

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



EC-51

22.06.2021

COP-29

22-23.06.2021

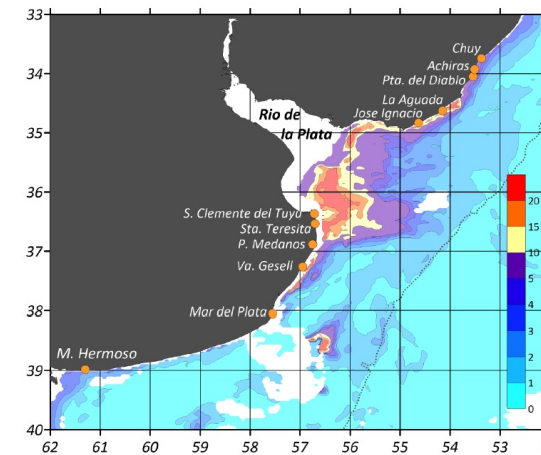


Figure 1: Coastal sampling sites in Argentina and Uruguay. The background colors represent the surface chlorophyll-a concentration derived from the MODIS satellite borne radiometer on 5 January 2019.

(Pittman)



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

(Alonso)



(Anderson)

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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)

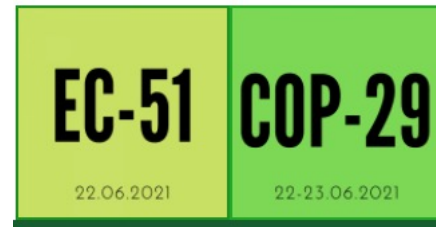


Socio-ecological resilience in the face of global environmental change in heterogeneous landscapes – building a common platform for understanding and action (PI: Diaz)



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

Science Program Report



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



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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



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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)





Disaster
Freshwater
Mountains
Services
Reduction
Risk
Resilience
Ocean
Biodiversity
Change
Food-Water-Energy
E-infrastructure
Transformations
Vulnerability
Climate-Environment-Health
Science-driven
Nexus
Observing
Security
SDGs
Pathways
Innovation
Predictability
Sentinels
Use
Soils
Land
Sustainable
Coastal
Ecosystem
Arctic
Sustainability
Food
Groundwater
Climate



- Developed through scoping process
- Support for transdisciplinary approaches
- Projects co-developed by natural scientists, social scientists, and stakeholders **from at least three countries/organizations (multilateral)**

Climate, Environment and Health (CEH2)

Collaborative Research Action (CRA)



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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

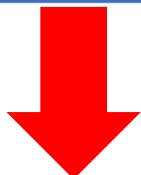
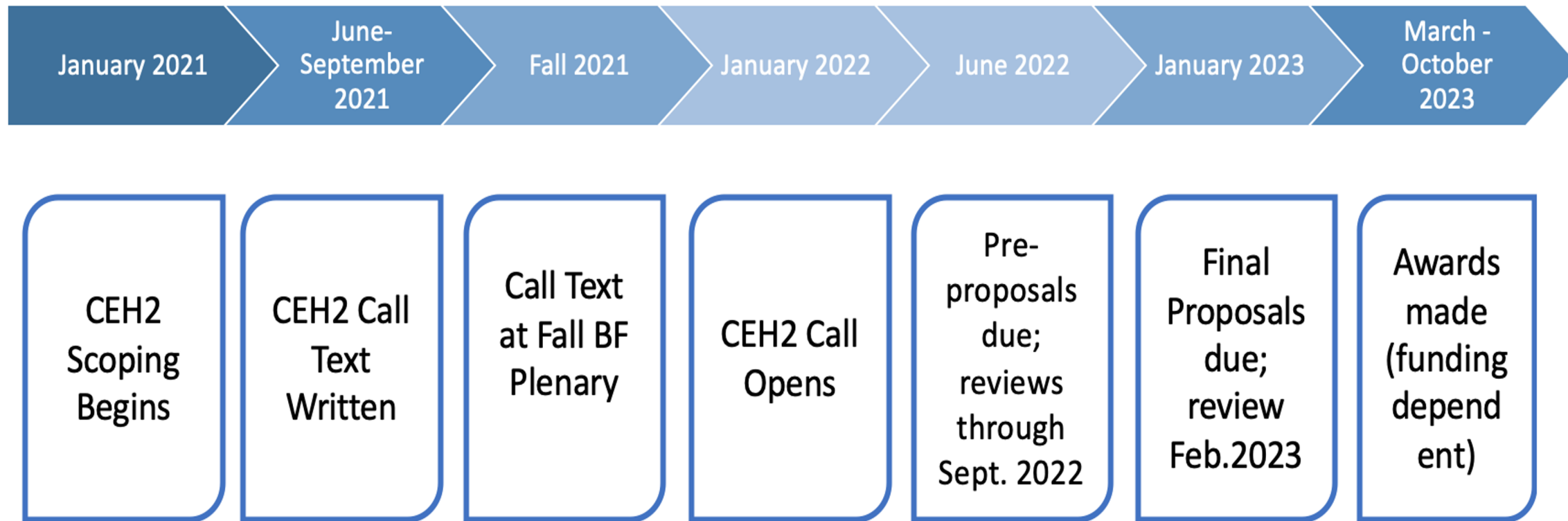


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**Scoping events at AmeriGEO Week (Aug-Sept 2021) & International Conference on Urban Health (July 2021)
AmeriGEO call for abstracts extended until June 30.**