



New Research for Assessments: Regional Research Partnerships for IPBES in the Americas

*Nicolas Lucas, IAI
IPBES-2, Antalya, December 11 2013*

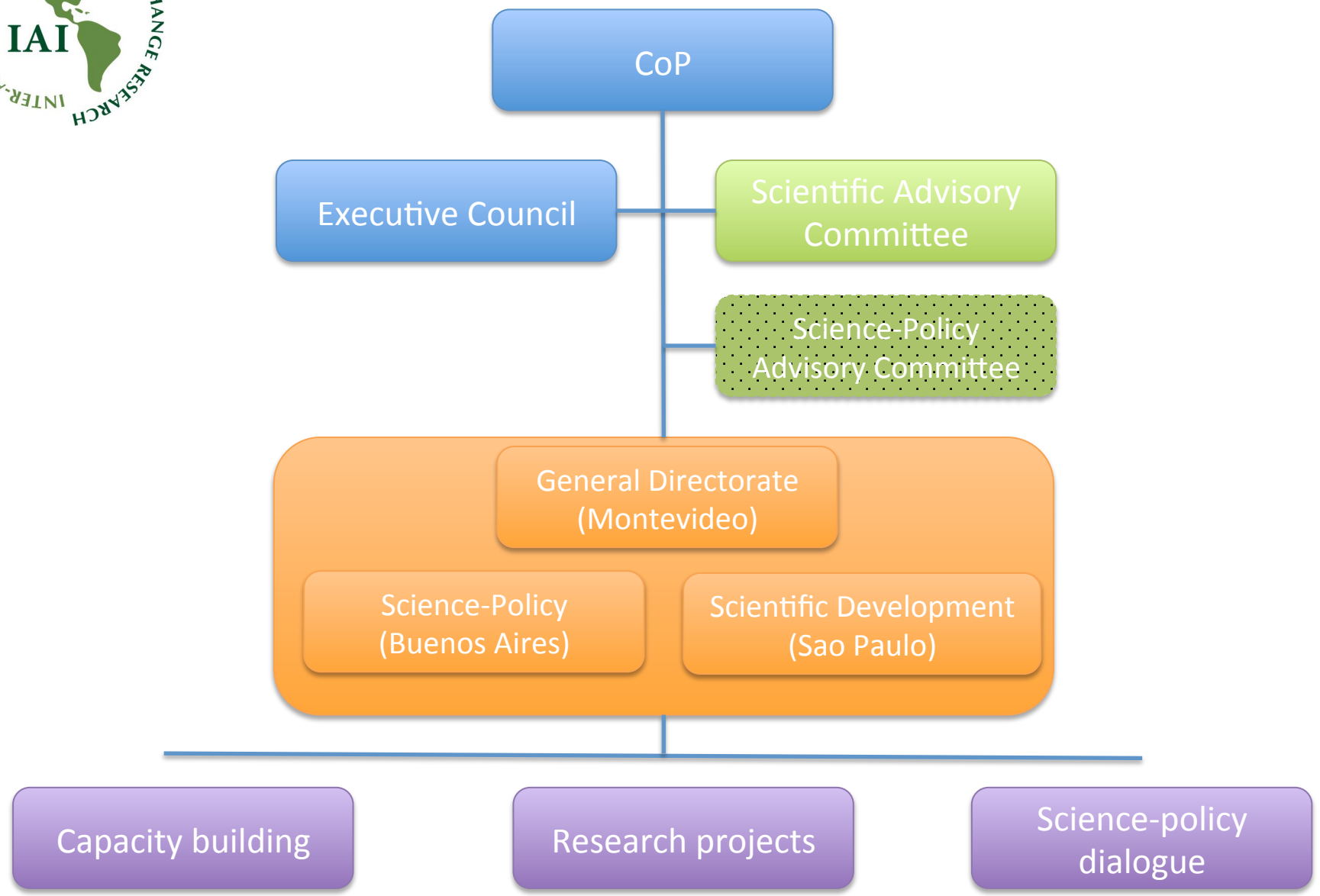


What is the Inter-American Institute for Global Change Research?

- ✓ An intergovernmental organization of 19 countries in the Americas,
- ✓ established by treaty in May 1992,
- ✓ to develop collaborative research on the impact of global change on environments and people in the Americas
- ✓ and provide science-based information to the public and to governments, for the development of public policy relevant to global change.
- ✓ IAI pursues the principles of scientific excellence, international cooperation and full and open exchange of scientific information.



