

Speaker & Moderator Bios



Mr. Edward BARBIER

Edward B. Barbier is the John S Bugas Professor of Economics, Department of Economics and Finance, University of Wyoming. He has over 25 years experience as an environmental and resource economist, working on natural resource and development issues as well as the interface between economics and ecology. He has served as a consultant and policy analyst for a variety of national, international and non-governmental agencies, including many UN organizations and the World Bank. Professor Barbier is on the editorial boards of several leading economics and natural science journals, and he appears in the 4th edition of *Who's Who in Economics*. He has authored over 150 peer-reviewed journal articles and book chapters, written or edited twenty-one books, and published in popular journals. Some of his well-known works include *Blueprint for a Green Economy* (with David Pearce and Anil Markandya, 1989), *Natural Resources and Economic Development* (2005), *A Global Green New Deal* (2010), *Scarcity and Frontiers: How Economies Have Developed Through Natural Resource Exploitation* (2011) and *Capitalizing on Nature: Ecosystems as Natural Assets* (2011).

Mr. Francisco BARNÉS

Francisco Barnés is a chemical engineer from the National Autonomous University of Mexico (UNAM). He received his master degree in Chemical Engineer from the University of California at Berkeley in 1997 and his PhD in Environmental and Energy Policy from Imperial College at London University in 2001. He was a partner in McKinsey & Company since 2001 until February 2011. Through his career at McKinsey, he became part of the global leadership in Energy and Sustainability Practices advising governments, NGO's, private companies and public sector institutions. Throughout his consultancy work, he specialized in the creation of low-carbon growth strategies, adaptation to climate change, energy and other topics related to sustainable development like water, environmental pollution and solid wastes. He has published several peer-reviewed articles in leading journals and has participated in a number of international fora related to environmental and energy policy. In March 1st 2011, he was designated by the President of Mexico as a the head of the National Institute of Ecology.

Mr. Alex BOWEN

Dr Alex Bowen joined the new Grantham Research Institute on Climate Change and the Environment at the London School of Economics in Autumn 2008 as a Principal Research Fellow. His research interests include the design of public policies to reduce greenhouse gas emissions and the macroeconomic aspects of climate-change policies, including green growth. He has been a consultant to the EBRD, OECD, World Bank, ADB, UK DFID and UK DECC. Dr Bowen has a BA in Economics from Cambridge University and a PhD in Economics from the Massachusetts Institute of Technology, where he studied on a Kennedy Scholarship. Trained initially as a labour and development economist, he worked at Brunel University and then the Centre for Labour Economics at the LSE. Dr Bowen has long been involved in aspects of economic policy, having worked in the Bank of England for sixteen years, most recently as Senior Policy Adviser, on both monetary and financial stability issues. He had responsibility successively for the Bank's *Inflation Report* and *Financial Stability Review*. He first became involved in climate change issues when seconded as Senior Economist to the team that produced the *Stern Review of the Economics of Climate Change* in 2006.

Mr. Brian COPELAND

Brian Copeland is Professor of Economics at the University of British Columbia (in Canada). He grew up in British Columbia and has a PhD from Stanford University. His research has focused on developing analytical techniques to study the interaction between international trade and the environment. He has investigated the role of environmental policy in affecting trade flows, the design of environmental policy

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in open economies, the interaction between trade in goods and trade in pollution permits, and the effects of trade liberalization on renewable resource management and on environmental outcomes. His work has appeared in journals that include the *American Economic Review*, *Quarterly Journal of Economics*, *Journal of International Economics*, and the *Journal of Economic Literature*. He (jointly with Scott Taylor) is the author of the book, *Trade and the Environment: Theory and Evidence*, published by Princeton University Press. He was Head of the Economics Department at UBC from 2006-2010. He was previously co-editor of the *Journal of Environmental Economics and Management* and is currently an Associate Editor at the *Journal of International Economics*.

Mr. Raouf DABBAS*

The Senior Advisor at the Ministry of Environment since 2007. Previously he was employed at the Prime-Ministry as the Environmental Advisor following up issues related to the environment and representing Jordan during the High Level environmental meetings. Mr. Dabbas is actively involved in environmental NGOs since 1994. He is an environmental lobbyist and activist, he participated in many international forums. During these and other international conferences and forums he was instrumental in promoting environmental grass root perspectives and shedding light on the environmental challenges facing the developing countries. In 1999 he launched the first Jordanian industrial network called the Jordanian Network for Environmentally Friendly Industries. He was also instrumental in developing the Jordan Cleaner Production Program recognized by both UNEP and UNIDO which is now considered an active CP center in Jordan. Currently his responsibilities at the Ministry of Environment are focused on building the Ministry's institutional capacities, promoting the development of Renewable Energy and Energy Efficiency, assisting in the development of Cleaner Production Legislation, The Green Economy Strategy and organizing the Eco-Cities initiative. Mr. Dabbas holds a Bachelors Degree in Mechanical Engineering from the University of Kansas State , USA.

