Inter-American Institute for Global Change Research

Colloquium on Knowledge Integration at the Science-Policy Interface *(C2012)*

11-17 November, 2012 – Santo Domingo Dominican Republic

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IAI Member Countries

1. Argentina
2. Bolivia
3. Brazil
4. Canada
5. Chile
6. Colombia
7. Costa Rica
8. Cuba
9. Dominican Republic
10. Ecuador
11. Guatemala
12. Jamaica
13. Mexico
14. Panama
15. Paraguay
16. Peru
17. Uruguay
18. USA
19. Venezuela

Mission

Develop the capacity of understanding the integrated impact of past, present and future global change on regional and continental environments in the Americas and to promote collaborative, well informed actions at all levels

Core values: scientific excellence, international cooperation open exchange of scientific information

Goals

Augment scientific capacity in the Americas
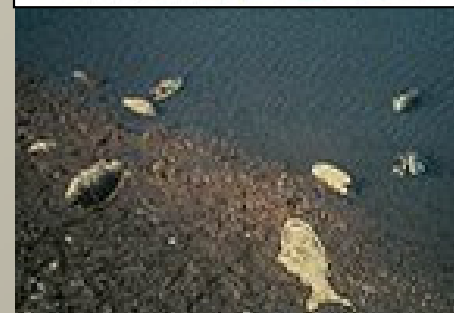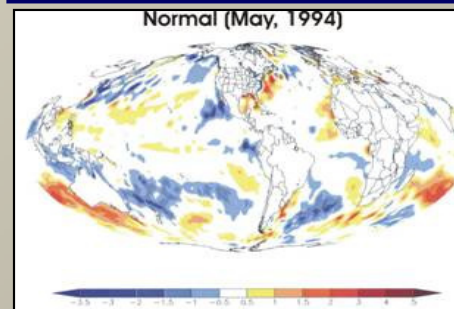TO
Understand global change and its impacts
AND
Provide sound and useful information to decision-makers in a timely manner

IAI is about:
- Nations - Intergovernmental Organization
- Global Change Sciences
- Multidisciplinary and Multinational Collaboration
- Regional Approach (beyond scope of national programs)
- Policy Relevance & Decision Making
- Scientists & Policy Makers jointly addressing global change

IAI Science Agenda

1. Understanding Climate Change and Variability in the Americas;

2. Comparative Studies of Ecosystem, Biodiversity, Land Use and Cover, and Water Resources in the Americas;

3. Understanding Global Change Modulations of the Composition of the Atmosphere, Oceans and Fresh Waters;

4. Human Dimensions and Policy Applications.
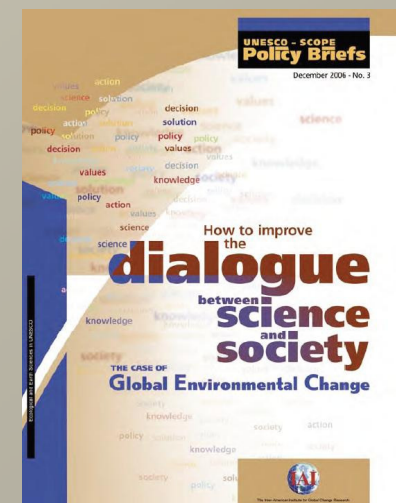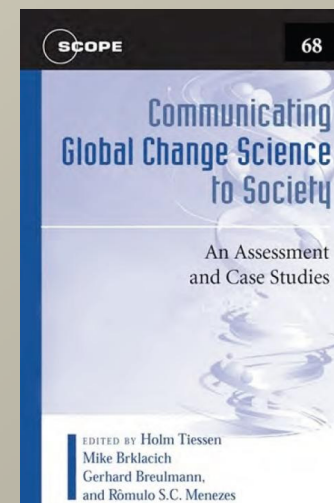
IAI approach

Fund Science projects
• Develop Collaborative Research Networks
• Open calls & Peer Review
• Scientific Excellence and Policy Relevance

Foster Capacity Building
• Support graduate students
• Research Internships
• Technical workshops
• Interdisciplinary Training Institutes
• Science-Policy Fora

Dissemination and Outreach
Scientific and Policy Publications
• Scientific publications
• Policy Briefs and videos

Science Programs
1996-2017

Start up Grants;
Initial Science Programs;
Small Grants Program;
Collaborative Research Networks;
Program Expand Scientific Capacity in Americas;
Small Grants Program – Human Dimensions;
Training Institute Seed Grants.

