
Capacity Building Report

2020 – 2021 Intersessional Period



INTER-AMERICAN INSTITUTE FOR GLOBAL CHANGE RESEARCH (IAI)

CAPACITY BUILDING: KEY ACTIVITIES



EUROCLIMA -AECID PROJECT: SOUTH AMERICAN DROUGHT INFORMATION SYSTEM (SISSA)



ASSISTA AO VÍDEO COM LEGENDAS EM PORTUGUÊS

QUÉ ES EL SISSA?

El SISSA es el *Sistema de Información sobre Sequías para el sur de Sudamérica*. El SISSA provee herramientas e información sobre las sequías y sus impactos a gobiernos, instituciones no gubernamentales y privadas, e individuos.

El SISSA es una institución virtual que funciona en el marco del Centro Regional del Clima para el sur de América del Sur (CRC-SAS).

[Lea más sobre el SISSA](#)

- IAI beneficiary organization Euros 1.3 M
- Technical leader Argentina's National Meteorological Service on behalf of the *South of South America Regional Climate Center (CRC-SAS)*
- 2021-2024
- Argentina, Bolivia, Brazil, Chile, Paraguay, Uruguay
- **Grant approved**



EUROPEAN COMMISSION PRIZE PROJECT: A CONSORTIUM TO EFFECTIVELY RESPOND TO CLIMATE-ATTRIBUTABLE RISKS: MALARIA ELIMINATION (ACERCARM-ME) EARLY WARNING SYSTEM



- IAI beneficiary organization Euros 5 Million
- Technical leader Duke University and partners
- Project 2021-2026
- Brazil, Ecuador, Peru, USA (first phase)
- **Project proposal under review**

Goal: to eliminate malaria in LA using an early warning system with earth observation technology that was validated in Peru with 12-week forecast accuracy exceeding 90%. In addition to forecasting methodology, we will discuss an innovative strategy to upscale MEWS across all malaria endemic countries of LA.

STePs to upscale and implement a regional malaria early warning system in Latin America: With the IAI, the proposed societal implementation and adoption strategy of **ACERCAR-ME** employs a science diplomacy approach that aims to establish a regional network of diverse stakeholders capable of responding to malaria and other complex climate-attributable risks.

NSF - BUILDING CAPACITY FOR SCIENCE-INFORMED POLICY IN THE AMERICAS THROUGH REGIONAL COLLABORATION, GLOBAL CHANGE SCIENCE SYNTHESIS, SCIENCE DIPLOMACY, AND TRANSDISCIPLINARY NETWORKS.



- IAI grantee US\$ 2.6M
- 2021-2025
- All IAI countries
- **Grant approved** (Science report)



IAI PROFESSIONAL DEVELOPMENT SEMINAR ON CLIMATE, ENVIRONMENT AND HEALTH (CEH)

- Topic: **How do climate and environment affect human health and how to respond in the post COVID-19 world?**
- Synergies with Belmont Forum and with other groups and institutions
- IAI participates in a selected group of experts WHO-WMO Health group
- Other consultations and committees (PAHO, BF, USGCRP)
- Steering Committee develop CEH initiative at IAI (governments, funders, SAC/SPAC, PAHO)
- **Seeking 1-2 host countries for the training workshops in 2022**



THE LAUNCH OF THE IAI TRANSDISCIPLINARY (TD) ACADEMY IN 2021

- Training on TD approaches and skills to advance knowledge and practice of global change research beyond the scope of national programs
- Facilitate sharing information, best practices, and discussion
- In 2021: monthly virtual events, panel presentations and discussions, webinars, workshops
- In future: training workshops, curriculum development, TD network development and seed grant projects, etc



STANFORD UNIVERSITY- EARTH LEADERSHIP PROGRAM PROJECT ON TRANSDISCIPLINARY TRAINING COLLABORATORY: BUILDING COMMON GROUND

