

AIACC Trieste Course Facilitator's biographies

Walter E. Baethgen

Dr. Walter E. Baethgen is a Senior Scientist in the Research and Development Division of IFDC (International Soil Fertility and Agricultural Development Center). He obtained a B.S. degree in Agricultural Engineering from the University of Uruguay and M.S. and Ph.D. degrees in Crop and Soil Environmental Sciences from Virginia Polytechnic Institute and State University in the USA. Since 1990 he has been stationed with IFDC in Montevideo, Uruguay, to establish and coordinate regional research programs in collaboration with National and International Institutes, on the development of Information and Decision Support Systems to define sustainable agricultural production systems, improve decision-making and planning, assess the impact of climate variability and climate change on agricultural sustainability, as well as to measure, monitor and predict the effect of soil and crop management practices on carbon sequestration. Dr Baethgen was a lead author for IPCC's Second (1995) and Third (2001) Assessments Reports, and review editor for IPCC's special issue on Technology Transfer (2000). He has been a member of the advisory committees of the International Research Institute for Climate Prediction (IRI) and of CLIMAG (Research Program for Climate Forecasts Applications in Agriculture, World Meteorological Organization), and he was a steering committee member during the establishment of the Inter-American Institute for Global Change Research (IAI).

Ian Burton

Dr. Ian Burton is Scientist Emeritus with the Adaptation and Impacts Research Group (AIRG) of the Meteorological Service of Canada and an Adjunct Professor with the Institute for Environmental Studies at the University of Toronto. He previously held positions as Director of AIRG and Senior Policy Advisor with Environment Canada. Prior to joining the federal government, Dr. Burton was Director of the International Federation of Institutes for Advanced Study (IFIAS), a non-governmental network of research centres. From 1979-1984 he was Professor and Director of the Institute for Environmental Studies at the University of Toronto. His research interests include risk assessment of environmental hazards, water resources and supply, and environment and development. Dr. Burton has served as senior advisor to the International Development Research Centre (IDRC) (Ottawa) and as a consultant to the United Nations Educational, Scientific, and Cultural Organization (UNESCO), the World Health Organization (WHO), the United Nations Environment Programme (UNEP), the U.S. Agency for International Development (US-AID), and numerous Canadian government agencies and engineering firms. He has worked for the Ford Foundation in India, Sudan, and Nigeria and is a Fellow of the Royal Society of Canada and the World Academy of Arts and Sciences.

Bruna De Marchi

Bruna De Marchi has a background in political science and sociology. Presently she coordinates the Mass Emergencies Programme (PEM) of the Institute of International Sociology in Gorizia (ISIG) and teaches "Environmental Risk" in the University of Trieste. She is also a consultant of many public and private organisations for training and research activities in environmental and health issues. From 1990 to 1993 she worked the EC JRC, Ispra site, in the capacity of seconded national expert. After that period, she has continued to serve as an expert or consultant to the EC in several occasions. Her main research interests are in the sociology of disasters and mass

emergencies, human dimensions of environmental change, risk perception, risk communication, governance and public participation. She has a lot of experience in fieldwork, applying a number of different methods and techniques. She has developed particular expertise in conducting focus groups, also with the aid of ICT (information and communication technology). She has participated in several EC funded SCAs and CAs.

Thomas E. Downing

Dr Thomas E. Downing (PhD Clark University, MA, BA University of Colorado) is Executive Director of the new SEI Oxford Office. Formerly with the Environmental Change Institute in the University of Oxford, Dr Downing is a specialist in climate change, vulnerability and integrated assessment. He was a lead author for the IPCC WGII, contributing to chapters on methods, adaptation and Africa. He was previously science advisor for the UK Climate Impacts Programme and expert advisor to the House of Commons International Development Committee for their enquiry into climate change. His publications include edited books -- *Drought in Kenya; Climate Change and World Food Security; Climate, Change and Risk; and Managing the Earth* – and over 100 articles, chapters and reports.

