



Inter-American Institute for Global Change Research

IAI Directorate
July '04-April '05

IAI Director Presentation

- Overview of IAI activities 2004-2005

Disruptive but very productive year

Personnel changes

Director Search

Project Manager Search

Administrative Policies Upgrade
NSF Managers' advice



IAI Director Presentation

BIG PICTURE CHALLENGE

To date IAI has examined the quality of scientific output
and
has evaluated training programs and summer institutes

The next BIG challenge is to assess

*How relevant is the IAI science and training program to
society: regional governments or stakeholders in
general?*



Relevant Environmental Projects

- Earth System Science Partnership
 - IGBP, DIVERSITAS, IHDP, WCRP
- Highly successful in developing Earth System Science
- Have shown that human activities have reached a level where they significantly influence the Earth System not only in terms of greenhouse gases and climate change
- Have made a major contribution to science for sustainable development



Science for Sustainable Development (Gilbert Glaser)

- Defined as a “Balance of Three Pillars”
 - **Social well-being, economic prosperity** and **environmental protection** for the benefit of present and future generations
- Scientific knowledge is needed to underpin sustainable development policies
- Decision makers need policy relevant research that provides applicable results
- Research agendas must be defined through broad based participatory approaches involving those in need of scientific information and advice.
- Those in need range from farmers, through business/industry and national legislators and ministries, to regional and global organizations and bodies



Relevance and recent Global Environmental Activities

- Millennium Assessment & IPCC
- Example of a Brazilian Initiative
 - GEOME a modeling of development strategies in a very sensitive region- the Amazon
 - Uses best data from Brazilian Environmental Research on the Amazon e.g. LBA
 - Output designed to predict the potential outcome of various development strategies in the region
 - Output designed to assist a government plan regional development-
 - Focus is on using the science in development and not on developing better science or better models



CRN-I Breakthroughs

- CRN-I Projects nearing completion
 - Excellent science
 - PI's lead the way towards relevance
- Several of the CRN-I Projects have successfully combined good science with effective policy development
 - Biological Diversity
- Several of the CRN-I Projects have successfully combined good science with effective links to shareholders
 - Land use in semi-arid lands
 - Vulnerability





Inter-American Institute for Global Change Research

IAI Directorate
Activities
July '04-April '05

Directorate Activities July-December '04 GVC

- Administrative Workforce problems
 - IAI administrative staff : CRN Manager
- IAI Manuals and administrative procedures
- Agreements with other Institutions
 - MOU's with CIIFEN, DIVERSITAS
 - Collaboration with CPTEC/INPE
- Lecture series at INPE
- Exhibit at UNFCCC, Buenos Aires
- Revision of IAI Web Page
- Synthesis and Publication of ISP results
- Publication “The First 10 Years of IAI”(Eng. Spa. Port.)
 - Observing, measuring, understanding and documenting changes in the Earth environment of the Americas



Directorate Management Efficiency

- Visit from Senior managers from NSF
One week in January 2005
 - Brian Mannion, and Charles Ziegler
 - Office of Budget, Finance and Award Management
Vanessa Richardson
Division of Operation and Analysis, Geosciences

Extremely valuable input to IAI Management
resulting in great progress with many items

- Project Manual Management
- Employee Manual
- Contracting and Procurement Manual



Information Technology

Electronic Capability- Filing and Information

Project Reporting, Proposal Acceptance

New IAI Website
Improvement re Ease of Use

IAI Data Base
How to obtain information

New DIS site





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IAI SCIENCE
Activities

July '04-April '05

SCIENCE Activities-- Gerhard Breulmann Science Officer will present the details

- Small Grants Program -I-(SGP-I)
 - completed
 - Small Grants Program -II-(SGP-II)
 - Final Stages
 - CRN-I Synthesis
 - “Bridging the Gap between Science & Decision Makers”
 - Joint IAI/SCOPE Activity
 - Rapid Assessment Meeting in Nov/Dec ‘05
- CRN-II Proposals
Preproposals-93 --Full proposals-39



Small Grant Program I (SGP I)