Mr. Jaime DE MELO

Jaime de Melo is a CEPR fellow, a member of EU-GDN and a senior Fellow at the FERDI. He worked at USAID from 1972 to 1976, taught at Georgetown University from 1976-80 and, from 1980 to 1993, he held various positions in the research Department at the World Bank before joining the faculty at the University of Geneva in 1993. A founding member of the World Trade Institute, he has held several editorial positions and was editor-in-chief of the World Bank Economic Review, 2005-2010.

Mr. Paul EKINS

Paul Ekins has a Ph.D. in economics from the University of London and is Professor of Energy and Environment Policy at the UCL Energy Institute, University College London. He is also a Co-Director of the UK Energy Research Centre, in charge of its Energy Systems theme. He was a Member of the Royal Commission on Environmental Pollution from 2002-2008. He also has extensive experience consulting for business, government and international organisations. Paul Ekins' academic work focuses on the conditions and policies for achieving an environmentally sustainable economy, He is the author of numerous papers, book-chapters and articles in a wide range of journals, and has written or edited twelve books, including *Global Warming and Energy Demand* (Routledge, 1995) and *Economic Growth and Environmental Sustainability: the Prospects for Green Growth* (Routledge, London, 2000). Since 2008 he has edited or co-editor six books including *Trade, Globalization, and Sustainability Impact Assessment: A Critical Look at Methods and Outcomes* (Earthscan, London, 2009), *Energy 2050: the Transition to a Secure, Low-Carbon Energy System for the UK* (Earthscan, London, 2011); and *Environmental Tax Reform: Resolving the Conflict Between Economic Growth and the Environment* (Oxford University Press, Oxford). In 1994 Paul Ekins received a Global 500 Award 'for outstanding environmental achievement' from the United Nations Environment Programme.

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Ms. Marianne FAY

Marianne Fay is Chief Economist of the Sustainable Development Network of the World Bank and co-Director of the World Development Report 2010 on Climate Change. At the World Bank she has served in multiple regions, including Eastern Europe and Central Asia, Latin America and the Caribbean, and Africa, working on infrastructure, urbanization, and more recently on climate change and green growth. Her research has explored the role of infrastructure and urbanization in development, with a particular focus on urban poverty, climate change, and green growth, on which she has authored numerous articles and books. Ms. Fay holds a PhD in Economics from Columbia University.

Mr. Andrés FLORES

He is an Economist from the National Autonomous University of Mexico (UNAM), and has a Master's Degree (M.A.) in Economics, from the Monterrey Tec (ITESM); a Master's Degree (M.Sc.) in Environmental Technology, from the Imperial College of Science, Technology and Medicine of the University of London; and a Doctorate (Ph.D.) in Energy and Environmental Studies, from the Massachusetts Institute of Technology (MIT). Andrés holds a Postgraduate Diploma in Environmental Management, from the Dresden University of Technology (TU), and has attended several international courses and workshops related to environmental topics. He has been a Mexican delegate before the United Nations Framework Convention on Climate Change (UNFCCC) and the Intergovernmental Panel on Climate Change (IPCC). He has published papers on topics related to environmental economics, and on the interface between energy and the environment. He has more than twelve years of work experience, in different positions within the National Institute of Ecology (INE), where he currently holds the position of General Director of Research on Environmental Policy and Economics, since January 2012.

Mr. Joe GRICE*

Joe Grice is the Chief Economist and Executive Director responsible for Economic, Labour Market and Social Analysis at the UK Office for National Statistics (ONS). He has degrees from the Universities of Oxford and Chicago. Joe spent most of his career at the UK Treasury. His last two posts were as Director of Macroeconomic Policy (till 2000) and then as Chief Economist and Director of Public Services till December 2003. In 2004, he moved to ONS. As Chief Economist, his area is responsible for compilation of United Kingdom GDP and other economic statistics but also leads on the measurement of national wellbeing and of sustainable development. Since 2003, he has been chairman of the OECD's Working Party on Macroeconomic and Structural Policy ("Working Party 1") which oversees *Going for Growth*, the OECD's flagship publication assessing countries' progress on structural reform. He is involved with other parts of the Organisation to bring green growth and wellbeing considerations closer together with the traditional economic growth agenda. Joe was president of the European Union Economic Policy Committee between 2005 and 2007. He is also a member of the Council of the Royal Economic Society.

Mr. Kirk HAMILTON

Kirk Hamilton is Lead Economist in the Development Research Group of The World Bank and co-author of *The Changing Wealth of Nations* (World Bank 2011) and World Development Report 2010 *Development and Climate Change*. He is principal author of *Where is the Wealth of Nations?* (World Bank 2006) and leads research on the links between poverty and environment, 'greening' the national accounts, and the economics of climate change. Previously senior research fellow at the UK Centre for Social and Economic Research on the Global Environment, Dr. Hamilton has researched and published extensively on growth theory and the economics of sustainable development. He also served as Assistant Director of National Accounts for the government of Canada, where his responsibilities included developing an environmental national accounting program. His degrees include a PhD in

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Economics and MSc in Resource and Environmental Economics from University College London, as well as a BSc (Eng.) from Queen's University at Kingston.

