



Inaugural Meeting of the San Giorgio Group: Expanding Green, Low-Emissions Finance

16-17 October, 2011
Island of San Giorgio Maggiore, Venice

Speaker Profiles



Mahua ACHARYA
Chief Strategy Officer, Emergent Ventures India

Mahua leads commercialization and other strategic initiatives for EVI. She has extensive experience in carbon markets and renewable energy. Prior to EVI, Mahua was with ArcelorMittal in London where she managed their low carbon investment business - a carbon fund initially capitalised at Euro 100M. Prior to that, she was with the World Bank in Washington D.C., where she managed carbon finance transactions for the South Asia region. She also co-designed and structured the Carbon Partnership Facility, a fund that purchases carbon credits beyond 2012, now capitalized and operational. She started her career with the World Business Council for Sustainable Development and led the development of the Greenhouse Gas Protocol, today a de-facto industry standard for the accounting of company and project emissions. She has worked on one of the earliest CDM projects in the world. Mahua has wide experience in speaking at conferences focusing on renewable energy and climate change domestically and at the international level. She is also on the Executive Board of Indian School of Business Centre for Emerging Markets Solutions. Mahua has a Masters degree from the Yale University.



Juliano ASSUNÇÃO
Director, Climate Policy Initiative Rio and Professor, Pontificia Universidade Católica do Rio de Janeiro

Juliano J. Assunção, the director of CPI's Rio Office, is a professor in the Department of Economics at the Pontifícia Universidade Católica do Rio de Janeiro (PUC-Rio). Juliano's research focuses on different aspects of development economics, including agricultural economics, institutions, and financial intermediation. He is a member of the Consortium on Financial Systems and Poverty and also works as a consultant for many firms, governments, and multi-lateral organizations. Juliano has been collaborating with CPI since 2010.



Jacob ATZEN
Sales Manager, Siemens Wind Power A/S

Jacob Atzen is 44 years old and married with two children and holds a M.Sc. (Business Econ) from Aarhus University. Since 1995 he has primarily worked with project & business development in international markets. His work and employment has been with large Danish industrial companies involving strategy development, business concepts and sales. He has been with Siemens Wind Power A/S in offshore sales as Sales Manager since the beginning of 2011 where development of strategic partners is part of his work scope.



Gerrit-Jan BRUNINK
Senior Investment Manager Energy & Climate
Triodos Investment Management B.V.

Gerrit-Jan Brunink (1965) joined Triodos in January 2007, where he works for the Ampere Equity Fund, a EUR 320 million investment fund that invests equity in medium to large scale renewable energy generation projects in Western Europe. He was first active in the set up of a Global Renewable Energy fund under a mandate of the European Commission. In parallel, Gerrit-Jan was involved in Triodos Bank's investment activities in renewable energy in developing countries and served as board member and investment committee member of investee companies with a renewable energy focus (Clean Energy Development Bank in Nepal) and CAREC (a regional clean energy investment fund in Costa Rica). Prior to joining Triodos, Gerrit-Jan has worked for the Dutch Development Bank (FMO) as a Senior Investment Officer in Africa and Asia, where he was engaged in infrastructure and a teamleader for selected energy projects. Gerrit-Jan was also FMO's first chairman of the sector group power and served as investment committee member for FMO's power sector projects. In his last position at FMO, Gerrit-Jan acted as Fund Manager of the EUR 200 million Least Developed Countries Infrastructure Fund. Gerrit-Jan Brunink started his career at ABN-AMRO Bank, where he managed a portfolio of the bank's Global Clients. He is educated as an Economist with a specialization in marketing (Michigan State) at Erasmus University Rotterdam.



Barbara BUCHNER
Director, Climate Policy Initiative Venice

Barbara Buchner is Director of the Climate Policy Initiative's Venice office. CPI Venice focuses specifically on international climate finance to address the question of whether it is adequate and productive. Until 2009, she was Senior Energy and Environment Analyst at the International Energy Agency of Paris (IEA), where she focused on the qualitative and quantitative analysis of market-based mechanisms and of other policy approaches to greenhouse gas mitigation, with the objective of identifying the consequences of various energy and climate policies. The analysis of the EU ETS was one of her main areas of research. Part of her work involved studying the role of carbon finance as a driver for investment in more efficient low-emissions technologies. Before, as Senior Researcher at the Fondazione Eni Enrico Mattei (FEEM) of Venice, she was involved in a number of activities related to FEEM's Climate Change Policy and Modelling Unit, in the field of environmental economics. She also was a visiting scholar at the Massachusetts Institute of Technology (MIT) in the Global Change & Center for Energy and Environmental Policy Research (CEEPR). Barbara is the Vice President of the European Association of Environmental and Resource Economists and serves on the Mitigation Board of the Global Network for Climate Solutions (GNCS), which is hosted at the Earth Institute, Columbia University, coordinated by the Columbia Climate Center. She also serves on the Advisory Board of the Barilla Center for Food & Nutrition (BCFN). Barbara is Austrian Citizen and holds a Ph.D. in Economics, University of Graz, and a Masters Degree in Economics within the Economics/Environmental Sciences Joint Program, University of Graz and University of Technology of Graz. Her main activities and responsibilities have so far included: research in the economics and policy of climate change, project management and development, organization and coordination of international workshops, participation in and presentations at international conferences and workshops. She has published a number of articles in peer-reviewed journals as well as in books, and is contributing author of a recent book on "Pricing Carbon. The European Emissions Trading System" (Cambridge University Press) and co-editor of a book on "Allocation in the European Emissions Trading Scheme" (Cambridge University Press).



