

ICCS 4

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Speakers Bios

Abawi, Yahya	3
Ahmed, Kazi Fateha.....	3
Alcoz, Silvana	3
Al-Dobaee, Hanan	4
Allen, Teddy	4
Anderson, Glen	4
Arnott, James.....	4
Baethgen, Walter	5
Baoua, Ousman.....	5
Barboza, Carlos	5
Barboza, Graciana.....	5
Barrios, Camilo.....	5
Beltrame, Francisco.....	6
Berterretche, Mercedes.....	6
Blamey, Ross.....	6
Boulanger, Jean-Philippe	6
Brown, Glenroy	7
Lawrence Buja	7
Cal, Adrián	7
Carr, Edward	7
Chaumont, Diane	8
Chesini, Francisco.....	8
Choularton, Richard	8
Ciganda, Carmen	8
Coelho, Caio	9
Cox, Shelly-Ann	9
Crouthamel, Rick.....	9
Dawidowski, Laura.....	9

Dinku, Tufa	10
Falaiche, Nicolás	10
Fernandes, Erick	10
Fisher-Bruns, Irene	10
Furlow, John.....	11
Genta, José Luis	11
Goddard, Lisa.....	11
Harding, Andrew	11
Hardoy, Jorgelina.....	11
Hidalgo, Cecilia.....	12
Hoell, Andrew.....	12
Holland, Elisabeth	12
Khumalo, Kalisto.....	12
Kinyangi, James.....	13
Letson, David	13
Loboguerrero, Ana María.....	13
Lucio, Filipe.....	13
Mantilla, Gilma.....	14
Martin, Andrea.....	14
Mason, Simon.....	14
Matin, Mir.....	15
McDonald, Anselmo	15
Mejía, Raul.....	15
Methol, María	15
Muñoz, Ángel G.	15
Nair, Shadananan	16
Ndungu, Lilian.....	16
Osgood, Dan.....	16
Pastén, Max.....	17
Palesikoti, Netatua.....	17
Pisciottano, Gabriel	17
Rankine, Dale.....	17
Rohozynsky, Oleksandr	18
Rucks, Jorge.....	18
Ruz, Emilio	18
Saravia, Celmira	18
Shaban, Mawanda	19
Shumake-Guillemot, Joy.....	19
Sierra, Wilson	19
Sitati, Asha.....	19
Spence, Jacqueline.....	20
Stewart, Anna.....	20
Steynor, Anna.....	20
Stone, Roger.....	20
Suarez, Pablo	20
Sawchik, Jorge	21
Tedesco, Carmen.....	21
Terra, Rafael.....	21

Thomas, Ernso.....	21
Tiscornia, Guadalupe	22
Trotman, Adrian	22
Van Meerbeeck, Cédric.....	22
Veizaga, Alfredo.....	23
Vila, Fernando	23
Yusuf-Leon, Farzana	23
Zebiak, Steve.....	24

Abawi, Yahya

University of Southern Queensland

Dr Yahya Abawi BEng (Agricultural), PhD (Civil Engineering), FIEAust, CPEng is a Professor (Integrated agricultural-climate modeling) at the International Centre for Applied Climate Sciences, University of Southern Queensland, AUSTRALIA. He has over 30 years of national and international research experience at university, state and commonwealth government level and has principally been involved in climate variability and climate change adaptation research, water resources investigation, and simulation and modeling of agricultural systems. He has extensive experience in appraisal, development and implementation of national and international projects in Indonesia, South Korea, Philippines, Laos, Cambodia, Bangladesh, Solomon Islands, Vanuatu, Fiji, Kiribati, Tuvalu, Niue, Tonga, Samoa, Cook Islands and Papua New Guinea. He led the development of SCOPIC (Seasonal Climate Outlook for the Pacific Island Countries) and FLOWCAST climate prediction softwares, which are now in operational use in ten Pacific Island countries and SE-Asia. He has been invited as a keynote speaker on climate, agriculture and water related issues at several international forums and has conducted more than 80 training workshops in the Asia-Pacific region. Professor Abawi is a member of the WMO expert team on Climate Education and Training.

Ahmed, Kazi Fateha

World Bank

Kazi Fateha Ahmed is part of the World Bank’s Focal Point Team for the Pilot Program for Climate Resilience (PPCR) and a Climate Change Analyst at the World Bank Group. She works on PPCR knowledge sharing and learning agenda related to climate services, resilience and adaptation issues. Her responsibilities also include day-to-day programmatic management for the Bank’s PPCR project portfolio, working closely with teams for 29 PPCR projects in 15 pilot countries, and support for IDA17 policy commitments on climate resilience. Prior to joining the World Bank, Kazi worked with the Climate Impacts Group at NASA Goddard Institute for Space Studies on climate change and agriculture. She holds an MIA in Environmental Policy from the School of International and Public Affairs at Columbia University and a BA in Economics also from Columbia University.

Alcoz, Silvana

National Water Agency, Uruguay

Silvana Alcoz is Director of the Division, Basins and Aquifers, of the National Directorate of Waters and the National Coordinator of the La Plata Basin Framework Program. She is also the hydrological advisor of the Permanent Representative of Uruguay in WMO. She is a civil engineer and holds a Master's degree in Engineering and a Master's degree in Regional and Urban

Planning, focused on water resources.

Al-Dobaee, Hanan

National Water Resources Authority, Yemen

Hanan Al-Dobaee has 14 years experience working at the National Water Resource Authority (NWRA), which is a division of the Ministry of Water and Environment. This experience includes working as a manager of public relation department and in public awareness. Currently employed as a specialist in the database department (using NWRIS & NWRMIS data base, validating the data, and making trainings in branches about using the data base), Hanan participates in workshops, meetings, seminars and conferences (including climate change workshops).

Allen, Teddy

University of Miami

Mr. Allen is a self-proclaimed “meteorographer” who combines aspects of meteorology and geography to study intra-seasonal rainfall variability and its social applications. His research as a PhD candidate in meteorology at The University of Miami investigates the atmospheric dynamics that support rainfall during the Caribbean early rainfall season. He combines a mixed-methods approach by integrating farmer interviews and satellite derived vegetation indices into his work to understand the social response and biophysical impact that result from annual to sub-seasonal rainfall variability within the Caribbean. His other research related topics of interest include statistical prediction and identifying and supporting the needs of climate information users. In addition, Mr. Allen serves as the Director of Scientific Applications for the International Environmental Data Rescue Organization through which he trains employees at national meteorological services on the data rescue process and provides data analysis and visualization workshops using free software. When not doing science, Mr. Allen enjoys surfing, anything with two wheels, dabbling with the ukulele, and pretending to understand digital photography.

Anderson, Glen

Engility Corporation

Glen Anderson is a Senior Climate Change Expert with Engility International Development in Washington, DC. He currently is serving as Chief of Party on the USAID's Climate Change Resilient Development (CCRD) project focused on adaptation to climate change. Over the past 23 years, he has worked in 40 developing countries in climate adaptation, economic development, benefit-cost analysis, environmental and economic policy, water resources management, and environmental finance. He received his BA in Economics from the University of Washington and holds MA and PhD degrees in Agricultural Economics from the University of Wisconsin-Madison.

Arnott, James

Aspen Global Change Institute

James Arnott is the program director at the Aspen Global Change Institute and a PhD student at the University of Michigan, where his work focuses on interface of science and policy. This includes collaboration with a diverse set of disciplines in the international research community, spearheading innovative research projects, and providing research and consulting to governments and other entities seeking to make use of and respond to pressing environmental issues.

