



THE Commission ON Sustainable Agriculture AND Climate Change

The Commissioners

The Commissioners have been chosen as eminent scientists with international reputations, who have a good understanding of policy processes at the national, regional and global level. The Commissioners represent all major regions of the world and have a wide range of scientific backgrounds in agriculture, climate, ecology, economics, trade and nutrition/health. The Chair and Commissioners are honorary positions.

Professor Sir John Beddington CMG FRS

United Kingdom (Chair)

Sir John Beddington was appointed as the UK Government Chief Scientific Adviser (GCSA) on 1 January 2008. Since being in post, he has led on providing scientific advice to Government during the 2009 swine flu outbreak and the 2010 volcanic ash incident. Throughout 2008 and 2009 Sir John raised the concept of the “Perfect Storm” of food, energy and water security in the context of climate change, as a priority in the UK and internationally.



Prior to his appointment as GCSA, he was Professor of Applied Population Biology and headed the main departments of environmental science and technology at Imperial College. His main research interests are the application of biological and economic analysis to problems of Natural Resource Management.

Sir John has previously been advisor to a number of UK Government departments including the Foreign and Commonwealth Office, the Department for Environment, Food and Rural Affairs, the Ministry of Defence and the Cabinet Office. He has also advised several Governments and international bodies such as the European Commission and the Food UN Food and Agriculture Organisation.

He was awarded a knighthood in the Queen’s Birthday Honours in June 2010.

Dr. Mohammed Asaduzzaman

Research Director, Bangladesh Institute of Development Studies,
Bangladesh (Deputy Chair)

www.bids.org.bd



Dr. Asaduzzaman is Research Director in the Bangladesh Institute of Development Studies (BIDS). His past work includes research on technological change in agriculture; institutional and management issues in rural infrastructure development; coastal environmental management; and agriculture, trade and globalisation. Recent work includes the investment opportunities in agriculture for ensuring food security and a transition to a post-green revolution world; and the challenges of climate change and rural energy development in Bangladesh. He is currently studying the carbon footprints in Bangladesh agriculture, and also gender-differentials on response to and coping strategies against climate change impacts.

Dr. Asaduzzaman is closely involved with the Bangladesh Government's climate change management initiatives, and is one of the lead members on behalf of the Bangladesh Government in climate change talks. He is one of the major contributors to the Bangladesh Climate Change Strategy and Action Plan (2009), the Government's basic blueprint for climate-smart development.

Dr. Asaduzzaman was a lead author for the IPCC Second Assessment Report. He was also a past chairman of the Consultative Group of Experts for National Communications from Non-Annex 1 countries under the SBI of the UNFCCC.

Dr. Asaduzzaman holds a PhD in Economics from the University of Sussex.

Dr. Adrian Fernández

Advisor on Sustainability, Metropolitan University, Mexico

www.uam.mx



Dr. Fernández is the Advisor on Sustainability to the Dean of the Metropolitan University in Mexico City and Senior External Consultant for the Latin American Initiative of the ClimateWorks Foundation. Between 1995 – 2005, Dr. Fernández occupied different positions as Director General at the National Environment Institute or INE (an Agency within the Environment Secretariat in Mexico), and from March 2005 to February 2011 he served as President of INE. Under his leadership, INE became the leading advisory institution on environmental matters for the Ministry for the Environment, both houses of Congress as well as for the Office of the President of Mexico.

During this time, he served as member of the Bureau representing Latin America at the UN Commission for Sustainable Development and for nearly a decade he represented Mexico at the OECD's Environmental Performance of Countries work-group. Since 2001, he has been an active member of the Climate Change Expert Group of the OECD, the Mexican Focal Point for the Intergovernmental Panel on Climate Change (IPCC), President of the Executive Council for the Inter-American Institute for Global Change Research (IAI) as well as a senior member of the Mexican Delegation attending Conferences of the Parties of the UN Framework Convention on Climate Change.

Dr. Fernández has a PhD in Environmental Science from the Imperial College of Science, Technology and Medicine in London.

Dr. Megan Clark, PhD, BSc, FTSE, GAICD

Chief Executive Officer, Commonwealth Scientific and Industrial Research Organisation (CSIRO), Australia

www.csiro.au



Dr. Megan Clark is a member of the Prime Minister's Science, Engineering and Innovation Council, Automotive Industry Innovation Council and National Research Innovation Council in Australia. She began her career as a mine geologist and subsequently worked in mineral exploration, mine geology, research and development management, venture capital and technical strategy areas with Western Mining Corporation for fifteen years.

More recently she was Vice President Technology and prior to that Vice President, Health, Safety, Environment, Community and Sustainability with BHP Billiton. Dr. Clark served on the Expert Panel for the Review of the National Innovation System.

Dr. Clark was elected Fellow of the Australian Academy of Technology Science and Engineering in 2006 and was awarded an Honorary Doctor of Science Degree by the University of Western Australia (2006) and a Doctor of Applied Science Honoris Causa by the Royal Melbourne Institute of Technology University (2010). Dr. Clark has a PhD in Economic Geology from Queen's University (Canada).