- Total grant US\$ 380 K
- Supported 16 one-year projects (*max. US\$ 30K*)
- Final Report to NSF in January 2005
(*approved 9 Feb. 2005*)
- Highlights presented to 19th EC Buenos Aires.
Published in Annual Report 2003-2004



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CRN I

- Second & Final NSF no-cost extension (*until May 2006*)
- Projects in final year
- All projects requested no-cost extensions
- Two Final Technical Reports received, currently under review (*CRN 009 C. Wood; CRN 047 M. McClain*)
- One-pagers in meeting documentation highlight progress & Annual Report 2003-2004, p. 67-77
- Synthesis meeting IAI-SCOPE, 28 Nov. – 2 Dec. 2005, Ubatuba, Brazil



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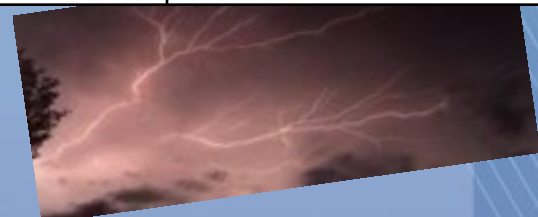
CRN II Process

- **Proposal (US\$ 10.4 Mio.) to NSF on 13 August 2004**
- **Call for Proposals launched on 13 September 2004**
- **Application process in two Phases:**
 - 1. Pre-proposals - SAC review**
 - 2. Full Proposals - Full 3-step peer review (mail, panel, IAI SAC)**



Full Proposals Thematic Distribution

Agenda Theme	Primary Theme	Secondary Theme
I. Understanding Climate Change and Variability in the Americas	9 (24,3%)	5 (13,5%)
II. Comparative Studies of Ecosystems, Biodiversity, Land Use and Cover and Water Resources in the Americas	14 (37,8%)	6 (16,2%)
III. Understanding Global Change Modulations of the Composition of Atmosphere, Oceans and Fresh Water	6 (16,2%)	5 (13,5%)
IV. Understanding the Human Dimensions and Policy Implications of Global Change, Climate Variability and Land Use	7 (18,9%)	17 (46,0%)
V. <i>Cross-Cutting issues</i>	1 (2,7%)	4 (10,8%)
<i>Total</i>	37 (100%)	37 (100%)





Inter-American Institute for Global Change Research

IAI Training and
Outreach Activities
July '04-April '05

Training Communications & Outreach Program- Marcella Ohira- TCO Officer will present details

- Training institutes Sept & Oct 2004
 - Food Systems and Globalization- Costa Rica
 - Urbanization and Global Change- Mexico

Training institutes planned for late 2005

Vulnerability associated with Climate Change and Climate Variability --Jamaica

Climate and Human Health--Paraguay

Integrated Resource Management in the Tropics-
Goettingen



IAI Institute on Urbanization and Global Environmental Change in Latin America *September 27-October 8, 2004, Mexico City, Mexico*

	IAI Countries	Others
Participants: 24	11	1
Speakers: 27	6	-

Coordinator: Roberto Sánchez Rodríguez, UC – Riverside, USA

Budget, Fundraising and Partnership Efforts: IAI: US\$ 80K

National Institute of Ecology of Mexico (INE): US\$ 10K

International Human Dimensions Programme (IHDP): US\$ 10K

In-kind contributions: INE, UNAM, UAM, FUMEC.

Total Budget: US\$100K Total cost: US\$81K Remaining resources: US\$19K

Initial Outcome: Expansion of IAI network on Urbanization; development of linkages with SGP I project, CRN II proposal.

Future Outcome: Publication of a book on Urbanization in LA (English, Spanish) (remaining resources); international networking with HD community, etc.



IAI-IHDP Global Environmental Change Institute on Food Systems and Globalization: Scientific Workshop and Science-Policy Forum

October 24-November 5, 2004, Nicoya, San José, Costa Rica

	IAI Countries	Others
Participants: 25 (14 LA)	11	1
Speakers: 27	9	5 (international organizations)

Science Workshop Coordinators:

Karen O'Brien (Center for International Climate & Environmental Research, Norway), Robin Leichenko (Rutgers University, USA), Advisor: Eduardo Viola (University of Brasilia, Brazil).