Chris CANAVAN

Director of Global Policy Development, Soros Fund Management, LLC

Chris Canavan is Director, Global Policy Development, at Soros Fund Management, LLC. He joined Soros in July 2010, where he works on a variety of policy-related projects for the principals of the fund. Before that Chris worked for Goldman Sachs, serving in several capacities during his 13 years at the firm, including Chief Risk Officer of Goldman Sachs Bank USA, credit trader in the commodities business, head of the Latin America Debt Capital Markets team, and head of the Latin America sovereign and credit risk management team. Chris has also been a professor of economics at Boston College. He received a Ph.D. in Economics and an M.I.A. in International Affairs from Columbia University. He received his B.A. from Oberlin College, where he is now a member of the President's Advisory Council. He is a weekly columnist for El Diario / La Prensa, New York's largest Spanish-speaking daily newspaper. Chris also serves on the board of the Fund for Global Human Rights (www.globalhumanrights.org) and the advisory board of the Munk School of Global Affairs at the University of Toronto (www.globalaffairs.utoronto.ca). He is equally fluent in English and Spanish, having spent many years in Latin America and Spain.



Kenneth CHOMITZ

Senior Advisor, Independent Evaluation Group at the World Bank

Kenneth Chomitz is a Senior Advisor in the World Bank's Independent Evaluation Group, where he is leading a series of evaluations of the Bank's climate change activities. Previously he was with the Bank's Development Research Group. Chomitz's work has focused on environmental economics, and particularly on climate change and biodiversity. His forthcoming report: *Climate Change and the World Bank Group: The Challenge of Low Carbon Development*, assesses the effectiveness of the Bank Group in promoting greenhouse gas mitigation. His book, *At Loggerheads? Agricultural Expansion, Poverty Reduction and Environment in the Tropical Forests*, was called "far and away the best available treatment of the globally critical issue of tropical forest conservation" by *Conservation Biology*. He was a coauthor of the Bank's *World Development Report 2003: Sustainable Development in a Dynamic World*. He has developed tools for modeling deforestation and worked on economic instruments for forest conservation. Chomitz holds a degree in mathematics from the Massachusetts Institute of Technology and a PhD in Economics from the University of California, Irvine. Prior to joining the World Bank, he was a National Research Council Fellow; Assistant Professor of Economics at Boston University; and Senior Advisor with the Development Studies Project, a policy research institute associated with the Indonesian National Development Planning Board.



Andrew DEUTZ

Director, International Government Relations Department, The Nature Conservancy

Dr. Andrew Deutz is a leading expert in international environmental law, policy and negotiations, as well as international conservation and development. Dr. Deutz directs international government relations at The Nature Conservancy, overseeing the organization's international policy work on topics including biodiversity conservation, climate change, marine and freshwater issues, as well as overseeing relationships with international organizations, multilateral development banks and US government agencies that work internationally. Prior to joining TNC in 2006, he served in several leadership roles with the World Conservation Union (IUCN) including: Special Advisor for Global Policy, directing IUCN's engagement with international institutions; Director of IUCN's Canada Office, with responsibility for political, constituency and fundraising relations in Canada; and as Coordinator of IUCN's Temperate and Boreal Forest Programme, establishing IUCN's forest conservation programs in Russia, China and Canada. Dr. Deutz has also served as the Lead Forest Negotiator for the US State Department and as Forest Policy Advisor to the World Bank. From 1994 to 1997, he was a Research Associate at the Woods Hole Research Center, working on the Kyoto Protocol negotiations, as well as international forest policy and the Biodiversity Convention. He holds a doctorate in International Environmental Law from the Fletcher School of Law and Diplomacy.



Bruce DUGUID

Senior Advisor to UK Government on Green Investment Bank Advisor,
Department for Business, Innovation & Skills

Bruce joined BIS from the Carbon Trust, where he worked for 3 years as Head of Investor Engagement. In this role he developed state-of-the-art frameworks by which investors can gauge the impact of climate change on their investments. He was the author of the publication: Climate Change – a Business Revolution and Airlines and cap and trade – fasten your seat belt. He was also on the Steering Committee for the publication by Mercer of the report Climate Change Scenarios – Implications for Strategic Asset Allocation. Prior to joining The Carbon Trust, Bruce worked in corporate strategy, with roles including Head of Strategy at Visa Europe, as well as working as a management consultant at Boston Consulting Group. Bruce is also a qualified corporate lawyer, having started his early career at City law firm Simmons & Simmons where he specialised in corporate finance and mergers and acquisitions work. Bruce has a first class degree in Natural Sciences (Organic Chemistry) from Cambridge University and has always had a passion for aligning the interests of business and economic growth with the environment.



