



## International Research Workshop on **Institutions for Climate Governance** 20<sup>th</sup> -21<sup>st</sup> May 2010

International Center for Climate Governance, Island of San Giorgio Maggiore, Venice – Italy

### **DAY 1: Thursday, May 20<sup>th</sup>, 2010**

8:00 – 11:00 pm      *Reception and Dinner at Da Fiore Restaurant*

### **DAY 2: Friday, May 21<sup>st</sup>, 2010**

- 9:00 – 9:30 am      Welcome and introductions;  
Carlo CARRARO, Robert STAVINS  
Self-introductions by participants  
Setting the stage: Robert STAVINS
- 9:30 – 10:15 am      Current research in climate governance and the institutional context of climate policy  
Frank BIERMANN, Michael LEVI
- 10:15 – 10:30 am      *Break*
- 10:30 – 11:45 am      Insights from economics for the institutional path ahead  
Ottmar EDENHOFER, Bard HARSTAD, Ray KOPP
- 11:45 am – 12:30 pm      The institutional context of climate change and development  
Michael SPENCE
- 12:30 – 1:45 pm      *Lunch*
- 1:45 – 3:15 pm      Insights from international relations theory and practice  
Liliana ANDONOVA, Robert KEOHANE, Joseph NYE, Alexander THOMPSON
- 3:15 – 3:30 pm      *Break*
- 3:30 – 4:15 pm      Options for legal structure  
Daniel BODANSKY, Thomas HELLER
- 4:15 – 4:45 pm      Conclusions, synthesis, and next steps  
Carlo CARRARO, Robert STAVINS  
Discussion



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## Participants

Prof. [Liliana ANDONOVA](#)

Associate Professor, Political Science  
*The Graduate Institute (Geneva), Switzerland*

Prof. [Frank BIERMANN](#)

Professor and Head, Department of Environmental  
Policy Analysis  
*Institute for Environmental Studies, Vrije Universiteit  
Amsterdam, The Netherlands*

Prof. [Dan BODANSKY](#)

Emily and Ernest Woodruff Chair in International  
Law  
*School of Law University of Georgia, USA*

Prof. [Carlo CARRARO](#)

President, *University of Venice, Italy*  
Vice Chair, Working Group III, Intergovernmental  
Panel on Climate Change  
Director, Sustainable Development Programme,  
*Fondazione Eni Enrico Mattei, Italy*

Prof. [Ottmar EDENHOFER](#)

Co-Chair of Working Group III, Intergovernmental  
Panel on Climate Change  
Deputy Director and Chief Economist  
*Potsdam Institute for Climate Impact Research,  
Germany*

Prof. [Bard HARSTAD](#)

Associate Professor of Managerial Economics and  
Decision Sciences  
*Kellogg School of Management, Northwestern  
University, USA*

Prof. [Thomas HELLER](#)

Lewis Talbot and Nadine Hearn Shelton Professor of  
International Legal Studies, *Emeritus*  
*Stanford University, USA*  
Director, *Climate Policy Initiative, USA*

Prof. [Robert KEOHANE](#)

Professor of International Affairs  
*Princeton University, USA*

Dr. [Ray KOPP](#)

Senior Fellow and Director, Center for Climate and  
Electricity Policy  
*Resources for the Future, USA*

Dr. [Michael A. LEVI](#)

David M. Rubenstein Senior Fellow for Energy and  
the Environment and Director of the Program on  
Energy Security and Climate Change  
*Council on Foreign Relations, USA*

Prof. [Joseph NYE](#)

University Distinguished Service Professor and  
Former Dean  
*Harvard Kennedy School, USA*

Prof. [Michael SPENCE](#)

Senior Fellow, *Hoover Institution, USA*  
Philip H. Knight Professor of Management, *Emeritus*  
*Graduate School of Business, Stanford University,  
USA*  
Chair, *Commission on Growth and Development,  
USA*

Prof. [Robert STAVINS](#)

Albert Pratt Professor of Business and Government  
Director, Harvard Project on International Climate  
Agreements  
*Harvard Kennedy School, Harvard University, USA*

Prof. [Alexander THOMPSON](#)

Associate Professor of Political Science  
*Ohio State University, USA*



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## Observers

Prof. Christopher ALLSOPP

Director, *Oxford Institute for Energy Studies, UK*

Dr. Valentina BOSETTI

Senior Researcher, *Fondazione Eni Enrico Mattei and Euro-Mediterranean Center for Climate Change, Italy*