Budget, Fundraising and Partnership Efforts:

IAI: US\$ 50K

IHDP: US\$20K **APN:** US\$20K

Research Council of Norway: US\$20K

International Foundation for Science: US\$20K

FAO: US\$ 3K (supported 2 participants)

IICA: US\$ 3K (sponsor the book)

CRRH/CEMEDE: US\$ 3K (supported 2 participants)

Total budget: US\$ 139K **Total cost:** US\$ 114K **Remaining resources:** US\$ 25K

In kind contributions (MoU): University of Costa Rica/Observatorio del Desarrollo; Centro Mesoamericano de Desarrollo Sostenible del Trópico Seco (CEMEDE)/National University of Costa Rica (UNA), Comité Regional de Recursos Hidráulicos (CRRH)/Sistema de Integración Centroamericana (SICA), IHDP (30K)



The Science-Policy Forum

Main Objectives of the Forum: Address the Science-Policy Interface and use of science Information into the Policy and Decision-Making Processes; Discuss science information available and its Translation to Non-Science Community; Discuss Policy Issues that should be incorporated into modern research agenda; Promote dialogue with policy makers.

The Structure of the workshop – Three Panels:

Introduction: The New Axle of Food Security, Gustavo Gordillo de Anda, Deputy Director General, FAO.

Panel 1: Global Environmental Change and Agriculture in Central America

Speaker: Manuel Jiménez Umaña, Coordinador Secretaría Consejo Agropecuario C.A., Costa Rica

Science Commentator: Carlos Alberto Ruiz-Garvía, University of Goettingen, Germany.

Policy Commentator: Javier Flores, Comité Regional de Recursos Hidráulicos, Costa Rica.

Panel 2: Globalization of Food Production and Consumption: A Central American Perspective

Speaker: Ana Victoria Román, Instituto de Nutrición de Centro América y Panamá (INCAP), Guatemala;

Science Commentator: Lilibeth Acosta-Michlik, Catholic University of Louvain, Belgium;

Policy Commentator: Alfredo Alvarado, Director of Agricultural Research, University of Costa Rica, and member of the Natural Academy of Sciences, USA;

Panel 3: Diversification vs. Specialization: Challenges for Rural Livelihoods in a Changing World

Speaker: Carlos Pomareda, Executive President of Servicios Internacionales para el Desarrollo Empresarial SIDE S.A., Costa Rica.

Science Commentator: Man Yu Chang, Federal University of Paraná, Brazil

Policy Commentator: Mario Samper, Instituto de Investigaciones Sociales, University of Costa Rica.

and 5 international organizations and programs.



The Science-Policy Forum (2)

Audience: about 100 people, including participants of the Training Institute, representatives governmental agencies, NGOs, private sector, international organizations, universities, etc.

Opening/Closing: Minister Science & Technology of Costa Rica, Deputy Director General Of FAO/LA, Director General of IICA and in the audience a former President of Costa Rica.

Initial Outcome: Exposed participants to multiple aspects of interaction of science-policy; fostered communication w/ policy makers. **Some initial reactions** were:

“The forum stimulated science-policy dialogue;

“The forum was thought provoking”;

“The Forum was an eye opener”;

“The forum was an excellent opportunity to open space for the dialogue among policy makers and researchers”.

But need to continue improving:

“Focus on success and failure stories”;

“Involve more policy makers”; “ more dialogue”...



Future Outcome: Publication of a book on Food Systems/Security and Globalization in English, Spanish (remaining resources); international networking with HD community, etc.

Overall Evaluation of the Forum: Very Good

Other Results of this Training Institute: Potential collaboration with international organizations: e.g. meeting with deputy director of FAO/LA in Chile with SAC chair; discussion with IICA about joint activities in the Caribbean; engage participants in IHDP scientific networks and broader exposure to international community; etc.