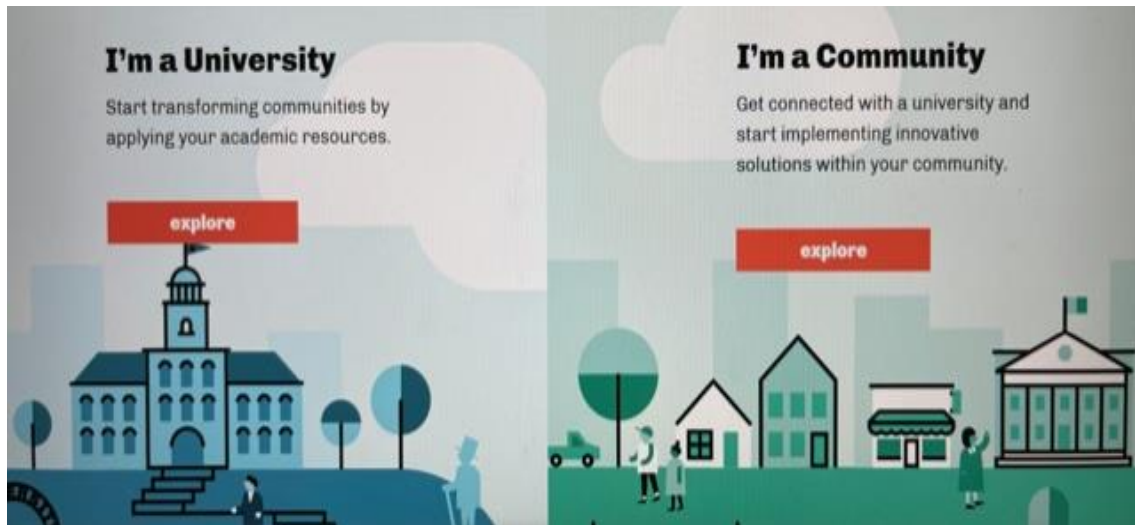


IAI is a regional partner in curriculum development and train the trainers implementation in LAC. Project goals are:

- Develop a shared vision for a global transdisciplinary (TD) collaborative;
 - Identify key needs and approaches to capacity building for TD training, using a train-the-trainers model;
 - Design and develop the appropriate materials and products for guiding the training in multiple contexts, regions, cultures, and languages.
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- **Grant approved by NSF**



EPIC N - IAI PROJECT EPIC MODEL FOR UNIVERSITY-COMMUNITY PARTNERSHIP IN LATIN AMERICA AND THE CARIBBEAN



“Perhaps the most comprehensive effort by a university to infuse into its curricula sustainability and community outreach.”

— The New York Times

<https://www.epicn.org/>

- The EPIC Model unites the human capital of universities with local governments, and communities, to improve the quality of life and social wealth for all involved. EPIC-N is the nonprofit association of institutions that adopt the award-winning EPIC Model for university-community partnership.
- IAI is a partner in expanding the EPIC model to Latin America and the Caribbean to build a self-sustaining institutional ecosystem for urban adaptation and resilience. Identify universities and local governments, stakeholders to work with EPIC and IAI.
- Proposal to be submitted to NSF by EPIC N (4 workshops in LAC)



IAI- PAGES INTERNATIONAL MOBILITY RESEARCH FELLOWSHIP PROGRAM FOR LATIN AMERICAN AND CARIBBEAN EARLY CAREER SCIENTISTS ON PAST GLOBAL CHANGES



CALL FOR APPLICATIONS

**International Mobility Research Fellowship Program
for Latin American and Caribbean early-career scientists
on past global changes**

The International Mobility Research Fellowship supports Latin American and Caribbean early-career scientists pursuing international research experience in paleoscience. It will cover costs associated with travel and living expenses while abroad. The fellowship will be awarded for a short duration (one to three months) and must be used within 12 months.

DEADLINE FOR APPLICATIONS: 30 SEPTEMBER, 2021
(23:00 UYT/ 02:00 UTC 1 OCTOBER)

PAGES PAST GLOBAL CHANGES
CELEBRATING 30 YEARS



- Letter of Agreement between IAI and PAGES
- Mobility Research Fellowship program: IAI implementing partner
- Funded by PAGES
- 1-3 months fellowship abroad
- 2022-2024
- Program launched in June 2021



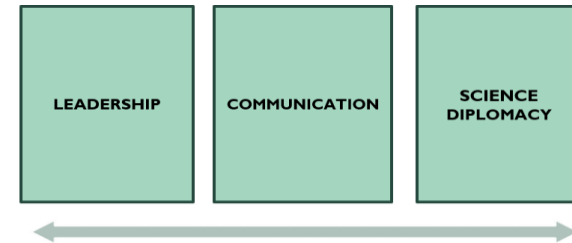
IAI SCIENCE, TECHNOLOGY, POLICY (STEP) FELLOWSHIP PROGRAM

Science, Technology Policy (STeP) Fellowship Program

A landmark program of the Inter-American Institute for Global Change Research (IAI)



- 2 pilot Cohorts implemented in 2020 in Argentina (Cohort Sustainable Agriculture) and in Mexico (Cohort Sustainable Cities)
- Partnership with key associates - AAAS and Canada's Mitacs
- Professional Development Training in 3 pillars, 20 fellows, 4 countries (Argentina, Mexico, Canada, USA) in 2020-2021