Ms. Ann HARRISON*

Ann Harrison is a Professor of Multinational Management at the University of Pennsylvania and a Research Associate at the National Bureau of Economic Research. She spent the last two years at the World Bank, where she was the Director of Development Policy in the Development Research Group, and prior to that, the manager of the Trade Team within research. She is also affiliated with the International Growth Centre in London. She received her BA from UC Berkeley and a PhD from Princeton University. Ms. Harrison was in the Young Professional Program at the World Bank, and previously taught at the University of Paris, Harvard's Kennedy School and Columbia Business School. Ann Harrison's research is in the area of international trade, foreign investment, and economic development. She has analyzed the impact of globalization on domestic labor markets, the linkages between productivity and trade reform, and the impact of foreign investment on host countries. She completed a book, *Globalization and Poverty*, for the National Bureau of Economic Research in 2007. Her latest research analyzes the anti-sweatshop movement, the impact of offshoring on wages and employment, the role of industrial policy in economic development, and the determinants of productivity growth in China and India.

Mr. Geoffrey HEAL*

Professor Geoffrey Heal of Columbia Business School is noted for contributions to economic theory and resource and environmental economics. He holds bachelors and doctoral degrees from Cambridge University and an Honorary Doctorate from the Université de Paris Dauphine. Author of eighteen books and about two hundred articles, he is a Fellow of the Econometric Society, Past President of the Association of Environmental and Resource Economists, recipient of its prize for publications of enduring quality and Life Fellow, a Director of the [Union of Concerned Scientists](#) and a founder, Director and Chairman of the Board of the [Coalition for Rainforest Nations](#). Recent books include *Nature and the Marketplace*, *Valuing the Future*, *When Principles Pay* and *Whole Earth Economics*. Heal chaired a committee of the National Academy of Sciences on [valuing ecosystem services](#), was a Commissioner of the [Pew Oceans Commission](#), is an IPCC coordinating lead author, was a member of President Sarkozy's [Commission on the Measurement of Economic Performance and Social Progress](#), was a member of the advisory board for the World Bank's 2010 [World Development Report](#) and UNEP's 2011 [Human Development Report](#), and advises the World Bank on its Green Growth Project. He is also a Director of [Public Business](#).

Mr. Nick JOHNSTONE

Nick Johnstone, Ph.D., is Head of the Empirical Policy Analysis Unit at the OECD Environment Directorate. His current research interests include the analysis of environmental policy instrument choice, the links between environmental policy and technological innovation, the contribution of environmental factors to subjective well-being, and household behaviour in key sectors with environmental implications. He is the author of a number of books and chapters, with leading academic publishers (Routledge, Blackwell, Oxford University Press, Edward Elgar), and has published in leading journals in the field.

Mr. Larry KARP

Larry Karp is a professor of Agricultural and Resource Economics at the University of California—Berkeley. He has also taught at Southampton University and Texas A&M. His research interests include trade policy, environmental economics, dynamic games, and industrial organization.

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Ms. Alice KAUDIA

Alice Akinyi Kaudia, a Bachelor of Science in Agriculture graduate from the University of Nairobi, was conferred with a Doctor of Philosophy degree in Forestry Extension and Development by the University of East Anglia, the United Kingdom, in 1996. Subsequently, she has served in senior leadership and management positions in government, Civil Society Organizations, International Environment Conservation Organizations, Forestry Research Institution and the private sector. Positions held include being the first Environment Secretary in Kenya since 2008, the first woman regional director for the International Union for Conservation of Nature - eastern Africa regional Office-, Technical Advisor to the government of Zambia on Forestry Curriculum revision on a assignment by SAVCOR-INDUFOR OY, of Finland; Assistant Director at Kenya Forestry Research Institute, Associate Research Officer at the World Agroforestry Center and Program Officer at the Africa Academy of Sciences.

Mr. Howard KUNREUTHER

Howard C. Kunreuther is the James G. Dinan Professor; Professor of Decision Sciences and Business and Public Policy at the Wharton School, and co-director of the Wharton Risk Management and Decision Processes Center. He has a long-standing interest in ways that society can better manage low-probability, high-consequence events related to technological and natural hazards. Dr. Kunreuther is a member of the World Economic Forum's Global Agenda Council on *Insurance and Asset Management* for 2011-2012, and in 2009-2010 served as co-chair of the Forum's Global Agenda Council on *Leadership and Innovation for Reducing Risks from Natural Disasters*. He currently serves the Intergovernmental Panel on Climate Change (IPCC) as a lead author the IPCC's 5th Assessment Report on *Integrated Risk and Uncertainty Assessment of Climate Change Response*. He is a Fellow of the American Association for the Advancement of Science, and a Distinguished Fellow of the Society for Risk Analysis, receiving the Society's Distinguished Achievement Award in 2001. His most recent books are *Learning from Catastrophes: Strategies for Reaction and Response* (with Michael Useem) (2010), and *At War with the Weather* (with Erwann Michel-Kerjan) (2009, paperback, 2011).