Baethgen, Walter

The International Research Institute for Climate and Society

Dr. Walter E. Baethgen is head of the Regional and Sectorial Research Program and leader of the Latin America and the Caribbean program in the IRI at the Earth Institute, Columbia University. At the IRI he has been establishing regional research programs that aim to improve climate risk assessment and risk management in agriculture, health, water resources, and natural ecosystems. Between August 2010 and April 2012, Baethgen acted as Distinguished Lead Scholar of the NEXUS program of the Fulbright Foundation, which aims to inform the elaboration of policy with scientific research. Before joining the IRI, Baethgen was a senior scientist in the Research and Development Division of IFDC, where he worked mainly in Information and Decision Support Systems for the Agricultural Sector (1987-2003). In that role he established and coordinated regional research programs in Latin America in collaboration with national and international organizations.

Baoua, Ousman

National Meteorological Directorate, Niger

Ousman Baoua YOUCHAOU was born on July 21, 1974 in Niamey, Niger Republic. He attended the University of ILE-IFE (Nigeria) where he obtained a certificate of proficiency in English and later the Federal University of Technology, Akure (Nigeria) for a Bachelor Degree in Applied Meteorology. He got a computer programmer degree at the Institute of Computer and Electronics (Niger). He worked at the Non Governmental Organization SOFT-ENVIRONMENT as Executive Secretary in charge of climate change issue. He joined the National Meteorological Service and served under the Climatology and the forecasting Department. He wrote two articles titled: "Forecasting of dust haze over Niger Republic by the used of the equivalent potential temperature (θ_e)" and "Prediction of the onset of rainy season, based on vertical wind shear method". He frequently delivered lectures on the issue related to climate change.

Barboza, Carlos

Ministerio de Salud Pública de Uruguay

Mr. Barboza works at the Ministry of Public Health of Uruguay, where he is a consultant in the Division of Epidemiology, with a focus on zoonosis and vectors, delegated by the Ministry to the National IDE and private consultant in remote sensing, photogrammetry and GIS.

Barboza, Graciana

Ministerio de Salud Pública de Uruguay

Ms. Barboza is trained as a nurse at the University of the Republic. She works at the division of Environmental and Occupational Health at the Ministry of Public Health of Uruguay and coordinates this unit.

Barrios, Camilo

International Center for Tropical Agriculture

Camilo Barrios is a researcher at the International Center for Tropical Agriculture (CIAT) and the CGIAR Research Program on Climate Change, Agriculture and Food Security (CCAFS), candidate for master in Agricultural Sciences at Colombia National University. Since 2012 he has been working in the Decisions and Policy Analysis Program (DAPA - CIAT), in the crop-climate

modeling team supporting different research projects related to the impact of climate variability on agricultural production systems, as well as, environmental identification and characterization of farming systems in Colombia and Brazil. Currently his research activities are focused in the following projects: *Strengthening the resilience of agriculture to climate variability and change and improving the efficiency of resource use in production systems (Convention on Technical and Scientific Cooperation between CIAT and Colombian Agricultural Ministry)*, and *Methodological development of an online tool for the identification of Target Population Environments: Improving the predictions of agricultural production using crop models (Colombia and Brazil)*.

Beltrame, Francisco

Ministry of Housing, Planning & Environment, Uruguay

Francisco Santiago Beltrame Echeverría was born in Montevideo in 1952. He is an architect who graduated from Facultad de Arquitectura de la Universidad de la República (UdelaR). He worked in the Centro Cooperativista Uruguayo (CCU) as operations director and was responsible for the interdisciplinary teams; he also worked in the directive council and was vice president of the organization. Mr. Beltrame realized numerous consultancies and directed projects linked to social funds for housing and cooperatives. He was part of the Comisión Directiva de la Sociedad de Arquitectos del Uruguay. Between 2005 and 2010 he was adviser to the Dirección Nacional de Vivienda (DINAVI–MVOTMA). Additionally, he was director of Vivienda Rural del MVOTMA and president of the Comisión Honoraria Pro Erradicación de la Vivienda Rural Insalubre (MEVIR).

Berterretche, Mercedes

Ministry of Agriculture, Livestock & Fisheries, Uruguay

Mercedes Berterretche is an agronomy engineer with a Master's Degree in Forest Ecology (Oregon State University). She is the manager of the Agriculture, Livestock and Fisheries National Information System at the Ministry of Agriculture in Uruguay. She previously served as a remote sensing and GIS consultant at Ingenieros Consultores Asociados, an Uruguayan organization that provides specialized information technology solutions, and for several forestry and agriculture firms.

Blamey, Ross

Climate Systems Analysis Group, University of Cape Town

Dr. Ross Blamey is part of the Climate Systems Analysis Group at the University of Cape Town, where his main research interests revolve around extreme/severe weather events, ocean-atmosphere interactions, climate variability, convective precipitating systems and satellite-derived rainfall products. He is also actively involved with projects run by CSAG's climate services.

Boulanger, Jean-Philippe

Eccoclimasol

After 20 years in public research (CNRS and IRD) coordinating international projects such as the FP7 EC CLARIS LPB Project (2008-2012), Jean-Philippe Boulanger founded in 2011 ECOCLIMASOL (www.ecoclimasol.com), a private company dedicated to the design and implementation of climate risk solutions for public and private institutions. The mission of the company is to provide efficient solutions to reduce the climate vulnerability of society. These solutions are provided through a Climate Business Intelligence web-platform, called ClimaVista. ClimaVista gathers key information of the sector and institution of our clients as well as customized solutions designed

by our professionals in order to improve the efficiency of the client decision-making process. The main sectors of activity are agro-insurance risk, agriculture and energy.

Brown, Glenroy

Jamaican Meteorological Service

Mr. Glenroy Brown is a Meteorologist in climate branch and is in charge of the seasonal climate outlook products and programs at the Jamaica Meteorological Service. He received his formal training from Caribbean Institute for Meteorology and Hydrology in 1998. He currently lectures at the Caribbean Maritime Institute and is also involved in climate change activities both locally and regionally.

Lawrence Buja

National Centre for Atmospheric Research

Dr. Lawrence Buja is the director of the Climate Science and Applications Program (CSAP) at the National Center for Atmospheric Research (NCAR) in Boulder, Colorado, which carries out interdisciplinary research on social, economic, and political activities related to climate at local, regional and global scales. CSAP addresses impacts, adaptation and vulnerability to climate change by generating scenarios of projected climate change, developing tools and methods for analyzing current and future vulnerability, and conducting integrated analyses of climate change impacts and adaptation. Dr. Buja also works closely with the World Bank, the InterAmerican Development Bank and other international agencies applying NCAR's climate and regional model expertise to help inform sustainable development investment strategies throughout the developing world.

Cal, Adrián

National Institute for Agricultural Research, Uruguay

Adrian Cal is an agronomist, and since December 2010 he has worked as part of the Agroclimate Unit and Information Systems (GRAS) at the National Institute for Agricultural Research (INIA), where he is involved in research tasks related to climate, climate variability, climate change, and information systems for decision-making, with the use of GIS tools, remote sensing and simulation models.