- Inquiries and interest to join the program from several IAI Parties and other public and private organizations
- Science Diplomacy group projects established to address transboundary and regional topics of interest

STEP IN CONFERENCES AND INTERNATIONAL EVENTS

	Participation in 9 Conferences to date	Date
1	University of Sao Paulo, Brazil. Scientific diplomacy: addressing challenges through research and innovation	June 26, 2020
2	UNESCO Colloquia CILAC - Inclusive science: Right to science	November 11, 2020
3	Canada's Mitacs Open Mic Session at the 2020 Canadian Science Policy Conference	November 17, 2020
4	Science diplomacy Affinity group from AAAS	December 16, 2020
5	AAAS Annual meeting	February 2, 2021
6	S4D4C Global Meeting EU Science Diplomacy Beyond 2020 - Addressing Global Challenges Together: The Role of Science Diplomacy *	March 17, 2021
7	The Intergovernmental Science-Policy Platform on Biodiversity and Ecosystem Services (IPBES) regional and national platforms/networks in the session for North, Central and South Americas and the Caribbean Region	June 4, 2021
8	DiploHub Barcelona. SciDip Talks: Science Diplomacy in the Global South. Challenges and opportunities	June 10, 2021
9	Future Leaders Collaborative Research Action at the Sustainability Research Innovation (SRI) 2021	June 14, 2021
10	Barcelona Science and Technology Diplomacy Summer School	July 9-23, 2021
11	São Paulo School of Advanced Science on Science Diplomacy and Innovation Diplomacy (InnSciD SP) and The World Academy of Sciences (TWAS) Latin American and Caribbean Regional Workshop on Science Diplomacy	August 4-13, 2021
12	Abstract submission: GEO Health Community of Practice - AmeriGEO Week 2021-2022 (under review)	August 23-27, 2021
13	Abstract submission: 2021 International Transdisciplinarity Conference (accepted)	September 13-17, 2021
14	Abstract submission: 13th Canadian Science Policy Conference 2021 (under review)	November 22-26, 2021
15	Abstract submission: 2022 AAAS Annual Meeting (under review)	February 17-20, 2022

*This conference 5 fellows representing each country were able to participate and share their insights and initial science diplomacy teamwork.



PUBLICATIONS AND MEDIA PRESENCE

STeP has been mentioned and highlighted in peer reviewed journals and international publications as a strategic and unique program for the development of national and regional human and institutional capacity in **science-policy, science advice, diplomacy, and communication**:

1. “Closing the Gap Between Emerging Initiatives and Integrated Strategies to Strengthen Science Diplomacy in Latin America”
<https://www.frontiersin.org/articles/10.3389/frma.2021.664880/full>
2. “Bridging Policymakers to Science through Communication: a perspective from Latin America”
<https://www.frontiersin.org/articles/10.3389/frma.2021.654191/full>
3. UNESCO / CILAC Publication on Science Diplomacy that points to the STeP program as a regional collaboration tool for scientific diplomacy for Latin America and the Caribbean
4. “Science Diplomacy in Latin America and the Caribbean: Current Landscape, Challenges, and Future Perspectives”
<https://www.frontiersin.org/articles/10.3389/frma.2021.670001/full>



IAI and STeP program Invited to participate in a **documentary on Science Diplomacy** that is being developed by **UK Cambridge University / Shaping Horizons** organization which fosters social innovation for diplomacy.

STRATEGIC ENGAGEMENT AND NEW PARTNERSHIPS (BEING DEVELOPED)

- **Canadian Natural Sciences and Engineering Research Council of Canada (NSERC)**
- **Chilean National Library of Congress, Parliamentary Technical Advisory (Asesoría Técnica Parlamentaria-ATP, de la Biblioteca del Congreso Nacional de Chile-BCN)**
- **US Department of State, US Embassy, Fulbright Fellowship Program**
- **The Intergovernmental Science-Policy Platform on Biodiversity and Ecosystem Services (IPBES)**
- **Brazilian Platform on Biodiversity and Ecosystem Services (BPBES)**
- **SciTech DiploHub**, the Barcelona Science and Technology Diplomacy Hub
- **University of São Paulo (Innovation and Science Diplomacy School)**
- **The World Academy of Sciences(TWAS)**

Learn more about IAI's Science Technology, Policy (STeP) Fellowship Program:



An Inter-American Network of early-career scientists working in policy



STeP into our community and shape science for society!



Thank you!

<http://www.iai.int/en/step>

Twitter: @STeP_IAI