Mr. LEE Myung Kyoon (MK)

Lee Myung Kyoon (Dr. Lee) is the Director of Country Program and Knowledge Integration Unit in the Global Green Growth Institute (GGGI) located in the Republic of Korea. He has been a professor at Keimyung University in the faculty of environment as well as Senior Economist at UNEP Risoe Center for Energy, Climate and Sustainable Development, where he managed its "Capacity Development for the CDM (CD4CDM)" programme and led its Climate Change cluster. He previously worked for LG Economic Research Institute and Korea Environment Institute and has published widely on energy, environment and development issues.

Mr. Danny LEIPZIGER

Danny Leipziger is Professor of International Business, George Washington University and Managing Director of the Growth Dialogue. He is former Vice President for Poverty Reduction and Economic Management at the World Bank, a position in which he oversaw a Network of over 700 economists and professionals. During his PREMVP tenure, he initiated the Gender Action Plan and provided impetus to the growth agenda, governance programs and the trade department. He served as the first Chairman of the World Bank's Sanctions Board and represented the Bank at G8/G-20 meetings, while providing advice to the last 3 World Bank Presidents on economic policy. He was also Vice Chair of the Spence Commission on Growth and Development, a major 4 year international project that resulted in the 2009 Growth Report, and is a frequent commentator in the media and the press on global economic issues.

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Over the course of his career at the World Bank, he held management positions in the East Asia Region and the Latin America and Caribbean Region as well as in the World Bank Institute. Prior to joining the Bank, Dr. Leipziger served in senior positions at the USAID and the U.S. Department of State. He obtained both M. A. and Ph. D. degrees from Brown University in Economics. He has published widely on topics of development economics and finance, industrial policy, and banking, including books *Korea: Transition to Maturity*, *Chile: Policy Lessons*, *Preventing Banking Crises* and *Lessons of East Asia* as well as recent volumes *Globalization and Growth* (with M. Spence) and *Stuck in the Middle: Is Fiscal Policy Failing the Middle Class?* (with A. Estache). He has authored more than 35 published articles on development economics and policy. His forthcoming volume, *Ascent After Decline: Challenges of Growth in a Post-Crisis World* (with O. Canuto) will be published in 2011.

Ms. Sylvie LEMMET

Sylvie, a French national, has had a distinguished career in the field of management and environment. She brings to UNEP a strong commitment and dedication to environmental sustainability. She also brings extensive knowledge of and experience from the international and national development scene. In her career, Sylvie has held a series of senior management positions and has led large teams to success. She has worked with the private sector, NGOs, international organizations and most recently as Senior Auditor with the French Cour des Comptes. In leadership roles, her responsibilities have ranged from general management to project, budget and financial management. She has been the Chief Financial Officer and, later, a member of the Executive Board of Médecins sans Frontières working in the field of humanitarian emergency assistance. As senior official with The World Bank, Sylvie was responsible for large scale projects and initiatives in the area of environment and sustainable development. She has most recently played a very active role in improving the public sector efficiency in France. She has also participated as a member of Cour des Comptes' audit team of the United Nations. Sylvie holds a Master's Degree in Public Administration from Harvard University and École Nationale d'Administration (ENA), respectively as well as a Master's Degree in Business Administration from École des Hautes Etudes Commerciales and a degree in Economics from the Sorbonne University.

Mr. Dirk MESSNER

Prof. Dr. Dirk Messner, political scientist and development economist; Director of the German Development Institute (www.die-gdi.de) and Co Director of the Center for Advanced Studies on Global Cooperation Research; teaching at the University of Duisburg-Essen, Vice Chair of the German Advisory Council on Global Change (www.wgbu.de), Member of the China Council for International Cooperation on Environment and Development. Areas of specialisation: Globalisation and Global Governance; Global Environmental Change and Sustainable Development, Climate Change and Low Carbon Development; China and India as Drivers of Global Change; recent publications: Dirk Messner/ John Schellnhuber et al. (2011): *World in Transition. A Social Contract for Sustainability*, Berlin: German Advisory Council on Global Change; together with Ashwani Kumar (eds.) (2010): *Power Shifts and Global Governance. Challenges from South and North*, London: Anthem Press; together with John Schellnhuber et al. (2009): *Climate Change as a Security Risk*, London: Earthscan

Mr. Mario MOLINA

Professor Molina holds a Chemical Engineer degree (1965) from UNAM (Mexico), and a Ph.D. in Physical Chemistry (1972) from the University of California, Berkeley. He is the President of the Mario Molina Center in Mexico City, Professor at the University of California, San Diego (UCSD), and was formerly an Institute Professor at MIT. He serves on the U.S. President's Committee of Advisors in Science and Technology. He has received more than 30 honorary degrees and numerous awards for his scientific

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work including the Tyler Prize in 1983, the UNEP-Sasakawa Award in 1999, and the 1995 Nobel Prize in Chemistry.