Minimum 4 IAI member countries; multinational and multidisciplinary collaboration; policy relevance; development of networks.
Open calls. Peer review.

Interdisciplinary Training Institutes and Colloquia

Goal: Strengthen local, regional capacity

Diverse audience: Natural/social scientists, policy makers, stakeholders, environmental practitioners (various sectors).

Various global change themes: Regional importance.

International participation: All IAI member countries.

Diverse program: Lectures, practical exercises on tools & methodologies, field trips, science-policy communication, proposal writing skills & review.

Multiple approaches: Dynamic, innovative, challenging (box).

Follow up: Seed Grants, Editorial fora-Publications, Internships, etc.

Impact: Feed into science (thesis, projects, publications) & policy making (gov. agendas)

Challenges of Global Change

Why integrated research and interdisciplinary capacity building?

- Global changes are complex and multiple interactions;

- Multiple responses, approaches, methodologies;

- Dialogue of knowledges among scientists;

- Dialogue of needs with stakeholders & use of scientific information;

- Society (sectorial) needs and development context.

Training Challenges

Environmental and Societal Problems: Integrated Research

Knowledge across fields

- Integrate science-policy-development-sustainability-vulnerability-adaptation…

- Assess environmental problems, demonstrate the interconnections among climate, hydrology, land use, urbanization, socioeconomic development.

- Contribution various disciplines to addressing complex GC issues and socioeconomic impacts; scientists work together in seeking responses to common Global Change problems.

Outside broundaries of traditional disciplinary research.

Participation of stakeholders in research process (questions, applications, time and spacial scales).
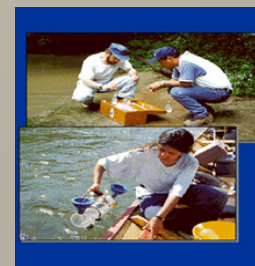
Transparent scientific process.

Integration of scientific knowledge with political motivation.

Training Institute and Colloquia are over... now What???

Participants ask:

- How to apply the knowledge imparted in training?
- How to continue engaged with the IAI?
- How to continue collaboration with the participants I met?
- How to participate in multinational & multidisciplinary research projects?
- How to develop science-policy interface?
- How to obtain funding?
- How to get involved with IAI science networks (CRNs)?

One possibility:

Training Institute Seed Grants (TISG)

Training Institute Seed Grants Program

TISG-II will support research, capacity building, science-policy projects resulting from C2012 and C2013.

The objectives are:
1. Further encourage network building;
2. Promote the application of the training provided on real-world issues and have some impact;
1. Foster the understanding of the institutional factors shaping development and adaptation responses;
2. Foster multinational and multidisciplinary collaboration;
3. Develop and strengthen proposal writing skills;
4. Strengthen management capacity for international grants;
5. Increase the participation of small countries in IAI.

Program Description

- C2012, C2013 participants are invited to submit LoI.

- ALL participants from 19 IAI member countries are elegible.

- Each Principal Investigator (PI) can submit <u>one</u> LoI.

- A few Co-PIs (not at the Colloquia) are allowed to participate to strengthen the projects.

- Each LoI must have at least 2 IAI countries or more.

- Indirect costs, salaries or equipment are not allowed (seed grant).

Evaluation Criteria

1. Scientific excellence and technical soundness;
2. Multinational and multidisciplinary collaboration;
3. Contribution to science, capacity building, or outreach and communication (depending on nature of the project);
4. Policy relevance and contribution to Science-Policy interface (stakeholder interaction, engagement with policy and decision-makers and knowledge dissemination);
5. Appropriateness of budget for the proposed activity; and a management for international,interdisciplinary collaboration;
6. Sustainability of the work proposed; in-kind contributions are not required, but would be favorable.

