basic Sciences (PEDECIBA, Ministry of Education and Culture, Uruguayan Government).
- Member, National System of Investigators (SNI, Uruguay), US Biophysical Society.



Silvina Ponce (Argentina)

- PhD in **Physics** from the Universidad de Buenos Aires (1988). Full Professor, University of Buenos Aires (UBA). She is a Superior Researcher, Argentinian National Research Council (CONICET) and President Designate, International Union of Pure and Applied Physics (IUPAP).
- Faculty representative on the Executive Council of the School of Sciences of UBA; Senior Associate, International Centre for Theoretical Physics (ICTP) of Trieste, Italy. Associate Member, ICTP-SAIFR, Sao Paulo, Brazil.
- Member of the Advisory Board of the National Program for Gender Equality of the Ministry of Science of Argentina.
- She is Divisional Associate Editor for Physical Review Letters and Associate Editor, Editorial Board of Biophysics for Frontiers.
- She was Chair (2005-2009) of the Physics Department, UBA and in charge of its outreach activities (2010-2016). She occupied positions on various advisory committees.
- She was Chair (2011-2014) of the IUPAP Working Group on Women in Physics, IUPAP Gender Champion (2017-2019) and member of the **Executive Committee of the ICSU-funded Gender Gap in Science Project.**



**ONGOING
ACTIVITIES ISC
RFP-LAC**



Centre for Science Futures

A think tank of the International Science Council (ISC)