Dr. Barbara K. BUCHNER

Director, *Climate Policy Initiative - Venice, Italy*

Mr. Mauro BUONOCORE

Press Officer, *Euro-Mediterranean Center for Climate Change, Italy*

Mr. Stefano CLÒ

Researcher, *University of Bologna and RIE, Italy*

Ms. Marinella DAVIDE

Junior Researcher, *Fondazione Eni Enrico Mattei, Italy*

Dr. Enrica DE CIAN

Senior Researcher, *Fondazione Eni Enrico Mattei, Italy*

Dr. Renato DE FILIPPO

Climate Change, *Eni SpA, Italy*

Ms. Alice FAVERO

Junior Researcher, *Fondazione Eni Enrico Mattei, Italy*

Dr. Rosanna FUSCO

Operational Environment Manager, *Eni SpA, Italy*

Prof. Andrea GATTINI

Professor of International Law, *University of Padova, Italy*

Dr. Alessandra GORIA

Communication Officer, Sustainable Development Programme, *Fondazione Eni Enrico Mattei, Italy*

Prof. David HOBBS

Chief Energy Strategist, *Cambridge Energy Research Associates, USA*

Prof. Nannerl O. KEOHANE

Laurance S. Rockefeller Distinguished Visiting Professor of Public Affairs, *Princeton University, USA*

Prof. Francisco LEITA

Department of International Studies, *University of Padova, Italy*

Mr. Matt LITTLETON

Rapporteur, Harvard Project on International Climate Agreements  
*Harvard Kennedy School, Harvard University, USA*

Dr. Emanuele MASSETTI

Senior Researcher, *Fondazione Eni Enrico Mattei and Euro-Mediterranean Center for Climate Change, Italy*

Ms. Chiara ROGATE

Junior Researcher, *Fondazione Eni Enrico Mattei, Italy*

Prof. Francesca SANNA RANDACCIO

Professor of Economics, *Sapienza University of Rome, Italy*

Dr. Robert STOWE

Manager, Harvard Project on International Climate Agreements  
*Harvard Kennedy School, Harvard University, USA*

Dr. Massimo TAVONI

Senior Researcher, *Fondazione Eni Enrico Mattei and Euro-Mediterranean Center for Climate Change, Italy*

Mr. Giovanni B. VESCOVO

President & CEO, *Promostudio International Consultants, Italy*

Mr. Manuel VESCOVO

Vice President & Chief Operating Officer, *Promostudio International Consultants, Italy*

Dr. Antonio VILLAFRANCA

Senior Research Fellow and Head of Program on Europe, *Istituto per gli Studi di Politica Internazionale, Italy*

Mr. Ruggero ZEN

*Accademia Internazionale di Scienze Ambientali, Italy*



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## Biographies

**Liliana B. Andonova** is Associate Professor in Political Science at the Graduate Institute for International and Development Studies, Geneva, Switzerland. She is author of *Transnational Politics of the Environment. EU Integration and Environmental Policy in Eastern Europe* (MIT Press, 2004). Her current research focuses on climate cooperation, transnational governance, and public-private partnerships in the multilateral system. She has published in journals such as *Global Governance*, *Global Environmental Politics*, *International Studies Quarterly*, *International Studies Perspective*, and *Comparative Political Studies*. Andonova is co-founder and co-Chair of the section on Development and Environment of the Swiss Political Science Association. Current collaborative research includes the Leverhulme Project on Transnational Climate Governance; the SNIS (Swiss Network for International Studies) Project on Negotiating Climate Change; and the Graduate Institute project with the Swiss Federal Office for the Environment on Climate Information for Decision Making.

**Frank Biermann** is professor of political science and environmental policy sciences at the Vrije Universiteit Amsterdam, The Netherlands. He specializes in global environmental governance, with emphasis on climate negotiations, UN reform, global adaptation governance, public-private governance mechanisms, the role of science, North-South relations, and trade and environment conflicts. Biermann holds a number of research management positions, including as general director of the Netherlands Research School for Socio-economic and Natural Sciences of the Environment (SENSE). Biermann is also the founding director of the Global Governance Project (glogov.org), a joint program of twelve European research institutes, and the chair of the Earth System Governance Project, a ten-year global research program under the auspices of the International Human Dimensions Programme on Global Environmental Change (earthsystemgovernance.org). He recently co-edited *Global Climate Governance Beyond 2012: Architecture, Agency and Adaptation* (Cambridge UK, 2010).

**Daniel M. Bodansky** is the Associate Dean for Faculty Development and the Emily and Ernest Woodruff Chair in International Law at the University of Georgia School of Law. From 1999–2001, he served as the U.S. Department of State's climate change coordinator and was a senior member of the U.S. negotiating team. He has consulted to the UN climate change secretariat, the Pew Center on Global Climate Change, and Resources for the Future. Professor Bodansky received his B.A. from Harvard College, an M. Phil. in the history and philosophy of science from Cambridge University, and his J.D. from Yale Law School. He is a member of the board of editors of the *American Journal of International Law* and a recipient of a Council on Foreign Relations International Affairs Fellowship and a Jean Monnet Fellowship from the European University Institute in Florence.