Jane EBINGER

Program Manager for Climate Change, Environment Department, World Bank

Jane Ebinger joined the World Bank's Environment Department as the Program Manager for Climate Change in February 2011, leading a team that supports climate policy and knowledge exchange across the World Bank and externally supports the Office of the Special Envoy for Climate Change. Jane was previously assigned to the Energy Sector Management Assistance Program (ESMAP) as Thematic Coordinator for Energy and Climate Change and the Europe and Central Asia region's energy team. She has over 22 years of experience working at the World Bank and in the energy sector in the oil and gas industry (for BP and BHP Billiton). She has worked in project, operational and corporate/policy roles on issues including environment assessment and management, safety risk assessment, oil spill and emergency response management, climate change adaptation and mitigation, and carbon finance. Jane has an MA Mathematics and an MSc Mathematical Modelling and Numerical Analysis, both from Oxford University, UK.



Leif K. ERVIK

Director General, Ministry of Finance, Norway

Leif K Ervik is Director General in the Ministry of Finance. Mainly his principal responsibilities include international negotiations dealing with environment and energy. He has many years in diplomatic work as leader of multinational negotiations of the first East-West treaty on energy investment, energy efficiency, trade and transit. He was also the former Director General of the Norwegian Ministry of Finance with responsibility for the energy sector, and a Director at the Norwegian Petroleum Directorate. Leif Ervik graduated with public and international law in 1970 and cand oecon (economics) in 1972 from the University of Oslo. He has been Professor II at Bergen Business School (Norway) and Adjunct Associate Professor at Dartmouth College (USA). In late 70s he was Chief Scientist at Christian Michelsens Institute. He has over 50 publications to date, and is married with three children and 6 grandchildren.



Ghita HANNANE

Consultant, United Nations Environment Programme

Ghita Hannane is a consultant for the United Nations Environment Programme, within the Sustainable Energy Finance Unit since 2009. Her responsibilities include tailoring and implementing financial mechanisms targeting end-users in the Mediterranean and Balkan regions, converging environmental and financing issues. Her tasks consist also of identifying and adapting risk mitigation and assessment tools to local markets. Before joining UNEP, Ms. Hannane worked as a Middle Officer at Alienor Capital, an Assets management firm, where she insured the process compliance with guidelines of AMF, French financial market's regulatory body. Ghita Hannane holds a Master degree with a major in corporate finance from INSEEC Business School of Bordeaux, France, and a Master in Sciences in Auditing, Management accounting, and Information systems from SKEMA Business School, France.



Jochen HARNISCH

Climate Change Policy Coordinator, KfW Development Bank

Dr. Jochen Harnisch is head of division for the competence centre environment and climate at KfW German Development Bank and its coordinator climate change policy. He has a degree of atmospheric physics from the University of Göttingen and worked as Post-doctoral Fellow at the Massachusetts Institute of Technology (MIT) on climate policy assessments. Before joining KfW he worked as manager energy and climate strategy at consultancy Ecofys. He has spent much of his professional career on the design and assessment of climate policies for the public sector and civil society and the implementation of climate strategies in the corporate sector. He teaches "Energy & Climate Policy" at the University of Applied Sciences in Deggendorf. He has been member of working group 3 on mitigation of the Intergovernmental Panel on Climate Change (IPCC) since 1999 and is coordinating lead author on "Investment and Financing" for the Fifth Assessment Report of the IPCC.



Thoma HELLER

Executive Director, Climate Policy Initiative

An expert in law, economic development, and the performance of legal institutions, Thomas C. Heller has focused his research on the rule of law, international climate control, global energy use, and the interaction of government and nongovernmental organizations in establishing legal structures in the developing world. Since 1979, Heller has been a professor at Stanford University, where he has served as the Shelton Professor of International Legal Studies, Senior Fellow at the Stanford Freeman Spogli Institute for International Studies, and Senior Fellow at the Woods Institute for the Environment. Since 1991, Heller has been increasingly engaged in research and applied policy studies in energy and climate, with a principal concern with developments in China, India, Mexico, Brazil, Indonesia, and other leading emerging markets. He has been a contributing lead author for the IPCC on the Third and Fourth Assessment Reports, as well as a contributor to the Special Reports on Technology Transfer and Emissions Scenarios. From 2008-2010, Heller was also a core team member directing Project Catalyst² an analysis based project in support of the Copenhagen Climate process. From September 2009, he has served as Executive Director of a new non-governmental organization, Climate Policy Initiative (CPI), based in San Francisco and with offices in Europe, Asia, and Latin America. CPI will assess, evaluate, and support governments and private firms on the implementation of national low-carbon growth plans and measures, paying particular attention to the fit between regulatory and public expenditure policies, infrastructure financing, and industrial organization in the key sectors relevant to energy, land use, and climate change. Since March 2010, Professor Heller has also acted as the Vice-Chair of the Governing Board of the Global Green Growth Institute, with headquarters in Seoul, Korea.



Thomas KERR

Director, Climate change Initiatives, World Economic Forum, Geneva

Tom Kerr manages the Forum's climate and green growth initiatives, including working to leverage private capital to large-scale clean energy project investments in emerging economies. Mr. Kerr has worked for 18 years designing and implementing successful public/private efforts to improve efficiency and reduce the environmental impact of industry through the adoption of low carbon energy technologies and practices. From 2006-2010, Thomas led the International Energy Agency's (IEA) work on clean energy technology roadmaps, technology innovation, and energy technology policy inputs to the IEA Energy Technology Perspectives publication. He also served to coordinate the IEA's input into multilateral processes, including the G8/G20, Major Economies Forum/Clean Energy Ministerial, and United Nations climate change process. Prior to this, Mr. Kerr was the chief of the Energy Supply and Industry Branch of the U.S. Environmental Protection Agency (EPA), where he established and implemented voluntary programs such as Energy Star and others to promote energy efficiency, renewable energy, combined heat and power and proactive corporate climate change strategies.