Carr, Edward

University of South Carolina

Ed Carr joined the Department of Geography at the University of South Carolina in 2003 after receiving a Ph.D. in Geography from the University of Kentucky (2002) and a Ph.D. in Anthropology from Syracuse University (2001). From September 2010 to August 2012, he was a AAAS Science and Technology Policy Fellow serving at the United States Agency for International Development, first as the climate change coordinator for the Bureau for Democracy, Conflict and Humanitarian Assistance (DCHA) and later as a climate change science advisor on the Climate Change Team in the Bureau for Economic Growth, Education and the Environment (E3). In addition to this fellowship from the American Association for the Advancement of Science, he has been awarded a National Science Foundation Graduate Research Fellowship and a Mellon Fellowship in the Humanities from the Woodrow Wilson Foundation.

Chaumont, Diane

Ouranos

Diane Chaumont has a masters' degree in Physical Geography from the University of Montreal. During the 1990s, she participated in several water sampling campaigns and sediment as well as data analysis. These activities are mainly held in the St. Lawrence Centre and INRS-ETE. Subsequently, she joined the applied calculation Research Centre (CERCA) to work in the matching hydrological and meteorological models. Since 2003, she specializes in the analysis of observed climate data and development of hydro scenarios at Ouranos. She has, with others, contributed to the study of climate change impacts on demand and hydroelectric generation in Quebec, the water management in multi-purpose issues, agricultural production or the impact of changes climate on infrastructure in Canada. Ms. Chaumont coordinates the activities of the climate scenarios group at Ouranos since 2006.

Chesini, Francisco

Health Ministry, Argentina

Francisco Chesini is an Environmental Health professional (UNER) and a specialist in Health Engineering. He works for the Argentinian Health Ministry in the programs on "Waste Management Facilities" and "Climate Change and Health," for the Department of Research and Environmental Management, National Directorate of Determinants of Health.

Choularton, Richard

World Food Program

Richard Choularton supports the development of WFP's policy on disaster risk reduction and is responsible for developing innovative risk management solutions targeting the most vulnerable and food insecure populations. Choularton is a specialist in disaster risk management, with extensive experience in emergency preparedness, early warning and planning humanitarian crises. Among his main fields of interests are emergency management, food security, risk transfer, linking robust analysis with decision making, climate change adaption and disaster risk reduction. Prior to his current position in World Food Programme, Choularton served as the Director of Humanitarian Assistance at CHF International, as well as in various positions with the Famine Early Warning Systems Network (FEWS NET) and the World Food Programme. He holds degrees in History and Political Science from Vanderbilt University, and in Risk, Crisis, and Disaster Management from the University of Leicester.

Ciganda, Carmen

Ministry of Health, Uruguay

Carmen Ciganda is a doctor and specialist in Clinical Toxicology; her teaching career is linked to the Faculty of Medicine since 1986, working in the Department of Preventive and Social Medicine at the Cycle Clinic of Pathology and finally as assistant of toxicology until 2002. Dr. Ciganda has done postgraduate Intensive Medicine and a Masters in Environmental Sciences Faculty of the UDELAR. She has served as an expert consultant in the Health Area UNEP on issues of POPs and prepared the National Profile of Uruguay "Climate Change and Health: health sector response" to the WMO/WHO. Dr. Ciganda is the focal point for Uruguay at the Intergovernmental Committee on Environmental and Workers Health at Mercosur. In terms of research, Dr. Ciganda has been coordinator and responsible for several projects related to the relationship between

environment and human health. Since age 13, Dr. Ciganda is linked to social movements and civil society organizations.

Coelho, Caio

Center for Weather Forecasting & Climate Research, Brazil

Caio Coelho is a climate scientist who joined CPTEC/INPE in 2006 after completing his PhD and post-doctoral studies at the Department of Meteorology of the University of Reading, UK. He is member of working groups and expert teams of the World Meteorological Organization (WMO) in the following areas: extended and long-range forecasting, forecast verification and climate services. His research interests include statistical analysis of climate variations, probabilistic seasonal forecasting, forecast verification, assessment and diagnostics of climate extremes, and ocean impacts on South American climate. He leads national and international research efforts in all these areas. He also contributes as lecturer in climate monitoring, prediction and forecast verification to a number of national and international training activities, including those organized by WMO. Most recently he has also been involved in applied research investigating the potential for integrating seasonal climate forecasts in user applications focusing on agriculture, water resources and health. He is also member of the editorial board of Meteorological Application, a Royal Meteorological Society journal, and editor responsible for climate related articles in the Brazilian Journal of Meteorology.

Cox, Shelly-Ann

Caribbean Institute for Meteorology and Hydrology

Dr. Shelly-Ann Cox is currently working as a Research Associate at the Caribbean Institute for Meteorology and Hydrology (CIMH). Her main task is the development of the Caribbean Climate Impacts Database (CID) and its reporting strategy. She is also involved in the effective translation of regional climate outlooks to climate sensitive sectors. Her background in fisheries management brings new perspectives to translating science in order to effectively engage stakeholders. She also applies her creative nature to preparing innovative practical sessions to ensure participation at stakeholder consultations. Shelly-Ann is passionate about her work and the opportunities presented to bring positive change to climate sensitive sectors in the Caribbean.

Crouthamel, Rick

International Environmental Data Rescue

Dr. Richard I. Crouthamel, D.Sc., is the Executive Director of the International Environmental Data Rescue Organization. Rick retired in 2005 from the NOAA's National Weather Service (NWS) after 32 years, where he had been a manager in International Activities for twenty-five years. For the last 10 years, he has concentrated on locating and rescuing historic weather observations worldwide and providing those data to NOAA's National Climatic Data Center for digitizing and entering those data into NOAA's world database. Under his leadership at IEDRO, over 300,000 upper-air observations from Africa and over 700,000 surface observations from South and Central America have been rescued.

Dawidowski, Laura

Comisión Nacional de Energía Atómica, Argentina

Laura Davidowski has a degree in physics from the Faculty of Natural Sciences, University of Buenos. Since 1984, she has developed research activities and technology transfer in the National Atomic Energy Commission, performing the following tasks on the subject of air pollution:

modeling and simulation of processes of dispersion of pollutants in atmosphere; environmental audits of power plants at the request of the National Regulatory Authority for Electricity; studies of atmospheric environmental impact of different types of industries; participation in the implementation of the Inventory of Greenhouse Gases in the industrial sector of Argentina for 1997, and to the industrial and energy sectors in the years 1990 and 1994; modeling the relative contribution of various sources to atmospheric pollution through analysis techniques receptors and neural networks; development of a methodological guide for the assessment of atmospheric impacts associated with the generation of Thermal Power Plants; and comparative study of the environmental risks caused by electricity generation in Argentina, OECD countries and some developing countries.

Dinku, Tufa

The International Research Institute for Climate and Society

Dr. Dinku received his Ph.D. in Civil Engineering/Hydrometeorology from the University of Connecticut in 2005, and joined the IRI right away. He has over twenty years of operational and research experiences in the area of meteorology, climate science and climate services. His current work focuses on improving climate services in Africa through improved data availability, access and use.

Falaiche, Nicolás

Salto Grande Hydro Power Dam

Nicolás Falaiche has been working as a hydrologist in the Salto Grande hydropower dam for 6 years. He graduated as Civil Engineer from the Universidad de la República of Uruguay. He also has an MSc's degree from the Instituto de Pesquisas Hidraulicas of the Universidad Federal de Rio Grande do Sul. He has been a professor of hydrology in the Universidad de la República Regional Salto and Montevideo for 15 years.

