

## SPEAKERS' BIOGRAPHIES

### SESSION 1: OPENING SESSION

#### KEYNOTE SPEAKERS

---

#### CATHERINE L. MANN

---



**Dr. Catherine L. Mann** is OECD Chief Economist, Head of the Economics Department and the OECD G20 Finance Deputy. Following 20-plus years in Washington DC, she was the Rosenberg Professor of Global Finance at Brandeis University and from 1997-2011 was a Senior Fellow and visiting Fellow at the Peterson Institute for International Economics.

Earlier Ms. Mann served as a Senior International Economist at the US President's Council of Economic Advisors and worked as a Special Assistant to the Vice-President for Development Economics/Chief Economist at the World Bank. She spent 13 years on the Federal Reserve Board as a Senior Economist. She is a US citizen and holds a Ph.D. in Economics from the Massachusetts Institute of Technology (MIT) and a Bachelor's Degree in Economics from Harvard University.

Dr. Mann has authored or co-authored seven books, 60 articles, and numerous shorter pieces and testimony. She frequently appears on Bloomberg, CNBC, and public broadcasting, and has been quoted in Businessweek and The Economist. She has delivered key-note speeches and engaged in projects on technology and policy in numerous countries ranging from China, South Africa, Tunisia and Vietnam to Australia, Finland, France, and Germany, among others.

Her research spans two main topics – global imbalances and globalisation of technology and services.

## JANEZ POTOČNIK, CO-CHAIR INTERNATIONAL RESOURCE PANEL

---



**Dr. Janez Potočnik** (born in 1958) graduated from the Faculty of Economics at the University of Ljubljana, Slovenia (Ph.D. degree obtained in 1993). After a successful career starting in 1989 in Slovenia as a researcher at the Institute of Economic Research, he became Director of the Institute of Macroeconomic Analysis and Development of the Republic of Slovenia (1994). He was appointed Head of Negotiating Team for Accession of Slovenia to the EU (1998). He was also Director of Government Office for European Affairs (2000), Minister Councillor at the Office of the Prime Minister (2001) and Minister responsible for European Affairs (2002). In 2004, he joined the European Commission, first as Shadow Commissioner for Enlargement and then as Commissioner responsible for Science and Research.

In 2010 Dr. Potočnik became Commissioner for Environment. His term ended on November 1<sup>st</sup>, 2014. In November 2014, he was appointed for a three-year term as a member and Co-Chair of the International Resource Panel which is hosted by United Nations Environment Programme (UNEP). In the same month, he was also appointed as a Chairman of The Forum for the Future of Agriculture and RISE Foundation and as a Member of the European Policy Centre's Advisory Council.

## ANIL MARKANDYA

---



**Professor Anil Markandya** has a Ph.D. from the London School of Economics and has worked in the field of resource and environmental economics for more than 30 years. He was a lead author for Chapters of the 3<sup>rd</sup> and 4<sup>th</sup> IPCC Assessment Reports on Climate Change (which were awarded a share of the Nobel Peace Prize in 2007) as well as for the 5<sup>th</sup> IPCC Report that has just been published. He has worked extensively as an advisor on climate change adaptation policies in Europe and in several developing countries.

In 2012, he was elected as President of the European Association of Environmental and Resource Economics. Anil Markandya is Director of the Basque Centre for Climate Change in the Basque Country, Spain and Honorary Professor of Economics at the University of Bath, UK.

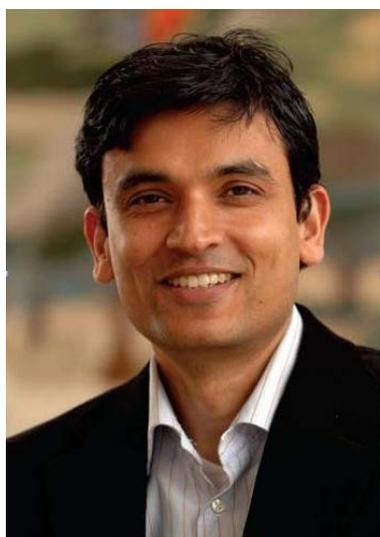
## SESSION 2

### SESSION CHAIR

---

### SHARDUL AGRAWALA

---



**Dr. Shardul Agrawala** is Head of the Environment and Economy Integration Division at the OECD Environment Directorate. In this capacity since 2013, Dr. Agrawala leads the Directorate's work on economic-environmental modelling, empirical analysis of environmental policies, trade and environment, and on resource productivity and waste. He is also Co-Chair of the Research Committee on Inclusiveness for the Green Growth Knowledge Platform (GGKP).