Christopher KNOWLES

Head of Climate Change and Environment Division, European Investment Bank

Christopher Knowles joined EIB in 1982 and has held a number of positions inside and outside Europe. Since January 2006 he has been part of a new initiative by EIB to reinforce its activity in sectors of high policy priority for the EU and in which the EIB seeks to develop innovative approaches. In this capacity he has a pan-European responsibility for a diverse portfolio of activities, which includes equity funds for infrastructure and clean energy, carbon finance, CCS, and structured lending in the energy and environmental sectors. From 2000 to 2005 he led the lending operations team responsible for EIB's financing in the transport and infrastructure sectors in Spain, closing €4-5 000 million of financing annually for Europe's largest national infrastructure programme, much of it in PPP form. He spent the 1990s doing broadly similar jobs throughout the Central European region, Finland and Greece and the 1980s in the African and Caribbean regions. Prior to EIB he worked for the Lesotho National Development Corporation, the European Commission and Lazard Brothers. He has degrees in Economics and Management from the University of Durham.



Caio KOCH-WESER
Vice Chairman, Deutsche Bank Group

Mr Caio Koch-Weser is Vice Chairman of Deutsche Bank Group (since 2006) with global responsibilities for strategy; government, regulatory and corporate advisory; and co-ordination and implementation of group-wide business initiatives. He was appointed as German Deputy Minister of Finance (State Secretary) in 1999, a position he held until 2005. His responsibilities included international finance (G-7 Deputy), European economic and financial affairs, as well as capital markets, banking and insurance. From 2003-2005, Mr. Koch-Weser held the position of Chairman of the EU's Economic and Financial Committee, a committee of treasury directors and deputy central bankers that prepares EU ministerial meetings (EURO Group and ECOFIN). He was also Chairman of the Supervisory Board of German Banking and Securities Supervisory Agency (BaFin). From 1973 until 1999, Mr. Koch-Weser held a number of high-level positions in the World Bank in Washington, notably as Division Chief for the China Program (1980-86), Director for West Africa (1986-1990), Deputy Treasurer and Director Treasury Operations (1990-91), Regional Vice President for Middle East and North Africa (1991-95), and Managing Director Operations and Member of the Executive Committee (1996-1999). Other current activities include being a Non-Executive Director on the Board of BG Group; a Trustee and member of the Executive Committee of the Peterson Institute of International Economics (PIIE) in Washington; a Board Member at the ECF (European Climate Foundation) and a Member of the Board of CER (Centre for European Reform) in London; a Member of the Board of TERI (The Energy and Resources Institute) in India. He also is Adjunct Professor at the Guanghua School of Management at Beijing University. Former activities include: Board Member of the World Economic Forum (WEF) in Switzerland; Board Member of BRUEGEL in Brussels, and a member of the 2010 High Level Advisory Group on Climate Change Finance assembled by the UN Secretary General. Mr Koch-Weser studied economics in Germany. He is a German and Brazilian national, born in Brazil. He is married with three children.



Michael LIEBREICH
Chief Executive Officer, Bloomberg New Energy Finance

Michael Liebreich is the head of Bloomberg New Energy Finance, the leading provider of information and research to senior investors, executives and policy-makers in clean energy and the carbon markets. Bloomberg New Energy Finance has over 140 staff working out of 11 offices around the world. Michael founded the company in 2004 and acted as Chairman and Chief Executive until its acquisition by Bloomberg at the end of 2009. Michael serves as a Member of the World Economic Forum's Global Agenda Council on New Energy Architecture and is on the Selection Committee for the Zayed Future Energy Prize. Prior to founding New Energy Finance Michael was an entrepreneur, venture capitalist (with Groupe Arnault), and executive, helping to build around 25 successful companies. In the 1990s he acted as Deputy Managing Director of Associated Press Television, Founding Director of Sports News Television and non-executive director of Interactive Investor. He also spent five years in the London office of McKinsey & Company. He is a two-time finalist in the Ernst & Young Entrepreneur of the Year Awards. Michael has an MA in Engineering from the University of Cambridge and an MBA from Harvard, where he was a Harkness Fellow and Baker Scholar. He was a member of the British Ski Team at the 1992 Albertville Olympic Games and is Chairman of St Marks Hospital Foundation, a medical charity.



John E. MORTON

Vice President for Investment Policy, Overseas Private Investment Corporation

John E. Morton brings over fifteen years of experience in emerging markets, and environmental and economic policy. Prior to joining OPIC, John Morton was Managing Director of the Pew Economic Policy Group at The Pew Charitable Trusts. The Economic Policy Group focused on developing and promoting solutions to issues such as the growing U.S. deficit, the changing regulatory system in financial markets, and trends in economic mobility in the American middle class. Prior to joining Pew, Mr. Morton served as director of National Security Policy for the John Kerry presidential campaign, where he coordinated the development of policy concerning Afghanistan, Russia and the former Soviet states, Africa, and on issues relating to democracy, human rights and economic development. Previously, Mr. Morton was an investment officer with Global Environment Fund, where he oversaw global investments in sustainable forestry and the natural gas sector and developed the firm's clean-energy practice. Mr. Morton also worked as a strategy consultant with Mercer Management Consulting. He began his professional career at the World Bank, where he managed investments in the former Soviet Union. Mr. Morton received an M.B.A. from the Wharton School at the University of Pennsylvania and an M.A. in International Economics from the Johns Hopkins School for Advanced International Studies. He graduated from Harvard College with a B.A. in Russian History and Literature. Mr. Morton has served on the boards of directors and executive committee of the National Security Network, and the Clean Energy Network. He is a fellow of the Aspen Institute's Cato environmental leaders program and the U.S.-Japan Leadership Program.



