

# Science Program Report

## Small Grants Program (2019-2022)

### Biodiversity, Ecosystem Services and Human Wellbeing

>90 pre-proposals submitted  
Required 4-day online training on transdisciplinary science  
6 projects selected via peer review  
\$1.2 mil awarded, \$1.3 mil in co-funding  
10 countries- at least 3 per project

#### In the first 2 years...

156 investigators and partners  
> 50 students  
147 outreach and training events reaching >1500 people  
\$750,000 in new grant funding  
66 publications  
134 media coverage, prizes, other articles

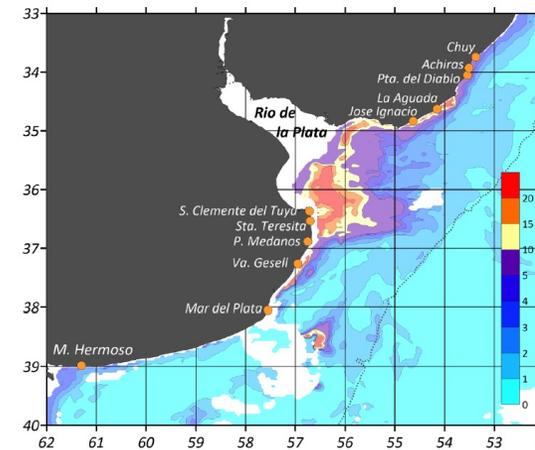


Figure 1: Coastal sampling sites in Argentina and Uruguay. The background colors represent the surface chlorophyll-a concentration derived from the MODIS satellite borne radiometer on 5 January 2019.

(Pittman)



Participant, Workshop "Escrituras de mi Territorio", Cocora, Colombia

(Alonso)



(Anderson)

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### Biodiversity, Ecosystem Services and Human Wellbeing



EC-51

22.06.2021

COP-29

22-23.06.2021



Transforming the governance of water in South America: from reaction to adaptation and anticipation (PI: Trimble)



Multi-actor adaptation plan to cope with forests under increasing risk of extensive fires (PI: Anderson)



Improving the governance of the floodplain in over-built river basins (PI: Marques)



Incorporating Local and Traditional Knowledge Systems: New Insights for Ecosystem Services and Transdisciplinary Collaborations (PI: Alonso Yanez)



Socio-ecological resilience in the face of global environmental change in heterogeneous landscapes – building a common platform for understanding and action (PI: Diaz)



Small-scale Fisheries and Marine Ecosystem Services: Adaptation and Transformation to Secure Human Wellbeing (PI: Pittman)

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EC-51

22.06.2021

COP-29

22-23.06.2021

## **Building Capacity for Science-Informed Policy in the Americas through Regional Collaboration, Global Change Science Synthesis, Science Diplomacy, and Transdisciplinary Networks**

Proposal submitted to NSF in February 2020. Approved and anticipated start in August 2021.  
Timeline: 2021-2024 (4 years)

### **Aims**

1. To create a virtual global change science diplomacy center with innovative training approaches, including Science-Policy Fellows and in-person and virtual science diplomacy professional development seminars.
2. To develop a transdisciplinary (TD) science training program, with seed grants and virtual training materials, to enhance the capacity of professionals and institutions across the continent to conduct TD science and to bring TD science to inform end users from public and private sectors.

# Science Program Report



## Climate services for the Caribbean health sector



The Caribbean Regional Track of the Pilot Programme for Climate Resilience

### Supporting key adaptation initiatives

This component is enhancing resilience across these main areas:

**Health**– to reduce climate variability and climate change related risks from the mosquito-borne diseases such as Dengue, Chikungunya and Zika Virus

- Collaboration with regional and national climate and health authorities to co-develop climate services for the health sector (dengue epidemic early warning).
- Studying the role of gender in mosquito borne disease control and transmission to support gender mainstreaming in climate adaptation actions.
- Training workshops in September 2021.



CARPHA



# Science Program Report



EC-51

22.06.2021

COP-29

22-23.06.2021

## Landscaping the availability of, and need for, software tools amongst the climate sensitive infectious diseases modelling community

- IAI received funding to manage this project which will be implemented by an international team of experts.
- Part of the WT's initiative *Our Planet, Our Health: responding to a changing world*.
- WT is part of the IAI's steering committee on climate, environment and health (with PAHO, NOAA, and SAC/SPAC from Ecuador, USA, Jamaica, Trinidad and Tobago)



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Ernst-Thiele-Institut  
Estonian Research Council

CO2ASAC

Energimyndigheten

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BOEM

IAI

31 members representing over 55 countries  
Partnered with over 150 resource organizations

Developing opportunities with more than  
100 resource organizations

BELMONT  
FORUM

GEO

International Science Council

iap

International Institute for Applied Systems Analysis

International Institute for Applied Systems Analysis

United States Global Change Research Program

United States Global Change Research Program

United States Global Change Research Program

START

START

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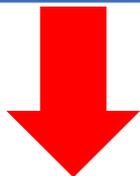
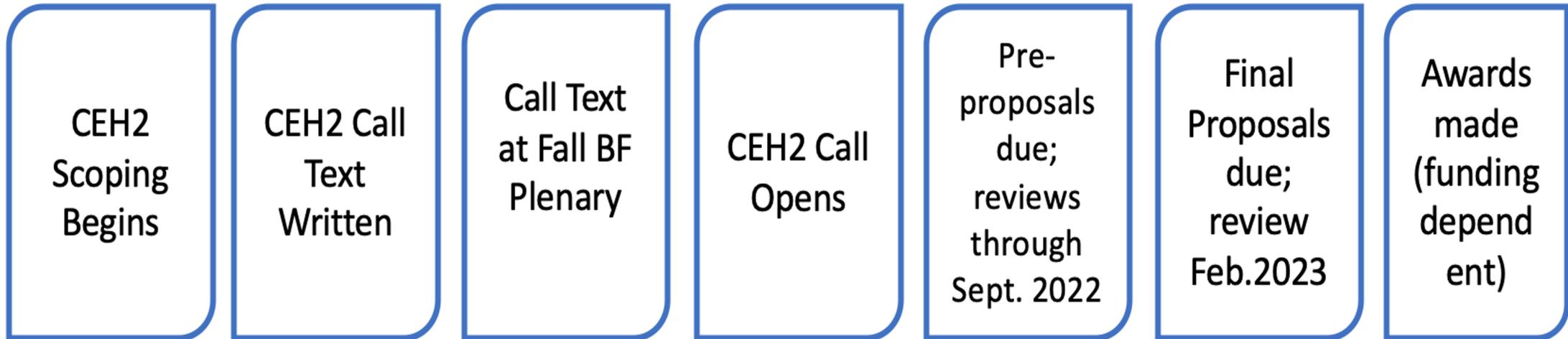
# Climate, Environment and Health (CEH2) Collaborative Research Action (CRA)



*Improving understanding of climate, environment and health pathways to protect and promote health*

- Promoting connections across climate, environment, and health services
- Funding innovative research approaches
- Facilitating North-South collaboration
- Effectively engage health sector researchers and decision makers in climate, environment, and health

# Proposed CEH2 Timeline



**Scoping events at AmeriGEO Week (Aug-Sept 2021) & International Conference on Urban Health (July 2021)  
AmeriGEO call for abstracts extended until June 30.**