

## PROFILES



**ADILSON JOSÉ MOREIRA** (*Mackenzie Presbyterian University*)

Adilson José Moreira holds a doctorate in Comparative Constitutional Law from the University of Harvard (2013), a doctorate in Constitutional Law from Law School at Federal University of Minas Gerais (2007) and a Master of laws from Law School at University of Harvard (2005). He was a visiting researcher at Yale's Law School (2002-2003). Moreira holds a bachelor's degree in Law and Psychology, and develops researches that involve areas as Constitutional Law, Anti-discrimination Law, Compliance and Corporate Governance, Sociology of Law, Law History and Legal Psychology.



**AISHAH BIDIN** (*National University of Malaysia*)

Aishah Bidin is a Professor of Corporate and Insolvency Law at the National University of Malaysia (UKM) and currently Commissioner at the Human Rights Commission of Malaysia (SUHAKAM). She is a former Dean of the Faculty of Law, UKM and a fellow of the Academy of Sciences Malaysia. At present she represents the Human Rights Commission of Malaysia as an observer for the Asia Pacific Representative in the Working Group on Business and Human Rights (UN) in the Global Alliance National Human Rights Institution (GANHRI). Within the context of the Human Rights Commission of Malaysia, Aishah has had numerous roles within the organization including as the Commissioner heading the portfolio of Business and Human Rights, the complaints and monitoring department and heading the women and children issues and SDGs and Human rights. She has been involved in various consultancy projects where she has advised various government agencies in Malaysia relating to law reform and legal policies. Her experiences range from advising formulation of new laws, revising legal and human rights strategies and policy development to program implementation and steer for the implementation of women and child rights and Business Principles within the organization. In addition to managing legal affairs and governance matters, Aishah is also responsible for the office's work programs on the various dimensions of social sustainability, including human rights and labor principles, women's empowerment, business and children, indigenous peoples' rights and human trafficking.



**ALEX EZEH** (*Drexel University*)

Alex Ezeh is Dornsife Professor of Global Health at Drexel University and distinguished fellow of the Center for Global Development. Ezeh led the African Population and Health Research Centre for 17 years as founding executive director. He initiated and directed the Consortium for Advanced Research Training in Africa, an initiative to strengthen doctoral training and the retention of academics at African universities. Alex Ezeh's work focuses on the challenges that come slum growth around the world and the continuing rapid population growth in sub-Saharan Africa. One of his current works examines constraints to institutional growth and models to strengthen knowledge-based institutions in Africa. Ezeh has served on several Lancet Commissions including the Rockefeller Foundation-Lancet Commission on Planetary Health, the

Lancet Commission on the Future of Health in sub-Saharan Africa, and he co-chaired the Guttmacher-Lancet Commission on Sexual and Reproductive Health and Rights. Alex Ezeh received his BSc and MSc degrees in Sociology from Abia State University and University of Ibadan, respectively, and MA and PhD in Demography from the University of Pennsylvania. He holds an honorary Doctor of Science from KCA University and is the recipient of the 2018 TWAS Prize for the Social Science.



**ALEX SHANKLAND** (*Institute of Development Studies*)

Alex Shankland is a Senior Fellow at the Institute of Development Studies (IDS), where he co-convenes the Accountability for Health Equity Programme and Sussex Brazil Group. He has worked for more than two decades on health systems, indigenous peoples, civil society, social movements, accountability, political representation and local governance, particularly in Brazil and Mozambique. Alex has also worked extensively on the roles of Brazil and other rising powers in reshaping international development cooperation. He is currently Principal Investigator of the ESRC/DFID funded project “Voices Desiguais: the Politics of Accountability for Health Equity in Brazil and Mozambique”, which is developing an historically-informed analysis of social, political, market and managerial accountability dynamics in high-inequality urban settings and marginalized rural areas across the two countries. Prior to his appointment as an IDS Fellow in 2010, Alex was Research Manager for the Development Research Centre on Citizenship, Participation and Accountability and Coordinator of the IDS-led consortium working with the Ministry of Health and the World Bank on the redesign of Brazil’s health system for indigenous peoples. Before coming to IDS he worked extensively as a journalist, NGO program manager, independent researcher and social development consultant, mainly in South America and Southern Africa.



**ALLISON LOCONTO** (*Institut National de la Recherche Agronomique*)

Allison Loconto is a Senior Research Scientist in the Interdisciplinary Laboratory Science, Innovation and Society (LISIS) at the French National Institute for Agricultural Research (INRA) and a Visiting Scientist in Sustainable Trade at the Food and Agriculture Organization of the United Nations (FAO). She currently serves as an Executive Committee member of the International Sociological Association (ISA). She was previously a Science, Technology and Society Fellow at Harvard University and President of the ISA’s Research Committee on the Sociology of Agriculture and Food. Her work studies the governance of transitions to sustainable food systems, with a specific focus on sustainability metrics, standards and certification; social and responsible innovations; and alternative value chains. She is the lead author of three recent internationally comparative studies: Participatory Analysis of the Use and Impact of the Fairtrade Premium (FTI, 2019), Constructing Markets for Agroecology (FAO, 2018), and Innovative markets for sustainable agriculture (FAO, 2016). She holds a PhD in sociology from Michigan State University and a MA in International Affairs from American University in Washington, DC.



