

INTER-AMERICAN INSTITUTE FOR GLOBAL CHANGE RESEARCH



EC-XXXIII - CoP-XX – EC-XXXIV

*June 26-29, 2012
Arlington-VA, USA*

SAC REPORT

14.ECXXXIII/CoPXX/ECXXXIV/English/21 June 2012

IAI Scientific Advisory Committee (SAC)
Report to the Conference of the Parties
July, 2012

SAC members (2011-2012): Frank Muller-Karger (Chair), Claudia E. Natenzon, Jose Marengo, Juan Valdés, Ramón Pichs Madruga, Walter Baethgen, Carolina Vera, Hal Mooney, Rodolfo Dirzo, Silvio Pantoja Gutierrez.

2012 IAI SAC Accomplishments

Discussions on Strategic Plan Implementation
Defining the CRN3 review process and Request For Proposals (RFP)
Review of CRN3 pre-proposals
Review and selection of CRN3 proposals and teams

SAC Membership

The SAC wishes to thank Juan Valdez (USA) whose second term has ended, and Silvio Pantoja (Chile) who resigned recently.

The SAC requests that the CoP elect two new members to the SAC. Two names have been suggested after broad consultations across member countries. Both are in disciplines of the human dimensions. This is an important area that the SAC wants to focus on to implement the IAI Strategic Plan and the CRN3 grants.

Nominees:

Scott Whiteford / Professor of Latin American Research/Studies, University of Arizona (USA)
Ricardo Jordán / Geographer in Urban Studies, CEPAL (Chile)

SUMMARY OF ACTIVITIES

Between June 2011 - June 2012 the SAC met three times in person (Santiago de Chile/Chile, Cuernavaca/Mexico, St. Petersburg/USA) and had monthly teleconferences to advance the IAI Strategic Plan and to design and implement the CRN3 review and selection process.

The SAC reviewed the IAI Strategic Plan developed during the 2010-2011 timeframe, and found that the best way to implement it was to incorporate the most important elements of the Plan into the CRN3 call for pre-proposals and in the final call for CRN3 proposals. Of particular importance was to ensure that the CRN3 teams:

- addressed the overall objectives of the IAI to ensure excellence in science,
- to develop teams from multiple countries in which each country participant had full access to all member facilities
- develop teams in which each team member was considered as an 'equal',
- to address capacity building,
- to engage human dimensions experts in the team
- to develop solid linkages between science and policy options for the region.

Each proposal was required to address these issues.

An external expert, Dr. John Stewart, was invited by the IAI Directorate and the SAC to chair the Proposal Evaluation process for the CRN3 call. The process included:

- drafting and publishing a call for pre-proposals,
- review and selection of pre-proposal teams,
- drafting and issuing a final CRN3 call for proposals with specific guidelines, and

- review and selection of CRN3 proposals.

The SAC received a total of 88 pre-proposals in November 2011. These were reviewed by SAC members and when needed by external experts. Final selection was made during a 2-day meeting in Cuernavaca, Mexico (28-30 November 2011). A total of 32 pre-proposals were selected to move to the final CRN3 round. Each full proposal was assigned to a SAC member and at least three external reviews were sought.

A total of 26 CRN3 proposals were received for final review. The evaluation process was iterative, and took into account external reviews, SAC expert reviews, and SAC deliberations on content and strategic plan relevance. Each proposal was discussed at least twice.

A total of 8 CRN3 proposals were selected for funding. The final statistics of this selection is as follows:

Involved Countries **16** (14 member countries; 02 non-member countries)
 Institutions **75**
 Investigators **117** (**8 PI's - 109 CoPI's**)

Submitted proposals:	88	Pre-approved	26	Approved	8
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COUNTRY	PI	CoPI	TOTAL
Argentina	3	17	20
Bolivia	0	2	2
Brazil	2	29	31
Canada	1	3	4
Chile	1	5	6
Colombia	0	1	1
Costa Rica	0	4	4
Ecuador	0	3	3
Mexico	0	7	7
Paraguay	0	2	2
Peru	1	10	11
Uruguay	0	2	2
USA	0	20	20
Venezuela	0	1	1
Belgium	0	2	2
UK	0	1	1
TOTAL	8	109	117

Future Science Strategy for IAI (SAC/Directorate)

The SAC has initiated discussions on how to focus its attention now that the CRN3 selection process has been finalized. The SAC believes that there needs to be additional emphasis on designing mechanisms to merge natural and social science efforts.

The SAC requests input from the CoP on how to best focus the efforts of the SAC in its advisory role to the IAI.

