

Beijing High-level Conference on Climate Change: Technology Development and Technology Transfer

7-8 November, Beijing, China

Co-organized by
The Chinese Government and The United Nations

Programme

FRIDAY, 7 NOVEMBER

OPENING SESSION AT THE GREAT HALL OF THE PEOPLE

8:50 – 9:00

Chair: **H.E. Mr. Zhang Ping**, Chairman, National Development and Reform Commission

Opening Address by Chinese Premier **H.E. Mr. Wen Jiabao**

HIGH-LEVEL SEGMENT AT THE GREAT HALL OF THE PEOPLE

9:00 – 12:30

Chair: **H. E. Mr. Xie Zhenhua**, Minister, National Development and Reform Commission

Keynote addresses: [H.E. Mr. Zhang Ping, Chairman, Minister, National Development and Reform Commission](#)

H.E. Mr. Sha Zukang, Under-Secretary-General for
Economic and Social Affairs, United Nations

Statement by **H. E. Mr. Ricardo Lagos**, President, Club of Madrid (former President of Chile), Special Envoy of UN Secretary-General on Climate Change

Statement by **H. E. Ms Connie Hedegaard**, Minister, Ministry of Climate and Energy, Denmark (Conference Co-sponsor)

Statement by **H.E. Mr. Tim Wirth**, President, UN Foundation (Conference Co-sponsor)

Statement by **H.E. Mr. Yvo de Boer**, Executive Secretary, UNFCCC

Statements by

G77 and China / Antigua and Barbuda H. E. Mr. Byron Blake, Ambassador, Permanent Mission of Antigua and Barbuda to the United Nations

European Union / France H. E. Mr. Brice Lalonde, Former Minister of the Environment and Ambassador for Climate Change Negotiations

Statements by heads of United Nations programmes and agencies

UNIDO Director-General, Mr. Kandeh Yumkella

Statements by Ministers

Argentina, H. E. Ms. Romina Picolotti, Secretary of State, Ministry of Environment and Development

Cambodia, H.E. Mr. Mareth Mok, Minister of Environment

Netherlands, H. E. Ms. Jacqueline Cramer, Minister of Housing, Spatial Planning and the Environment

Saudi Arabia, H.E. Mr. Ali Bin Ibrahim Al-Nuaimy, Minister of Oil and Mineral Resources

South Africa, H. E. Mr. M.C.J. van Schalkwyk, Minister of Environment and Tourism

United States of America H. E. Mr. James L. Connaughton, Chairman of the Council on Environmental Quality, Director of the White House Office of Environmental Policy

Statements by Vice-Ministers / Secretaries of State and Ambassadors for Climate Change

Australia, H.E. Mr. Howard P. Bamsey, Vice-Minister and Special Envoy on Climate Change

India, H. E. Mr. Vijai Sharma, Vice- Minister of Environment and Forests

Italy, Mr. Corrado Clini, Ministry for Environment, Land and Sea, Chairman of China-Italy Cooperation Committee

Japan, H. E. Mr. Kazuhiko Takemoto, Vice Minister for Global Environmental Affairs

Kazakhstan, H. E. Mr. Zeinulla Sarsenbaev, Vice Minister of Environmental Protection,

Lao PDR, H. E. Mr. Maydom Chanthanasinh, Vice President of National Authority for Science and Technology,

Mexico, H.E. Mr. Fernando Tudela, Vice Minister for Planning and Environmental Policy

Mongolia, H. E. Mr. Delgertsogt Davaadorj, Deputy Minister of Nature and Environment

Republic of Korea, H. E. Mr. Rae Kwon Chung, Ambassador for Climate Change, Ministry of Foreign Affairs and Trade,

Serbia, H. E. Mr Ivica Radovic, State Secretary, Ministry of Environment and Spatial Planning

Singapore, H.E. Ms. Rosa Daniel, Deputy Secretary, Ministry of Environment and Water Resources,

Sudan, H.E. EL Fadli Ali Adam, Under Secretary, Ministry of Environment and Physical Development

Sweden, H. E. Ms. Elisabet Falemo, Secretary of State, Ministry of Environment

Suriname, H. E. Ms. Rosemarie Shirley Defares, Permanent Secretary, Ministry of Labour, Technology Development

Zimbabwe, H.E. Ms. Margaret Mazvita Mukahanana, Permanent Secretary, Ministry of Environment and Tourism

WMO, Deputy Director-General, Mr. Hong Yan

UNDP, Mr. Khalid Malik, Resident Coordinator, China

Ministers and High-level Officials also present at the High-level Segment

Angola, H. E. Ms. Maria de Fatima Jardim, Minister of Environment; and
H. E. Mr. Orlando Manuel J.F. Mata, Vice-Minister, Science and Technology

Costa Rica, H.E. Mr. Cosante Carlos, Vice Minister of Science and Technology

Mali, H.E. Mr Aghaam Alhassane Ag, Minister of Environment

Spain, H.E. Ms. Christina Barrios, Special Ambassador on Climate Change, Ministry of

Foreign Affairs

Transfers to Beijing International Hotel

Lunch at Beijing International Hotel

13:00 – 14:30

THEMATIC ROUNDTABLES AT BEIJING INTERNATIONAL HOTEL

Track A: Status of Technology, Technology Transfer, Obstacles to Technology Transfer and Best Practices