**ANAMIKA DEY** (*Gujarat Grassroots Innovation Augmentation Network*)

Anamika Dey is a climate resilience researcher and frugal, inclusive innovation scholar. She is the CEO of Gujarat Grassroots Innovations Augmentation Network (GIAN), a Honey Bee Network Institution set up as India’s first rural innovation incubator in 1997. She is the co-director of GIANSTRE, not-for-profit, incubator company of GIAN and associate editor of Honey Bee, the oldest quarterly newsletter on grassroots innovations for the last thirty years, published by SRISTI innovations. She was a member of the steering committee of the Festival of Innovation and Entrepreneurship (2018), organized by the Office of the President of India and the National Innovation Foundation-India. She has worked as an expert in grassroots innovations and entrepreneurship with OXFAM-Bangladesh, and on rural entrepreneurship with UNESCAP and UNESCO (2018-2019). Understanding the innovation and incubation ecosystem from the

perspective of innovators, intermediary organizations and policy makers, she has spent more than 10 years in the Honey Bee Network, an informal network present in more than seventy five countries and composed by individuals, innovators, farmers, scholars, academicians, policy makers, entrepreneurs and non-governmental organizations (NGOs) who believe in giving visibility, voice and velocity to the creativity of grassroots communities. Her research interests include grassroots innovations, innovations for/from grassroots, community creativity and coping with risks at farm level through agro-biodiversity conservation for higher resilience in the wake of climate fluctuations.



**CANISIUS KANANGIRE** (*AMCOW*)

Canisius Kanangire is the Executive Secretary of the African Ministers' Council on Water (AMCOW) since September 2016, where he plays a leadership role in providing political leadership, policy directions and high level advocacy to the Africa's water and sanitation sector. He is the Chief Executive of AMCOW Secretariat. Kanangire served the East African Community as the Executive Secretary of the Lake Victoria Basin Commission (2011-2016); an Inter-Governmental Institution mandated to promote sustainable development and poverty eradication in the Lake Victoria Basin; the Nile Basin Initiative as the Head of Strategic Planning and Management/Deputy Executive Director (2009-2011) and the United Nations Office for Project Services as the Regional Project Manager for the Nile Basin Applied Training Project (2004-2009). He also served as the Scientific Chairman of the Nile Basin Research Program, a post-doctoral research program managed by the University of Bergen, Norway (2006-2010). Kanangire has over 20 years' experience in Academia (1986-2006), ranging from teaching, research, Undergraduate and MSc theses supervision, PhD theses evaluation, managing research Commission, serving as Dean of Faculty, etc. He served in universities in DR. Congo and Rwanda as a full time lecturer, in Belgium as a visiting lecturer, and in Egypt as a theses evaluation panel member. Kanangire published books, chapters in books, and many papers in peer-reviewed journals. He holds an MSc degree and a PhD in Aquatic Sciences from the University of Namur, "Facultes Universitaires Notre-Dame de la Paix, Belgium.



**DAYA REDDY** (*International Science Council*)

Daya Reddy was born in Port Elizabeth, South Africa. After completing bachelor's and doctoral degrees in engineering at the Universities of Cape Town and Cambridge respectively, he pursued postdoctoral study at University College London, then returned to Cape Town, where he currently holds the South African Research Chair in Computational Mechanics. Much of his work is concerned with mathematical analysis and computational simulation in solid and fluid mechanics, and is motivated by applications in areas such as materials science and biomechanics. His many publications include two graduate-level texts and a monograph, now in its second edition, on plasticity theory. Daya Reddy was a founder member in 2003 of the African Institute for Mathematical Sciences (AIMS), a pan-African network with centres for graduate education, research and outreach currently in five African countries. He currently serves as the chair of the AIMS South Africa Council. Daya Reddy is currently President of the International Science Council. He served a term as President of the Academy of Science of South Africa, and also currently serves as co-chair of the Policy arm of the InterAcademy Partnership (IAP). He is a recipient of the Award for Research Distinction of the South African Mathematical Society, the Order of Mapungubwe, awarded by the President of South Africa for distinguished contributions to science, and of the Georg Forster Research Award from the Alexander von Humboldt Foundation in Germany.



**DION JERLING** (*Connect Earth*)

Having graduated in South Africa (Nelson Mandela Metropolitan University, 1986 – previously UPE), Dion Jerling started his career in the UK construction sector where project management skills and experience provided an opportunity to move into the technology and media space in

the mid 1990's, the nascent "dot-com boom" era. This transformational period led him in 2004 to found "Connect Africa", a social enterprise instrumental in extending GSM coverage to rural communities across Africa. Dion's passion for media, technology and Africa has since resulted in twenty-five years' experience connecting the unconnected. This has recently culminating in the co-founding of "Connect Earth", a development driven enterprise that strives to be Africa's leading change agent using Internet access and related technologies to enable economic, social and educational change. With a remit to provide sustainable, safe, secure and high-speed public access to the Internet, Connect Earth sets out to provide a billion young Africans with sustainable access to the learning and information content they will need to turn Africa into the centre for global growth by 2050.



**E. WILLIAM COLGLAZIER** (*American Association for Advancement of Science*)

E. William Colglazier is Editor-in-Chief of Science & Diplomacy and Senior Scholar in the Center for Science Diplomacy at the American Association for Advancement of Science (AAAS). He works there to advance knowledge and practice on science policy and science diplomacy and to support international collaboration and cooperation in science and technology. He served as the fourth Science and Technology Adviser to the Secretary of State from 2011 to 2014. From 1994 to 2011, he served as Executive Officer of the National Academy of Sciences and National Research Council where he helped to oversee the studies that provide independent, objective scientific advice on public policy issues. From January 2016 to January 2018 he co-chaired the 10-Member Group appointed by the UN Secretary General to advise on science, technology, and innovation for achieving the 17 Sustainable Development Goals of the UN 2030 Agenda. He received his Ph.D. in theoretical physics from the California Institute of Technology in 1971, and prior to 1994 worked at the Stanford Linear Accelerator Center, the Institute for Advanced Study in Princeton, the Center for Science and International Affairs at Harvard's Kennedy School of Government, and the University of Tennessee.