Dr Mathieu Denis

Senior Director, Head of the Centre for Science Futures



Dureen Samandar Eweis

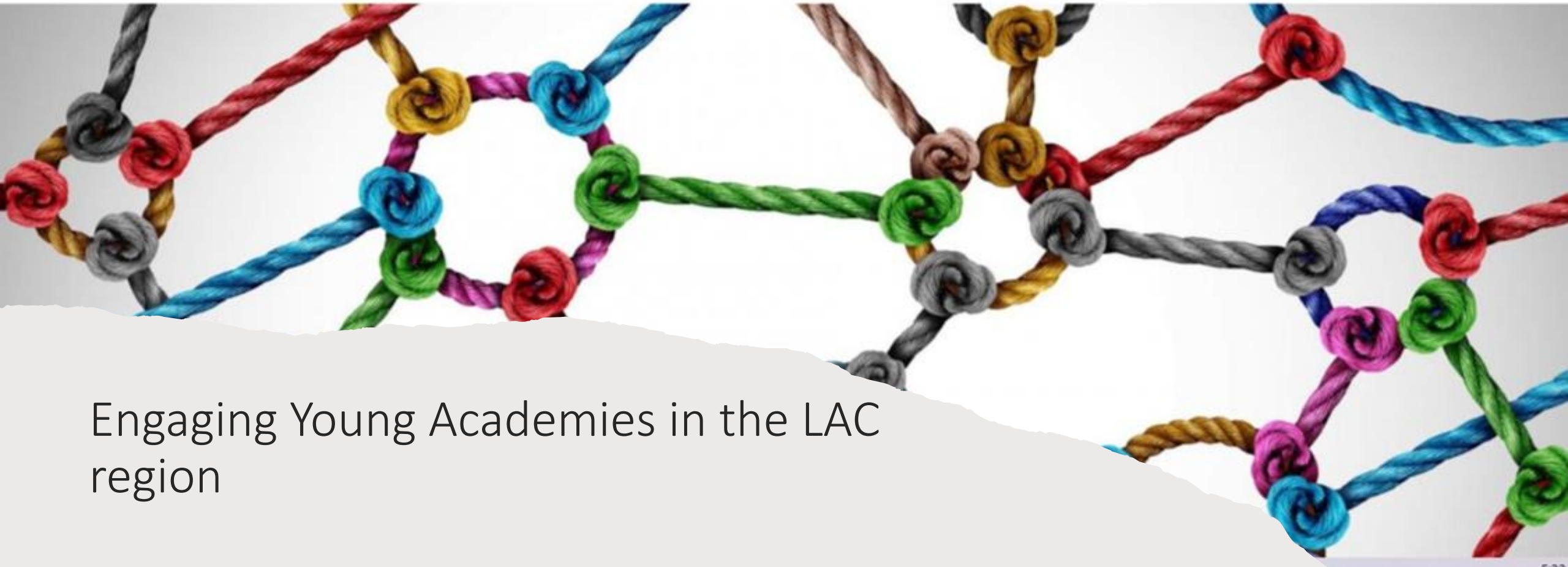
Science Officer



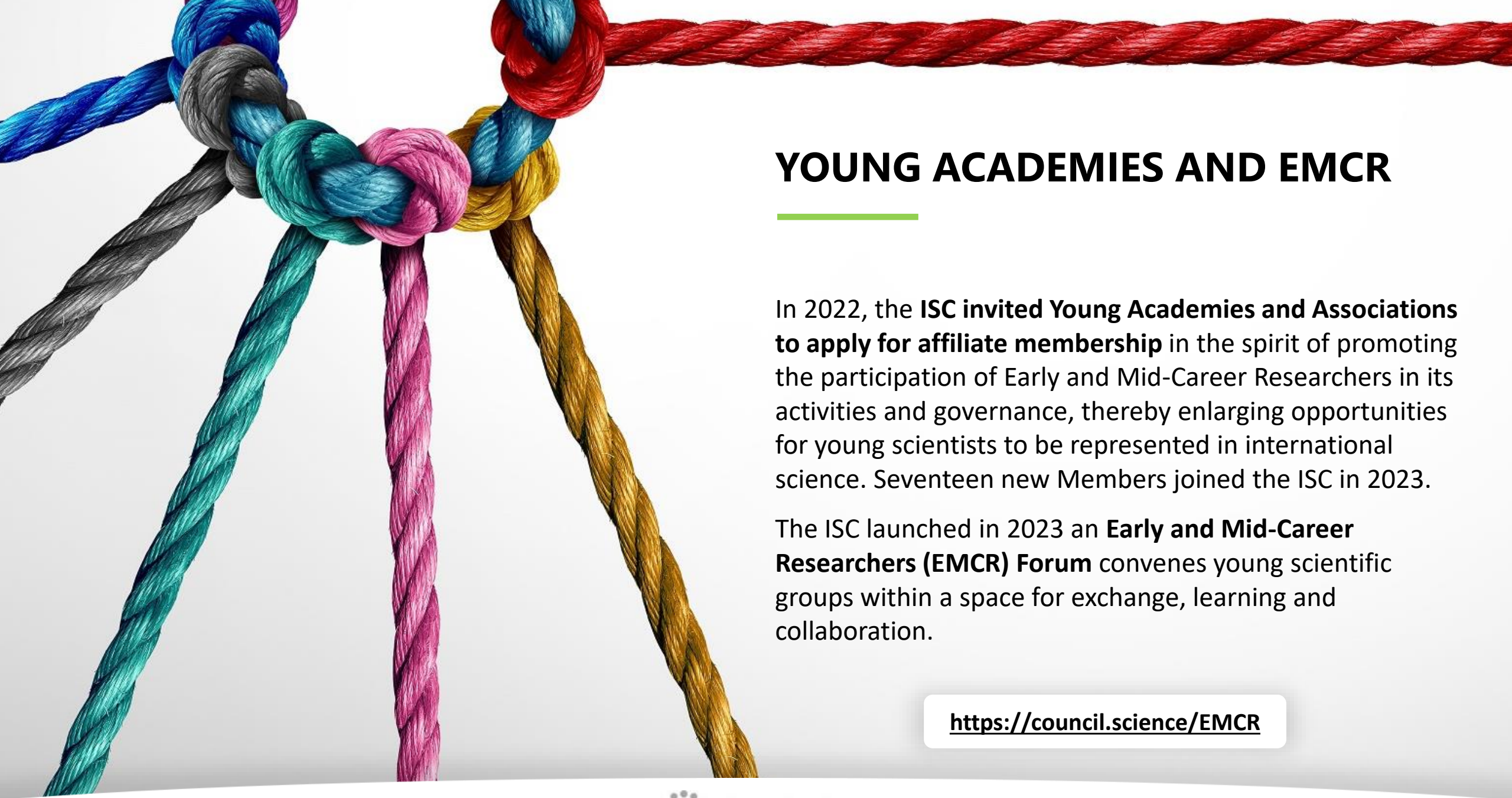


An invitation for eligible Young Academies and Associations to join the International Science Council as Affiliated Members

At a time when scientific advancements happen in a dynamic and fast-changing world, and science is needed more than ever to find solutions to multiple global challenges, the ISC is offering free Affiliate Membership to eligible young scientific groups.