Justin MUNDY

Director, The Prince's Charities' International Sustainability Unit

Justin Mundy has thirty years experience of working on climate change, environment and energy issues and has done so within the public, multilateral and private sectors. He is currently Director of The Prince's Charities' International Sustainability Unit (ISU) which has been set up to reflect His Royal Highness The Prince of Wales's vision and aims in the area of sustainable development. The ISU encompasses The Prince's Rainforests Project of which Justin has been Director since its inception in October 2007. From 2006 - 2008 Justin was a Managing Director of Climate Change Capital, responsible for Strategic Development and previously Senior Adviser to Deutsche Bank's Global Markets Group with responsibility for Climate Change issues and was also a Director of Aon carbon. He is a founder of ForestRe, a specialist forestry insurance company. From 2002 - 2007 he was an Adviser to the UK Government on Russia, Energy and Climate issues and during 2005 was the principal architect of the Clean Energy Investment Framework under the Gleneagles Action Plan. From 2003 to 2007 he was a member of the UK Government's Sustainable Energy Policy Advisory Board. During the UNFCCC COP6 (bis) and COP7 he was appointed Adviser to the European Commission on EU - Russia coordination. Between 1992 - 1998 he ran the World Bank's forestry and biodiversity programmes in Russia and Central Asia, was the Bank's Environment Adviser for the region's oil and gas sector and sat on the Senior Governmental Advisers' Committee for the Ministerial Environment for Europe Process. Before joining the World Bank, he worked extensively on environmental, forestry programmes and conflict resolution programmes in Asia, South America, Africa and Eastern Europe.



David NELSON

Senior Director of Research and Programs, Climate Policy Initiative

As Senior Director of Research and Programs, David manages CPI's research across all of the global offices. Before joining CPI, David worked as an investor and strategic advisor to energy and utilities companies and their regulators in Europe, Asia, North America, South America and Australia for more than 20 years. Most recently, David was senior vice president and global sector leader for Energy, Utilities, and Commodities at AllianceBernstein, where he managed research for the Bernstein Value portfolio and the commodity hedge fund. He also led the Global Energy research team and was the analyst covering global utilities (ex-North America). Prior to working at Bernstein, David was a strategy consultant at the Boston Consulting Group, and before that at Arthur D. Little. He started his consulting career at the economics consultancy Putnam, Hayes and Bartlett. Throughout his consulting career he focused on strategy, financing, and regulation for the energy and utilities industries. David has degrees in engineering from the University of California at Berkeley and an MBA from Wharton.



Jeremy OPPENHEIM

Senior partner and Director, Sustainability and Resource Productivity Initiative
McKinsey & Company

Jeremy is a Senior Partner of McKinsey & Company leading the global Sustainability and Resource Productivity Initiative (SRP), the Firm's hub on green growth, resource productivity (water, energy, land-use, carbon) and the wider sustainability agenda. SRP builds on the McKinsey global cost curve for carbon abatement and serves clients in the private, public and non-profit sectors on new strategies/policies, business models, investment opportunities and the capabilities they need to become leaders in the emerging low carbon economy. Jeremy has a MA in Law and Economics (1st class honours) from Trinity College, Cambridge and a Masters in Public Administration from the Kennedy School of Government. Prior to joining McKinsey, he worked at the World Bank for 5 years where he specialised in the macro-micro linkages between productivity growth, technology development, market design and fiscal policy/state role in the economy.



Annalidia PANSINI

Advisor, Italian Ministry for the Environment, Land and Sea

Since 2000, Annalidia has been working as an adviser in the Italian Ministry for the Environment Land and Sea. She has been engaged in international negotiations relating to the UN Framework Convention on Climate Change, Union for the Mediterranean, Barcelona Convention, as well as bilateral cooperation agreements with the governments of Algeria, Egypt, Morocco, Libya, Tunisia and Israel. Since 2004 she has been coordinating the "Mediterranean task force" of the Italian Ministry for the Environment, responsible for bilateral and multilateral environmental cooperation initiatives and the management of projects on sustainable development, renewable energy and climate change in the MENA Region. Since 2003, she has been coordinating the Type II Initiative "Mediterranean Renewable Energy Programme (MEDREP)", launched by the Italian Government at the Johannesburg Summit in 2002, in collaboration with UNEP-DTIE. In 2001 she was a visiting fellow at the World Resources Institute (WRI) in the framework of the "Institutions and Governance Program". Annalidia holds a Law degree from University of Bari, a Master in "Environmental Governance" from University of Tuscia in Viterbo and she is a Phd candidate in Business Management at University of Rome "La Sapienza". As a Giorgio Ruffolo Fellow in the Sustainability Science Program, Annalidia is going to collaborate with the Harvard's Center for International Development on the clean energy technologies issues in the Mediterranean Region.