At the OECD since 2002, Dr. Agrawala has previously served as Senior Advisor to the OECD Secretary General, Co-ordinator of the OECD-wide initiative on New Approaches to Economic Challenges, Acting Head of the Climate Change Biodiversity and Development Division, and Senior Economist Climate Change.

Dr. Agrawala has published extensively on climate change. He has led teams of international experts as Coordinating Lead Author for chapters of the Fourth and Fifth Assessment Reports of the Intergovernmental Panel on Climate Change (IPCC). He has testified before the US Congress, contributed to the Stern Review, and served on advisory panels for the Pilot Program on Climate Resilience of the World Bank and the International Climate Initiative (ICI) of the German Government.

Dr. Agrawala received his Ph.D. from Princeton University and has previously held research positions at Princeton University, Harvard University, Columbia University and at the International Institute of Applied Systems Analysis (IIASA).

## SPEAKERS

---

### KOOKIE HABTEGABER

---



**Ms. Kookie Habtegaber** is a development economist. Her main focus has been on the interface between economic development, environmental risks and sustainable investment. Most recently, Ms. Habtegaber served as the global lead for WWF's green economy work. Before joining WWF, Ms. Habtegaber worked as a management consultant focusing on international trade and sustainable finance where she led and coordinated the launch of the Natural Capital Declaration - the flagship initiative by the Finance community to account for natural capital.

Ms. Habtegaber holds a MBA in Strategic Carbon Management and Climate Change from the University of East Anglia, a MSc in International Economics from University of Maastricht, and a diploma in management consultancy from the Institute of Consulting in the UK.

### BERND MEYER

---



**Prof. em. Dr. Bernd Meyer** is partner of GWS (the Institute of Economic Structures Research), an independent economic research and consultancy organisation established in 1996. He obtained his doctoral degree and his habilitation from the University of Münster and worked as a full professor at the University of Osnabrück where he held the Chair of Macroeconomic Theory from 1984 until 2011.

His main field of research is the development and application of sectorally deep disaggregated macro-econometric models, especially with regard to the interrelations of the economy and the environment.

As a distinguished expert on empirical mappings of the links between economic growth and environmental feedbacks, he has been chairing the Council of Advisers for Economic - Environmental Accounting at the German Environmental Ministry. At the German Economic Association (Verein für Socialpolitik), he was also chairman of the section working on evolutionary economics. Having been GWS's academic director since its foundation, he is now actively supporting GWS's research activities as a senior advisor. Most recently, he organised GWS's applications of the global dynamic simulation model GINFORS within the European Union's 7<sup>th</sup> Framework Programme. Interactive summaries of respective research results are (i.e.) available from the homepage of the POLFREE project (<http://www.polfree.eu/>).

## PETER BÖRKEY

---



**Mr. Peter Börkey** has been working on international and local environmental policy issues for more than 20 years. For the past 17 years he has worked for the OECD, primarily on issues relating to water, business and environment, as well as infrastructure finance. He is now leading OECD work on waste management and resource productivity, with a strong focus on resource efficiency and the circular economy.

Prior to this, Mr. Börkey has been leading OECD's cooperation with countries in Eastern Europe, Central Asia and the Caucasus in the area of water management, as well as leading work in the framework of the OECD Horizontal Water Programme focusing on the financing of water supply and sanitation in developing countries.

Before joining the OECD, Mr. Börkey worked as a consultant, specialised in environmental economics.

Mr. Börkey holds degrees in Economics and Engineering from the Technical University of Berlin and University of Grenoble in France.

## BING ZHU

---



**Dr. Bing Zhu** is Executive Deputy Director of the Institute of Circular Economy at Tsinghua University and Professor in the Department of Chemical Engineering of Tsinghua University, P.R. China. In addition, he is a Guest Research Scholar at Energy Program of International Institute for Applied Systems Analysis (IIASA), Austria.

