

Bilateral Cooperation between China and the United States: Facilitating Progress on Climate-Change Policy

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BIOGRAPHIES OF PARTICIPANTS

Mr. Joseph ALDY

Assistant Professor of Public Policy, Harvard Kennedy School; Nonresident Fellow, Resources for the Future; Faculty Research Fellow, National Bureau of Economic Research

Professor Aldy's research focuses on climate change policy, energy policy, and mortality risk valuation. He also serves as the Faculty Chair of the Kennedy School's Regulatory Policy Program. In 2009–2010, he served as the Special Assistant to the President for Energy and Environment at the White House. In this position, Aldy was responsible for the energy and environmental policy portfolio at the National Economic Council, for coordinating policy development and evaluation for the Office of Energy and Climate Change, and for international energy and environmental policy in support of the National Security Council. Aldy previously served as a Fellow at Resources for the Future and worked on the staff of the President's Council of Economic Advisers. He served as the Co-Director of the Harvard Project on Climate Agreements and Co-Director of the International Energy Workshop before joining the Obama Administration. He earned his doctorate in economics from Harvard University, a masters of environmental management degree from the Nicholas School of the Environment, and a bachelor's degree from Duke University.

Mr. Thomas BREWER

Senior Fellow, International Centre for Trade and Sustainable Development

Dr. Brewer is the author of *The United States in a Warming World: The Political Economy of Government, Business and Public Responses to Climate Change* (Cambridge University Press, 2014), and he has published articles in the refereed journals *Climate Policy* and *Energy Policy*, as well as chapters in books published by the Brookings Institution and Oxford University Press. He was a Lead Author of the chapter on International Cooperation in the IPCC Fifth Assessment Report volume, *Mitigation of Climate Change* (Cambridge University Press, 2014). He has twice been a Visiting Senior Research Fellow at Oxford University, and he has been a Schöller Foundation Senior Research Fellow at Friedrich-Alexander University in Nuremberg, Germany. He has been a consultant to the World Bank, OECD and UNCTAD. He is an Associate Fellow of the Centre for European Policy Studies (CEPS) in Brussels, and an emeritus faculty member of Georgetown University in Washington, DC.

Ms. CAO Jing

Associate Professor, Department of Economics, School of Economics and Management, Tsinghua University

Jing received her B.S. in Geology and B.A. in Economics from Peking University in 1998, M.S. in Environmental Sciences from Peking University in 2001, Ph.D. in Public Policy from Harvard University in 2007. Her research mainly focuses on Environmental and Energy Economics, including China's environmental tax reform, economic instrument for mitigating climate change, CGE modeling, and green productivity. Her research projects include Chinese National Science Function Project, Social Science Funding from Department of Education, IDRC-EEPSEA project, Environmental for Development project, Tsinghua Self-Research Project, Tsinghua-K.U. Leuven research collaboration project, and also involved in the 973 climate change project led by NDRC and Tsinghua Low-carbon economic institute. She received McKinsey China Economics Award in 2011, Gregory Chow Best Paper Award in 2005 and East Asian Economic Association Best Paper Award in 2004. She is affiliated research fellow with Center of China and the World Economy, Tsinghua National Institute of Fiscal Studies. She is member of American Association of Environmental and Resource Economists, European Association of Environmental and Resource Economists, Member of Environmental Economics Branch under Chinese Environmental Science Association, Editor Board Member of Environmental Economics and Policy, and serves as consultant for the World Bank and UNECAP.

Mr. Gabe CHAN

Assistant Professor, Humphrey School of Public Affairs, University of Minnesota

Earlier in 2015, Dr. Chan received his PhD in Public Policy from the Harvard Kennedy School of Government. His research interests are in energy technology innovation policy, including public research and development policies and energy technology deployment policies. Current research is examining the role of market based mechanisms in the development of the Chinese wind sector.