**Carlo Carraro** is President of the University Ca' Foscari of Venice and also President of the School for Advanced Studies in Venice. He holds a Ph.D. from Princeton University and is currently member of the Bureau of the Nobel Laureate Intergovernmental Panel for Climate Change (IPCC) and Vice-Chair of IPCC Working Group III. He is Chairman of the Scientific Advisory Board of the Fondazione ENI Enrico Mattei (FEEM) and Research Fellow of the Center for European Policy Studies (CEPS), Brussels, and of the Center for Economic Policy Research (CEPR), London. He is also a member of the Scientific Advisory Board of the Ifo Institute for Economic Research, Munich, and the International Advisory Board of the Harvard Environmental Economics Program at Harvard University. Professor Carraro is Director of the Climate Impacts and Policy Division of the EuroMediterranean Center on Climate Change (CMCC) and has been recently elected resident member of the Academy of Science, Letters and Arts (IVSLA) in Venice.

**Ottmar Edenhofer** is Professor of the Economics of Climate Change at the Technical University Berlin and Co-Chair of Working Group III of the Intergovernmental Panel on Climate Change (IPCC), which won the Nobel Peace Prize in 2007. He is deputy-director and chief economist at the Potsdam Institute for Climate Impact Research (PIK) and is currently leading Research Domain III —Sustainable Solutions at PIK, which focuses on research on the economics of atmospheric stabilization. Ottmar Edenhofer explores the impact of induced technological change on mitigation costs and mitigation strategies. The design of instruments for climate and energy policy is another focus. He also leads and coordinates several externally funded research projects. He has been a Lead Author for the Fourth Assessment Report of the IPCC from 2004–2007.



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**Bård Harstad** is an Associate Professor at the Kellogg School of Management, Northwestern University. Since 2010, he has held the Max McGraw Chair in Management and the Environment. He is also an adjunct professor at the University of Oslo, a Faculty Research Fellow at the National Bureau of Economic Research, and a CESifo network member. (CESifo is an economic research institute in Munich.) Harstad's research focuses on international institutions, negotiations, and agreements; in particular international climate change agreements. His research has been published in journals such as the *American Economic Review*, *Quarterly Journal of Economics*, and *Journal of Public Economics*. Harstad holds an M.S. in Economics from the University of Oslo. His Ph.D. in economics is from the Institute for International Economic Studies, Stockholm University.

**Thomas C. Heller** has focused his research on 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 and Senior Fellow at the Stanford Freeman Spogli Institute for International Studies. He was a contributing lead author for the IPCC Third and Fourth Assessment Reports. Since 2008, Heller has been a core team member directing Project Catalyst—an analysis based project in support of the Copenhagen Climate process. From September 2009, he has served as Executive Director of a new nongovernmental organization, the Climate Policy Initiative (CPI). CPI will assess, evaluate and advise governments and private firms on the implementation of national low carbon growth plans and measures.

**Robert O. Keohane** is Professor of International Affairs, Princeton University. He is the author of *After Hegemony: Cooperation and Discord in the World Political Economy* (1984) and *Power and Governance in a Partially Globalized World* (2002). He is co-author (with Joseph S. Nye, Jr.) of *Power and Interdependence* (third edition 2001), and (with Gary King and Sidney Verba) of *Designing Social Inquiry* (1994). He has served as the editor of the journal *International Organization* and as president of the International Studies Association and the American Political Science Association. He won the Grawemeyer Award for Ideas Improving World Order, 1989, and the Johan Skytte Prize in Political Science, 2005. He is a member of the American Academy of Arts and Sciences, the National Academy of Sciences, and the American Philosophical Society, and he is a Fellow of the American Academy of Political and Social Science.

**Ray Kopp** is Senior Fellow and Director of the Center for Climate and Electricity Policy at Resources for the Future (RFF). He has been a member of the RFF research staff since 1977 and has held a variety of officer and management positions within the institution. His current studies focus on U.S. domestic greenhouse-gas mitigation and adaptation policy, U.S. foreign policy as it pertains to international negotiations on climate change, and deforestation and degradation in tropical countries. His expertise has influenced the design of state and federal policies as well as those of foreign governments. Kopp also has a long-standing research interest in cost-benefit analysis and integrated assessment. He led the first examination of the cost of major U.S. environmental regulations in a full, general equilibrium, dynamic context using an approach that is now widely accepted as state-of-the-art.