Fernandes, Erick

World Bank

Erick Fernandes is an Adviser on Agriculture, Forestry, and Climate Change at the World Bank with 35 years of operational experience in agriculture and natural resource management in Africa, Latin America, and South Asia. Prior to joining the World Bank in 2003, he was International Professor for Crop and Soil Science at Cornell University, USA with research programs on enhancing the productivity and environmental services of tropical agroecosystems in Africa and Latin America. During his tenure at Cornell, he was a Principle Investigator in the NASA supported Large Scale Biosphere Atmosphere program (LBA Eco) quantifying carbon and nutrient dynamics in the Brazilian Amazon.

Fisher-Bruns, Irene

German Climate Service Center

Dr. Irene Fischer-Bruns serves in the Department of Networking and Marketing at the German Climate Service Center. Since the founding of the Climate Service Center, Dr. Fischer-Bruns has worked to establish the Center as scientific assistant of former director Prof. Guy Brasseur, whom she supported in his management tasks and the strategic development of the Center. In addition to the investigation of scientific issues regarding climate change, Dr. Irene Fischer-Bruns' work focuses primarily in the field of science management. This includes: scientific quality assurance, resource planning, controlling, progress reporting, strategic development, consolidation of the

contents supplied by the specialist departments, conception and preparation of presentations, preparation and follow-up of meetings, scientific cooperation.

Furlow, John

United States Agency for International Development

Mr. John Furlow is the USAID climate change team's leader on impacts and adaptation in developing countries. Mr. Furlow led the development of the USAID's Climate Change Adaptation Guidance Manual, the Coastal Climate Change Guide, and the Climate Mapper, a tool providing map-based access to historical weather data and projected climate data.

Genta, José Luis

Intergovernmental Coordination Committee of the La Plata Basin

José Luis Genta has been the general secretary of the Intergovernmental Coordinating Committee of the La Plata Basin countries since 2011. Prior to this, Mr. Genta developed activities in hydrology and climate in the Universidad de la República, Uruguay. In academia, he served as director of the Fluid Mechanics and Environmental Engineering Institute (IMFIA) from 1992-1998 and established an interdisciplinary academic coordination between environment and integrated water resources management. At IMFIA he also articulated and coordinated the Climate Working Group between 1990 and 2005.

Goddard, Lisa

The International Research Institute for Climate and Society

Dr. Lisa Goddard is the director of the IRI and an adjunct associate professor within the Department of Earth and Environmental Sciences of Columbia University. She has been involved in El Niño and climate forecasting research and operations since the mid 1990s. She has extensive experience in forecasting methodology and has published papers on El Niño, seasonal climate forecasting and verification, and probabilistic climate change projections. Currently leading the IRI's effort on near-term climate change, Goddard oversees research and product development aimed at providing climate information at the 10-20 year horizon and how that low frequency variability and change interacts with the probabilistic risks and benefits of seasonal-to-interannual variability. Most of Goddard's research focuses on diagnosing and extracting meaningful information from climate models and available observations. She also developed and oversees a new national post-doctoral program, the Post-docs Applying Climate Expertise Program (PACE), which explicitly links recent climate PhDs with decision-making institutions. In addition, she sits on five scientific advisory panels and co-chairs two working groups.

Harding, Andrew

ClimateXChange

Dr. Andrew Harding is a Climate Impact Scientist at ClimateXChange, Scotland's centre of expertise connecting climate change research and policy. Dr. Harding has previously worked as a lecturer and statistical downscaling professional at McGill University and a research and teaching assistant at the Climate Research Unit at the University of East Anglia.

Hardoy, Jorgelina

International Institute for Environment and Development – América Latina

Jorgelina Hardoy has a degree in Geography from the University of Buenos Aires and an MA from Rutgers, the State University of New Jersey. She has been a staff member at the International Institute for Environment & Development - América Latina since 1994, where she is a researcher.

Hidalgo, Cecilia

University of Buenos Aires

Cecilia Hidalgo is full Professor in the department of Anthropology at the University of Buenos Aires. Her interests are in anthropology of science, currently studying the conditions that facilitate interdisciplinary research on complex environmental problems with participation of relevant social actors. For the next five years, Dr. Hidalgo will serve as Project Director of a multi-national project on provision of climate services in southeastern South America; the project is funded by the Inter-American Institute for Global Change Research.

Hoell, Andrew

University of California Santa Barbara

Dr. Andrew Hoell is a meteorologist specializing in climate variability and change at the University of California Santa Barbara and the Famine Early Warning Systems Network. The overarching goal of Dr. Hoell's research is to better understand the atmospheric circulations and land surface conditions responsible for precipitation and water resources over Africa, the Middle East and Southwest Asia. Dr. Hoell examines how past and present regional droughts and pluvials fit into a global framework and analyzes the specific atmospheric and land surface forcing mechanisms responsible for changes in precipitation. Dr. Hoell also focuses on tropical climate variability, as the dynamical forcing of global precipitation on time scales of weeks to decades is closely linked to processes over the tropical Indo-Pacific Ocean. Dr. Hoell communicates topical and societally relevant climate information to government representatives, stakeholders and food security analysts through his work with the Famine Early Warning Systems Network. Dr. Hoell is involved in forecasting efforts meant to provide early warning for potential crises as well as the training of national representatives from Africa, Central America and Southwest Asia.

Holland, Elisabeth

University of the South Pacific

Professor Elisabeth Holland is the director of the Pacific Center for Environment and Sustainable Development (PaCE-SD) at the University of South Pacific. Dr. Holland has long been a leader in studies of the global nitrogen cycle and its interactions with the carbon cycle and the Earth System and also serves as professor of climate change at USP. With a career spanning more than three decades, Professor Holland is a Leopold scholar and served as a Senior Scientist and Leader of the Biogeosciences Program at the National Centre for Atmospheric Research in Boulder, Colorado, USA.

Khumalo, Kalisto

Zambia Meteorological Department

Khumalo is holder of a Diploma in Agribusiness management, Natural Resource Development College, Lusaka Zambia. He is employed under the Zambia Meteorological Department, Head of the Agriculture Meteorological section. He has been working for the Department for 23 years in different provinces, namely western, southern and Lusaka. He has a Certificate in General Agriculture and a Certificate in Meteorology. He has studied early warning and drought adaptation technologies in China at the institute of Agriculture environment and resource, Shanxi Academy of Agriculture. He has also studied agromet based yield estimation using geospatial water requirement satisfaction index (WRSI), organized by Feminine early warning system Zambia.

Kinyangi, James

Climate Change and Food Security, International Livestock Research Institute

Dr. James Kinyangi is a regional program leader for the Climate Change Agriculture and Food Security theme of the Consultative Group for International Agricultural Research. Dr. James Kinyangi holds PhD (Cornell) and MSc (Michigan State University) degrees in Crop and Soil Sciences. Before joining CCAFS, he was Production Advisor for the Food and Agriculture Organization of the United Nations. As an adviser, he initiated work on the development of agricultural water infrastructure and testing production technologies that benefit smallholder farmers and vulnerable communities in Swaziland. Prior to that, he worked at ILRI on the CPWF Basin Focal Projects, leading water and poverty analyses in the Nile basin and also conducting an IDRC-DFID-CCAA commissioned regional study on vulnerability to climate change and climate variability.

Letson, David

University of Miami

Dr. David Letson co-teaches in the Ecosystem Science and Policy program and is Professor and Chair of the Division of Marine Affairs and Policy at the Rosensteil School for Marine and Atmospheric Science, at the University of Miami, where he has worked since 1995. Dr. Letson's research focuses on natural resource economics, with particular emphasis on the economics of extreme weather and climate variations. Specifically, he is interested in the value of predictions from the geosciences and in how those predictions are interpreted and used. A critical part of Dr. Letson's research has been the process of team formation and collaboration since it has enabled him to move beyond isolated studies of parts of weather and climate problems to a more systemic view.