Ms. FU Sha

Assistant Professor, National Center for Climate Change Strategy and International Cooperation, National Development and Reform Commission

Dr. Fu Sha graduated from Renmin University, majoring in Human and Natural Resources and Environmental Economics. She received her B.A, M.Sc and Ph.D. degree in 2005, 2007 and 2011 respectively. She joined the National Center for Climate Change Strategy and International Cooperation (NCSC) in 2012, and now is a member of Department of International Cooperation. With long experience as a researcher and policy analyst focusing on energy and climate change issues in China, her area of specification is as follows: (1) UNFCCC Climate negotiation, serve on the China delegation; (2) Energy-Economic-Environment System Modeling and Analysis; (3) National and local Strategy Design for Energy and GHG Emission Mitigation; (4) International Climate architecture study, especially Post 2020 International Climate Regime; (5) Technology Roadmap Development and Needs Assessment; and (6) Mechanisms Design for Development, Transfer and Cooperation of ESTs.

Mr. GAO Xiang

Associate Professor, Energy Research Institute, National Development and Reform Commission

Dr. Gao received his Ph.D in environmental sciences from Fudan University in 2008. Gao has seven years experiences working as researcher in the field of energy, environmental protection and climate change issues, familiar with relevant policies of China and of main countries. He has also participated in the UNFCCC negotiation since 2009 as a member of the China delegation, focusing on the mitigation and transparency issues, familiar with the international and domestic

climate related MRV. Dr. Gao has also served as alternate member of the Compliance Committee of the Kyoto Protocol, and expert reviewer for the National Communications submitted by the developed countries under the UNFCCC and the Kyoto Protocol since 2014.

Mr. GUO Wei

Vice General Manager, Sino Carbon Innovation & Investment Co.,Ltd.(SCII)

Guo Wei, currently worked as a vice manager in Sino Carbon, which is focusing on pushing low carbon development in China. Starting from 2010, Guo Wei is actively participated the research and design of domestic ETS both at national level and pilot provincial level.

Before the founding of Sino Carbon in 2010, Guo Wei has a background of 5 years working experience in the energy sector from 2005 to 2010, worked as a team leader of technical group and deputy manager of CDM department in China Datang Group, responsible for the general technical management of the technical group, which have successfully registered more 100 CDM projects, including different types such as wind, hydro, biomass, natural gas and energy efficiency project.

During nearly ten years' working at carbon market field, Guo Wei are also actively involved in the writing of many books and articles about carbon market such as the Opportunities and Challenges to China's Energy Sector Brought by the Development of National ETS(Energy Magazine, February 2015), Carbon Market(Beijing: Science Press, July 2010),Core Standards and Procedures of the Development of Clean Development Mechanism Project (Beijing: China Environmental Science Press, September 2012), CDM Methodology Application Guideline(Beijing: China Environment& Science Press, January 2010),Clean Development Mechanism Project Development and Practice in China(Beijing: Science Press, January 2008), etc. As a ETS researcher, Guo Wei has taken many times of Carbon Market Themed Visits to EU countries from 2009, Learned many knowledge and experience on emission trading through visiting the different stakeholders in the carbon market of EU-ETS, and participated many international Carbon Market Themed workshop and meetings such Carbon Expo and World Banks' PMR meetings. Guo Wei has a Master's degree from Tsinghua University.

Ms. HU Min

Program Director, Low-Carbon Development, Energy Foundation China

Ms. Min Hu is the Program Director of the Low-Carbon Development Program at Energy Foundation China. She first joined EF China in 2004. Ms. Hu helped launch and was the first Program Officer of the Environmental Management Program. Major projects Ms. Hu and her team have managed include long-term energy demand scenarios studies, climate policy analyses, fossil fuel taxation, green financing, regional low carbon action plans, and environmental governance. Previously, she worked in the private sector for seven years. Ms. Hu received a BA in Economics from Renmin University, an MPA from Tsinghua University, and a Mid-Career MPA from Harvard Kennedy School. She also completed part-time doctoral program courses in environmental economics at Renmin University.