Timothy J. Downs

Timothy J. Downs, (D.Env. UCLA, 1998) is coordinator and professor of Environmental Science & Policy in Clark University's Department of International Development, Community & Environment (IDCE). He is a specialist in environmental science and engineering, with research interests in natural resource management, risk analysis and management, and integrated capacity building for sustainable development. He applies multi-stakeholder, interdisciplinary approaches across multiple sectors: ecosystem/biodiversity conservation, water supply and sanitation, energy, agriculture and clean production processes. The adaptation of appropriate environmental science/technology/policy tools to developing country contexts is a core strand of this work. Downs has more than 15 years of technical experience designing and managing projects in the UK, the United States and Mexico. Between 1994-2000, he worked in Mexico as a consultant to government agencies, NGOs and community groups on overlapping issues of public health, ecology and water.

Filippo Giorgi

Filippo Giorgi is currently the head of the Physics of Weather and Climate group of the Abdus Salam International Centre for Theoretical Physics, which he joined in May 1998. He obtained a Ph.D. in atmospheric sciences from the Georgia Institute of Technology in June of 1986, and worked as a scientist at the National Center for Atmospheric Research (NCAR) in Boulder, Co, USA, from 1986 to 1998. He co-authored over 80 refereed publications. He pioneered the field of regional climate modeling, for which he has over 10 years of working experience. Other research experience and interests include global climate, mesoscale and aerosol modeling, biosphere-atmosphere and chemistry-climate interactions, climate change and variability (focus on the regional scale.)

Stefano Guerzoni

Stefano Guerzoni has a degree in Biological Sciences from University of Bologna (Dec 1974) and a Ph-D equivalent in applied hydrogeochemistry (March 1979). He is at the Istituto di Biologia del Mare, CNR, Venezia, Italy. He is currently engaged in research

on natural and anthropogenic inputs of trace metals and nutrients to coastal areas, and in finding indicators useful for coastal zone management. Global change aspects related to Saharan dust and aerosols is also one of its main interest. His past research has been mainly dedicated to chemical and sedimentological problems concerning sediment contamination by heavy metals, nutrients, pesticides and PCB's. He has worked in several coastal areas around Italy and off the mouths of principal rivers in projects related to sediment-water exchange processes. Other interests are the geological and geochemical aspects of the biogeochemical cycles of elements in coastal environments, together with the study of the role of desert dust in the heat budget of the air-sea exchanges. Presently coastal zone management (CZM) issues are of prime interest. He has recently organized an international workshop entitled "Earth System Science: a new subject for study (Geophysiology) or a new philosophy?" on complex systems, and edited the book: (S.Guerzoni, S.Harding, T.Lenton & F. Ricci Lucchi, 2001,pp.238)

Saleemul Huq

Dr. Saleemul Huq, is the Director of the Climate Change Programme at the IIED. His long list of accomplishments include founding the Bangladesh Centre for Advanced Studies, the major non-government research and policy institute working on environment and development related issues in Bangladesh. He was also awarded the Robert McNamara Fellowship from the World Bank (1986-87) and Duggan Fellowship (1989) from the Natural Resources Defence Fund (NRDC),USA. Having completed his BSc (Honours) in Botany and PhD in Plant Physiology from Imperial College, London in the seventies, he has been actively involved in developing participatory environmental planning and management methodologies for the last two decades. As one of the leading environmental planners at the national and international level he has worked for numerous international agencies and advised national government planners on global environmental issues. He is an Adviser to UNDP's Capacity 21 Programme where he has helped develop the Agenda 21 Programmes in Mongolia, Bhutan, Gambia and Kazakhstan. He speaks Bengali, Hindi and Urdu and has basic knowledge of French.

Ana Iglesias

Ana Iglesias is a Research Scientist in the Department of Agricultural Economics and Social Sciences and collaborates with the Goddard Institute for Space Studies at Columbia University in New York. Her areas of research are the effects of climate variability and change on agricultural production, management, and water use and the agricultural role in land use/land cover change.

Charles Kelly

Charles Kelly is a freelance consultant with 25 years of experience in disaster management. He has been involved in a number of preparedness, mitigation, planning and relief operations, has worked in positions ranging from emergency food aid monitor to interim NGO Country Director and has published over 25 articles on disaster issues. Mr. Kelly has worked in over 40 countries in Africa, Asia, the Caribbean, and Europe in technological, natural and political disasters. Mr. Kelly is an affiliate of the Benfield Greig Hazard Research Centre, University College London and the Cuny Center. He is currently collaborating with CARE International on the development of a Rapid Environment Impact Assessment process for use in disasters.