Loboguerrero, Ana María

International Centre for Tropical Agriculture

Dr. Ana María Loboguerrero is a regional program leader for the Climate Change Agriculture and Food Security (CCAFS) theme of the Consultative Group for International Agricultural Research (CGIAR), based at the International Center for Tropical Agriculture (CIAT). Dr. Loboguerrero previously worked at the Research and Monetary and Reserves Department of the Central Bank of Colombia, the Research Department of the Inter-American Development Bank and the Sustainable Environmental Development Deputy Directorate of the National Planning Department of Colombia as Coordinator of Climate Change. She was also Professor of Economics at University of California, Los Angeles, and University of Los Andes, University Javeriana, and University of Rosario in Bogotá. She also taught Economics of Climate Change at University of Los Andes. In 2011, Ana Maria participated in the NEXUS Fulbright Program with a project related to the Economics of Climate Change for Colombia, which included a three months research visit to the International Research Institute for Climate and Society at Columbia University.

Lucio, Filipe

Global Framework for Climate Services

Filipe Domingos Freires Lúcio is the Director of the Global Framework for Climate Services (GFCS) Office, in the WMO Secretariat. Filipe Lúcio joined the World Meteorological Organization in 2007 following 20 years of hands-on experience in operational meteorology and research, 10 of which as the Director of the National Institute of Meteorology of Mozambique.

Mantilla, Gilma

Independent Consultant

Dr. Gilma Mantilla has over 20 years of public health experience, including in designing and implementing public health policy, health promotion and disease control programs and disease surveillance and control systems at international, national and local levels. In the last 8 years, she has focused on advancing policy processes regarding the development of effective demand for climate information including the implementation of innovative tools and protocols for creation, integration and dissemination of knowledge and information related with climate and public health. She also contributes to applied research to produce risk profiles of selected climate-sensitive diseases by country and region and development of partnerships to assess and verify climate and health information. Dr. Mantilla is a graduate of Columbia University (Climate and Society MA, 2008), Rosario University, Colombia (Epidemiology 1998), Javeriana University, Colombia (Master in Health Management, 1993) and Escuela Colombiana de Medicina (Physician Surgeon, 1988).

Martin, Andrea

Cascadia Consulting

Andrea Martin, an associate at Cascadia Consulting Group, develops and employs customized tools and techniques to support better decision-making. With a strong background in climate science, economics, and public policy, Andrea understands and incorporates environmental, social, and economic systems and values into her work. Through targeted information gathering, synthesis, and distillation, she develops policies and tailors analyses and communications to meet unique audience needs. Currently, she is the task manager for a climate adaptation options assessment for regional transit agency Sound Transit, lead manager and developer for a climate impacts decision-support tool to inform climate-resilient urban planning in Vietnam, and technical lead for Seattle Public Utilities' water conservation technical assistance program. Her past projects include the development of a climate action plan for the City of Shoreline, WA; an energy conservation and resilience strategy for the City of Edmonds, WA; and an LID Training Plan for the Washington Department of Ecology. Prior to joining Cascadia, Andrea worked in a biogeochemistry laboratory at the Smithsonian Environmental Research Center, where she examined the adaptability of coastal wetlands to future climate conditions. Andrea holds a Master's degree in Environmental Economics and Policy from Duke University and a B.S. in Biology from the University of North Carolina.

Mason, Simon

The International Research Institute for Climate and Society

Dr. Simon Mason has been involved in seasonal climate forecasting research and operations since the early 1990s. He has published numerous papers on seasonal climate forecasting and verification, climate change, and southern African climate variability. He has extensive experience in the production of seasonal climate forecasts in contexts such as the Regional Climate Outlook Forums, and works closely with the World Meteorological Organization (WMO) to promote the definition and adoption of forecasting and verification standards through engagement in relevant WMO Expert Teams and through the WMO CLIPS Capacity Building Workshops. Mason joined the IRI in 1997, working initially at the Scripps Institution of Oceanography, and moving to Columbia University in 2003. Prior to joining the IRI, Mason was deputy director of the Climatology Research Group at the University of the Witwatersrand, in South Africa, where he developed empirical models for predicting southern African rainfall variability. Mason is a Visiting Senior

Fellow in the Centre for Analysis of Time Series at the London School of Economics and Political Science.

Matin, Mir

International Center for Integrated Mountain Development

Dr. Mir Matin, a Senior Geospatial Application Specialist, leads the user engagement task and coordinates the SERVIR-Himalaya Demand Team at the International Centre for Integrated Mountain Development (ICIMOD) based in Kathmandu, Nepal. He has over 20 years of experience in the application of geospatial science in diverse areas of natural resources management, having worked for International Water Management Institute (IWMI) in Sri Lanka for 3 years and the Center for Environmental and Geographic Information Services (CEGIS) in Bangladesh for 10 years. Mr. Matin has also played a leading role in many key projects in the region including development of geospatial databases and applications for disaster management and water and natural resources management. He holds a Ph.D. from the University of New Brunswick in Canada, an MSc. in Geoinformatics from ITC Netherlands and Mathematics from Dhaka University, Bangladesh.

McDonald, Anselmo

Gorgas Memorial Institute for Public Health Studies

Medical doctor and researcher at Gorgas Institute. Areas of research include weather and health working with the local meteorology agency (ETESA) and the Health Ministry, developing models for the forecast of *Aedes aegypti* infestation in Panama City and its representation in Geographic Information System. Our vision is to create a unified center for Weather and Health in Panamá. He is also a professor of Biostatistics and Scientific Research Methodology.

Mejía, Raul

National Institute for Meteorology and Hydrology, Ecuador

Raul Mejía is a Statistician Engineer with a Master in Statistics. He is the Guayas Office Coordinator of the National Weather and Hydrological Service of Ecuador (INAMHI).

Methol, María

Ministry of Agriculture, Livestock & Fisheries, Uruguay

María Methol is an Agronomy engineer (Universidad de la República de Montevideo, Uruguay) and a Master of Sciences (M.Sc.), Universidad de Montevideo, Uruguay. She is a specialist in agroclimate risk management and agricultural insurance. She has studied in Spain (Centro Internacional de Altos Estudios Agronómicos del Instituto Agronómico Mediterráneo), México (AGROASEMEX) and Costa Rica (CATIE). Since 1992 she has been technical advisor for the Oficina de Programación y Política Agropecuaria (OPYPA) del MGAP (Uruguay).

Muñoz, Ángel G.

The International Research Institute for Climate and Society

Ángel G. Muñoz is a graduate research fellow in climate sciences at IRI and a PhD student in the Columbia University Department of Earth and Environmental Sciences (DEES). After graduating from the Universidad del Zulia with a BS in physics, Muñoz pursued an MS in fundamental physics (numerical general relativity) in Universidad de Los Andes (Venezuela). He also holds a MA from DEES, with research focusing on climate extreme events in southeastern South America. Before arriving at the IRI in 2011, he was associate professor in the Department of Physics of

Universidad del Zulia, and acted as deputy director and then coordinator of the Geosciences Area at the Center for Scientific Modeling (CMC), in Venezuela. At the CMC he helped create the Latin American Observatory, a regional partnership aimed at improving regional capacities and networking to provide useful, climate-smart products for decision-makers in Latin American countries. The Observatory offered him the opportunity to work directly with decision-makers on different projects for the Interamerican Development Bank; the United Nations; the World Bank; Comunidad Andina de Naciones; the Environmental Ministry of Ecuador; and the national weather services of Ecuador, Peru, Colombia, Bolivia, Chile, and Panama.