Mr. Richard MORGENSTERN

Richard D. Morgenstern is a senior fellow at the Resources for the Future (RFF) in Washington, D.C. Before joining RFF in the year 2000, he had built a career as an academic and a policy maker. He was a tenured economics professor at Queens College of the City University of New York and has also taught at University of Pennsylvania, Oberlin College and elsewhere. Morgenstern first joined the federal government as an analyst at the Congressional Budget Office before being named Deputy Assistant Administrator of Energy, Natural Resources and the Environment. Subsequently, he served at the U.S. Environmental Protection Agency, where he held various positions, including Director of the Office of Policy Analysis. He served (briefly) as the Agency's Acting Deputy Administrator in 1993. At RFF, Morgenstern's research focuses on the economic analysis of environmental issues with an emphasis on the costs, benefits, evaluation, and design of environmental policies, especially economic incentive measures. His analysis also focuses on climate change, including the design of cost-effective policies to reduce emissions in the United States and abroad. Morgenstern received his A.B. degree in economics at Oberlin College and his Ph.D. in economics at the University of Michigan. He has published dozens of articles on environmental economics and policy and he has authored/edited several books.

Mr. Carlos MUÑOZ-PIÑA

Carlos Muñoz-Piña studied economics at ITAM in Mexico, has a M.Sc. degree in Environmental Economics from UCLondon, and a Ph.D. from UC Berkeley. He has worked for the government of Mexico, the World Bank, and the London Environmental Economics Centre, as well as doing pro-bono work for several NGOs. Carlos has published papers on common property resources, economic valuation of ecosystems, private sector environmental performance and payment of environmental services. From 2001 to 2011 Dr. Muñoz was the director for Environmental Economics and Public Policy Research at INE-SEMARNAT where his teams designed and negotiated several initiatives on economic instruments for environmental policy, among them Mexico's Payments for Environmental Services program, the fisheries buyback to protect the *Vaquita* porpoise from extinction, and a pilot project to decouple the energy subsidies that cause the overexploitation of aquifers. His teams helped design the Mexican fuel efficiency standard for automobiles, launched a green consumer website, and used econometrics to build a map of economic pressure on deforestation. In 2012 Dr. Muñoz went back to academia and is now teaching at ITAM, Ibero, and UMA, collaborating in a series of projects regarding the poverty-environment linkages, behavioral economics and public policy, and an environmental take on *new industrial policy* strategies.

Mr. Joaquim OLIVEIRA MARTINS

Joaquim Oliveira Martins is the Head of the OECD Regional Development Policy Division. Current projects cover the determinants and distribution of regional growth, regional innovation, urban development and green growth and multi-level governance. He was the former Head of the Structural Economic Statistics Division, focusing on Trade & Globalisation indicators, Productivity measurement and Business statistics. Previously, he was Senior Economist at the Economics Department heading projects on the Economics of Education, Ageing and Growth, and Health Systems. He was also Head of Desk for emerging markets, where he was in charge of the first Economic Surveys of Brazil, Chile and several transition countries. Other OECD projects include monographs on *Competition, Regulation and Performance* and *Policy Response to the Threat of Global Warming*. He was also Research Fellow at the CEPII (*Centre d'Etudes Prospectives et d'Informations Internationales*, Paris). He is lecturer at University

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of Paris-Dauphine and *Sciences Po*, Paris. He holds a PhD in Economics from the University of Paris-I, Panthéon-Sorbonne.

Mr. PARK Heekyung

Mr. David POPP*

David Popp is Associate Professor of Public Administration at the Maxwell School of Syracuse University. He is an economist with research interests in environmental policy and the economics of technological change. Much of his research focuses on the links between environmental policy and innovation, with a particular interest in how environmental and energy policies shape the development of new technologies that may be relevant for combating climate change. His work has been funded by the National Science Foundation and the U.S. Department of Energy, and has been published in a variety of economics and policy journals. Popp is a Research Associate of the National Bureau of Economic Research, a Research Network Member in the Energy & Climate Economics Research Group of CESifo, a co-editor for the *Journal of Environmental Economics and Management*, and an associate editor for *Energy Economics* and *Environmental and Resource Economics*. He has served on the U.S. General Accounting Office Expert Panel on Climate Change Economics, and on the U.S. Environmental Protection Agency's Advisory Council on Clean Air Compliance Analysis. Popp received a B.A. in Political Economy from Williams College in 1992, and a Ph.D. in Economics from Yale University in 1997.

Mr. Richard SAMANS

Richard M. "Rick" Samans is Executive Director of the Global Green Growth Institute, which is headquartered in Seoul, South Korea. He was Managing Director of the World Economic Forum until March 2011, overseeing the Forum's policy and public-private partnership initiatives as well as its relations with international organizations, governments, NGOs, unions and other non-business constituencies. In addition to helping to shape the global-issues content of Forum summits, he played an important role in developing the organization's portfolio of multistakeholder projects, which now engage over 300 Forum member companies in action- or policy-oriented work with experts from official, civil society, academic and other institutions. Before joining the Forum in 2001, Rick served as Special Assistant to the President for International Economic Policy in the U.S. White House. As Senior Director of the National Security Council's International Economic Affairs directorate and a senior staff member of the National Economic Council, he assisted President Clinton on a broad range of international trade and financial policy matters. From 1996 - 1998, as Economic Policy Advisor to U.S. Senate Democratic Leader Tom Daschle (D-SD), he assisted Senator Daschle and the Senate Democratic Caucus on international trade and monetary, tax, and broad economic policy issues.