Dr. Marion Guillou

President, Institut Scientifique de Recherche Agronomique (INRA),
France

www.international.inra.fr



Marion Guillou has been President (CEO) of France's Institut National de la Recherche Agronomique (INRA) since 2004. She was previously the Director General of INRA from 2000.

As President of INRA, Dr. Guillou has dedicated herself to developing cooperation programmes between European and international research institutes for agriculture, food security and the environment. She is also the President of Agreenium, the French consortium for research and education in agriculture, food and nutrition, animal health and the environment. Marion Guillou is a member of the boards of the International Research Centre for Tropical agriculture (CIRAD), the European Food Safety Authority and chairs the Board of École Polytechnique (Paris).

From 1996-2000, Dr. Guillou served as General Director for Food at the French Ministry of Agriculture, where she participated actively in European work on food regulation and in the Codex Alimentarius working sessions.

Marion Guillou is a member of the French Academy of Agriculture and the National Academy of Technology; she qualified as a doctor in physical chemistry, is an engineer of water and forestry and has a diploma from the France's École Polytechnique.

Professor Molly Jahn

Special Advisor to the Chancellor and Provost for Sustainability
Sciences University of Madison-Wisconsin, USA

www.wisc.edu



Professor Molly Jahn has had a distinguished research career in plant genetics, genomics and plant breeding of vegetable crops focusing on molecular genetics of disease resistance and quality traits. Her research groups at UW Madison and Cornell University have produced crop varieties now grown commercially on six continents under approximately 60 active licenses. She has also worked extensively in developing countries to link crop breeding with improved human nutrition and welfare using innovative approaches to inter-sector partnerships, engagement with emerging institutions, and integrated projects focused on impact and technology transfer.

Dr. Jahn has numerous publications, lectureships, and awards for her research, teaching, service and extension. She has served on boards and advisory groups including The AVRDC World Vegetable Center and World Dairy Expo, and founded and directed the Public Seed Initiative and the Organic Seed Partnership. She was named an American Association for the Advancement of Science Fellow in 2006. In 2009-10, she was called to Washington to provide interim leadership as Deputy Under Secretary and Acting Undersecretary for Research, Education and Economics at the U.S. Department of Agriculture.

Dr. Jahn holds graduate degrees from MIT and Cornell University.

Professor Lin Erda

Professor, Chief Scientist Agro-Environment and Sustainable Development Institute Chinese Academy of Agricultural Sciences

www.caas.net.cn/engforcaas/index.htm



From 1988 to 2003, Prof Lin served as Deputy Director General and Director-General of the Agro-Environment and Sustainable Development Institute, Chinese Academy of Agricultural Sciences. He is also a member of standing committee of the China Economic and Social Council and a member of the China National Expert Committee for Climate Change. His current research focus is on climate change including impacts, vulnerability and GHG emission mitigation, especially for agriculture. He is a project leader of UK/China cooperation on climate change and agriculture. He is lead author of the National Report on Climate Change Impact and Adaptation, the Intergovernmental Panel on Climate Change (IPCC) 1-5 assessment reports and ten other IPCC reports. He has also written National policy reports, and published eight scientific books and 82 journal articles.

Professor Lin has degrees in Applied Meteorology, and has been honoured with three national scientific and technological progress awards in China.

Professor Tekalign Mamo

State Minister and Minister's Advisor, Ministry of Agriculture, Ethiopia



As the Minister's Advisor (with the rank of State Minister) in the Ethiopian Ministry of Agriculture, Professor Mamo advises on sustainable natural resource management systems and key soil productivity and environment-related issues. Prior to his current assignment, he served as Advisor to the Deputy Prime Minister (with the rank of State Minister) for five years; State Minister of Ministry of Agriculture and Rural Development for nearly two years; and as Vice President of Haramaya University. He has focused on key research and development issues such as community based participatory watershed management; improved Vertisol

management; acid soil management; and sustainable cropping systems, all of which are currently integral components of the national agricultural extension program.

At Haramaya University, Professor Mamo worked as Professor of soil science and natural resources, and conducted research on sustainable land management, soil fertility and plant nutrition. He founded the Ethiopian Journal of Natural Resources and serves in Editorial and Advisory Boards of several journals. Currently, he lectures part time at the College of Environment and Development of Addis Ababa University. Professor Mamo is a founding fellow of the Ethiopian Academy of Sciences.

Professor Mamo holds a PhD in soil chemistry and fertility from the University of Aberdeen, Scotland.

Dr. Nguyen Van Bo

President, Vietnam Academy of Agricultural Science, Vietnam

www.vaas.org.vn

Dr. Nguyen Van Bo is President of the Vietnam Academy of Agricultural Science, Vietnam (VAAS). He began his career in 1978 as a soil and plant nutrition scientist and subsequently worked in soil fertility, fertilizer efficiency, farming systems, land use policy and environmental monitoring. His current work focuses on food security, biofuels, and climate change mitigation and adaptation.