Nair, Shadananan

Center for Earth Research and Environment Management

Dr. Shadananan Nair is the Executive Secretary & Director of Research at the Centre for Earth Research & Environment Management, a non-profit organization based in Kochi, India. Additionally, he is working as Consultant Scientist at NANSEN Environmental Research Centre India (NERCI), and Course coordinator for the Graduate program in Geology & Water Management at BK College, M.G. University.

Ndungu, Lilian

Regional Centre for Mapping of Resources for Development

Lilian Ndungu is a Geographic Information Systems (GIS) Specialist on the SERVIR-East and Southern Africa Program based at the Regional Centre for Mapping of Resources for Development (RCMRD) in Nairobi, Kenya. With a background in Information Technology and GIS & Remote Sensing, her interests are in the use of technology in agriculture to improve food security, knowledge management, local knowledge application in policies and decision-making, and use of remote sensed technologies to predict yields in Africa. Lilian is currently working on the Land Potential Knowledge System (LandPKS), a project that is using mobile technology to allow users to dynamically determine land potential at the site level. Her role focuses on GIS and remote sensing data analysis, programming using python and liaison, and capacity building. Previously she has worked as a GIS consultant for the GFA Consulting Group on donor-funded projects in the water and sanitation sector. She has also worked for 3 years in mapping of resources for Kenya's informal settlements (slums) at the Water Services Trust Fund (WSTF). At WSTF, she worked on the slum water resources mapping project, Majidata and Urban Basic Sanitation for the Urban Poor (UBSUP) which focused on mapping and up-scaling sanitation facilities in low income areas.

Osgood, Dan

The International Research Institute for Climate and Society

Dr. Daniel Osgood brings advances in the use of climate information and financial mechanisms to improve livelihoods in developing countries. His PhD in agricultural and resource economics at the University of California at Berkeley addressed the use of weather information in irrigated agriculture. He has been involved in insurance design and evaluation for development and adaptation oriented index insurance pilots in more than a dozen countries, breaking barriers in index insurance through products with high take-up and dramatic scaling. Tens of thousands of smallholder farmers have purchased contracts he has helped design in farmer-driven processes. Research contributions include work on the use of probabilistic information in decision making, the valuation of environmental features, the use of remote sensing proxies in quantifying environmental amenities and environmental risk, the value of information in negotiation and

markets, how uncertainty, risk, and information impacts negotiations between players, and work specific to index insurance, climate information, adaptation, and economic development. Osgood has been awarded several million dollars of funding for his work. He has been involved in global policy processes such as the COP and GHF meetings and his work has received attention in popular press outlets such as the *Guardian*, *Nature*, the *New York Times*, and Reuters.

Pastén, Max

Universidad Nacional de Asunción, Paraguay

Max Pastén studied meteorology at the Polytechnic School of the National University of Asunción (1992); he earned a degree in mathematics and statistics mention (2005), and a specialization in environmental engineering (2007). Since 1992 Pastén has worked at the Department of Meteorology and Hydrology, where he is currently under the Department of Climatology. Since 1993, he has worked at the Polytechnic School, currently in charge of the Division of Meteorology. He has conducted numerous workshops on seasonal prediction and the generation of climate scenarios using dynamic models. He has also consulted on a number of projects for UNEP and IDB, among others.

Palesikoti, Netatua

Secretariat of the Pacific Regional Environmental Programme

Dr. Netatua Pelesikoti is director the Climate Change Division at the Secretariat of the Pacific Regional Environmental Programme (SPREP), where she is responsible for SPREP's Strategic Plan's climate change programme covering adaptation, climate policy and science (including information, meteorology and climate services) and mitigation (reducing greenhouse gasses emissions). Her PhD was in environmental science specializing in coastal systems monitoring (coral reef, sea grass and coastal water quality). She had a long career at the national level (20 years with the Government of Tonga). She currently focuses on the regional level for 11 years working in areas of disaster risk management, climate change and sustainable development in almost all of the Pacific Island Countries. Dr. Pelesikoti is a lead author in the IPCC AR5th report chapter 29 on Small Islands.

Pisciottano, Gabriel

Uruguayan Meteorological Institute

Gabriel Pisciottano is currently President of the Instituto Uruguayo de Meteorología (INUMET). He has been a faculty member at the School of Engineering at Universidad de la República, where he previously graduated as a Mechanical Engineer, for 30 years. He led the conformation of a group on atmospheric dynamics at the university and played a key role in the creation of the first Bachelor Degree in Atmospheric Sciences. He was also chair of the Mechanical Engineering and Industrial Production Institute.

Rankine, Dale

University of the West Indies, Mona

Dale Rankine is a graduate student in the Department of Physics at the University of the West Indies, Mona Campus. A graduate of Kingston College, Rankine holds a B.Sc in Mathematics/Meteorology and a M.Sc in Natural Resource Management (specializing in climate change) both read at the Cave Hill Campus of UWI. Rankine worked as an applied meteorology at the Jamaican Meteorological Service from 2000-2005. He was later employed at the United Nations Office for Project Services (UNOPS) as Jamaica's National Coordinator for the Global

Environment Facility Small Grants Programme (GEF SGP) and the UNDP/GEF Community-based Adaptation Project.

Rohozynsky, Oleksandr

SERVIR Demand Activity at DAI

Dr. Oleksandr Rohozynsky is Senior Lead for Evaluation with the SERVIR Demand Activity program. He is an Evaluation Specialist with over 15 years of experience in economic analysis and evaluation studies. Dr. Rohozynsky. Prior to joining the DAI-SERVIR team, he worked as Director of Monitoring and Evaluation, at dTS and as an associate at QED Group. At both companies he conducted, led, and participated in numerous evaluations of international projects in areas spanning global climate change, healthcare/HIV and social marketing, agriculture, financial sector reforms, trade policy, information-communication technologies, and civil society development/NGOs. Dr. Rohozynsky also has extensive experience leading non-government organizations. He worked as President of Economic Education and Research Consortium (EERC), Director of Kiev School of Economics, and Executive Director of CASE Ukraine think-tank. His experience includes working in Afghanistan, Belarus, Central Asia (Kazakhstan, Kyrgyzstan, and Tajikistan), Kenya, Nepal, Pakistan, Poland, Russia, Uganda, and Ukraine, and providing technical support to evaluations in Morocco, DRC, and Iraq. Dr. Rohozynsky holds an M.B.A. in Industrial Marketing; an M.S. in Applied Mathematics; an M.A. in Economics, and a Ph.D. in Policy Analysis. He is fluent in English, Russian, and Ukrainian and is conversant in Polish.

Rucks, Jorge

Ministry of Housing, Territorial Planning, & Environment

National Director of the Environment for the Housing, Territorial Ordinance, and Environment Ministry and President of the National System for Climate Change and Variability Response Group. He is an architect, at the Montevideo Architecture faculty, UDELAR and Specialization in metropolitan area system, Engineering Faculty, Rome, Italy, among others. He specializes in infrastructure and rural equipping of the Rural Development Department of the OEA in Honduras. From 1985-1992 he was Coordinator of the Energetic Geography Project in Ecuador. He conducted a study for the development of renewable energy in Uruguay - INE - Uruguay and a National Environment study of Uruguay OPP - BID/OEA.