Mr. PANG Tao

Ph.D. candidate, Institute of Energy Environment and Economy, Tsinghua University

Tao Pang is a PhD student at the Institute of Energy Environment and Economy, Tsinghua University. His research focuses on carbon emissions trading, especially the emissions allowance allocation in China's National Emissions Trading Scheme. He has published articles in the refereed journals *Climate Policy* and *Energy & Environment*. He was a Visiting Scientist at the *ko-Institut* for half a year, in Berlin, Germany.

Ms. QI Yue

Assistant Professor, National Center for Climate Change Strategy and International Cooperation, National Development and Reform Commission

Dr. QI Yue graduated from Peking University in 2007 and received her Bachelor degree in environmental science. Then she received her Ph.D. degree in natural resources in 2013 under a joint doctoral training programme of the Chinese Academy of Sciences and Max-Planck Society (Germany). She joined the International Cooperation Department of the National Center for Climate Change Strategy and International Cooperation two years ago. Currently, she serves as a Chinese Delegate in the UNFCCC negotiation and mainly focuses on the negotiation on ADP Workstream 2, Multilateral Assessment as well as IAR outcome and issues relating to market and non-market mechanisms. She has also participated in the technical review of National Communication as a member of the Expert Reviewer Team. As a researcher, she is working on

the following areas: country studies on climate targets, progresses, as well as domestic policy and measures; transparency framework and methodologies; strategies for international climate cooperation; adaptation in urban area; global climate governance; national low-carbon development strategies; sectoral technology needs assessment of China; and emission trading system.

Mr. Robert STAVINS

Albert Pratt Professor of Business and Government, Harvard Kennedy School; Director, Harvard Project on Climate Agreements

Professor Stavins is also Director of the Harvard Environmental Economics Program, Director of Graduate Studies for the Doctoral Program in Public Policy and the Doctoral Program in Political Economy and Government, Co-Chair of the Harvard Business School-Kennedy School Joint Degree Programs, and Director of the Harvard Project on Climate Agreements. He is a University Fellow of Resources for the Future, a Research Associate of the National Bureau of Economic Research, Co-Editor of the Review of Environmental Economics and Policy, Editor of the Journal of Wine Economics, an elected Fellow of the Association of Environmental and Resource Economics, and a member of the Board of Directors of Resources for the Future, as well as the editorial boards of several journals. He was formerly the Chairman of the Environmental Economics Advisory Committee of the U.S. Environmental Protection Agency's Science Advisory Board. He was a Lead Author of the Second and Third Assessment Reports of the Intergovernmental Panel on Climate Change, and a Coordinating Lead Author of the Fifth Assessment Report. Professor Stavins' research has examined diverse areas of environmental economics and policy, and his work has appeared in a hundred articles in academic journals and popular periodicals, and several books. 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.

Mr. Robert STOWE

Manager, Harvard Project on Climate Agreements; Executive Director, Harvard Environmental Economics Program

Dr. Stowe has held both positions since 2007. The Harvard Environmental Economics Program develops innovative answers to complex environmental issues, by providing a venue to bring together faculty and graduate students from across Harvard University engaged in research,

teaching, and outreach in environmental and natural resource economics and related public policy. The Harvard Project helps identify and advance scientifically sound, economically rational, and politically pragmatic public policy options for addressing global climate change. Both are University-wide programs based in the Harvard Kennedy School. From 2003 through 2009, Dr. Stowe was Associate Director of the Science, Technology, and Public Policy Program and the Energy Technology Innovation Policy Research Group in the Kennedy School. Dr. Stowe has worked in non-profit, academic, and business organizations, including as Vice President of Programs of the Citizens Network for Foreign Affairs, which provides assistance in agriculture and agribusiness to developing countries, and as a consultant to the World Bank and other organizations on agricultural management projects. Stowe holds a Ph.D. in political science from the Massachusetts Institute of Technology and an A.B. in physics from Harvard College. He blogs on climate policy for *The Energy Collective*: <http://theenergycollective.com/users/robertstowe>.