Annex: Proposals Recommended for funding:

PROPOSAL	TITLE	COUNTRY
CRN3005	<p>Nitrogen Cycling in Latin America: Drivers, Impacts and vulnerabilities Jean Pierre Ometto (PI), Instituto Nacional de Pesquisas Espaciais, INPE Co-PIs: Maria Cristina Forti, Patricia Pinho, Cecilia Pérez, Ariel Stein, Víctor J. Jaramillo, Tibisay Perez, Amy Austin, Nataly Ascarrunz</p>	<p>Brazil Argentina Bolivia Chile Mexico USA Venezuela</p>
CRN3013	<p>Integrated assessment of potential impacts of climate change on the water supplies in Andean Basins – Case studies 1) El Santa (Peru) 2) Pirai (Bolivia) and 3) Paute (Ecuador) Bram Leo Willems (PI), Universidad Nacional Mayor de San Marcos Co-PIs: Joel Rojas Acuña, Fabiola Yeckting, Ken Takahashi Guevara, Jhan-Carlos Espinoza Alejandra Martínez, Waldo Lavado Casimiro Wilson Suarez, Bert De Brieve, Mauricio Villazón, Rolando Céleri Alvear, Esteban Samaniego, Mathias Vuille, Julio Aquije Chacaltana, Mauricio Zevallos Herencia, Patrick Willems, Rob de Wulf, Wouter Buytaert</p>	<p>Peru Bolivia USA Brazil Ecuador Canada Belgium</p>
CRN3025	<p>ENVIRO-NET: Eco-Informatics for decision-making in a changing world Arturo Sanchez-Azofeifa (PI), University of Alberta Co-PIs: Benoit Rivard, Alex Pfaff, Jeniffer Powers, Mauricio Quesada, Alicia Castillo, Martha Lopezarias, Adrian Ghilardi, Marciano Valtierra, Julio Calvo-Alvarado, Luis Fernando Murillo, Jorge Mario Montero, Juan Andres Robalino, Geraldo Wilson Fernandes Patricia Morellato, Mário Marcos do Espírito Santo, Rômulo Soares Barbosa, Felisa Cañado Anaya, Ricardo Berbara, Rômulo Simões Cezar Menezes, Everardo Valadares de Sá B. Sampaio, Jarcilene Cortez, Borko Stosic, Adrian Rodriguez-Vargas, Jose Javier Gomes Garcia</p>	<p>Canada Mexico Costa Rica Brazil USA</p>
CRN3035	<p>Towards usable climate science – Informing sustainable decisions and provision of climate services to the agriculture and water sectors of southeastern South America Cecilia Hidalgo (PI), Universidad de Buenos Aires Co-PIs: Federico Bert, Daniel Lema, Laura Gastaldi, Mónica B. Marino de Ferretti, Angel N. Menéndez, Sandra Estela Occhiuzzi, Fernando Ruiz Toranzo, Celeste Saulo, María de los Milagros Skansi, Hernán A. Urcola Adriana B. Basualdo, José Mauricio Fernandes Alice Marlene Grimm, Dirceu L. Herdies Lauro Tadeu Guimaraes Fortes, Willingthon Pavan, Fabricio Silva, Antonio Divino Moura Renzo R. Taddei, Julián Báez Benitez, Edgar Mayeregger, Ernesto Hugo Berbery, Norman E. Breuer, Kenneth</p>	<p>Argentina Paraguay Brazil USA</p>

PROPOSAL	TITLE	COUNTRY
	Broad, Clyde W. Fraisse, Eugenia Kalnay, Benjamin Paul Kirtman, Maria Carmen Lemos, Dennis P. Lettenmaier Gina Maranto, Guillermo P. Podestá, Moira L. Zellner	
CRN3036	“LUCIA” - Land use, climate and infections in Western Amazonia Ulisses E Confalonieri (PI), UFMG/CEDEPLAR Co-PIs: Alisson Flávio Barbieri, Gilvan Guedes Laura Rodriguez Wong, William Pan Carlos MENA, Alejandro Llanos Cuenta, Jaime Miranda	Brazil Peru Ecuador USA
CRN3038	Sensing the America's Freshwater Ecosystem Risk (SAFER) from climate change Gerardo M E Perillo (PI), Instituto Argentino de Oceanografía (CONICET-UNS) Co-PIs: Silvia London, James Rusak, Ma. Isabel Velez Caicedo, Brian Reid, Jaime Humberto Escobar Jaramillo, Daniel Conde, Thomas Harmon	Argentina Brazil Canada Chile Colombia Costa Rica Mexico USA
CRN3056	Strengthening Water Security for Global Change Adaptation in the Americas Francisco J. Meza (PI), Pontificia Universidad Católica de Chile Co-PIs: Christopher Scott, Alfredo Ribeiro Neto Nicolás Pineda, Elma Montaña	Chile USA Mexico Brazil Argentina
CRN3070	Climate variability of major marine ecosystems around South America Alberto Piola (PI), Servicio de Hidrografía Naval Co-PIs: Marcelo Acha, Claudio Campagna Hermes W. Mianzan, Kenneth H. Brink Ricardo P. Matano, Edmo J.D. Campos Osmar O. Möller, Jose H. Muelbert, Omar Defeo Oscar Pizaro	Argentina Brazil Chile Peru USA Uruguay