**ELISA P. REIS** (*Federal University of Rio de Janeiro*)

Elisa Reis is Vice-President of the International Science Council and former Vice-President of the International Social Science Council. She is Professor of Political Sociology at the Federal University of Rio de Janeiro (UFRJ), and chair of the Interdisciplinary Research Network for the Study of Social Inequality (NIED). She earned a Ph.D. in Political Science from the Massachusetts Institute of Technology, is fellow member of the Brazilian Academy of Sciences and fellow member of the World Academy of Sciences (TWAS). She has received scholarships, among others, from the Brazilian National Research Council (CNPq.), the Research Council of the State of Rio de Janeiro (FAPERJ), the Fulbright Commission, the Italian Consiglio Nazionale delle Ricerche, to carry out research in Brazil and elsewhere, and has a long list of publications in Brazilian and foreign periodicals. She has taught as visiting professor at the University of California at San Diego, Columbia University, MIT, and the Ludwig Maximilians Universitat, Munich. In past years she was Vice-President of the Brazilian Academy of Sciences, Secretary of the Brazilian Sociological Society (SBS), and President of the National Association for the Social Sciences (ANPOCS). In 2017, she received the national prize of the Brazilian Sociological Society for life career achievement.



**INGRID HARVOLD KVANGRAVEN** (*University of York*)

Ingrid Harvold Kvangraven is a Lecturer in International Development at the University of York's Department of Politics and the Interdisciplinary Global Development Centre in the United Kingdom. She holds a PhD in Economics from The New School and a Master's degree in Development Studies from the London School of Economics. Her research is broadly focused on the history of economic thought, macroeconomics, global trade and finance, and the political economy of development, including the role of the Sustainable Development Goals (SDGs) and the International Financial Institutions (IFIs) in development. Her research has been published in

Development and Change, Review of Development Economics, in books, and in popular media. She is also founder and Editor of the blog Developing Economics, Associate Editor of The New Palgrave Dictionary of Economics, member of the Management Committee of the Association for Heterodox Economics, affiliated faculty at the University of Oslo's Centre for Development and the Environment, member of the editorial board of Third World Thematics, member of Reteaching Economics, founding advisory board member of Rethinking Economics – Norway, and co-founder of the new initiative Diversifying and Decolonising Economics (D-Econ).



**ISMAIL SERAGELDIN** (*Library of Alexandria*)

Ismail Serageldin was the Founding Director of the Bibliotheca Alexandrina, the New Library of Alexandria (2001-2017) and is currently the Emeritus Librarian of Alexandria. Before that he was the VP of the World Bank (1993-2000). He graduated for Cairo University and holds a PhD from Harvard University. He has lectured widely, published more than 100 books and 500 articles, and has received many honors and awards and more than 35 honorary doctorates from all over the world. He currently serves on many advisory boards and committees for academic, research, scientific and international institutions and civil society efforts.



**JACQUELINE PITANGUY** (*Cepia*)

Jacqueline Pitanguy is a sociologist and political scientist. She studied at the Université de Louvain (Belgium), at the Catholic University of Chile and at Sao Paulo University. She was a professor of Sociology at the Pontifical Catholic University-Rio de Janeiro, and at Rutgers University (USA). She was a professor and coordinator of the course The Body, Health and Society at the Medical School of the Federal University of Rio de Janeiro, 1996-2006, and is a professor at the Graduate Course Gender and the Law of the Magistrates School of Rio de Janeiro. From 1986 to 1989, Jacqueline was the President of the National Council for Women's Rights (CNDM). In 1990, Jacqueline Pitanguy founded Citizenship Studies Information Action (CEPIA), being its Executive Coordinator. In Brazil, Jacqueline is co-founder and member of the Board of the Commission on Citizenship and Reproduction and a member of the Assembly of Associates of Action Aid/Brazil. Internationally, Jacqueline Pitanguy is a member of the Board of Women Learning Partnership for Peace, Development and Rights and of the Inter-American Dialogue. Jacqueline was awarded with the Medal of Rio Branco, the Degree of Comendador, the Medal of the Merit of Brasília and the title of Honorable Citizen of Rio de Janeiro. She was included on the lists Women Who Deliver 2011 and A Thousand Women for the Nobel Peace Prize, in 2005.



**JOSÉ MARENGO** (*CEMADEN*)

Jose A. Marengo holds a degree in Physics and Meteorology and a Master's in Land and Water Resource Engineering from the national Agrarian University in Lima, Peru, as well as a PhD in Meteorology from the University of Wisconsin - Madison (1991), USA. He did a post-doctorate at NASA-GISS and Columbia University in New York and at the Florida State University, in Florida (USA) in climate modelling. He was senior researcher of the National Institute for Space Research (INPE) between 1995 and 2014. He is member of several United Nations international panels and work groups on global changes in Brazil and abroad. He is a senior member of the Scientific Committee of the Brazilian Panel on Climate Change and IPCC. He is also a member of the Brazilian Academy of Sciences and the São Paulo State Academy of Sciences and a CNPq 1-A researcher. He is currently senior researcher and General Coordinator of Research and Development at CEMADEN (National Centre for Monitoring and Early Warning of Disasters), of the Ministry of Science, Technology and Innovation (MCTI), where he works with extreme events and natural disaster risk reduction. He is author of more than 300 publications from papers to books and book chapters and reports. He is researcher level 1-A of CNPq.