Mr. TENG Fei

Associate professor, Institute of Energy, Environment and Economy, Tsinghua University

Fei TENG received his bachelor degrees in Mechanical Engineering and Applied Mathematics from Tsinghua University in 1998, and his MSc and Ph.D in Management Science in School of Public Policy and Management at Tsinghua University in 2003. He finished his postdoc research in ENSIC/CNRS, Nancy in year 2004. He is now an associate professor in Institute of Energy, Environment and Economy in Tsinghua University. He is also a lead author of IPCC 5th assessment report in WG III. He is the lead author of Second and Third China's National Assessment Report on Climate Change, member of drafting team for several key national documents, including National Plan on Climate Change and White Paper on Climate Change. He served as advisory experts for China's negotiation team under UNFCCC for many years. He is also member of BASIC expert group in BASIC ministerial meeting since 2011. His research interests include: climate policy, international climate regime, consumer behavior in energy consumption and energy modeling.

Mr. WANG Jijie

Department of CDM Management Center (Carbon Market Department), National Center for Climate Change Strategy and International Cooperation, National Development and Reform Commission

Mr. Wang graduated from Renmin University with a major in International Political Economy. He received his B.A and M.A. degree in 2012 and 2014. He joined National Center for Climate Change Strategy and International Cooperation (NCSC) in 2014 and is now a member of Department of CDM Management Center (Carbon Market Department). His main research field includes emission trading scheme, low-carbon finance, climate change and energy policy.

Mr. WANG Mou

Senior Fellow, Institute for Urban and Environmental Studies, Chinese Academy of Social Sciences

Mr. Wang received his PhD of science in 2005, major in Environment and climate change process. His Research interests include global climate regime, regional development strategy and planning, social dimensions of sustainable development, energy and environment security, and economics of the environment and natural resources. He is the Managing editor of the Chinese journal of Urban and Environmental Studies, Deputy Director of the division for sustainable development economics, Member of China delegation to UNFCCC, Member of China society for urban economics.

Mr. WANG Pu

Postdoctoral Research Fellow, Energy Technology Innovation Research Group and Harvard Project on Climate Agreements, Harvard Kennedy School

Dr. Wang will begin a postdoctoral research fellowship at the Harvard Kennedy School in September 2015. He received his Ph.D. degree from Cornell University in 2014, in the field of natural resources and environmental economics. His research is motivated by the great potential of market-based environmental policies in addressing social and environmental challenges associated to climate change. In particular, he is interested in the application of market-based policy in a context of socioeconomic inequalities. Both theoretical and empirical approaches are involved in his Ph.D. and postdoctoral projects on the relationship between market-based policy

and inequality. He will be a post-doctoral fellow at Harvard Kennedy School during the 2015-16 academic year and work on cap-and-trade systems in China. Pu Wang is serving as rapporteur and research assistant for the Harvard-NCSC project.

Mr. WU Dongsheng

Senior Economist and Director, Department of Climate Change, Shanxi Provincial Development and Reform Commission, China

Mr. Wu was until recently an Environment and Natural Resources Program fellow in the Harvard Kennedy School's Belfer Center for Science and International Affairs, and an Asia Energy and Sustainability Initiative fellow at the HKS's Ash Center for Democratic Governance and Innovation. Mr. Wu's recent research interests mainly focus on policy for climate change including renewable energy, carbon finance, carbon trading, carbon asset management, and low-carbon development. He is a senior economist and director of the Department of Climate Change, Shanxi Provincial Development and Reform Commission (SDRC), China. He is also an adjunct professor at the School of Economics and Management, Shanxi University, managing director of the Finance Association of Guanghua School of Management, Peking University, managing director of the Macroeconomic Research Association of Shanxi, managing director of the Export-oriented Economy Association of Shanxi, managing director of the Ecological Economic Society of Shanxi, managing director of the Engineering Consultants Association of Shanxi, and managing director of the Coalbed Methane Industry Association of Shanxi.