Ms. Ana SANCHEZ

Ana Belén Sanchez has a background in agriculture engineer and a master's degree on renewable energies and she is Climate Change Specialist in the Job Creation and Enterprise Development Department at the International Labour Organization. Before joining the Green Jobs programme in 2008 she has worked on the solar energy field and at the environment department of ISTAS (Trade Union Institute on Labour, Environment and Health) in Spain on areas related to climate change and energy, where she wrote a number of reports on employment creation on renewable energies and climate change mitigation measures. Her current role at the ILO covers areas such as green jobs advisory services at the country level, participation in international discussions on climate change and sustainable development and delivering training for employers, workers and institutions on green jobs.

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Mr. Andreas SCHÄFER

Andreas Schäfer is a faculty member at the University of Cambridge (UK) and a Visiting Professor at the Precourt Energy Efficiency Center at Stanford University. Prior to his tenure in Cambridge, he spent five years at the International Institute for Applied Systems Analysis (IIASA) in Laxenburg, Austria and seven years at the Massachusetts Institute of Technology. His interests include energy and transportation systems analysis. He is lead-author of “Transportation in a Climate-Constrained World”, MIT Press (June 2009). Dr. Schäfer holds a MSc in Aero-and Astronautical Engineering and a PhD in Energy Economics, both from the University of Stuttgart, Germany.

Mr. Paul SCHREYER

Paul Schreyer is Deputy Chief Statistician at the Organisation for Economic Co-operation and Development (OECD) in Paris. His personal research areas include the measurement of capital and productivity, the measurement of non-market activities and price statistics. He is also the author of the *2001 OECD Manual on Measuring Productivity*, of the *2009 OECD Manual on Measuring Capital* and of a *Handbook on the Measurement of Health and Education Output (2010)* and has published books and articles in international journals. In 2008-09, he was rapporteur in the Stiglitz-Sen-Fitoussi Commission on the Measurement of Economic Performance and Social Progress. Since 2008, he has had a lead role in the OECD’s work on *Green Growth Indicators*. Paul Schreyer joined the OECD in 1988 and has held positions in the Directorates for Science, Technology and Industry, Environment and Statistics, most recently as head of the National Accounts Division. Before joining the OECD, he was a research fellow at the IFO Institute for Economic Research in Munich Germany and an assistant professor of economics at the University of Innsbruck in Austria. Paul Schreyer studied at the Universities of Innsbruck and Birmingham (United Kingdom) and holds a Ph.D. in economics. He is of Austrian nationality.

Mr. SHENG Fulai

Sheng Fulai is currently the Chief of the Research and Partnerships Unit of UNEP based in Geneva. His areas of expertise include integrated public policymaking, international payments for ecosystem services, and integrated economic and environmental accounting. He is currently managing UNEP’s Green Economy Initiative, which aims to motivate and enable governments and businesses to invest in environmental sectors such as renewable energy, green buildings, public transport, sustainable agriculture, and watersheds. Mr. Sheng holds a Masters degree in economics from the Shanghai University of Finance and Economics (1985). Prior to joining UNEP in 2005, for over twenty years, he had served the Chinese Ministry of Finance, the World Bank, the World Wide Fund for Nature, and Conservation International. His major publications include: *Real Value for Nature – An Overview of Global Efforts to Achieve True Measures of Economic Progress*; *Comparative Assessment of Development Options*; *Macroeconomic Policies, Poverty and the Environment* (co-author); *Rights, Wants and Needs: Economic Instruments and Biodiversity Conservation*, and *Integrated Policymaking for Sustainable Development: A Reference Manual* (co-author).

Mr. Sjak SMULDERS

Sjak Smulders is professor of economics at Tilburg University, Netherlands, and adjunct professor of economics at the University of Calgary, Canada. He is editor in chief (with Rick Horan) of *Resource and Energy Economics*. His work is mainly on the interactions between economic growth, technical change and environmental policy.

Mr. Robert STAVINS

Robert N. Stavins is the Albert Pratt Professor of Business and Government at the Harvard Kennedy School, Director of the Harvard Environmental Economics Program, Chairman of the Environment and

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Natural Resources Faculty Group, Director of Graduate Studies for the Doctoral Program in Public Policy and the Doctoral Program in Political Economy and Government, Co-Chair of the Harvard Business School-Kennedy School Joint Degree Programs, and Director of the Harvard Project on Climate Agreements. He is a University Fellow of Resources for the Future, a Research Associate of the National Bureau of Economic Research, Co-Editor of the *Review of Environmental Economics and Policy*, and a Member of: the Board of Directors of Resources for the Future, the Scientific Advisory Board of the Fondazione Eni Enrico Mattei, the Board of Academic Advisors of the AEI-Brookings Joint Center for Regulatory Studies, the Editorial Boards of *Resource and Energy Economics*, *Climate Change Economics*, *Environmental Economics Abstracts*, *B.E. Journals of Economic Analysis & Policy*, *Economic Issues*, and *Environmental Economics and Policy Studies*. He is also a Vice-President of the American Association of Wine Economists, an editor of the *Journal of Wine Economics*, and is the Chair of the Expert Advisory Board of the Harvard Alumni Alliance for the Environment.