Ruz, Emilio

PROCISUR

Emilio Ruz is Agronomist from the Pontificia Universidad Católica de Chile. He has Master and Ph.D. in Soil Science, both from Massey University in New Zealand. He has extensive experience in agricultural research and research institutes address. Since 2004 he has served as Executive Secretary of the Cooperative Program for Technological Development of Agriculture and Agro Southern Cone -- PROCISUR, promoting cooperation between national agricultural research institutes of Argentina, Bolivia, Brazil, Chile, Paraguay, Uruguay and IICA, through Regional Platforms Technological and Institutional and coordinating international research projects, innovation and development innovations. It is also Regional Specialist in Technology and Innovation of the Inter-American Institute for Cooperation on Agriculture - IICA.

Saravia, Celmira

Universidad de la República, Uruguay

Professor Celmira Saravia is an agronomy engineer (1996, Universidad de la República), holding a master's degree in agrarian sciences (2010, Universidad de la República). Her research interests involve thermal stress in pasturage animals and effects of climate change and variability in human and animal health.

Shaban, Mawanda

Uganda Red Cross Society

Mawanda Shaban is the Community Resilience Manager, under the Disaster Risk Management Directorate at the Uganda Red Cross Society (URCS). He oversees URCS safety and resilience activities, including those geared towards disaster risk reduction and climate change adaptation. Shaban is also a focal point for coordination activities between URCS, the national platform for DRR, the National Meteorological Authority and other national and regional networks. Since 2008, Shaban has spearheaded innovative work at the URCS to ensure safety and resilience of high-risk communities in Uganda. He currently supervises the Integrated Climate Change Adaptation Project, which is piloting a forecast based financing system as a key risk reduction innovation. Shaban earned a Masters' degree in Disaster Management from the University of the Free State.

Shumake-Guillemot, Joy

World Health Organization/ World Meteorological Organization

Joy Shumake-Guillemot, Dr.PH., MSc, leads the WHO/WMO joint office for Climate and Health. She is an environmental health scientist who has worked with WHO, WMO, UNICEF and others to develop public health and development policy and programming to address climate change. Joy was the lead author of the health thematic in the design of the Global Framework for Climate Services; and the new WHO Operational Framework for Climate Resilient Health Systems. She has extensive field experience supporting public health and humanitarian programmes across Africa, Asia, and Latin America. Her work focuses on translating climate science to public health action by building capacity to use of climate-informed decision-tools and risk assessments to make better health planning decisions. Joy holds an MSc in Environment and International Development from the University of East Anglia (UK), and a Doctor of Public Health in Environmental Health Sciences from Johns Hopkins University (USA).

Sierra, Wilson

Dirección Nacional de Energía

Wilson Sierra is a chemical engineer trained at the University of the Republic, Uruguay. He has worked in the Area of Renewable Energy at the National Energy Department. He worked in the Ministry of Energy and Mines since 2008 and served as the coordinator of this group since 2010.

Sitati, Asha

United Nations Environment Programme

Asha Sitati is a trained environmental scientist working at the United Nations Environment Programme (UNEP) in the Division of Early Warning and Assessment. She has an interest in vulnerability assessment and disaster risk reduction based on her work that focuses on how the existing early warning systems can be made more integrated, timely and actionable. She has extensively undertaken surveys in different parts of Kenya to seek DRR actors' and vulnerable people's perspectives on how early warning systems can be made more effective. She holds a degree in Environmental Science and a masters in Environmental Planning and Management from the University of Nairobi alongside other trainings.

Spence, Jacqueline

Jamaican Meteorological Service

Ms. Spence has been employed at the Meteorological Service, Jamaica for over 12 years where she has managed the Applied Meteorology section for the greater portion of that time. She has represented Jamaica at various international and regional meetings one of which is the Intergovernmental Panel on Climate Change meetings. She is currently the Co-Chair of the Working group for the Development of Climate Services for the Agricultural sector and is now acting in the post of the Climate Branch Head of the Meteorological Service.

Stewart, Anna

State University of New York Upstate Medical Campus

Dr. Anna M. Stewart Ibarra is a Research Assistant Professor in the Department of Microbiology and Immunology and the Latin America Research Program coordinator for the Center for Global Health and Translational Science at the State University of New York Upstate Medical University. Her background is in systems ecology and social-ecological modeling applied to vector-borne diseases, and her research interests broadly include climate and water-sensitive infectious diseases that affect coastal urban populations in Latin America. She has spent much of the last 8 years engaged in operational research to strengthen dengue fever surveillance in Ecuador, in close partnership with the Ministry of Health and National Institute of Meteorology and Hydrology. She is currently the project lead and co-PI on a multi-year dengue surveillance study, co-PI on a study of environmental surveillance and modeling for cholera, and PI on a multi-country study to assess institutional and community responses to flooding in coastal regions in Latin America. Stewart received a concurrent PhD in ecology from the SUNY College of Environmental Science and Forestry and a Masters in Public Administration from the Maxwell School of Citizenship and Public Affairs at Syracuse University.

Steynor, Anna

Climate Systems Analysis Group, University of Cape Town

Anna Steynor is the Science Engagement Lead at the Climate Systems Analysis Group at the University of Cape Town in South Africa. Previously, she worked at the UK Climate Impacts Programme in Oxford. At CSAG, Steynor is involved in stakeholder engagement, with the aim of bridging the gap between climate science and society. Steynor's work focuses on the involvement of stakeholders in developing decision-relevant tools, the development of climate services within Africa, and the processes of adaptation.

Stone, Roger

University of Southern Queensland

Professor Stone has worked in meteorological and climatological research for over 30 years, particularly in modeling climate systems to agricultural production and water resource management, globally. He is currently the Director of the International Centre for Applied Climate Sciences and a Professor in Climate Science at the University of Southern Queensland in Toowoomba, Australia. His research interests include climate modeling, climate forecasting, and integrated climate-agricultural-financial-water resource modeling.

Suarez, Pablo

Red Cross/Red Crescent Climate Centre

Dr. Pablo Suarez's research focuses on the use of information for reducing vulnerability. He is associate director of programs for the Red Cross/Red Crescent Climate Centre, and an advisor for Oxfam America's Private Sector Team. He has consulted for the United Nations Environment Programme, the World Bank, the Dutch Ministry of Foreign Affairs, the International Institute for Sustainable Development (IISD), the American Association for the Advancement of Science (AAAS), the Potsdam Institute for Climate Impact Research (PIK) in Germany and other international organizations, working in more than 30 countries. Dr. Suarez is a visiting scholar at Boston University and a guest scholar at the International Institute for Applied Systems Analysis (IIASA). He has worked and published on a diverse range of issues including transportation modeling, food security implications of changing rainfall patterns, microinsurance instruments for subsistence farmers, and the impact of the HIV/AIDS pandemic on disaster management organizations.

Sawchik, Jorge

National Institute for Agricultural Research

Jorge Sawchik did his undergraduate work in the Faculty of Agronomy (UdelaR) and went on to earn a master of soil sciences and PhD in soil fertility at Iowa State University. He is the director of the crop program at INIA and work in the areas of Crop and Soil, Water Management.