IAI Governance





IAI member countries and representatives at CoP

Argentina

AGUEDA MENVIELLE

CARLOS E. EREÑO

Ministerio de Ciencia,
Tecnología e Innovación
Productiva

Bolivia

CARLOS SALINAS TORRICO

Programa Nacional de
Cambios Climáticos

Brazil

FRANKLIN SILVA NETTO

Ministério da Ciência,
Tecnologia e Inovação
MARIA VIRGÍNIA ALVES
Instituto Nacional de
Pesquisas Espaciais

Canada

ERIC GAGNÉ

Environment Canada -
Science and Technology
Branch

Chile

JOSE M. AGUILERA RADIC

Comisión Nacional de
Investigación Científica y
Tecnológica

Colombia

OMAR FRANCO TORRES

Instituto de Hidrología,
Meteorología y Estudios
Ambientales

Costa Rica

ROBERTO VILLALOBOS

Instituto Meteorológico
Nacional

Cuba

ENRIQUE MORET H.

Ministerio de Ciencia,
Tecnología y Medio
Ambiente

Dominican Republic

BAUTISTA ROJAS GOMEZ

Ministerio de Medio
Ambiente y Recursos
Naturales

Ecuador

RENÉ RAMIREZ GALLEGOS

Secretaría Nacional de
Educación Superior,
Ciencia, Tecnología e
Innovación

Guatemala

LUIS R. ALVAREZ GIRON

Secretaría Nacional de
Ciencia y Tecnología

Jamaica

LEONIE BARNABY

Ministry of Land and
Environment

Mexico

ADRIÁN FERNANDEZ B.

Instituto Nacional de
Ecología

Panama

LESLIE E. MARIN LASCANO

Autoridad Nacional del
Ambiente

Paraguay

CONSTANTINO GUEFOS

KAPSALIS

Universidad Nacional de
Asunción

Peru

ZOILA GÓMEZ GAMARRA

Ministerio del Ambiente

Uruguay

JORGE RUCKS

Ministerio de Vivienda,
Ordenamiento Territorial y
Medio Ambiente

USA

MARIA UHLE

National Science
Foundation

Venezuela

GUILLERMO BARRETO

Ministerio del Poder
Popular para Ciencia,
Tecnología e Industrias
Intermedias



Carolina S. Vera

Centro de Investigaciones del Mar y de la Atmósfera,
Argentina

Claudia E. Natenzon

Facultad de Filosofía y Letras (UBA) - Instituto de
Geografía, Argentina

Frank E. Muller Karger (Chair)

University of South Florida, Institute for Marine
Remote Sensing - College of Marine Science

Harold A. Mooney

Stanford University - Dept Biological Sciences

José A. Marengo Orsini

INPE - Centro de Ciencias do Sistema Terrestre, Brasil

Scientific Advisory Committee

Michelle Grunauer

Universidad San Francisco, Ecuador

Rodolfo Dirzo

Stanford University - Dept Biological Sciences

Susana B. Adamo

Center for International Earth Science
Information Network - Columbia University

Walter E. Baethgen

International Research Institute for Climate and
Society, Columbia University

Werner Wilbert

Centro de Antropología Laboratorio de Ecología
Humana, Venezuela



IAI has developed an extensive research network, generated a significant amount of publications and a successful capacity building program

RESEARCH PROJECTS 2006-2013	TOTAL
Number of projects	39
PIs and co-PIs involved	336
Participating institutions	178
Students with scholarship	562
Total students involved	1002
Students trained in project-organized events	2433
Journals publications	510
Books/Book Chapters	124