Dr. Bo is vice-chair of the Science and Technology council of the Ministry for Agriculture and Rural Development, and a member of steering committee on climate change mitigation and adaptation program in agriculture.

Dr. Bo worked as Director General of the National Institute for Soils and Fertilizers (1994-1999) and Director General of the Department of Science and Technology and Environment, Ministry of Agriculture and Rural Development (1999-2005) before becoming President of VAAS in 2006.

Dr. Bo holds a PhD in Biology from the Moscow State University, Russia

Dr. Carlos A Nobre

National Secretary, Secretariat of Policies and Programs in Research and Development, Ministry of Science, Technology and Innovation, Brazil

www.mct.gov.br

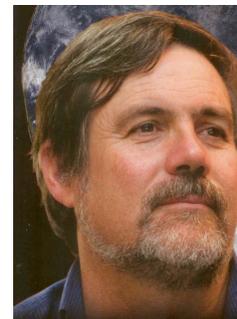


Dr. Nobre is a meteorologist with research interests in tropical meteorology; climate modelling; global environmental change; and biosphere-atmosphere interactions in Amazonia, Brazil. He was formerly Director of the Center for Earth System Science, National Institute for Space Research (INPE). In addition to his role at the Ministry of Science, Technology and Innovation, Dr. Nobre is Chair of the International Geosphere-Biosphere Programme (IGBP) Scientific Committee; Executive Secretary of the Brazilian Research Network on Global Climate Change (Rede CLIMA); and Scientific Director of the National Institute for Climate Change Research. Previously, he was Director of the Brazilian Center for Weather Forecasting and Climate Studies (CPTEC-INPE) (1991-2003) and Program Scientist for the Large Scale Biosphere-Atmosphere Experiment in Amazonia (1996-2002). Dr. Nobre is a Member of the Brazilian Academy of Sciences and of the Academy of Sciences for the Developing Countries (TWAS). He is also a professor of Biosphere- Atmosphere Interactions at INPE's doctoral program in Meteorology. He has authored and co-authored over 130 scientific articles, books and book chapters.

Professor Bob Scholes

Fellow, Natural Resources and the Environment, Council for Scientific and Industrial Research (CSIR), South Africa

www.csir.co.za



Dr. Bob Scholes is a systems ecologist, employed by the Council for Scientific and Industrial Research in South Africa. He has over three decades of research experience on the topics of savannah ecology, biogeochemistry, global environmental change and biodiversity and is widely published in these fields. He has been involved in several high-profile environmental assessments, including the Intergovernmental Panel on Climate Change (he is a Convening lead Author in the current assessment) and the Millennium Ecosystem Assessment, where he co-chaired the Status and Trend working group. He is the co-Chair of Diversitas, the international biodiversity research coordinating body, and Chair of the Group on Earth Observation Biodiversity Observation Network (GEO BON). He is a Fellow of the CSIR, the South African Academy and the Royal Society of South Africa, and serves on the editorial board of several journals.

Dr. Rita Sharma

Secretary, National Advisory Council, India

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Dr. Rita Sharma is the Secretary to the National Advisory Council (NAC) of the Government of India. Since 1974, Dr. Sharma has worked at various levels of government in India, including as secretary to the Government of India in the Ministry of Rural Development; special secretary in the Department of Agricultural Research and Education; and commissioner of land resources and extension in the Ministry of Agriculture. Dr. Sharma was responsible for the implementation of programs and projects for poverty alleviation, natural resource management, infrastructure creation, employment, and risk management in rural areas, which account for more than 70 percent of India's population.

Dr. Sharma has negotiated several multilateral and bilateral development projects; has represented India in the UN Food and Agriculture Organization (FAO), the Consultative Group on International Agricultural Research (CGIAR), and World Bank; and is on the Board of Trustees of the International Rice Research Institute and the World Agroforestry Center.

Dr. Sharma holds a MS and Ph.D. in development economics from Cornell University.

Professor Judi Wakhungu

Executive Director, African Center for Technology Studies (ACTS),
Kenya

www.acts.or.ke



Professor Wakhungu is the Executive Director of the African Centre for Technology Studies (ACTS), an international inter-governmental science, technology, and environmental policy think tank based in Nairobi, Kenya. Professor Wakhungu's research interests include science, technology, and innovation; agriculture and food security; biodiversity and natural resource management; energy and water security; and gender issues in science and technology. She has published widely in these fields. Professor Wakhungu serves on several national and international boards, task-forces, and committees including the African Conservation Centre, the International Assessment of Agricultural Science and Technology for Development (IAASTD), the GoDown Arts Centre, the Institute for Security Studies, the Lemelson Foundation, the Legatum Centre at M.I.T., the WorldFish Centre and the World Bioenergy Association. Professor Wakhungu holds Ph.D. in energy resources management from Penn State University.