Tedesco, Carmen

Development Alternatives Incorporated

Carmen Tedesco is the Senior Lead for Program Demand for the SERVIR Demand Activity program. In this role, she works with USAID and NASA, and regional institutions around the world, to increase understanding of how geospatial technologies and Earth Observation data can improve climate change decision-making. Specifically, she supports user engagement activities to further increase demand for climate applications, services, and tools. She has extensive experience as a development professional researching, evaluating, implementing and managing programs both internationally and domestically. Her specialty is climate change adaptation and geospatial technologies, and she has applied that knowledge most extensively to USAID programs. She holds a BA in Geography (Middlebury College) and an MA in Geography (University of Illinois, Urbana-Champaign).

Terra, Rafael

Universidad de la República, Uruguay

Rafael Terra is a faculty member at the Fluid Mechanics and Environmental Engineering Institute at the School of Engineering, Universidad de la República, Uruguay. He graduated as an Engineer from Universidad de la República and obtained a Ph.D. in Atmospheric Sciences from the University of California at Los Angeles (UCLA). His expertise is in numerical modeling of the atmosphere. He has recently led several projects related to the incorporation of climate information to decision making processes and climate risk management in the energy and agro sectors.

Thomas, Erno

Ministry of Agriculture, Haiti

Erns Thomas, Agronomist Engineer and a Specialist of Population, Environment and Hydrology is currently assigned at the Ministry of Agriculture, Natural Resources and Rural Development of Haiti as an Assistant Director of Water Resources Department. He earned his BSc in Agronomy in (1994-2000) with major in Agricultural Engineering at the Faculty of Agronomy and Veterinary Medicine of the State University of Haiti. From 2001 to 2004, Mr. Thomas achieved specialized studies in Urban Planning and Management at Center Technical, Planning and Applied Economics of Haiti (CTPEA). In 2005-2007, he specialized in Defense Hydrological and Hydraulic of the Territory with the National Hydraulic Institute (INDHRI) of the Dominican Republic and DISTART University of Bologna in Italy. In (2010-2012) earned a master degree (M.A.) in Population and Development at (Facultad Latinoamericana de Ciencias Sociales- FLACSO) in Mexico.

Tiscornia, Guadalupe

National Institute for Agricultural Research, Uruguay

Guadalupe Tiscornia received her B.Sc. degree in Biological Science and her M.Sc. degree in Environmental Science both from the Natural Sciences College of the University of Uruguay. Nowadays, she is a PhD student at the Agronomy College of the University of Uruguay. Since 2011 she has been part of the GRAS Unit (Agro-climate and Information system Unit) team of the National Agricultural Research Institute of Uruguay (INIA). Her research activities at the GRAS Unit were focused on climate and climate change studies and development of information systems for climate risk management in agricultural and livestock production, using models, remote sensing techniques and climate estimation methods.

Trotman, Adrian

Caribbean Institute for Meteorology and Hydrology

Adrian Trotman is the Chief of Applied Meteorology and Climatology at the Caribbean Institute for Meteorology and Hydrology (CIMH), the training, research and development, and data archiving arm of the Caribbean Meteorological Organization (comprising the national Meteorological Services of sixteen Caribbean Member States). Mr. Trotman has responsibility for Climate related issues, applications of meteorology – including the provision of weather and climate information and advice to multiple economic and social sectors, and data management and dissemination. In his technical capacity, he focuses most on the Agriculture and Food Sector, with his specialized training and many years of experience in Agrometeorology – and in this vein managed and builds upon the philosophy of the Caribbean Agrometeorological Initiative that sought to enhance Caribbean farming through the provision of relevant weather and climate information. Driven by his interest in agricultural drought and its impacts, Mr. Trotman established the Caribbean Drought and Precipitation Monitoring Network in 2009. He continues to manage the implementation of other regional projects and programmes that not only build regional capacity and support sustainable development, but which provide the impetus for the CIMH to become a World Meteorological Organization (WMO) Regional Climate Centre. Mr. Trotman supports the work of the WMO, particularly through its Commissions for Agricultural Meteorology and Climatology (CAgM and CCL), being on several of their Expert Teams.

Van Meerbeek, Cédric

Caribbean Institute for Meteorology and Hydrology

Previously a climate researcher at VU University Amsterdam, Dr. Van Meerbeek has been investigating the driving mechanisms of past, present and future climate change. His current

responsibilities as Climatologist at the Caribbean Institute for Meteorology and Hydrology include developing climate services for the Caribbean region, setting up and coordinating academic and applied climate research at CIMH, delivering WMO certified training of professional meteorologists, and lecturing/training under- and post-graduate students in the field of Climatology at the University of the West Indies - Cave Hill campus. He is especially credited for coordinating the Caribbean Regional Climate Outlook Forum (CariCOF), the development of its climate services and its relations with other national, regional and global institutions. His work for CariCOF is setting a standard for SIDS.

Veizaga, Alfredo

Agua Sustentable

Alfredo Ronald Veizaga Medina earned a degree in agricultural engineering at the Universidad Mayor de San Andres (La Paz, Bolivia) and a master's degree in water resources engineering at KU Leuven and VUB (Belgium). He is involved in technical research in AGUA SUSTENTABLE, previously working in the PROINPA Foundation, on a quinoa project of Institut de Recherche pour le Développement, and for the municipality of La Paz. Mr. Veizaga is a professor of applied mathematics, climatology, resistance of abiotic factors at UMSA (Universidad Mayor de San Andres).

Vila, Fernando

Inter-American Institute for Cooperation on Agriculture

Fernando Vila is an agricultural Engineer in the Faculty of Agriculture, University of the Republic of Uruguay, with studies in Economics, Statistical Sampling Techniques, and several courses in risk management and agricultural insurance. In his career he has served as technician of the Ministry of Livestock, Agriculture and Fisheries (MGAP) of Uruguay, and operated independently.

Between 1973-1985, Vila worked in the Department of Agricultural Economic Research (DIEA-MGAP), in the area of statistics and econometric studies. From 2000 until 2006 he was part of the technical staff of the Office of Agricultural Planning and Policy (OPYPA-MGAP) as coordinator of the working group for the development of the System of Agricultural Insurance for Uruguay and national counterpart cooperation projects internationally oriented development of agricultural insurance.

Yusuf-Leon, Farzana

Water Resource Management Agency, Saint Lucia

Farzana Yusuf-Leon is the Water Resource Specialist within the Water Resource Management Agency of the Ministry of Sustainable Development, Energy, Science and Technology, Saint Lucia and has served this role for four years. She previously worked for the Government of Barbados within the Environmental Protection Department. Farzana earned her bachelor's degree in civil and environmental engineering from the St. Augustine Campus of the University of the West Indies and her master's degree in natural resource and environmental management (specializing in water resources management) from the Cave Hill Campus of the University of the West Indies. She is involved in the management of water and climate change projects, and recently completed a joint research project on geophysical exploration for potential groundwater sites within a major watershed in Saint Lucia. She has also completed research in nitrate contamination and efficiency of wastewater treatment plants in nitrate removal.

Zebiak, Steve

The International Research Institute for Climate and Society

Dr. Steve Zebiak is the director of the Climate Services Partnership and a Senior Research Scientist at the IRI. Previously, Zebiak was director-general of the IRI, leading an inter-disciplinary team of more than 40 scientists specializing in climate prediction, agriculture, health, water, economics and development policy. Zebiak has worked in the area of ocean-atmosphere interaction and climate variability since completing his PhD at the Massachusetts Institute of Technology in 1984. He and Mark Cane authored the first dynamical model used to predict El Niño successfully. He has published extensively in journals such as Science, Nature, and the International Journal of Climatology, and has served as an advisor to a range of US and international climate science research programs. He is a Fellow of the American Meteorological Society.