Mr. Ronald STEENBLIK

Ronald Steenblik directs the work on trade and the environment in the OECD's Trade & Agriculture Directorate. Currently he is leading two major work streams: producing an inventory of support to fossil-fuel production and consumption in OECD countries, and identifying and evaluating incentives for renewable energy. Ronald has also made important contributions to the international discussions on liberalizing trade in environmental goods and services. While on sabbatical from the OECD, in 2006 and 2007, he served as the Director of Research for the Global Subsidies Initiative (GSI), an ambitious new program developed by the International Institute for Sustainable Development aimed at improving information on the extent and effects of subsidies, especially those that are harming developing countries or the environment. Ronald earned degrees from Cornell University's School of Natural Resources (1974) and from the University of Pennsylvania (1985).

Mr. Andrew STEER

Dr. Steer became Special Envoy for Climate Change at the World Bank in July 2010. As such, he is responsible for guiding the Bank Group's work on climate change (now in over 130 countries), and for advancing a strong pro-development climate agenda internationally. In his post, which ranks at the level of Vice President, he will also oversee the \$6.5 billion dollar Climate Investment Funds and help mobilize climate financing. Prior to his appointment, Dr. Steer served for three years as Director General, Policy and Research at the UK Department of International Development (DFID) in London. In earlier years, he held a number of positions at the World Bank including Country Director for Indonesia and Vietnam, and Director of the Environmental Department. He was also Staff Director of the 1992 World Development Report on Environment and Development, the Bank's Flagship report to the Rio Earth Summit. Dr. Steer has three decades of experience working on development issues at the country level in Africa and Asia, and on global development issues. He has a PhD in Economics from the University of Pennsylvania, has written widely on development issues and has taught Economics at several universities.

Mr. Pavan SUKHDEV*

Pavan Sukhdev is Founder-CEO of GIST Advisory, a specialist consulting firm which helps governments and corporations discover, measure, value, and manage their impacts on natural and human capital. He has been awarded the 2011 McCluskey Fellowship by Yale University, where he is at present writing his book "Corporation 2020". Earlier, he was Special Adviser and Head of UNEP's Green Economy Initiative, & lead author of their "Green Economy Report", & also Study Leader for the G8+5 commissioned project on The Economics of Ecosystems and Biodiversity ("TEEB"). He was appointed to lead TEEB in 2008 by the EU Commission and Germany whilst still working full time at Deutsche Bank. A career banker, Pavan took a sabbatical from Deutsche to lead these two environmental projects for UNEP. While at Deutsche

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Bank, Pavan had founded and then chaired Global Markets Centre - Mumbai, a leading-edge front-office offshoring company. Pavan was a speaker at the World Economic Forum meetings Davos in 2010 and 2011. He serves on the boards of Conservation International and the Stockholm Resilience Centre.

Mr. Paul SWAIM

Paul Swaim has been an economist in the Employment Analysis and Policy Division since joining the OECD in 1995. In that position, he has written extensively for the OECD *Employment Outlook*, addressing such topics as job training, working time, employment protection legislation, wage-setting institutions, poverty dynamics and labour market adjustment to globalisation. Mr. Swaim has also served as editor of that publication in more recent years and played an active role in the reassessment of the OECD Jobs Strategy that was reported to Labour and Employment Ministers in June 2006. He also had a lead role in organising a meeting of OECD Employment and Labour Ministers in September 2009 where the main topic for discussion was the implications of the economic crisis for labour market and social policy. Since the fall of 2009, Mr. Swaim has been participating in an OECD-wide initiative to develop a comprehensive Green Growth Strategy, including by managing a project on green jobs and skills. Mr. Swaim holds a Ph.D. in economics from MIT and previously taught economics at the University of Massachusetts in Amherst and held several research positions in the US government.

Mr. Simon UPTON

Simon Upton is the Environment Director at the Organisation for Economic Cooperation & Development (OECD). He has played a key role in the development of the OECD's *Green Growth Strategy* launched earlier this year. The team he leads will release their *Environment Outlook to 2050* next March prior to the Rio+20 conference. Mr Upton is a New Zealander, a Rhodes Scholar and former Member of Parliament. He was Minister for Environment and Science & Technology during the 1990s. He chaired the UN Commission on Sustainable Development in 1999. After leaving politics in 2000, he worked with Pricewaterhouse Coopers in New Zealand, was a Visiting Fellow at the University of Otago Faculty of Commerce and served on the board of Holcim (NZ) Ltd. He has chaired the Round Table on Sustainable Development at the OECD since 1998 and took over his current role as Environment Director in 2009.