Neil Leary

Dr. Neil Leary is the Science Director of AIACC, an international project that supports scientists in 25 developing countries to assess vulnerabilities and adaptations to climate change in their regions. Previously Neil was Head of the Technical Support Unit of Working Group II of the Intergovernmental Panel on Climate Change (IPCC) and coordinated the IPCC's Third Assessment Report on climate change impacts, adaptation, and vulnerability. Prior to working with the IPCC, Neil was an economist in the Office of Policy of the US Environmental Protection Agency, where he worked for six years on a variety of environmental issues, including climate change impacts and greenhouse gas emission control. He was an Assistant Professor at Middlebury College where he taught natural resource and environmental economics and served as Acting Director of the Environmental Studies Program. Neil obtained his Ph.D. in economics from the University of Washington in Seattle in 1988.

Kate Lonsdale

PhD at Sheffield Hallam University, 1994, MSc Manchester University, 1990; BA, Oxford University, 1989 is Researcher Associate at SEI, Oxford. Kate's research currently focuses on stakeholder engagement in adapting to climate change and livelihood security. Previous jobs have included working as a scientific adviser for a group of environmental lawyers in Bangladesh, setting up an environmental resource centre, running a summer programme in Budapest on Environment and Policy for mid-term professionals from Eastern and Central Europe and researching the best way to minimise 'gross solid' pollution from the sewers of Sheffield. Being a true believer of the motto 'think global, act local', Kate is also an active member of the Local Agenda 21 team of Oxford City Council, through which she has been trained in the facilitation and design of inclusive meetings and events. As a result of this training she has helped to organise and run several community participation events including a 2-year 'planning for real' project in North Oxford and a community mapping project to inform the regeneration process in East Oxford. Her next project is a community event to inform the redevelopment of disused community buildings in South Oxford.

Xianfu Lu

Xianfu Lu is a senior research associate at the Tyndall Centre for Climate Change Research, University of East Anglia, UK. Since joining the University, she has been working on a range of projects developing climate scenarios at various scales for impacts and adaptation assessments. Her role within the AIACC Programme is to provide scientific and technical support for all of the regional study teams with regard to the development and application of integrated scenarios in climate change impacts, vulnerability and adaptation assessments. Before her current position, she was a research associate at the United Nations University, Institute of Advanced Studies (IAS/UNU), working on the project: "Sustainable Development Framework for Developing Countries." Through her scientific research, she is exploring the possibilities of future climate scenarios and their potential impacts on socio-economic as well as ecosystem. Xianfu Lu has a Ph.D. in ecology from the Commission for Integrated Survey of Natural Resources at the Chinese Academy of Sciences, Beijing, China (1999). Her doctoral dissertation examined the potential impacts of global climate change on water resources in China.

Jeremy Mennis

Jeremy Mennis earned his Ph.D. from Pennsylvania State University's Geography Department in 2001. His dissertation was "*Cognition and Semantic Database Representation in Geographic Information Systems.*" He is currently Assistant Professor in the Department of Geography at the University of Colorado. His research interests are geographic information science, spatio-temporal databases, geospatial data mining and knowledge discovery, geographic visualization, social and environmental applications of GIS (e.g. environmental justice).

Giuseppe Munda

Giuseppe Munda made his Ph.D. studies with the Free University of Amsterdam, where he got the Ph.D. in Economics and Econometrics (1993). From 1999, he has been associate professor ("*profesor titular*") of Economics of Natural Resources at Universitat Autònoma de Barcelona (UAB). He is member of various international scientific committees. He is also member of the Editorial Board of Population and the Environment and the International Journal of Environment and Pollution. Previously he has worked at the Joint Research Centre of the European Commission (Ispra site) and the University of Catania. From 1994 to 1998, he was assistant professor at the UAB. He has been visiting lecturer at Université Panthéon-Sorbonne (Paris), University of Naples Federico II, Centre d'Economie et d'Ethique pour l'Environnement et le Développement (C3ED) located at the Université de Versailles Saint-Quentin-en-Yvelines, Paris and various universities and research centres in South-America (University of Buenos Aires (Argentina), FLACSO, Quito site (Ecuador), Centre "Bartolomeo Las Casas" (Peru) among others). He has also been a consultant in the field of environmental policy analysis for the European Commission, DG XII, and for the European Environmental Agency. He has participated in various European and national research projects. He has published more than 30 articles and book chapters in International Journals and specialised books. He has also written a book on "Multicriteria evaluation in a fuzzy environment" published by Springer-Verlag. Main research topics are: multicriteria decision theory, sustainable development indicators, ecological and environmental economics, urban economics.