Silvia PARIENTE-DAVID

Senior Energy Specialist, Middle East and North Africa Region, World Bank

Silvia Pariente-David is Sr Energy Specialist in the MENA region of the World Bank. She works with governments in Morocco and Tunisia on projects to finance energy policy (in particular energy efficiency and renewables), to support energy market reform and establishment of regulatory frameworks and to develop gas and power infrastructure. She is also actively involved in the development of the Maghreb common energy market and is one of the leaders of the World Bank MENA CSP scale-up program which was granted \$750 million from the Clean Technology Fund to accelerate global deployment of the CSP technology. Prior to joining the World Bank, Dr Pariente-David was a partner in the Energy Practice of PA Consulting. She has over twenty years of experience in managing consulting activities in the fields of energy market analysis and environmental policy assessment. She has directed many multi-client studies and consulting engagements in energy, environment and transportation and specialized in market research, strategic and regulatory analysis, sales forecasting, investment analysis, scenario development and policy analysis. She has extensive experience in developing and using electricity market models to develop electricity price forecasts, to evaluate investment in power plants and to develop operating strategies for power generation portfolios. She has on numerous occasions prepared independent market expert reports in support of financing of electricity asset acquisitions. She has conducted numerous gas market value studies as a basis for price reviews and gas contract renegotiations. She has also assisted several energy companies in formulating their gas and power strategies to adapt to market liberalisation and to expand into new markets. Prior to Hagler Bailly and PA, she was the managing director of DRI/McGraw Hill World Energy Service (now Global Insight) and held various other positions with DRI/McGraw-Hill.



Shilpa PATEL

Head, Strategy and Metrics, Climate Business Group, International Finance Corporation

Shilpa Patel leads IFC's work on climate change strategy and metrics, supporting the corporation's climate change agenda and commitment to increase its climate-friendly lending. Ms. Patel has focused on building IFC's analytical capacity to better understand the climate change impacts of its activities, as well as the impacts of climate change on private business and IFC's operations. She is the key architect of IFC's portfolio GHG accounting initiative, and is currently working on developing metrics to better assess development and climate change trade-offs in developing countries. Her unit also tracks IFC's climate related investment activity and serves as a corporate resource on climate related issues. Prior to this, Ms. Patel led IFC's Sustainability Business Innovator, an incubator for innovative business models, products and instruments to harness the power of the private sector in delivering environmental and social benefits. She contributed to the creation of IFC's Cleaner Production program and oversaw IFC's carbon finance activities, including the development of new financial instruments for private sector participation in carbon trading. Ms. Patel joined IFC in 1997, and has managed IFC's investment activities in the Chemicals and in the Health and Education sectors. Prior to moving to IFC, she worked at the World Bank on private sector development across a number of regions and economies in transition. She has also held the position of Adjunct Professor at Georgetown University's McDonough School of Business, where she taught courses on Project Finance.



Jakob Barul POULSEN

Senior Vice President, DONG Energy A/S

Jakob Barul Poulsen is Senior Vice President of DONG Energy A/S and holds responsibility for two main areas: the business unit, Renewables, and the staff function, Corporate Affairs. Jakob is Deputy CEO of Renewables, the primary focus area of which is offshore wind power. Renewables has been a frontrunner in developing offshore wind power with more than 20 years of experience and has installed more offshore wind projects than any other company on a global scale. Today, Renewables is the market leader in the industry and has a unique business model backed by strong technical, commercial and financial competencies. Renewables is one of DONG Energy's key growth areas. As Head of Corporate Affairs, Jakob has - among other things - been responsible for the M&A-processes leading to the merger of six companies in 2006 which established DONG Energy as an integrated company with strong presence throughout the energy value chain. In recent years, Jakob has been responsible for a number of divestment processes to focus the business. Jakob has had high-level management responsibilities in DONG Energy since 2001, reporting to the CEO, and he is a member of DONG Energy's Investment and Finance Committees. Prior to joining DONG Energy, Jakob has held positions with McKinsey & Company and The Danish Ministry of Finance. He graduated from University of Copenhagen in 1998 with a Master's degree in Economics with specialisation in Finance.



Mattia ROMANI

Senior Visiting Fellow at the London School of Economics and Director of the London office and Global Country Analytics, Global Green Growth Institute