IAI Training Institutes in 2005

Vulnerability Associated with Climate Variability and Change in the Americas

(October 17-28, 2005, Asunción, Paraguay)

Local organizer: National University of Asunción
(country rep. Genaro Coronel)

Program Coordinator: Luis José Mata, ZEF, IPCC
(Venezuela/Germany)

Pre-announcement launched



Climate and Health ***(November 7-18, 2005, Kingston, Jamaica)***

Local Organizer: West Indies University
(country rep. Anthony Chen)

Program Coordinator: Joan Aron, USA (CRN);
Second coordinator from PAHO (?)

Pre-announcement launched

Funding Availability: US\$ 330K NSF grant. Other fundraising efforts will be carried out throughout the year.

New: Plan to launch a Seed Grants Program at the end of the Institutes (up to 10 awards to groups of Institute participants) to support a follow up and assessment of impact activity.





Inter-American Institute for Global Change Research

Data and
information
System (DIS)

Data and Information System-- Marcelo Achite Information Technology manager (ITM)

- EC demonstration of the new IAI website
- Has undertaken Oak Ridge National Laboratory Training
- Implemented the new DIS system
- Installation and Configuration of new server
- Proposes Training of CRN Data Managers
- On line submission of proposals -all 39 full proposals for CRN-II received in this manner
- Internet & Network Security



IT Matters



General Information Component

Science and Communication Component

Extra Information Component



DIS Update : What can DIS offer?

- Provide a single portal to information produced within the IAI scientific programs;
- Provide fielded, spatial, and temporal search capabilities;
- Allow individuals and database managers to distribute their data while maintaining complete control and ownership;
- Leverage investment in existing information systems and research; and SPECIALLY
- KNOWLEDGE MANAGEMENT (organize pieces)





Inter-American Institute for Global Change Research

Financial Matters

Financial Matters- John Stewart-Interim Director

- Overview of Financial Status
 - 2004-2005 Country Dues ~ 90% collected
 - Boost from Mexico prepaid part of 2005-2006
 - Several Countries paid back dues BUT
 - Still not engaging several countries
 - Local Costs difficult to control
 - Less than full complement of staff
 - Spent more than collected-reserves slightly decreased



Financial Matters - John Stewart- Interim Director

- Core Budget Request 2005/2006
 - Major Effect on this will be local costs
 - US\$ exchange rate with the Real combined with local Brazilian inflation during the last 3 years combine to raise costs
 - IAI will have a full complement of staff-
 - New Director and
 - Program Manager will become a full IAI position
 - Salary adjustment needed
 - Travel costs
 - Media Conferencing



Financial Matters-- Silvio Bianci, Administrative and Financial Officer (AFO) presented

Auditors Report June 30 2004
Highlights

Financial Status Report as of March 31 2005
Status of Country Contributions 2004-2005
Expenses
Cash Flow and Reserves

Manuals





Inter-American Institute for Global Change Research

Annual Report,
Newsletter &
Other Issues

IAI Communications & Outreach - 1

Recent Publications

Newsletter # 35 and 36:
Report by Editor
Meeting at IAI March, 2005
Goal: continue to improve content



Annual Report 2003-2004:
Published April, 2005
Goal: continue to improve content
and publish more scientific results
1500 copies





Inter-American Institute for Global Change Research

EC XVIII/CoP X
Follow Up
Buenos Aires



Directorate Management Efficiency

- Financial Advisory Committee to EC
 - Unsung heroes of IAI
 - Vanessa Richardson (Chair), Louis Grittani, Barbara Garea, Carlos Ereno, Antonio MacDowell and Renato Quinones
 - Immense amount of Time , (especially the Chair)
 - Not always acknowledged- and even underplayed
 - Greatly Appreciated!



Previous EC/CoP meetings Recommendations

Reports from EC Working Groups & SAC

- Newsletter Frequency
- Calculation of Country Contributions
- Efficiency of IAI programs
- Affiliated Institutes-CPTEC/INPE
- Standing Committee on Rules
- Directorate Action
 - CRN-II statistics
 - Local Staff Problems
 - CRN-038- recovery of funds
 - 25Kreceived Apr 26 2005
 - 26Kpromised by June 1 2005
- Visibility of IAI