Claudia E. Natenzon

Geographer in 1975 at the Humanities School, Buenos Aires University, Argentina. Doctor in Geography at the University of Seville, Spain, in 2000. With professional and research experience since 1977 in public and private institutions -national and international- in catastrophic floods, risk and vulnerability; and natural protected areas like development factor to the local population. She has been Professor and researcher at the Geography Department of Buenos Aires University since 1986. Research for the Integral Planning and Management Program at FLACSO – Latin America Social Sciences Faculty, Argentina.

Isabelle Niang-Diop

Isabelle Niang-Diop has been a lecturer at the Geology Department of the University of Dakar since 1984. She has been involved in numerous activities related to climate change, specifically related to coastal zone. She is a member of the regional task team for the joint IOC/UN Programme on Ocean Sciences in relation to Non-Living Resources (OSNLR) in the Central and Eastern Atlantic (IOCEA). She is also a member of the UNEP task team on Implications of Climate Changes in the West and Central African Region (WACAF). She is a member of the National IPCC Committee, in charge of coastal zones, Group II, and was a review editor of the Africa chapter of

the Third Assessment Report and of the coastal zone chapter of the IPCC special report on technology transfer. She is a member of the UNFCCC Consultative Group of Experts on National Communications from Parties not included in Annex I to the Convention. She has extensive research and consulting experience.

Anand Patwardhan

Anand Patwardhan has a BTech in Electrical Engineering from IIT-Bombay (1987), a MS in Civil Engineering (Environmental Science) (1991) from Carnegie Mellon University and a PhD in Engineering and Public Policy (1993), also from Carnegie Mellon University. He was a post-doctoral researcher at Carnegie Mellon University from 1993 - 1994 and a Marine Policy and Ocean Management Fellow at the Woods Hole Oceanographic Institution from 1994 - 1995. He has been at IIT-Bombay from 1995, where he is currently an Associate Professor. Anand's research has largely focused on the environment - climate - society interface, where he has worked in areas such as: the analysis of the impacts of climate variability and climate change; assessment of vulnerability and adaptation; industrial ecology, diffusion of cleaner technology and environmental management. He is a member of advisory committees set up by the Planning Commission and the Ministry of Environment and Forests of the Government of India in the area of climate change, and was a lead author for the Third Assessment Report of the IPCC.

Patricia Romero Lankao

Dr. Patricia Romero Lankao is Professor and Head of Research Area Policy and Public Management in the Department of Politic and Culture, Autonomous Metropolitan University (UAM), Xochimilco, Mexico. She obtained her Ph.D. in Agricultural Sciences and Environmental Policy at the University of Bonn, Germany in July 1998 and her Ph.D. in Regional Studies at the Autonomous Metropolitan University (UAM) in November 1997. She completed her M.Sc. in Sociology at Autonomous National University of Mexico (UNAM) in December 1991. In the past few years she has been involved with the Latin American Center of Administration for the Development (CLAD), the International Human Dimensions Programme on Global Environmental Change (IHDP) and associated with the 8th Cohort of the Programme Leadership for Environment and Development (LEAD), Mexican Chapter.

Cynthia Rosenzweig

Dr. Cynthia Rosenzweig is a Research Scientists at the National Aeronautic and Space Administration (NASA) Goddard Institute for Space Studies, where she is the leader of the Climate Impacts Group. Dr. Rosenzweig led the Metropolitan East Coast Region of the U.S. National Assessment of the Potential Consequences of Climate Variability and Change. She is currently leading the NASA EOS/IDS CAFE Project, "Climate Variability, Anthropogenic Forcings, and Agricultural/Marine Ecosystem Interactions," and is a Lead Author of the Intergovernmental Panel on Climate Change Working Group II Third Assessment Report. She is an Adjunct Senior Research Scientists at the Columbia University Earth Institute and an Adjunct Professor at Barnard College. Her research focuses on the impacts of environmental change, including increasing carbon dioxide, global warming and the El Niño-Southern Oscillation, on regional, national, and global scales.