Dr Mattia Romani is the Director of the London office of the Global Green Growth Institute, with responsibility for the Institute's global country analytical programme. He is on secondment from McKinsey and Co. He is also a Senior Visiting Fellow at the Grantham Research Institute at the London School of Economics. His work focuses the economics of climate change, with a focus on the transition to a low-carbon economy both in terms of both private investment and public policy. In 2010 he served as Lord Nicholas Stern deputy on the UN Secretary General High-Level Advisory Group on Climate Finance in the context of the UNFCCC negotiations. At McKinsey he works as a Senior Expert, advising governments and corporate clients on economic policy related to climate change. Between 2007 and 2009, he worked as the lead economist on the Stern Review team in the UK Government Department of Energy and Climate Change on secondment from Shell International. In this role he led projects on low-carbon growth strategies for China, India, South Korea, Japan. He was the UK representative on the China Task Force on a low-carbon economy (for CCICED). He also led a research project on using public finance to leverage private capital in low-carbon investments in developing countries. Between 2003 and 2007 he worked at Shell International as a senior economist in the scenarios team, supporting the Group's Chief Economist on advising the Executive Committee on a number of strategic and economic issues. He acted as Chief Economist for Shell in 2005. He was a co-author of the most recent round of the Shell 2050 global energy scenarios, Scramble and Blueprint, focusing on climate change issues and energy modeling, with a particular focus on emerging countries. Before joining Shell, Dr Romani was first an economist and then a part-time consultant with the World Bank in Washington DC (1999-2003), where he worked on microeconomic research in the Research Group (DEC) and on projects related to information sharing and information networks in Côte d'Ivoire and Madagascar. He obtained his doctorate (D.Phil.) in 2003 from the University of Oxford (St. Antony's College) where his research focused on the role of innovation in agricultural markets. He studied his M.Sc. in development studies at the London School of Economics. He gained his B.Sc. at the Scuola S. Anna in Pisa (Italy) and attended a United World College. He has published in the field of climate regulations, development economics, strategy and climate finance.



Karsten SACH

Deputy Director-General for International Cooperation in the Federal Ministry for Environment, Nature Conservation and Nuclear Safety, Germany

Dr. Karsten Sach, born in 1959, is Deputy Director-General for International Cooperation in the Federal Ministry for Environment, Nature Conservation and Nuclear Safety in Germany. Before he assumed that office in 2004, he led the Division "International Cooperation, Global Conventions, Climate Change" for five years. Since 1999 he is the German chief negotiator at the UNFCCC conferences of the parties. In 1998/1999 he served as Deputy Head of Division "International Cooperation, Global Conventions Climate Change" in the Environmental Ministry. Before that he was the Environment Attaché of the Permanent Representation of Germany to the European Union in Brussels for four years. He entered the Environment Ministry in 1991 and worked in the Division "Protection of the Marine Environment, International Water Protection Law" for two years. Since September 2008 he is Chairman of the Management Board of the European Environment Agency. Before joining the ministry, Dr. Karsten Sach was teaching environment and economic law. He studied law in Kiel and Freiburg and has a PhD in law. He was born in Schleswig-Holstein, is married and lives near Berlin.



Nabil SAIMI

Executive Advisor, Moroccan Agency for Solar Energy, MASEN

Nabil Saimi was born and raised in Casablanca, Morocco. After a bachelor in Applied Mathematics and Physics, he flew to Canada to pursue his learning quest, where he went to grad school to earn a Master in Applied Maths and Computer Science. He is a Ph.D candidate in Quantitative Finance at McGill/HEC-Montreal. He has also completed multiple executive programs in Energy Economics and Public-Private Partnerships at UC Berkeley, Stanford University and Harvard University. He has been a lecturer at HEC-Montreal, where he taught Probability, Statistics and Option and Derivatives theory. Nabil works currently as a Director of International Cooperation at Masen, the Moroccan Agency for Solar Energy, where his is responsible for the development of the export business of solar energy, and managing the international cooperation projects. His previous experiences, include a Senior Quantitative Analyst position at Pacific Gas & Electric Company, in San Francisco, CA, where he was involved in procurement and energy storage optimization, financial hedging activities and renewable projects valuation. His previous experiences include also an investment banking experience, as exotic derivatives senior analyst for CDP Capital in Canada, and Risk management position at Hydro-Quebec. He is a certified Financial Risk Manager (FRM).



Adam SCHWARZ

Senior Advisor, McKinsey & Company Asia

Adam Schwarz is one of the global leaders of McKinsey's Sustainability and Resource Productivity practice. Based in Southeast Asia since 1987, Adam is the regional leader in Asia of McKinsey's Sustainable Economic Development Initiative (SEDI), which serves developing countries, development agencies and corporates on issues related to green growth. Examples of SEDI's studies in the region include developing GHG abatement cost curves for Indonesia, Papua New Guinea and Malaysia, as well as low carbon growth strategies and spatial planning analyses for Papua New Guinea and for several high-emitting provinces in Indonesia. He has served a broad range of public-sector clients in Indonesia and elsewhere in Southeast Asia on issues ranging from corporate transformation, organizational design, economic policy, trade facilitation, board governance, communications strategy and stakeholder analysis. On the request of Indonesia's President Yudhoyono, he led a team of consultants from March to December 2005 designing, structuring and providing operational support to the Aceh Reconstruction Agency (BRR), a new agency established to coordinate and manage reconstruction aid following the devastating Indian Ocean tsunami of late 2004. Adam was one of 12 Indonesians and foreigners given a "Hero of Aceh" award by the Indonesian Government for their contributions to Aceh's reconstruction. He has served as advisor to the proposed Comprehensive Partnership between Indonesia and the United States, of which climate change is a key part. He has written extensively on Indonesia and Southeast Asia, including *A Nation in Waiting*, a highly acclaimed work on Indonesian contemporary history. He is a member of the U.S. Council on Foreign Relations and a Research Fellow at the Murdoch University's Asia Research Centre. From 1987 to 1997, Adam worked as a correspondent and bureau chief in Indonesia, Vietnam and Thailand for the *Far Eastern Economic Review*. Adam graduated from Duke University with a Bachelor of Arts degree in Economics (1983). He holds an MBA degree in International Business from Columbia University (1987), where he was awarded a University Fellowship for Professional Achievement.