Prof. Zhu is active in professional services such as Vice Chairman of Circular Economy Committee of Chinese Ecological Economics Society, Member of Technical Committee of Optimal Control of the International Federation of Automatic Control (IFAC). He is also a member of the advisory panel of the National Natural Sciences Foundation of China (NSFC), particularly on cooperation with international organisations.

His research interests include natural resource management, circular economy assessment, industrial ecology, and chemical and energy techno-economics. As Principle Investigator, Dr. Bing Zhu's researches have been funded by the Ministry of Science and Technology of P.R. China, the National Natural Science Foundation of China, the China Petroleum & Chemical Corporation, et al. Prof. Zhu graduated from Tsinghua University, Beijing, P.R. China, with Bachelor and Master Degrees in Engineering (Chemical Engineering) in 1990 and 1997 respectively, and received his Doctoral Degree in Engineering (Industrial Engineering and Management) in 2000 from Tokyo Institute of Technology, Japan.

## SESSION 3

### SESSION CHAIR

---

### ALAIN DE SERRES

---



**Mr. Alain de Serres** is currently Head of the Structural Policies Surveillance Division in the OECD Economics Department. In this capacity, he supervises the preparation and publication of the annual Going for Growth report, which provides the main policy priorities and recommendations for boosting growth in all OECD countries.

The main focus of his work is to examine how different institutional and policy settings – in particular in the areas of regulation and taxation – affect employment and productivity growth through their impact on trade, innovation and financial development. He has recently worked on the policy determinants of investment in knowledge-based capital.

Prior to that, Mr. de Serres has contributed to the development of a framework for the analysis of green growth policies as well as to the completion of an OECD Report on the economics of climate change mitigation. Part of this work has been published in journals such as *Economic Policy*, *European Economic Review*, *Environmental and Resource Economics* and the *Journal of Economic Geography*. Mr. de Serres is Canadian and before joining the OECD, he has worked many years at the Bank of Canada and at the Ministry of Finance in Ottawa.

## SPEAKERS

---

### ROB DELLINK

---



**Dr. Rob Dellink** is the Co-ordinator for Modelling and Outlooks at the Environment and Economy Integration Division of the OECD Environment Directorate. In this capacity, Dr. Dellink leads the Directorate's work on economic-environmental modelling and long-term outlooks. He joined the OECD in 2009 and has been working on long-term environmental-economic projections, not least the future costs of climate change mitigation and adaptation policies. He was also a lead author of several chapters of the OECD Environmental Outlook to 2050.

Dr. Dellink currently co-ordinates the modelling work on the CIRCLE project, which aims to assess the costs of inaction on climate change, air pollution, and the land-water-energy nexus. Before joining the OECD, Dr. Dellink worked as a senior researcher and lecturer at the VU University Amsterdam and Wageningen University, both in the Netherlands. He published extensively on a wide range on environmental-economic topics. He holds a Ph.D. in economics from VU University Amsterdam and a Masters in econometrics from Tilburg University (The Netherlands).

### TIMUR GÜL

---



**Dr. Timur Gül** is a senior energy analyst at the Directorate for Global Energy Economics at the International Energy Agency (IEA) in Paris, France. He joined the IEA in 2009. Dr. Gül coordinates the energy end-use modelling work for the IEA's flagship publication, the World Energy Outlook (WEO) and is co-lead of the most recent WEO special reports on energy & climate change and energy & air pollution. He also writes about other topics, including oil demand, renewable energies and energy efficiency. Before his time at the IEA, Timur Gül was a researcher at Paul Scherrer Institute in Switzerland.

Dr. Gül holds a Ph.D. from the Swiss Federal Institutes of Technology (ETH) Zurich in Switzerland. In addition, he holds a Master degree in Environmental Engineering from the Royal Institute of Technology (KTH) Stockholm, Sweden, and a Diploma in Environmental Engineering from Stuttgart University, Germany.

## EMILIO LÈBRE LA ROVERE

---



**Dr. Emilio Lèbre La Rovere** is a full Professor of the Energy Planning Program, Coordinator of the Environmental Sciences Laboratory (LIMA) and of the Center for Integrated Studies on Climate Change and the Environment (CENTROCLIMA) at COPPE/UFRJ – Institute for Research and Graduate Studies of Engineering, Federal University of Rio de Janeiro, Brazil.