Engaging Young Academies in the LAC
region



YOUNG ACADEMIES AND EMCR

In 2022, the **ISC invited Young Academies and Associations to apply for affiliate membership** in the spirit of promoting the participation of Early and Mid-Career Researchers in its activities and governance, thereby enlarging opportunities for young scientists to be represented in international science. Seventeen new Members joined the ISC in 2023.

The ISC launched in 2023 an **Early and Mid-Career Researchers (EMCR) Forum** convenes young scientific groups within a space for exchange, learning and collaboration.

<https://council.science/EMCR>



Gabriela Ivan

Membership Development Officer



**International
Science Council**

**ISC EARLY AND MID- CAREER
RESEARCHERS
(EMCR) NEWSLETTER**

[COUNCIL.SCIENCE/EMCR/NEWSLETTER](https://council.science/emcr/newsletter)

SCAN TO SUBSCRIBE





#MCAALatamCol2023

Thursday October 26th, 2023

MCAA Latam Conference 2023



**First Connections to Sustain Science in Latin America
Symposium - NASEM, 2024.**

Science Missions for Sustainability

Global Call for Pilot Missions
and for Visionary Funders
to support the missions

*Be part of game-changing collective action that shapes
the future of science and humanity*



**International
Science Council**



Katsia Paulavets
Senior Science Officer

Operations

Global Science Policy Unit

Mobilizing scientific and policy expertise in the UN and intergovernmental processes



Anne-Sophie Stevance

Senior Science Officer



Anda Popovici

Science Officer



James Waddell

Science Officer, Political Affairs
Liaison



Morgan Seag

Liaison to the UN system



H el ene Jacot des
Combes

Project Manager



Olivia Tighe

Administrative Officer

- Dedicated unit within the ISC secretariat
- Full time ISC representation in NYC and regular delegations to Geneva
- Seconded-experts from members and partners on specific projects (eg. UNEP Foresight)



POLICY BRIEF: Global Sea- Level Rise

Author: International Science Council (ISC)

Contributors: Théophile Bongarts Lebbe; John Church; Florence Colleoni; Michael Elliott; Jochen Hinkel; Héléne Jacot des Combes; Michelle Mycoo; Tim Naish; Joanna Post; Michelle Scobie; Anne-Sophie Stevance; Adelle Thomas; Roderik van de Wal; D.G. Webster

Coordination: Morgan Seag, ISC Liaison to the UN System

Acknowledgments: Special thanks to the Scientific Committee on Oceanic Research, Scientific Committee on Antarctic Research, Future Earth Coasts, Future Earth Ocean Knowledge Action Network, and IOC Global Sea Level Observing System



Members' engagement

- Project-based expert groups (e.g. plastic pollution treaty)
- Event-based expert groups (e.g. 2023 UN Water Conference)
- Nominations of speakers, experts, reviewers (e.g. GSDR)
- Statements (e.g. HLPF)
- Training (2024 training on science advice with INGSA)

Modalities

- Call for nominations of experts
- Roster of experts (pilot phase)
- Interface with UN missions (pilot phase)
- AI tool to search members' database of experts



**23rd Biannual CAS Conference, Trinidad and Tobago
2023**



4th International Conference on Small Island Developing States

Charting the Course Toward Resilient Prosperity

27-30 May 2024; Antigua and Barbuda

22-23 September 2024

Summit of the Future

Multilateral Solutions for a Better Tomorrow



UNEP LAC Foresight Workshop, Bogota 2023.