Mr. ZHANG Xiaohua

Director, Department of International Cooperation, National Center for Climate Change Strategy and International Cooperation, National Development and Reform Commission

Dr. Zhang received his Ph.D in nuclear engineering from Tsinghua University in 1999. In the past ten years, he has been deeply engaged in the international negotiations of climate change and researches on relevant issues and has rich experiences and knowledge in the area of climate change negotiation. Before joining the center, he worked in the UNFCCC secretariat for more than five years to support the negotiation process of Bali Action Plan specifically on technology and finance. From 1999-2007, he was assistant researcher of the Institute of Nuclear Energy Technology, Tsinghua University in the area of energy system analysis, mitigation policies. He was member of Chinese delegate to Climate Change Conference in 2003-2006.

Ms. ZHENG Shuang

Director, Department of CDM Management Center (Carbon Market Department), National Center for Climate Change Strategy and International Cooperation, National Development and Reform Commission

Ms. Zheng graduated from the University of Cambridge, majoring in environment and energy. She was in charge of establishing and implementing intergovernmental cooperation between China and European countries in environmental protection in International Cooperation Department, State Environmental Protection Administration from 1992 to 1996. From 1997 to 2012, she worked for Energy Research Institute, National Development and Reform Commission, and became deputy director of Energy, Environment, and Climate Change Research Center since 2009. To date, she is the director of CDM Project Management Department of NCSC. Her main research field includes carbon markets and carbon emissions trading, technology and policy on energy conservation, energy technology model, greenhouse gas emission reduction technology evaluation, economic model, and international climate change policy and negotiation.

Ms. ZHOU Li

Assistant professor, Institute of Energy, Environment and Economy, Tsinghua University

Zhou Li received her Bachelor and Ph.D. in department of Chemical Engineering, Tsinghua University. She is now an assistant professor of Institute of Energy, Environment and Economy in Tsinghua University. She is working on key technologies and national policies for climate change and energy issues. She hosted or participated in several important projects, sponsored by scientific and technological support research of 11th five-year plan, National 973 Program, National Natural Science Foundation of China, UNDP, Rockefeller Foundation, World Bank and so on. She published several papers, and her research results are recognized by world experts in the same field. Some of the results were adopted as important technical support for national policy making. She was also invited to write Global Energy Assessment (2012) and Impacts of Climate Change and Mitigation & Adaptation Actions (2012). And is invited as an expert to participate " Annual obligation trial assessment and evaluation work of controlling greenhouse gas emission targets", which is organized by the National Development and Reform Commission.

Mr. ZOU Ji

Deputy Director General, National Center for Climate Change Strategy and International Cooperation, National Development and Reform Commission

Before he worked for NCSC, Professor Zou served as China Country Director for a Washington based think tank, World Resources Institute (WRI), during 2009 and 2012, and also as Deputy Dean of the School of Environment and Natural Resources at Renmin University of China (RUC) during 2001-2012. He has also been nominated as an advisor for China delegation to U.N. Climate Talks during 2000-2009 and since 2012 to now, focusing on such issues as technology transfer and overall design of the 2015 Agreement. He was a lead author (LA) for the fourth Assessment Report of IPCC Working Group III and a coordinating lead author (CLA) for the fifth Assessment Report of IPCC Working Group III. He worked also as consultant for the World Bank, the Asian Development Bank, United Nations Development Program and other international organizations in the areas of environmental quality, low carbon urban planning, and studies on medium and long-term target for climate mitigation. He worked as a member of Intergovernmental Committee of Sustainable Development Financing mandated by UN Assembly and also has been engaged in the design of climate strategy of BRICS Development Bank recently.