Dr. La Rovere graduated in Electrical Engineering, specialisation in Systems and Industrial Engineering, by the Catholic University of Rio de Janeiro, Brazil (1975), and in Economics, by the Federal University of Rio de Janeiro (1976). He holds a M.Sc. in Systems Engineering from COPPE/UFRJ (1977) and a Ph.D. in Economics from the School of High Studies in Social Sciences, University of Paris, France (1980).

Dr. La Rovere worked in the Energy Department of FINEP (Agency for Financing Studies, Research and Development Projects of the Brazilian Federal Government) from 1975 to 1988, and as consultant of national and international bodies including assignments to different countries of Latin America, Africa and Asia. His main fields of expertise include research, consultancy, publications and lecturing, including Energy and Environmental Planning, Sustainable Development and Climate Change. Co-Author of several IPCC reports, he has contributed since 1992 to the award of 50% of the Nobel Peace Prize to the IPCC in 2007.

## SIR DAVID KING

---



**Professor Sir David King** serves as the UK Foreign Secretary's Special Representative for Climate Change since September 2013. Sir David was previously the Government's Chief Scientific Advisor from 2000 – 2007, during which time he raised awareness of the need for governments to act on climate change and was instrumental in creating the Energy Technologies Institute. He also served as the Founding Director of the Smith School of Enterprise and Environment at Oxford, 2008 – 2012. Some of his other appointments have included the Chair of Future Cities Catapult, Chancellor of the University of Liverpool, Senior Scientific Advisor to UBS, and Adviser to President Kagame of Rwanda.

His discipline is in physical chemistry working in surface science and catalysis. He has published over 500 papers on surface science and heterogeneous catalysis, and on science and policy, for which he has received many awards and medals. He has received 23 Honorary Degrees from universities around the world.

He was elected Fellow of the Royal Society in 1991, Foreign Fellow of the American Academy of Arts and Sciences in 2002. Sir David was knighted in 2003 for his work in science, and received the award of "Officier dans l'ordre national de la Légion d'Honneur" from the French President in 2009.

## SESSION 4

### SESSION CHAIR

---

### ANTOINE DECHEZLEPRETRE

---



**Dr. Antoine Dechezleprêtre** is an Associate Professorial Research Fellow and Head of the Energy, Technology and Trade research programme at the Grantham Research Institute on Climate Change and the Environment, London School of Economics. His work deals principally with the impact of environmental and climate change policies on businesses, in particular on the development and the international diffusion of clean technologies.

Dr. Dechezleprêtre's research has been published in international scientific journals in the field of applied microeconomics, environmental economics and energy economics. He has worked as an external consultant for the OECD Environment Directorate, the UK Climate Change Committee, the French Environment Protection Agency (ADEME), ICTSD and the European Patent Office. He holds a Ph.D. in economics from Ecole des Mines de Paris (France).

## SPEAKERS

---

### TOMASZ KOZLUK

---



**Dr. Tomasz Koźluk** is a Senior Economist at the OECD. He joined the OECD Economics Department in 2007, and worked on issues related to competition, market regulation, fiscal policies, environmental policies, green growth as well as transport, infrastructure investment and public private partnerships. He has (co-) authored papers and survey chapters related to green growth and structural policies. He currently leads work on measurement of environmental policies and empirical links of environmental policies to economic outcomes.

Dr. Koźluk holds a Ph.D. in Economics from the European University Institute in Florence, Italy.

### SHARLIN HEMRAJ

---



**Ms. Sharlin Hemraj** is the Director for Environmental and Fuel Taxes within the Tax and Financial Sector Policy Division of the National Treasury in South Africa. She joined the department in 2004 and assisted with the development of the Environmental Fiscal Reform Policy Paper which provides the framework for considering environmental taxes in South Africa.

Ms. Hemraj also worked within the Public Finance Division of the National Treasury on environmental economics and finance policy from 2012 to 2015. She has completed a Master's Degree in Environmental Economics. Recent responsibilities include the carbon tax policy development and involvement in the World Bank Partnership for Market Readiness initiative focusing on developing carbon pricing policies.