Megha Sud
Senior Science Officer

Activities and Opportunities

From the ISC to Latin America and Caribbean region



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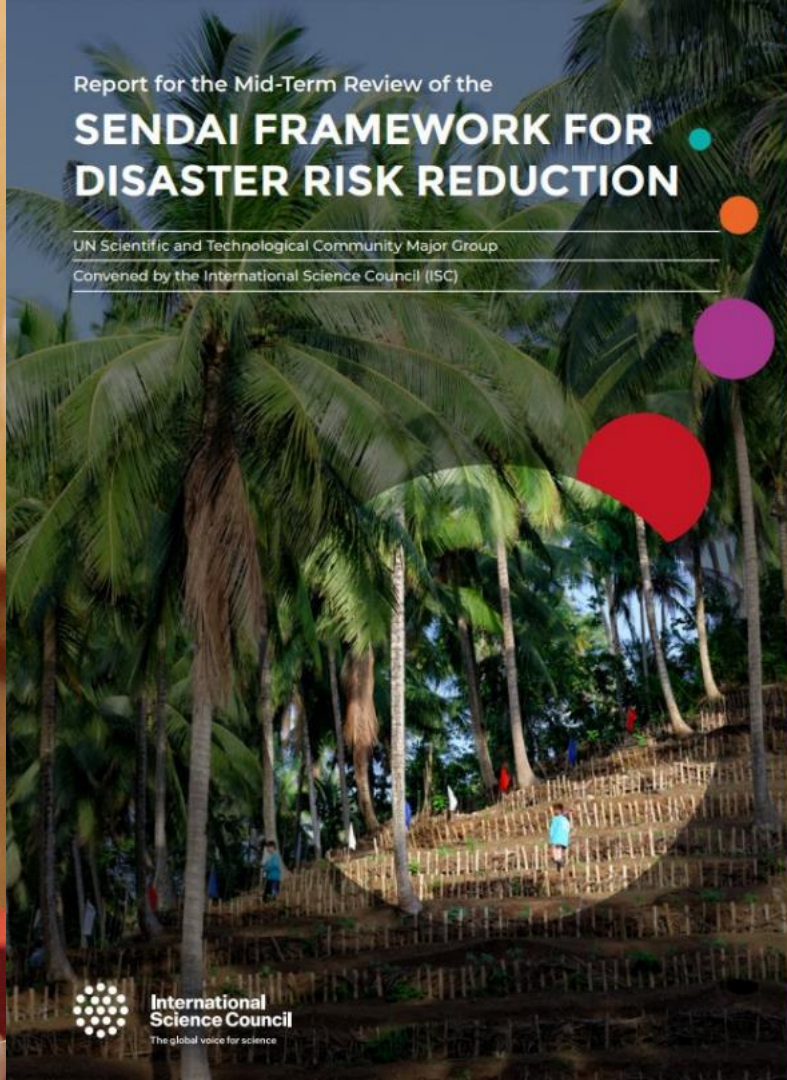
Regional Office for the Americas and the Caribbean

Tech4DRR
Committee

STRES



Mid-term Review of implementation of the Sendai Framework and progress on the implementation of the Regional Action Plan, Uruguay 2023.



Mid-term Sendai Framework review report – Press point, Uruguay 2023.

Capacity building on Science Advice in LatAm



INGSA Latin America and Caribbean



MEET THE MEMBERS OF OWSD



United Nations
Educational, Scientific and
Cultural Organization



**ORGANIZATION
FOR WOMEN IN
SCIENCE FOR THE
DEVELOPING WORLD**



Strengthening of links with scientists interested in offering scientific advice in the region (LAC Liaison Committee)