**JULIAN MAY** (*DST-NRF Centre of Excellence in Food Security & UNESCO Chair in African Food Systems*)

Julian May is the Director of the NRF-DST Centre of Excellence in Food Security at the University of the Western Cape, South Africa, the co-Director of the German-South African Centre of Excellence in Development Research, and the UNESCO Chair in African Food Systems. He held the South African Research Chair in Applied Poverty Reduction Assessment. He holds a PhD in Development Studies. He has worked on options for poverty reduction including land reform, social grants, information technology and urban agriculture throughout Africa and in the Indian Ocean Islands, and on the development and use of systems for monitoring the impact of policy using official statistics, impact assessment and action research. His current research focuses on food security, childhood deprivation and malnutrition. He has been an associate researcher at Oxford University, the University of Bergen, the University of Manchester and the IFPRI, and a visiting researcher at the London School of Hygiene and Tropical Medicine, Université de Paris and the University of Cape Town. He is a Member of the Academy of Science in South Africa, chairing the Science for the Reduction of Poverty and Inequality Committee and representing the Academy on the IAP-SPEC. He has served on the Senate Human Subjects Ethics Review Committees of the University of KwaZulu-Natal and the University of the Western Cape. He has consulted for the World Bank, UNECA, IFAD, UNESCO, UNEP, FAO and UNDP.



**LAI-MENG LOOI** (*IAP for Health & University of Malaya*)

Lai-Meng Looi is Malaysia's inaugural National Distinguished Professor, positioned University of Malaya (UM) and also serves as consultant histopathologist at its teaching hospital. She studied medicine at the University of Singapore, trained in Surgical Pathology at UM, Royal Postgraduate Medical School, Brigham and Woman's Hospital, and defended her research doctorate at UM. During her long career at UM, she chaired the Medical Centre Research, Medical Research Ethics / Institutional Review Board, and Hospital Medical Advisory Committees and served on the Malaysian Medical Council. Her research interests are in amyloidosis, nephropathology and oncopathology. Looi is a Foundation Fellow and Academician of the Academy of Sciences Malaysia (ASM) and Council member of the Academy of Medicine Malaysia. She co-chaired the InterAcademy Medical Panel (now InterAcademy Partnership for Health) for two elected terms (2010-2016) and currently represents ASM on its Executive Committee. During her chairmanship, IAP-H extended its initiatives into global health, the social determinants of health, urban health, One Health and young physician leadership capacity-building. Past-President of the World Association of Societies of Pathology and Laboratory Medicine (WASPaLM), she was awarded the WASPaLM Gold-Headed Cane for leadership and capacity-building initiatives in countries-in-need. Her work have been recognized with the National Science Award, ASEAN Outstanding Scientist Award and the Merdeka Award 2016 (Health, Science and Technology category) and Honorary Professor of the Chinese Academy of Medical Sciences-Peking Union Medical College.



**LIU JINLONG** (*Renmin University of China*)

Liu Jinlong is Professor and Director, Center of Forestry, Environmental and Resources Policy Study and Deputy Director of the Research Office, Renmin University of China. He received his Ph.D in Rural Development Sociology (2006) from the Wageningen University, Master's degree in Agroforestry (1990), and B.S. in Forestry Sciences (1987) from Nanjing Forestry University. He was visiting scholar to Guelph University Canada (1999) and senior visiting scholar to University of British Columbia. His research fields include: participatory forest management, environmental policy, nature resource management, and poverty reduction. He has provided consultancy services to World Bank, Asia Development Bank, JBIC, KfW, EU, FAO, CIDA (Canada), DFID, et. al. for the formulation, implementation, monitoring and evaluation of the development projects in China, Thailand, DPRK, Myanmar, and provided policy advisors to EU (FLEGT promotion in Asia), Chinese government (Public participation in land degradation control, National Forestry Programme, forest tenure, and illegal logging control, sustainable forest management,

international forestry issues, and environmental protection), DPRK (REDD+ national Strategy). He is: Advisor of National Community Development Advisory Group of Ministry of Civil Affairs, PRC; Member of Integrated Community Development Advisory Group of Beijing Municipality; Member, Member of National Important Agricultural Heritage Systems, PRC.



**LUIZ DAVIDOVICH** (*Brazilian Academy of Sciences*)

Luiz Davidovich is Professor of Physics at the Federal University of Rio de Janeiro. He got his PhD at the University of Rochester in 1976, and has since worked in quantum optics and quantum information. His major contributions are in the fields of decoherence, entanglement, laser theory and quantum metrology. He has analyzed in detail the role of the environment in the dynamics of quantum coherence and quantum entanglement, and also in quantum metrology, contributing with theoretical developments and proposals for experiments, which have been performed in Europe and by his own group in Brazil. He was awarded the Brazilian Grand-Cross of the National Order of Scientific Merit (2000). He won the 2001 Physics Prize of The World Academy of Sciences (TWAS). He was elected foreign associate to the National Academy of Sciences of the United States of America (2006). He also won, in 2010, the most important prize for science in Brazil, the Admiral Alvaro Alberto prize, awarded by the Brazilian National Research Council. He is fellow of the Optical Society of America and of the American Physical Society. He was member of the Executive Board of the International Council of Science (ICSU - 2011-2014). He is President of the Brazilian Academy of Sciences and Secretary-General of TWAS. He also acted as Secretary-General of the 4th Brazilian National Conference on Science, Technology and Innovation for a Sustainable Development (2010).



**MACIEJ ZALEWSKI** (*UNESCO European Regional Centre for Ecohydrology*)

Maciej Zalewski is Professor of Lodz University, Department of Applied Ecology, and Director of European Regional Centre for Ecohydrology under the auspices of UNESCO. His research interests evolved from fish bioenergetics towards river ecosystems ecology, where he proposed the "Abiotic-Biotic Regulatory Concept". He initiated the development of the Ecohydrology concept under the framework of UNESCO-IHP program and is a respected international expert in this field. As the expert of UNESCO, supported establishment of Centres for Ecohydrology in Portugal, Indonesia, China, Argentina and Ethiopia. Zalewski is a member of environmental scientific committees of the Polish Academy of Sciences, and of the Advisory Board of Ministry of Environment for water resources management. He served, among others, as national representative for Polish government in the OECD Export Credits and Environment treaty negotiations, as member of the Scientific Council of Regional Office for Science and Technology for Europe (ROSTE), chairman of the Workings Groups "Fish and Land/Inland Water Ecotones" of UNESCO MAB and "Physical Habitat Modification and Freshwater Fisheries" of FAO EIFAC, member of the Council of the National Centre for Research and Development Poland, representative of Poland EU Joint Programming Initiative (JPI Water), ESFRI ENV TWG. Member of Steering Committee EcoSummit 2012, 2016, Chairman of Drafting Committee Columbus Declaration EcoSummit 2012, representative of Poland in Thematic Process for 7th WWF, chairman of the Steering Committee of UNESCO-IHP (International Hydrological Programme) "Ecohydrology" Programme.