**Michael A. Levi** is the David M. Rubenstein senior fellow for energy and the environment at the Council on Foreign Relations (CFR) and director of the CFR program on energy security and climate change. Dr. Levi was previously a nonresident science fellow and a science and technology fellow in foreign policy studies at the Brookings Institution. His interests center on the intersection of science, technology, and foreign policy, including energy, climate, and nuclear security. Dr. Levi is the author of two books, including, most recently, *On Nuclear Terrorism* (Harvard University Press, 2007) and numerous other studies. His recent publications include "Copenhagen's Inconvenient Truth: How to Salvage the Climate Conference" (*Foreign Affairs*, September/October 2009) and "The Canadian Oil Sands: Energy Security vs. Climate Change" (CFR, June 2009). Dr. Levi holds a Ph.D. in War Studies from King's College London and an M.A. in physics from Princeton University.



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**A. Michael Spence** is the Chairman of the Commission on Growth and Development and Professor *Emeritus* of Management in the Graduate School of Business at Stanford University. He is a senior advisor at Oak Hill Investment Management, a consultant to PIMCO, and a Senior Fellow of the Hoover Institution at Stanford. Spence received the Nobel Prize in Economics in 2001 and the John Bates Clark Medal in 1982. He served as Dean of the Stanford Business School from 1990–1999. From 1984–1990, Spence served as the Dean of the Faculty of Arts and Sciences at Harvard, overseeing Harvard College, the Graduate School of Arts and Sciences, and the Division of Continuing Education. He is a fellow of the Econometric Society and the American Academy of Arts and Sciences. He serves on the boards of Genpact, Mercadolibre, the Stanford Management Company, The International Chamber of Commerce Research Foundation, and a number of private companies.

**Joseph S. Nye, Jr.** is University Distinguished Service Professor and former Dean of Harvard's Kennedy School of Government. He received his bachelor's degree *summa cum laude* from Princeton University, did postgraduate work at Oxford University on a Rhodes Scholarship, and earned a Ph.D. in political science from Harvard. He has served as Assistant Secretary of Defense for International Security Affairs, Chair of the National Intelligence Council, and a Deputy Under Secretary of State. His most recent books include *Soft Power*, *The Power Game: A Washington Novel*, and *The Powers to Lead*. He is a fellow of the American Academy of Arts and Sciences, the British Academy, and the American Academy of Diplomacy. In a recent survey of international relations scholars, he was ranked as the most influential scholar on American foreign policy.

**Robert N. Stavins** is the Albert Pratt Professor of Business and Government at the Harvard Kennedy School, Director of the Harvard Environmental Economics Program, and Director of the Harvard Project on International 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. He was formerly a member and Chairman of the Environmental Economics Advisory Committee of the U.S. Environmental Protection Agency's (EPA) Science Advisory Board, the Founding Editor of the *Review of Environmental Economics and Policy*, Chair of the Scientific Advisory Board of the Massachusetts Executive Office of Environmental Affairs, and a Lead Author of the Second and Third Assessment Reports of the Intergovernmental Panel on Climate Change. He holds a B.A. in philosophy from Northwestern University, an M.S. in agricultural economics from Cornell, and a Ph.D. in economics from Harvard.

**Robert C. Stowe** is Executive Director of the Harvard Environmental Economics Program and Manager of the Harvard Project on International Climate Agreements, both Harvard University-wide programs based in the Harvard Kennedy School. Previously, he was Associate Director of the Science, Technology, and Public Policy Program and the Energy Technology Innovation Policy research group, in the Harvard Kennedy School's Belfer Center for Science and International Affairs; Vice President of Programs of the Citizens Network for Foreign Affairs, which provides assistance in agriculture and agribusiness to developing countries; and a consultant to the World Bank and other organizations on agricultural management projects in Uganda, Russia, and Ukraine. He holds a Ph.D. in political science from the Massachusetts Institute of Technology and an A.B. in physics from Harvard College.

**Alexander Thompson** is Associate Professor of Political Science at Ohio State University. His research is on the politics of international organizations and law, including why international institutions are created and how they are designed. He is the author of *Channels of Power: The UN Security Council and U.S. Statecraft in Iraq* (Cornell University Press, 2009). Recent articles by Dr. Thompson have appeared in *International Organization*, the *European Journal of International Relations*, the *Journal of Conflict Resolution*, and *Climatic Change*. He has written on both the politics and policy of international climate negotiations and agreements, including two Discussion Papers with the Harvard Project on International Climate Agreements, and is currently working on a book manuscript that seeks to explain the evolution of the global climate regime.