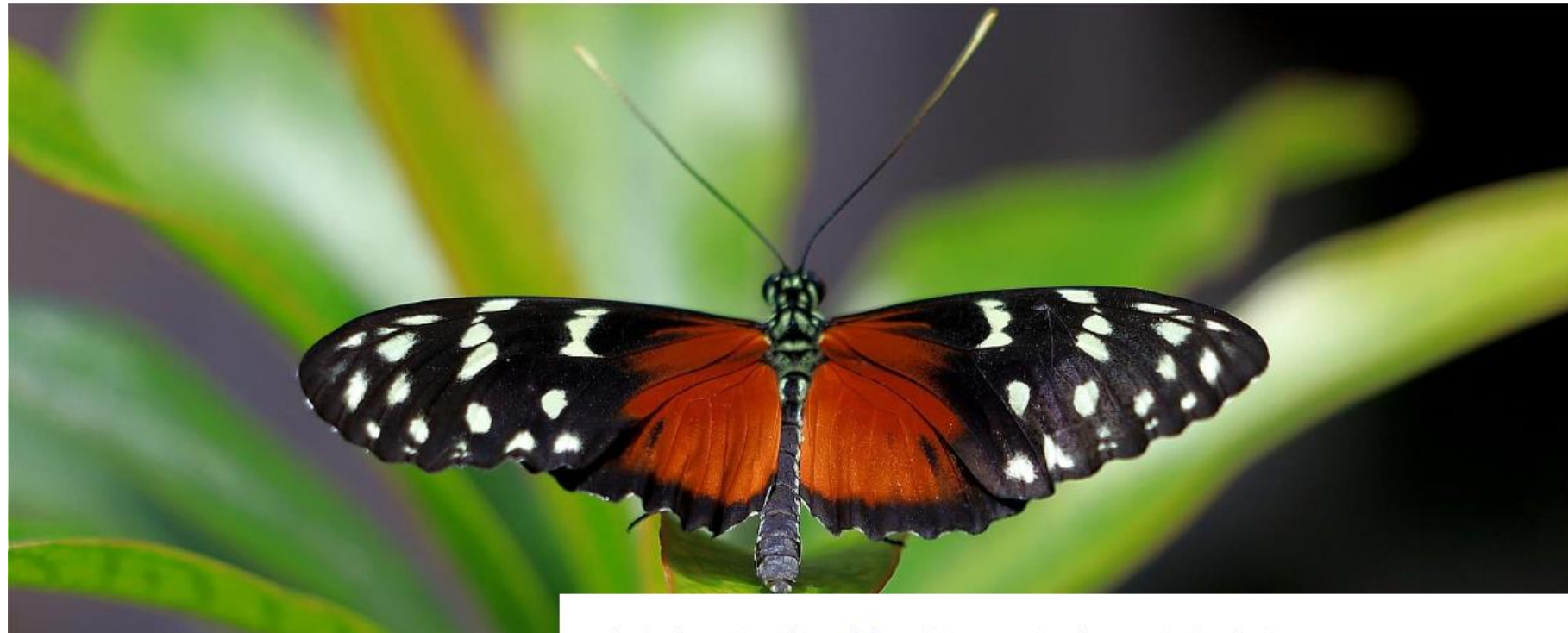


Current

NEWS

New cooperation initiatives from the ISC's Latin America and Caribbean Regional Focal Point

In a recent meeting organized by the Colombian government, the ISC's Regional Focal Point secures new ties with over 50 regional scientific organizations.



After the first meeting with its [newly formed Liaison Committee](#), the ISC Regional Focal Point for Latin America and the Caribbean ([RFP-LAC](#)) held a successful online meeting with the

Interdisciplinary Monitoring, Data & Capacity Sharing
Across the Andes



Bogotá, Colombia

20 - 22 February 2024



GEO Mountains, IAI - Inter-American Institute for Global Change Research 2024.



Science Advice in Vaccines for the LAC
region (IUPHAR)



**International
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ISC RFP-LAC roles

- **Represent the regional science community**
- **Advocating for science**
- **Advising**
- **Building capacity**
- **Coordinating scientific inputs**
- Regional roster of experts
- Collaborators
- Platforms for LAC scientist's databases – Integration and Communication
- Collaboration with Science Funding Agencies and Universities
- Regional Research Centers and Regional Research Councils
- Capacity building in Science Advice in the region - Pilots
- Capacity building in Science Diplomacy for the region

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THANK YOU


We look forward to the next steps.

For any questions, email me at
carolina.santacruz@council.science

 [company/international-science-council](https://www.linkedin.com/company/international-science-council)

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