Mr. Jeffrey VINCENT

Jeffrey R. Vincent is the Clarence F. Korstian Professor of Forest Economics and Management in the Nicholas School of the Environment at Duke University. He previously held positions at the University of California-San Diego, Harvard University, and Michigan State University. Vincent's research focuses on the economics of natural resource management and policy in developing countries, with a primary focus on Asia. His current research focuses on biodiversity conservation in tropical forests and the impacts of climate change on agriculture. Vincent's books include the *Handbook of Environmental Economics* (North-Holland) and *Managing Natural Wealth: Environment and Development in Malaysia* (RFF Press). His articles have appeared in journals in various fields, including environmental economics, international development, forestry, and public health and medicine. He received the 2006 Cozzarelli Prize from the *Proceedings of the U.S. National Academy of Sciences* and the 2003 McKinsey Award from *Harvard Business Review*. Vincent is a fellow with the Beijer Institute of Ecological Economics and the South Asian Network of Development and Environmental Economists. He chairs the advisory committee for the Forest Economics and Policy Center at Resources for the Future and is on the program committee of the American Association for the Advancement of Science.

Mr. Ernst VON WEIZSÄCKER*

Co-Chair, International Resource Panel. Born 1939, Living in Emmendingen, Germany, married w/ Christine von Weizsäcker, five children. Web: www.ernst.weizsaecker.de. 1972 Professor of Biology,

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Essen Univ. 1975 President, Kassel University, 1981 Director at UN Centre for Science and Technology for Development, New York, 1984 Director, Institute for European Environmental Policy, 1991 Founding President, Wuppertal Institute for Climate, Environment, Energy. 1998 Member of Parliament, Germany, and Chair of the Bundestag Environment Committee. 2006-2008 Dean, Bren School for Environmental Science and Management, UC Santa Barbara, California. English books: 1992 Ecological Tax Reform. 1994 Earth Politics. 1997 Factor Four (w/ A & H Lovins). 2005 Limits to Privatization (w/ O. Young & M. Finger). 2010, Factor Five (w/ K. Hargroves et al).

Ms. Elke WEBER*

Elke U. Weber is the Jerome A. Chazen Professor of International Business and Professor of Management and Psychology at Columbia University. Her MA and PhD are from Harvard in behavior and decision analysis. She is an expert on judgment and decision-making under uncertainty, specifically in financial and environmental contexts. At Columbia, she founded and co-directs the Center for Decision Sciences (CDS), which generates and facilitates interdisciplinary decision research relevant to the needs of real world decision makers, and the Center for Research on Environmental Decisions (CRED), which investigates ways of facilitating human adaptation to climate change and climate variability and recently published a Climate Change Communications Guide (cred.columbia.edu/Guide). She has served on advisory committees of the National Academy of Sciences related to human dimensions in global change, was a member on an American Psychological Association Task Force that issued a report on the Interface between Psychology and Global Climate Change, and is a lead author in Working Group III for the 5th Assessment Report of the U.N. Intergovernmental Panel on Climate Change (IPCC). She is a fellow of the American Psychological Association, the Association for Psychological Science, the Society for Risk Analysis, and a member of the German National Academy of Sciences.

Mr. Cees WITHAGEN

Cees Withagen (1950) got his master's degree at Tilburg University in econometrics with a specialisation in mathematical economics in 1974. In 1984 he received his PhD degree at Tilburg University (cum laude). Currently, he is professor of environmental economics at VU University Amsterdam, Department of Spatial Economics in the Faculty of Economics and Business Administration. He is also fellow of Tinbergen Institute and CentER (Tilburg University). He is associate editor of the Journal of Economic Dynamics and Control and in the editorial board of the Journal of Environmental Economics and Management and Environmental and Resource Economics. His research interest lies in resource economics, the economics of climate change, green accounting, sustainability and trade and the environment. In 2011 he received an Advanced Grant from the European Research Council for investigating Green Paradoxes, concerning the possible adverse effects on CO₂ accumulation in case of a subsidy on renewables. His work has been published in the journals mentioned above and in a.o., the Journal of Public Economics, Resource and Energy Economics, and the Economic Journal.

Mr. YOUNG Soogil*

Chairman, Presidential Committee on Green Growth, Republic of Korea. Serving on the Presidential Committee on Green Growth since its founding in February 2009, appointed as Chairman in July 2010. Serves on the Council for The Green Growth Leaders launched by *The Monday Morning* in Copenhagen in 2010 and on the Advisory Board for the Global Green Growth Forum launched by the Danish government in 2011. Worked at four major governmental think tanks on economic policies during 1978~1998, including at the Korea Development Institute as a senior fellow, and at the Korea Transport Institute and the Korea Institute for International Economic Policy as President. Has served as Ambassador to OECD, also chairing the Advisory Board on the OECD Development Centre. During 2004~2011, directed the National Strategy Institute (NSI), a think tank on economic reforms, as

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President. Since the early 1980s, has served on numerous governmental advisory committees, including on four Presidential committees. During 2006~2010, represented Korea in the Pacific Economic Cooperation Council Standing Committee. Written extensively on Korea's development and international challenges. Graduated from Seoul National University in Korea with a B.Sc. in chemical engineering and the Johns Hopkins University in the U.S. with a Ph.D. in economics.