Erika Spanger-Siegfried

In her work as an Associate Scientist with SEI-Boston, Erika Spanger-Siegfried focuses on the intersection of sustainable development and international policy, with special emphasis on the impact of climate change - both as a policy construct and a biophysical driver. Her recent work has included development of climate change adaptation research strategies, research on global public policy networks, close support of Sudan's National Communications preparation, development of climate change training systems for Ukraine, development and coordination of a global civil society visioning process as input to the WSSD, and coordination of the IUCN Commission on Environmental, Economic and Social Policy. Ms Spanger-Siegfried's writing has included, most recently, a conceptual framework for the IUCN Task Force on Climate Change, Adaptation and Vulnerable Communities, guidance to the UNEP Governing Council on how best to engage civil society in its future work, research for UNDP on equity within the Clean Development Mechanism, global public policy network case studies, input to the UN Financing for Development Summit on alternative approaches to development finance, and to the Global Reporting Initiative on engaging the livelihood economy.

Linda Stephen

Linda Stephen has recently been a Research Assistant at the Environmental Change Institute, University of Oxford. She is presently completing a PhD on Famine Early Warning and Information Systems in Ethiopia. Her research interests are to explore and test various methods for vulnerability analyses, with a specific focus on food insecurity. A recent project has been to establish a vulnerability profile of food insecure households and to understand people's adaptation to vulnerability and climate change.

Richard Warrick

Associate Professor Richard Warrick is the Deputy Director of IGCI. He joined IGCI from the Climatic Research Unit, University of East Anglia, UK in 1992. His thematic interests include climate change impacts, sea level rise, natural hazards, and resource management. His recent activities have focused on climate related issues, particularly global climate and sea-level changes, as they pertain to research, training and sustainable development, and on the development of integrated models for assessing the effects of climate change and variability at national and regional scales. He is the leader of the FRST-funded Climacts Programme for New Zealand and, internationally, has led the development of training packages for climate change vulnerability and adaptation assessment. He has been a major contributor to reports of the Intergovernmental Panel on Climate Change and has provided consultation on numerous occasions, including to UNDP, UNDP-GEF, UNEP, World Bank, APN, START, UNITAR, and SPREP.

Gary Yohe

Gary Yohe is the John E. Andrus Professor of Economics at Wesleyan University and a collaborator at the Center for Integrated Study of the Human Dimensions of Global Change at Carnegie Mellon University. His major research foci have lead him to apply the first principles of microeconomic analysis to decision-making under uncertainty and to exploring the tradeoff between mitigating climate change and abating its potential damage. Most recently, Yohe has been concerned with judging the vulnerability of economic, political and social systems to climate change, climate variability, and climate policy when adaptation is included in the calculus of cost accounting. These interests have lead to collaborations on coping capacity indicators with Richard Tol, on

an integrated assessment project for Egypt with Kenneth Strzepek and on visioning knowledge-based global futures with Thomas Malone. All three initiatives look across not-implausible environmental and socioeconomic scenarios for macro-scale and micro-scale adaptations. Yohe served as a lead author for three Chapters of the Working Group II contribution (*Impacts, Adaptation, and Vulnerability*) to the Third Assessment Report (the TAR) of the Intergovernmental Panel on Climate Change (the IPCC): Chapter 2 (Methods and Tools), Chapter 18 (Adaptation to Climate Change in the Context of Sustainable Development and Equity), and Chapter 19 (Synthesis). He also contributed as a lead author for Chapter 1 (Setting the Stage: Climate Change and Sustainable Development) of the contribution of Working Group III (*Mitigation*) to the TAR.

Gina Ziervogel

Gina is completing her Ph.D. in Geography at the University of Oxford, UK. Her thesis focuses on the potential utility of seasonal climate forecasts for vulnerable groups. Her fieldwork was carried out in Lesotho where she worked with small-scale farmers on how they might integrate forecasts into their livelihoods. She plans to expand the research by using forecast applications as a way of looking at medium term adaptation that can help to understand longer-term adaptation to climate change. Gina worked as a junior researcher in South Africa on two water-related projects before coming to Oxford, where she was a research assistant at the School of Geography and the Environment, University of Oxford for a year before starting her Ph.D. She is presently doing work on climate-related vulnerability and adaptation for the Stockholm Environment Institute.

Other Facilitators of Course Whose Biographies are Not Included:

Max Campos
Roger Jones
Kanayathu Koshy
Rodel Lasco
Patrick Mushove
Rolph Payet
Angela Pereira
Robert Willows