**MARCELO CARVALHO DE ANDRADE** (*Pró-Natura International*)

Marcelo Carvalho de Andrade is co-founder of Earth Capital Partners, a private equity investor with a specialized focus on sustainability finance. He is founder of Pró-Natura International, one of the first international Sustainable Economy Development Agencies in the world, which was originally established in Brazil and has been historically active in 61 countries. Marcelo Carvalho de Andrade also co-founded: Terra Capital Fund (the first venture capital fund dedicated to investing exclusively in private-sector biodiversity businesses); Axial Bank/Axial Par (the first financial institution in South America dedicated to promoting investments in the sustainable

development sector); Eco Carbon (the first company to specialize in engineering aspects of forestry and agricultural carbon sinks); the Pioneer Society (a communications group dedicated to innovative promotion of the successes of sustainable development); and The Social Capital Group. He remains active in mountaineering and rowing, following his eight-year membership of Brazil's Olympic rowing team. Marcelo Carvalho de Andrade organized and led 29 major expeditions over the past 35 years. Member of the BHP Billiton Forum for Corporate Responsibility; DuPont's World Wide Biotech Panel; Procter & Gamble Sustainability Council; and Thought Leader Bloomberg New Energy Finance.



**MARIA EMMA SANTOS** (*IIESS-UNS-CONICET & Oxford Poverty and Human Development Initiative*)

Maria Emma Santos is Assistant Professor at the Department of Economics, Universidad Nacional del Sur (UNS) and Researcher of Instituto de Investigaciones Economicas y Sociales del Sur (IIESS), UNS-CONICET, Bahia Blanca, Argentina. She is also a Research Associate to the Oxford Poverty & Human Development Initiative (OPHI), University of Oxford, UK. Her research interests are the measurement and analysis of multidimensional poverty. Together with Sabina Alkire, and in collaboration with UNDP, she developed the Multidimensional Poverty Index which has been published in the Human Development Report since 2010.



**MAURÍCIO LOPES** (*Embrapa*)

Maurício Lopes is a Visiting Scholar at the International Institute for Applied Systems Analysis (Austria). A plant geneticist by training, he received his BSc degree in Agronomy (1983) from the Federal University of Viçosa (Brazil); MSc degree in Plant Genetics (1989) from Purdue University (USA); and PhD in Molecular Genetics (1993) from the University of Arizona (USA). Since 1986, he has been a member of the scientific team of the Brazilian Agricultural Research Organization (Embrapa), working as maize breeder (1986-1995), R&D manager of different centers and units (1995-2003), Executive Director of R&D (2011- 2012) and President (2012-2018). He also accumulated international experience working in the USA, Italy, Austria, and South Korea. His major scientific contributions include the development and release of improved maize varieties and germplasm, capacity building activities, research papers and book chapters. His expertise in organizational management range from planning and improving operational strategies to strategic intelligence to improve research, development and innovation agendas. He is also actively engaged in science communication. Main awards received: Distinguished Agriculture Alumni Award from Purdue University (2014), Ordre du Mérite Agricole conferred by the French Republic (2014), Medal of the Rio Branco Order (2017), title of "Doctor of Agriculture Honoris Causa" by Purdue University (2018), and the Medal of Merit of the Federation of Agriculture of Minas Gerais State (2018). In 2015, he was elected member of the Brazilian Academy of Agriculture.



**MOHAMED H. A. HASSAN** (*TWAS*)

Mohamed H. A. Hassan is President of The World Academy of Sciences (TWAS); President of the Sudanese National Academy of Sciences (SNAS); Chairman of the Governing Council of the United Nations Technology Bank for the Least Developed Countries; and Chairman of the International Advisory Board of the Centre for International Development (ZEF). He also serves on a number of Boards of international organizations worldwide, as the Grand Challenges Canada; the Bibliotheca Alexandrina; the STS Forum; and the WSF. He was President of the IAP, the AAS, and the NASAC; founding Executive Director of TWAS; Chairman of the Council of the United Nations University and the Honorary Presidential Advisory Council for Science and Technology, Nigeria. After obtaining his DPhil in Mathematics from the University of Oxford, he returned to Sudan as Lecturer in the University of Khartoum, and later became Professor and Dean of the School of Mathematical Sciences. He has a long list of publications in Theoretical Plasma Physics and Fusion Energy; Wind Erosion, Dust and Sand Transport in Dry Lands. He also

published several articles on STI in the Developing World. Among his honours: Comendator, Grand Cross, and National Order of Scientific Merit, Brazil; and Officer, Order of Merit of the Italian Republic. He is a recipient of the G77 Leadership Award and the Abdus Salam Medal for Science and Technology. He is a member of several merit-based academies of science around the world.



**NOVA AHMED** (*North South University*)

Nova Ahmed is a Computer Scientist from Bangladesh. She works with systems, human and the work that lies in between to connect human with computing. She has finished her PhD from Georgia Institute of Technology, USA and came back to Bangladesh to serve her country. She tries to develop solutions to problems of Bangladesh that require very special attention (e.g., low cost, socially acceptable etc.).