## SHIJI GAO

---



**Dr. Shi-Ji Gao** is Director-General and Research Fellow at the Institute for Resources and Environmental Policies, Development Research Center (DRC) of the State Council, Beijing, P.R. China. Dr. Gao received a B.Sc. in Mathematics from the National University of Defense Technology, P.R. China in 1986 and obtained a Ph.D. in System Management from the City University of London, UK in 1992. He was a post-doctoral research fellow at Sussex University, UK (1992-1995).

In 1996, Dr. Gao joined the Institute of Economic System and Management of the National Development and Reform Commission (formerly the Institute of Economic System and Management of the State Economic Reform Commission), and moved to DRC in December 2004. At DRC, he first served as Deputy Director-General of Development of Development Strategy and Regional Economy, and since April 2013 as Director-General of DRC's Information Center.

Dr. Gao's research interests include comparative institutional analysis, institutional development for ecological civilisation, environmental regulation and governance, public policies for the information and communications technology (ICT) sector, as well as innovation policy and national innovation system. He has been a member of the Advisory Committee for State Informatisation since 2002. He is also an Adjunct Professor, School of Social Development and Public Policy, Beijing Normal University.

## RAFAEL CAYUELA

---



**Mr. Rafael Cayuela** is member of the Dow Corporate Strategy Team, reporting to the Corporate Vice President Strategy Development and New Business Development, and Secretary to Office of Chairman and CEO. In his role, Mr. Cayuela provides guidance to Dow's global macroeconomic outlook and to the Enterprise Risk Management Process. Additionally, he provides insight into the major disruptive trends impacting our society and the chemical industry, assessing their potential impact into the corporation.

Mr. Cayuela is also the author of the book "the Future of the Chemical Industry by 2050", published by Wiley VCH in May 2013. He holds a Master degree in European Economics from the College of Europe, Brugge, Belgium and an Executive MBA from the University of Chicago USA. Mr. Cayuela is currently based at Dow European Headquarters, in Horgen, Zurich, Switzerland.

## SESSION 5: WRAP-UP SESSION

### SESSION CHAIR

---

### SIMON UPTON

---



**Mr. Simon Upton** is the Environment Director at the Organisation for Economic Cooperation & Development (OECD). The Environment Directorate is responsible for *Environmental Performance Reviews* of Member Countries, the economic analysis of policy instruments used to improve environmental outcomes and a wide range of work related to water, biodiversity, climate and chemicals. He has played a key role in the development of the OECD's *Green Growth Strategy*. 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.

He established and chaired the Round Table on Sustainable Development at the OECD in 1998 and took over his current role as Environment Director in 2010. Mr. Upton is a member of the China Council for International Cooperation on Environment & Development (CCICED).

## SPEAKERS

---

### GIUSEPPE NICOLETTI

---



**Dr. Giuseppe Nicoletti** is Head of the Structural Policy Analysis Division in the OECD Economics Department. He holds a Ph.D. in Economics from New York University, and has been heading since 2004 the Structural Policy Analysis Division at the OECD Economics Department in Paris, where he is in charge of cross-country structural studies presented at the Working Party No. 1 of the OECD Economic Policy Committee, including prospective studies drawing long-term growth scenarios for the world economy.

Since 2008, he has also been in charge of work on the economics of climate change mitigation and responsible for green growth related work within the OECD Economics Department.

In this context, Dr. Nicoletti led numerous studies comparing public policies across countries in various areas (including product and labour markets, taxation, infrastructure investment, innovation and the environment) and relating these policies to comparative performances of both OECD and emerging economies.

### RUSSEL MILLS

---



**Mr. Russel Mills** is the Global Director of Energy & Climate Change Policy for The Dow Chemical Company. Additionally, Mr. Mills holds the position as Vice President International Government Affairs.

Most of his career has been spent in market development, technology exploitation and global business management. He has also gained experience in consolidating acquisitions, setting up new businesses and managing Joint Venture operations. He is a physics graduate of Oxford University.

Mr. Mills has been working in the chemical and related industries for over 35 years. Regular job moves have taken him to the USA, UK and The Netherlands and on several occasions to Belgium and Switzerland. He has worked in energy policy for over 15 years and prior to that, job assignments included the Global Business Director role for the Cargill Dow bio-polymers joint venture, a secondment to the European chemical industry association, and leading the development of technology cooperation and government Public Private Partnership strategies for Dow in Europe.