IAI goals and objectives will also be considered in the review and final approval of the grants.

IAI Goals and Objectives

The IAI:

- Pursues the principles of scientific excellence, international and interdisciplinary cooperation, and full and open exchange of scientific information.

- Recognizes a need for broad and early involvement of stakeholders in the planning, implementation, and interpretation of global environmental change research that provides knowledge for regional needs.

- Seeks to expand knowledge, to serve as an effective interface between the research and policy processes, and to achieve the translation of research results into informed decisions.

Seed Grants

Funding and Duration
Funding available: US$ 80,000
One time grants of *US$10,000 – 20,000 each*
Duration 9-12 meses

Schedule of Activities:
Colloquia seed grant program will be developed in 2 phases:
Phase I: Letters of Intent (LoI), and
Phase II: Full Proposals.
Only successful LoI will be invited to submit a full proposal.

Schedule of Activities – C2012

November 11, 2012: Announcement of the TISG program.

November 15, 2012 at 8AM Santo Domingo time: submission of LoI (2 pages).

November 15, 2012: Review of LoIs (review committee only).

November 16, 2012: Feedback on LoIs by review committee.

November 17, 2012: Re-submission of LoI

December 2012: Successful LoI will be notified by a message to the PI and invited to submit a full proposal.

At C2013 in Ecuador, there will again be an opportunity for refining previous proposals based on review feedback and of the knowledge on governance attained. New proposals coming from C2013 participants will also be allowed. IAI may encourage participation of C2013 participants in ongoing Proposals.

Final awards will be based on the approval of the full proposal.

Additional information about the schedule for full proposals will be provided.

LoI & Full Proposal – Consider:

Read the **TISG Program Guidelines**

- Follow the guidelines: content, deadlines, budget, pages;
- Consider evaluation criteria that reviewers will take into account;
- Describe technical, administrative and financial components clearly;
- Avoid being too general or too specific;
- Provide useful, necessary and understandable information;
- Provide references support your full proposal;
- Executive Summary: very important, first impression;
- Doubts, contact the program officer.

Letter of Intent Guidelines

Phase I (C2012) - LoI (no more than 2 pages):
- **Project title**
- **Project duration** (up to 12 months)
- **Funding requested** (US$10-US$20,000)
- **Principal Investigator (PI) name and Institution** (grantee)
- **Co-Investigators (co-PI) (**names, institutions, countries)
- **Problem to be addressed**
- **Project objectives**
- **Expected results** (deliverables, outputs)
- **Project team** (areas of expertise - key words, interdisciplinary collaboration)
- **Science-Policy interface**

Important – keep in mind

- scientific excellence;
- interdisciplinarity (How will your project integrate the biophysical and social sciences? Does the project team have the expertise to carry out the proposed work?);
- science-policy interface (How will your project link to 2 crucial issues: development and adaptation - in the agriculture or water, health, cities, risk management sectors?; What you propose to do is innovative and/or useful (locally, regionally)? Who is your beneficiary/end-user; How will you engage users in the project activities?; What are your team´s strengths – local data, knowledge, engagement with local decision-makers, communities?
- be realistic about what can be done with the funding requested in 12 months;

Important – keep in mind

- avoid projects dealing with global climate models, or long-term scenarios; preference is given to local applications with a clear benefit in the short to mid term. Consider using tools explored at colloquium (GIS data and methods).

- In sum: be clear; be concise, but provide the necessary information to clearly state the problem to be addressed, the objectives, the deliverables, the capacity of the team to carry out the proposed work and deliver the results, and the usefulness of the project to a "beneficiary/client/end-user".

Submission of letter of intent - Deadline: **15th November at 8AM** Santo Domingo time.

Spacing and font size: 12-point font, single-spaced. 2 pages.

Language: English.

Send your LoI electronically to marcella@dir.iai.int and olgaw@ucar.edu

LoIs that do not follow these guidelines or are submitted after the deadline will not be evaluated.