**PAULO BUSS** (*Oswaldo Cruz Foundation*)

Paulo M. Buss, MD, MPH is the Director of the Center for Global Health at The Oswaldo Cruz Foundation (FIOCRUZ), Brazil, since 2009. He is Full Professor at the National School of Public Health (ENSP) at FIOCRUZ and Full Member of the Brazilian National Academy of Medicine, since 2005. Buss is an Honorary Member of the Portuguese and Argentinian Academies of Medicine. He is former President of FIOCRUZ (2001-2008) and former Director of ENSP. He has previously represented Brazil in the World Health Organization's Executive Council (2004-2007 and 2008-2011). He was member of the Executive Board of the International Association of National Institutes of Public Health (IANPHI) (2006-2009) and President of the World Federation of Public Health Associations (WFPHA) (2008-2010). He was a founder and the first Executive Director of the Brazilian Association for Collective Health (ABRASCO). From March 2006 to March 2008 he served as Chair of the Brazilian Commission on Social Determinants of Health and was the coordinator of the World Conference on Social Determinants of Health held in Brazil in 2011. Currently he is member of the PAHO Commission for Health Equity and Inequalities in the Americas. He is author of the book "Health diplomacy and global health: Latin-American Perspectives" (2017) and more than 180 papers and 60 book chapters.



**PETER FRITZ** (*Helmholtz Centre for Environmental Research*)

Peter Fritz is the Scientific Director of the Centre for Environmental Research-UFZ, Leipzig (Germany). He studied Geology at the TH-Stuttgart and Isotope Geochemistry at the University of Pisa (Italy). Postdoctoral fellowship at the Sorbonne in Paris (1965-1966) and the University of Alberta, Edmonton, Canada (1966-1971). Research and teaching focused on isotope hydrology, paleoclimatology, and methods for dating of groundwater. From 1971 to 1987 at the University of Waterloo (Canada) as Associate/Full Professor and Department Chairman. In 1987, he received an invitation from the Society of Radiation Protection (GSF) to become director for the Institute of Hydrology (1987-92). In 1991, the German Government (BMFT) offered Founding and Scientific Directorship and CEO of the newly to be established Centre for Environmental Research-UFZ. Honorary Professor at the University of Leipzig. Fellow of the Royal Society of Canada, the German National Academy of Sciences-Leopoldina and the Polish Academy Sciences. Since 2002, Fritz is a member and, since 2008, the Chairman of the Scientific Advisory board of the Zuckerberg Institute for Water Research at Ben Gurion University in Israel. Between 2011 and 2016, he was a member of the Scientific Advisory Board for Nuclear Applications (SAGNA) of the IAEA in Vienna.



**RASHID BAJWA** (*National Rural Support Program - Pakistan*)

Rashid Bajwa is the CEO of the National Rural Support Program (NRSP) - Pakistan's largest not for profit working with small landholders and landless farmers to increase yields and quality of their product. Bajwa has initiated a concept of "back to back" value chains in Agriculture

commodities for small farmers, in which those with up to two acres of land have always been at the receiving end of the market forces. Under his leadership, NRSP has developed a “market place” concept for the small farmers that provide all inputs including farm credit, seed, and extension and TA services to small farmers under one roof. A separate entity, NRSP Agriculture Processing Company (NRSP APC) is providing equity in creating multiple market places and sell products for international buyers. A percentage of income is going back to the participating farmers and their children are being given preference for jobs created in the market place. Bajwa has also successfully transformed part of the NRSP MFI portfolio to a regulated entity known as NRSP MF Bank Ltd. He has been the Chairman of Pakistan Micro Finance Network (PMN) and is currently honorary Chair of PMN’s policy committee. Rashid Bajwa is an ex member of the civil service of Pakistan and brings experience of policy planning, implementation and networking. He holds an MPH from the University of Leeds (UK).



**RATEMO MICHIEKA** (*Kenya National Academy of Sciences*)

Ratemo W. Michieka is a Professor of the University of Nairobi and a Fellow and the Honorary Secretary, Kenya National Academy of Sciences (KNAS). Michieka, the Founding Vice Chancellor of Jomo Kenyatta University of Agriculture and Technology (JKUAT), has held several prominent positions in Kenya and East Africa including: Chairman of Kenya Agricultural Research Institute, Inter-University Council of East Africa, Kenya Educational Network, Kenya Universities Students Admission Board, Africa Centre for Technology Studies, Kenyatta University Council. He was also the Director General; National Environment Management Authority, Kenya. Ratemo Michieka is the current Chairman of the African Scientific Research and Innovation Council (ASRIC), a scientific outfit under the auspices of African Union (AU). Michieka has previously served in a number of International Communities on Climate Change and Education. Poverty reduction through innovations features very prominently in ASRIC’s mandate. Ratemo Michieka has published papers on both International and National journals and has also written books in his area of specialization. He is a well-known Scholar in the East African Community in Academic Circles.



**RATNA GHOSH** (*McGill University*)

Ratna Ghosh is Distinguished James McGill Professor and William C. Macdonald Professor of Education at McGill University where she was Dean of Education. She was elected to Canada’s National Academy as a Fellow of the Royal Society of Canada, F.R.S.C. (1999). She is also a Fellow of TWAS, The World Academy of Sciences - for the advancement of science in developing countries (2012), and a Full Member of the European Academy of Arts, Letters and Sciences (1999). Decorated as a Member of the Order of Canada (CM), she is also Officier, L’ Ordre national du Québec (OQ) and Officer of the Order of Montreal. Her books, chapters in books and journal articles, and her prestigious grants and teaching, reflect her varied research interests in comparative and international development education: especially women, education and development, as well as education and social justice issues. She has received awards from national and international organizations. She has held important leadership positions which include President of the Comparative and International Education Society of the US, and President of the Shastri Indo-Canadian Institute. She sits on the editorial board of several international journals. She was featured in Time Magazine, Canadian Edition, October 13, 2003, in an article on “Canada’s Best in Education”.