Mr. Mills currently co-chairs the ICCA Energy Leadership Group, is chair of the BIAC (Business Industry Advisory Committee to the OECD) Environment & Energy Committee, sits on the CEFIC (The European Chemical Industry Council) Energy Program Council and leads a number of key initiatives for the company in the areas of energy, climate and circular economy.

## THI DIEU TRINH NGUYEN

---



**Ms. Thi Dieu Trinh Nguyen** has been Senior Official at Vietnam's Ministry of Planning and Investment for the last 14 years.

Ms. Nguyen holds a Master Degree in Environmental Economics Management and she is currently a Ph.D. student on green growth at subnational level at Hanoi Economics University. Her current work contributes to promoting the formulation and implementation of Vietnam Green Growth Strategy and Action Plan at all levels.

Ms. Nguyen is a key member of the Climate Finance Task force and chief Assistant to National Designated Agency focal point for Green Climate Fund. She is also one of key government members to the Climate Public Expenditure and Investment Review (CPEIR) and to the planning process where environment and climate change issues are taken into account for sustainable socio-economic development strategies/plans.

Ms. Nguyen is also active in UNFCCC negotiations, as well as a member of the Vietnamese delegation to COPs, focusing on climate finance issues and working with development partners across the globe for international knowledge transfer, experience sharing and policy updates at all levels. Her daily job is either doing research or integrating research results into planning and contributing to the environmental friendly investment policy making process. Within LEDS forum, she is currently serving as the co-chair of the Financial Working Group at the Global Partnership Forum and assistant to co-chair of the Asian LEDS Forum Steering Committee.

## CHRISTOPHE POUPARD

---



**Mr. Christophe Poupard** is Head of the Division for the Economics of Natural Resources and Risks, Ministry of Environment, Energy and the Sea, France. He is currently in charge of a team of 23 dedicated to developing economic instruments for environmental policies and for environmental assessment of public policies. Current works of the team include impact of the carbon tax on household expenses, impact of pay-as-you-throw schemes in French municipalities, monetary value of ecosystem services in France, cost-benefit methodology for investments to reduce flooding risks, carbon emission abatement cost curve (MAC) for French sectors and others.

Mr. Poupard is a delegate to OECD's environmental policy committee (EPOC) and a delegate to the Steering Committee of UNEP's International Resources Panel. Previously, he worked for the National Forestry Agency ("Office national des forêts") and the Ministry of Agriculture.

## RAFAEL MONGE

---



**Mr. Rafael Monge** has a Licentiate Degree in Economics from the University of Costa Rica. Currently, he is part of the team in charge of the accession of Costa Rica to the OECD and the creation of an Environmental Economy Unit in the Ministry of Environment of his country. He represents the Minister of Environment as President of the Costa Rica Carbon Board.

Mr. Monge has experience in climate change, green growth and water resources management. As such, he participated in developing the water and forests environmental accounts of Costa Rica as part of the "Wealth Accounting and Valuation of Ecosystem Services" initiative. Mr. Monge was part of the Costa Rican delegation in the past Conference of Parties on Climate Change in Paris (COP21) where he followed the negotiations in capacity building and technology transfer.

## STEPHEN WHITE

---



**Mr. Stephen White** is an economist working in the Unit for Green Finance and Economic Analysis at the Directorate General for Environment of the European Commission. He has a first degree in Economics from the University of Edinburgh, and a Masters in Environmental and Resource Economics from University College London.

Mr. White first worked as an economist for the UK Civil Service on housing issues, securitisation of debt, forecasting higher education expenditure and then on water issues, including the setting of tariffs. In 2001, he was one of the authors of the first guidelines on how to do Impact Assessment at the European Commission.

Mr. White currently co-ordinates *Better Regulation activities of environmental policy*: meaning ex-post evaluations and ex-ante Impact Assessments as part of the European Commission's ambitious approach. This requires assessment of the links between the environment and the economy (and social issues), preferably in a quantified or monetised way.

Examples of work that he is currently involved in are: cumulative costs assessments, monetisation of health impacts, assessments of regulatory burdens, and managing the big step up that is happening in evaluation practices and the systematic assessment of effectiveness, efficiency, coherence, relevance and EU value-added of policies.