Of which 174
pubs related
to ecosystem
services and
biodiversity

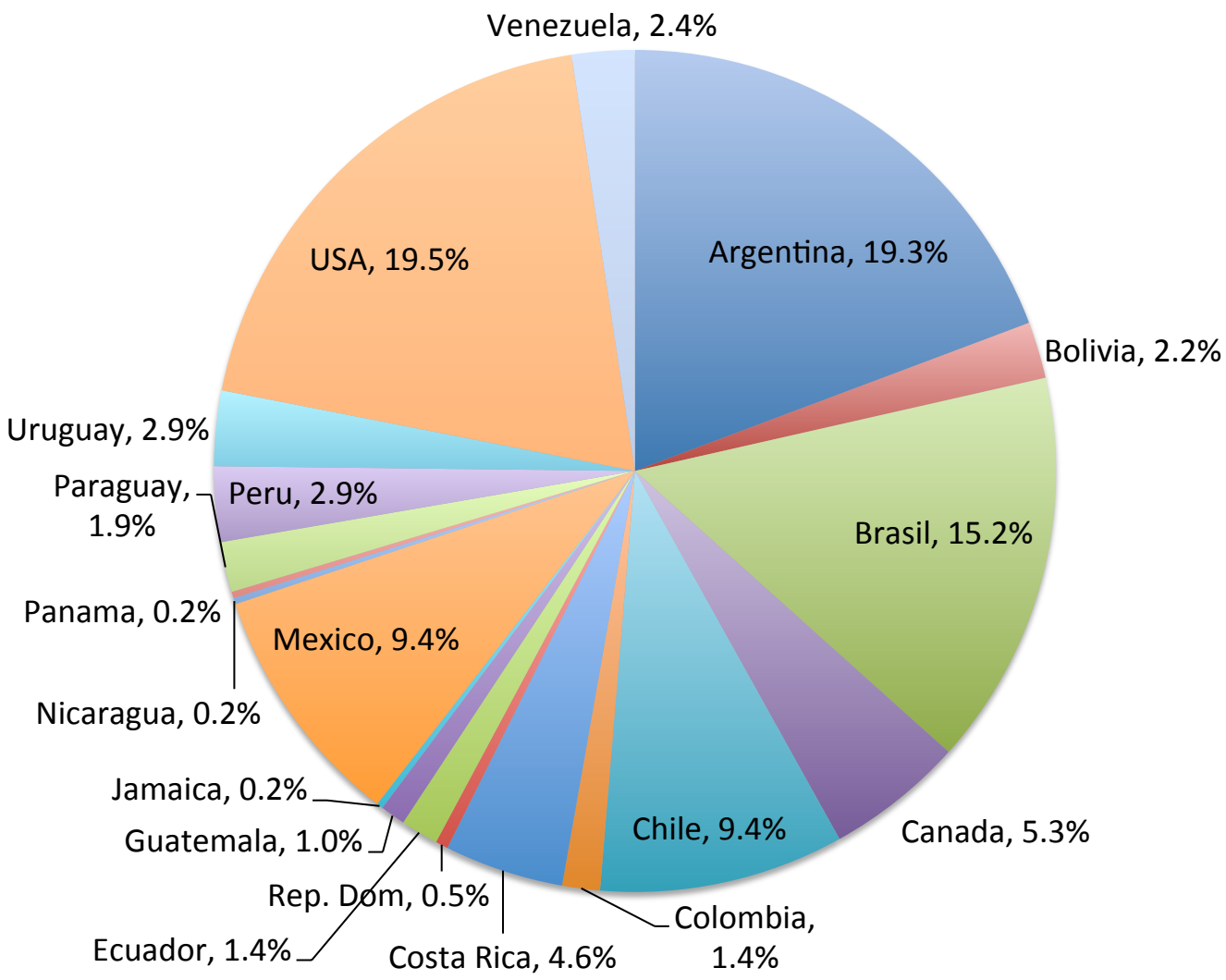
36

CAPACITY BUILDING 2006-2013	TOTAL
Number of events: Colloquia, Training institutes, Meetings, Summer Institutes, Workshops	23
Number of participants	1179
Number of speaker/trainers	298

Results of IAI science have supported r
programs on global change adaptation
on the role of symbiotic soil fungi were u
select wheat genotypes with improved
to the Prairies and with reduced depend
food security and production levels in
change. □



Distribution of PI and Co-PIs, by country of residence, 2006-2013





Selected research projects

- ✓ From landscape to ecosystem: across-scale functioning in changing environments. PI: Guillermo Sarmiento
- ✓ Functional biodiversity effects on ecosystem processes, ecosystem services and sustainability in the Americas: an interdisciplinary approach (DIVERSUS). PI: Sandra M. Diaz.
- ✓ Functional links between aboveground changes and belowground activity with land use in the Americas: soil biodiversity and food security. PI: Ricardo Luis Louro Berbara
- ✓ Human, ecological and biophysical dimensions of tropical dry forests. PI: Arturo Sanchez-Azofeifa
- ✓ Land use change in the Rio de La Plata Basin: linking biophysical and human factors to understand trends, assess impacts, and support viable strategies for the future. PI: Esteban Jobbagy.
- ✓ Caribbean and coastal scenarios: an integrated analysis of inland coastal linkages to guide sustainable use and protection of coastal ecosystems. PI: Assefa Melesse.
- ✓ Climate variability of major marine ecosystems around South America. PI: Alberto Piola
- ✓ Nitrogen Cycling in Latin America: Drivers, Impacts and vulnerabilities. PI: Jean Pierre Ometto



IPBES work program and IAI, in response to IPBES's communication requesting support

- ✓ IAI can assist in filling knowledge gaps and partner with IPBES in regional science-policy dialogues.
- ✓ IAI is developing its 2014-2017 capacity building program, which includes ecosystem services, and these activities can be of significant relevance to IPBES.
- ✓ IAI has an extensive network of highly regarded scientists and we can assist IPBES in disseminating calls and identifying experts in different scientific disciplines.
- ✓ In addition to access to its scientific network, IAI can contribute with its outreach channels to promote IPBES tools and methodologies.

www.iai.int