**RICARDO PAES DE BARROS** (*Instituto Ayrton Senna & INSPER*)

Ricardo Paes de Barros is Chief economist at Ayrton Senna Institute, Professor of the Instituto Ayrton Senna Chair at Inesper and director of the Science for Education Center of the Center for Public Policy. He holds a bachelor’s degree in Electronic Engineering from the Technological

Institute of Aeronautics (ITA), a master's degree in Statistics from the National Institute for Pure and Applied Mathematics (IMPA) and a doctorate in Economics from the University of Chicago. He holds postdoctorates from the Economics Research Center at the University of Chicago and from the Economic Growth Center at Yale University. His fields of interest are social inequality, education, poverty, and labor market. He was a visiting professor at Yale University (1990-1996), director of the Social Studies Board of the Institute for Economics and Applied Research (IPEA – 1999-2002), and deputy secretary of strategic actions at the Strategic Affairs Department of the Office of the President of the Republic (2011-2015). He published various papers and books and received important awards in recognition of his work, as the Haralambos Simeonidis Award (1995 and 2000) and the Mario Henrique Simonsen Award (2000). Ricardo was honored as a recipient of the National Order of Scientific Merit (2005), elected a sitting member of the Brazilian Academy of Sciences (2010) and was the first to receive the Celso Furtado Award in Social Studies (2012) from The World Academy of Sciences (TWAS).



**RODRIGO BAGGIO** (*Recode/CDI International*)

Social Entrepreneur, Rodrigo Baggio is the president and founder of Recode/ CDI International, a global NGO with presence in 7 countries and 689 centers of digital empowerment. Since 1995, the nonprofit's aim is to transform communities by increasing access to computers and education in citizenship and entrepreneurship. Its mission is to digitally empower individuals worldwide, especially youth in social vulnerability, through innovative courses and a unique methodology that stimulates changemakers, civil and entrepreneurial action. He is also the CEO and co-founder of Tendrel <http://www.tendrel.org>, a global professional association of leading social entrepreneurs headquartered in San Francisco, California, with more than 200 members from 34 countries. Due to his work, Rodrigo has been recognized with more than 60 awards from organizations such as UNICEF, UNESCO, Time, Fortune, CNN and the World Economic Forum. He is also a fellow of the four leading organizations that support social entrepreneurs: Ashoka, Skoll, Schwab and Avina.



**ROMULO DANTE ORRICO FILHO** (*Federal University of Rio de Janeiro*)

Full Professor of the Transport Engineering Program at The Alberto Luiz Coimbra Institute for Graduate Studies and Research in Engineering (COPPE) at Federal University of Rio de Janeiro (UFRJ).

He has a background in civil engineering, with MSc on Production Engineering and PhD degree on urban development planning at the Institut d'Urbanisme de Paris.

Since 1979 he is member of the Transport Program at Coppe/UFRJ. Orrico's principal research interests are in the field of urban mobility, mainly in the planning, economy and design of public transport network in a metropolitan environment integrated with land use and social development strategic planning.

Besides his activities at the Graduate Courses, Orrico was the Representative of the Transport Engineering at the CNPq Advisory Committee, between 2013 and 2016. Since 2018, he is a full member of the Brazilian Technical and Scientific Council of Higher Education. He was Secretary of State for Administration of the State of Rio de Janeiro (2002) and Deputy Municipal Secretary of Transportation of Rio de Janeiro (2009-2011). Among other responsibilities was the conception of BRS implementation in the city of Rio, And the reorganization of complementary transport systems.



**SARAH COOK** (*University of New South Wales*)

Sarah Cook recently joined the University of New South Wales (UNSW) as inaugural Director of its Institute for Global Development. She has spent the past decade in research leadership positions within the United Nations, most recently as the Director of UNICEF's Office of Research/Innocenti Research Centre, where research included areas of social and economic policies affecting children, child rights and protection. Prior to that she was Director of the United Nations' Research Institute for Social Development (UNRISD) leading programs on social and economic policy, gender, governance and sustainable development. Her own research has focused on China's economic and social reforms. After obtaining her PhD from Harvard University, she held an academic position at the Institute of Development Studies, UK, and from 2000-2005 led the Public Policy and Governance program for the Ford Foundation in Beijing.



**TOLU ONI** (*University of Cambridge*)

Tolu Oni is a Public Health Physician Scientist and urban epidemiologist, a Clinical Senior Research fellow with the MRC Epidemiology Unit's Global Public Health Research programme at the University of Cambridge, and an Honorary Associate Professor at the School of Public Health and Family Medicine, University of Cape Town. She completed her medical training at University College London, postgraduate medical training in the UK and Australia, a Master's in Public Health (Epidemiology) at the University of Cape Town, and her research doctorate in Clinical Epidemiology at Imperial College London. As an Associate Professor at the University of Cape Town, where she established a Research Initiative for Cities Health and Equity (RICHE), conducting transdisciplinary urban health research focused on generating evidence to support development and implementation of healthy public policies in rapidly growing cities, with a focus on Africa. Research activities include Systems for Health projects; and Health Systems projects. She serves on several advisory boards including Future Earth and the African Academy of Science Open Research Platform; and is an editorial board member of Lancet Planetary Health, Cities and Health, and the Journal of Urban Health. Profiled in the Lancet journal in 2016, she is a Fellow of the African Academy of Sciences, a 2015 Next Einstein Forum Fellow, a Fellow of the Stellenbosch Institute for Advanced Study, and co-Chair of the Global Young Academy.