Andrew STEER
Special Envoy for Climate Change, World Bank

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.



Todd STERN
Special Envoy for Climate Change, U.S. Department of State

Todd Stern is the Special Envoy for Climate Change at the State Department. Mr. Stern plays a central role in developing the U.S. international policy on climate and is the President's chief climate negotiator, representing the United States internationally at the ministerial level in all bilateral and multilateral negotiations regarding climate change. Mr. Stern also participates in the development of domestic climate and clean energy policy. Mr. Stern brings extensive experience in the private sector and government. Before joining the Obama Administration he was a Senior Fellow at the Center for American Progress, where he focused on climate change and environmental issues, and a partner at the law firm WilmerHale, where he served as Vice Chair of the Public Policy and Strategy Group. Mr. Stern served in the White House from 1993 to 1999. As Staff Secretary, he played a central role in preparing the key issues of domestic, economic and national security policy for the President's decision, as well as handling a number of special assignments. From 1997 to 1999, he coordinated the Administration's initiative on global climate change, acting as the senior White House negotiator at the Kyoto and Buenos Aires negotiations. At Treasury, from 1999 to 2001, Mr. Stern advised the Secretary on the policy and politics of a broad range of economic and financial issues, and supervised Treasury's anti-money laundering strategy. Previously, from 1990-93, Stern served as Senior Counsel to Senator Patrick Leahy on the Senate Judiciary Committee, where he advised Senator Leahy on intellectual property, telecommunications and constitutional issues. After leaving the government, Mr. Stern was an Adjunct Lecturer at Harvard's Kennedy School of Government and a Resident Fellow at the German Marshall Fund of the United States. Mr. Stern is a member of the Council on Foreign Relations.

Myriem TOUHAMI KADIRI
Programme Manager, United Nations Development Programme

Mrs. Touhami's work focuses mainly on the UNEP finance activities that are aimed at bringing about increased levels of investment in the sustainable energy sector. Within the Mediterranean Renewable Energy Program, she is responsible for identifying, developing, structuring and implementing various financing mechanisms that help lenders and investors lower transaction costs and scale up investment in the clean energy sector in different countries (Morocco, Tunisia, Egypt and the Balkans). She is also responsible for managing the implementing of several financial support mechanisms in Latin America and South East Asia. Mrs Touhami also manages specific project activities on other UNEP sustainable energy finance activities, and acts as an advisor on matters relating to the clean energy finance. She supervises the structuring, legal and regulatory process for finance mechanisms implementation, and identifies and pursues needed policy reform measures that would contribute to increased commercially-based deployment of renewables in target countries. Before joining UNEP, Mrs. Touhami held the positions of Deputy Country Manager of the Photovoltaic Market Transformation Initiative and the Solar Development Group, two solar investment funds managed respectively by the International Finance Corporation and Triodos. Mrs Touhami holds a Master of Business Administration degree from IONA University in New York, USA, and a Bachelors of Business degree in International Business from the same university.



Marie-Christine TREMBLAY
Head, Climate Change, Biodiversity and Development Division, OECD

Marie-Christine Tremblay was appointed Head of the Climate Change, Biodiversity and Development Division at the OECD in May 2011 to help advance OECD work on mitigation and adaptation of climate change, natural resources management (e.g. biodiversity), economic-environment modelling, and development and environment linkages. Prior to joining the OECD, Marie-Christine served in a number of capacities in the Canadian federal public service, most notably holding management-level positions in the Canadian federal ministries of Finance, Industry and Environment. Her policy and analytical work, while in the public sector and in academia, include the examination of environment/economy linkages, industrial organization and economic growth. Marie-Christine is a Canadian national. She holds a MA in Economics and a Certificate in Chinese Studies from Simon Fraser University (British Columbia, Canada) and a Ph.D. in Economics from Université Laval (Quebec, Canada). She is fluent in English and French and is proficient in Mandarin.



Peter WEHRHEIM

Head of Unit, Climate Change Finance and Deforestation, European Commission

Peter Wehrheim is Head of Unit in the new Directorate General "Climate Action". His portfolio includes climate finance (EU internal and in the context of external development cooperation), deforestation (REDD+ and LULUCF) and agriculture. Peter started to work for the European Commission in 2004 and was first affiliated with the Directorate General for Agriculture and Rural Development (until 2010). Prior to joining the Commission he was a Heisenberg-Fellow of the German Research Foundation. He worked during that period at the Centre for Development Research/University of Bonn and at the IRIS Centre at the University of Maryland. His research attempted to reconcile neoclassical mainstream economics (e.g. general equilibrium analysis) with methods and insights from institutional economics (e.g. estimates of transaction costs). In 2001/2002 he was temporary Professor at the Institute for Economic and Agricultural Policy/University of Bonn. Between 1994 and 2001 he worked as an independent consultant on development policy issues for the World Bank, the FAO, the European Commission but was also affiliated to various think tanks and research institutes (International Food Policy Research Institute, IFPRI/Washington; University of Kiel/Germany). In 2001 he received a Professorial degree (Habilitation) from the University of Bonn and in 1994 a Doctor degree in agricultural economics from the University of Giessen.