**TOSHIO KOIKE** (*International Centre for Water Hazard and Risk Management*)

Toshio Koike is Executive Director of International Centre for Water Hazard and Risk Management (ICHARM) under the auspices of UNESCO, Professor Emeritus of the University of Tokyo, and Council Member of Japan Science Council, Cabinet Office. He received the Bachelor (1980), Master (1982), and Doctor (1985) of Engineering from the University of Tokyo. He was at the University of Tokyo, as a research associate in 1985 and a lecturer (1986-1987), and at the Nagaoka University of Technology, as an associate professor (1988-1999) and a professor in 1999. In 1999, he joined the Department of Civil Engineering, the University of Tokyo, where he held the position of Professor until 2017. His research interest includes the water cycle and climate sciences and their applications to water-related disaster reduction. Aside from his scientific contributions, he has been leading the international water cycle science projects and the inter-governmental science and technology cooperation. Some of the prominent awards he has won recently include the following: "Award for Contribution to the IPCC NOBEL Peace Prize" from WMO and UNEP" (2008), "Einstein Lecturer Award" (2009) from Chinese Academy of Sciences, China, "Japan Water Award -International Contribution" (2010), "Science Award" from the Japan Society of Hydrology and Water Resources (2015), and "Award for International Scientific Cooperation" from the Chinese Academy of Sciences (2019).



**VIDYA DIWAKAR** (*Overseas Development Institute*)

Vidya Diwakar is a Senior Research Officer in the Chronic Poverty Advisory Network hosted at the Overseas Development Institute in London. She is a mixed-methods researcher specializing in household-level poverty dynamics, conflict, and gender. Her work focuses predominantly on the role of state fragility and armed conflict in sustaining poverty traps, and gendered human capital development as a means of long-term poverty reduction. Vidya has authored various journal articles, book chapters, and reports for international organizations and national aid agencies. She has led policy-oriented research projects on poverty dynamics in South Asia, South East Asia, sub-Saharan Africa, and the Middle East North Africa region. She is currently managing a mixed-methods, multi-country study to investigate the drivers of sustained escapes from poverty in different contexts. Vidya holds a BA in Economics and a BA in International Studies from the American University of Sharjah, an MPhil in Economics from the University of Cambridge, and is undertaking a part-time PhD in Education at the University of Cambridge.



**VOLKER TER MEULEN** (*InterAcademy Partnership*)

Volker ter Meulen qualified as MD in 1960 and received a training in virology in the USA. He specialized in pediatrics and in clinical virology. In 1975 he became a full professor and Chairman of the Institute of Virology and Immunobiology at the University of Wuerzburg. He retired in 2002, having twice been elected Dean of the Faculty of Medicine of Wuerzburg University. During his research career, ter Meulen worked on molecular and pathogenic aspects of viral infections in man and animals, in particular on infections of the central nervous system. Ter Meulen has on numerous occasions been invited to give policy advice on research matters to German research organizations and to state and federal ministries of science in Germany. Internationally, ter Meulen has served on a number of committees of organizations and scientific societies in the area of virology and infectious diseases. From 2003-2010, ter Meulen was President of the German Academy of Sciences Leopoldina. From 2007-2010, he was President of the European Academies Science Advisory Council (EASAC). 2013 he was elected co-chair of the InterAcademy Partnership (IAP), since 2017 ter Meulen is President of the IAP.



**WANG YI** (*Chinese Academy of Sciences Institutes of Science and Development*)

Wang Yi is now Vice President of the Institutes of Science and Development (ISD) of the Chinese Academy of Sciences (CAS) and member of Standing Committee of the 13th National People's Congress (NPC) of China. Prior to current position, Wang was Professor and then Director-General of CAS Institute of Policy and Management (2005-2015). Before 2005, he was a Professor of Public Policy at the CAS Research Center for Eco-Environmental Sciences (1987-2004). Wang Yi has over 30 years of experience on the public policy and strategic study of sustainable development. His main expertise is in the fields of institutional arrangements of ecological civilization, green transition and development strategy, energy and climate change policy, integrated river basin management, and comprehensive planning for resource, environment and development. His research has contributed to many of China's current policies and institutional arrangements for environmental protection, ecological civilization institutional reform, green and low-carbon transition. He is the recipient of several ministerial-level awards, the special government allowance, and the Chinese Youth Science and Technology Award. Major publications include the annual CSDR, Towards a Sustainable Asia, and the China Study Report series. Wang holds a Bachelor Degree in Environmental Engineering from Tsinghua University and a Ph.D. in ecology from the University of the Chinese Academy of Science (UCAS).



### **YOUSUF MAUDARBOCUS** (*Network of African Science Academies*)

After obtaining his B.Sc. (Hons), DIC, M.Sc. and Ph.D. in Physics at the Imperial College of Science & Technology, University of London, and a spell on the academic staff of that prestigious institution, Yousuf Maudarboocus joined the University of Mauritius (1974) and was instrumental in setting up the largest low- frequency radio telescope in the Southern Hemisphere, jointly with the Raman Research Institute and the Indian Institute of Astrophysics. Maudarboocus left the University of Mauritius (1988) to join the ARCT, a joint UNECA/AU regional organization based in Dakar, Senegal, as Director of Education and Training. After two years, he moved to the International Atomic Energy Agency (IAEA) in Vienna, Austria, as a Regional Programme Coordinator for the Africa region, until his retirement in 2002. When the IAEA won the Nobel Peace Prize in 2005, he received a Letter of Appreciation from the Nobel Committee for his contribution. Upon his return to Mauritius, he was instrumental in setting up the first interactive science museum in Mauritius as the first Chairman of the Rajiv Gandhi Science Centre (2002-2004). He was a member of Council and Chairman of Staff Committee of the University of Mauritius (2005-2012) and President of the Mauritius Academy of Science and Technology (MAST) from 2012 to 2015. He is currently Chairman of the Radiation Protection Council, and Vice-President of the Network of African Science Academies (NASAC).

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