Co-Chairs: Mr. Arthur W. Rolle, Director, Bahamas Meteorological Services, Bahamas, and Deputy Chair of UNFCCC's Expert Group on Technology Transfer (EGTT) and Mr. Zhang Xiliang, Institute of Energy, Environment, and Economy, Tsinghua University, Beijing, China

Session A1 14:30 - 16:00

Status of Technology Transfer and the Need for Technology Transfer to Developing Countries

Technologies, technology transfer and barriers

- Mr. Jose Roberto Moreira, Professor of Physics and Energy, Universidade de São Paulo, Brazil

Technology transfer for clean coal technology

- Ms. Barbara McKee, Director, Office of Clean Energy Collaboration, U.S. Department of Energy, Washington, D.C. United States

Cross-border low carbon technology transfer: Case study in China

- Mr. He Jiankun, Professor, School of Economics and Management, Tsinghua University, Beijing, China

International technology Cooperation and technology transfer: Perspectives and experiences of the private sector

- Mr. Jim Mahoney, Managing Director, Cleantech Company, US/China

Climate change: Risks and adaptation technologies

- Mr. Mohan Munasinghe, Chairman, Munasinghe Institute for Development (MIND), Sri Lanka, and Director-General, Sustainable Consumption Institute (SCI), Manchester University, United Kingdom

EU Views on enhancing technology development and diffusion

- Mr. Zitouni Ould-Dada, Climate Change Negotiator, Division for European and International Affairs, Sustainable Development Department, Paris, France

Questions and Answers and interactive discussion

Tea Break

Thematic Roundtable 16:30 – 18:00

Technology Needs for Transitioning to a Low-Carbon Economy

Co-Moderators: Mr. Ogunlade Davidson, Professor of Engineering and Dean of Post-graduate Studies, University of Sierra Leone, Sierra Leone, and Co-Chair of IPCC Working Group III; and

Mr. Han Wenke , Director, Energy Research Institute, Beijing, China

Panelists:

- **Mr. Robert K. Dixon**, Team Leader Climate Change and Chemicals, Global Environment Facility (GEF), Washington, D.C.
- **Mr. Thomas Becker**, Head of Department, Ministry of Energy and Climate Change, Copenhagen, Denmark
- **Ms. Xiaoli Shi**, General Manager, Shell Global Solutions, Beijing, China

Interactive discussion between panelists and participants

SATURDAY, 8 NOVEMBER

Session A2 9:00 – 10:30

Barriers and Obstacles to Technology Transfer: Country Experiences and Lessons Learned

Barriers for technology transfer in renewable energy

- **Mr. Shi Lishan**, Bureau of Energy, National Development and Reform Commission, Beijing, China

Experience in technology transfer

- **Mr. Shozo Kaneko**, Professor, University of Tokyo, Japan

Requirements for technology transfer and adaptation prioritization

- **Mr. Lin Erda**, Professor, Agro-Environment and Sustainable Development Institute, Chinese Academy of Agricultural Sciences, Beijing, China

Technology development and technology transfer: Experiences from Latin America

- **Mr. Luiz Pinguelli Rosa**, Federal University of Rio de Janeiro, Brazil

Policy Interventions to promote publicly funded environmentally sound technologies in Asia and the Pacific

- **Mr. Liu Hong Peng**, Economic Affairs Officer, United Nations Economic and Social Commission for Asia and the Pacific, Bangkok, Thailand

Promoting cleaner technologies among SMEs and technology transfer: Experiences from India

- **Mr. Prosanto Pal**, Senior Fellow, Energy Environment Technology Division, Tata Energy Research Institute, New Delhi, India.

Questions and Answers and interactive discussion with participants

Tea Break

Thematic Roundtable 11:00 – 12:30

Best Practices for Technology Transfer

Co-Moderators: Ms. Karine Hertzberg, Senior Advisor, Ministry of Environment, Norway, and Mr Terence Siew, Director, Ministry of the Environment and Water Resources, Singapore

Panelists:

- **Hugo G. von Meijenfeldt**, General Director for International Affairs, Ministry of Housing, Spatial Planning and the Environment, the Netherlands
- **Mr. Joerg Moczadlo** German Technical Cooperation (GTZ), Beijing, China
- **Mr. Lv Huaxiang**, China Nuclear Power Technology Co. Ltd. , Beijing, China
- **Mr. Hezron Mogaka**, Director, Ministry of Environment and Mineral Resources, Nairobi, Kenya

Interactive discussion between panelists and participants

FRIDAY, 7 NOVEMBER

Track B: Mechanisms for Overcoming Barriers and Obstacles to Technology Transfer

Co-Chairs: **Mr. Thomas Heller**, Professor, Stanford University, United States, and **Mr. Zou Ji**, Professor, School of Environment and Natural Resources, Renmin University, Beijing, China

Session B1 14:30 – 16:00

Establishment of Mechanisms under the UNFCCC

Technology needs and needs assessments, technology information, enabling environments, capacity building and mechanisms

- **Mr. Jukka Uosukainen**, Director-General, International Affairs Unit, Ministry of the Environment, Helsinki, Finland, and Chair of the UNFCCC's Expert Group on Technology Transfer (EGTT)

China's perspectives on technology transfer

- **Mr. Su Wei**, Director General, Department of Climate Change, National Development and Reform Commission, Beijing, China

Mechanisms for development and transfer of environmentally sound technologies (tbc)

- **Mr. Erik Haites**, President, Margaree Consultants, Canada

Reforms of institutional arrangements under the UNFCCC on development and transfer of technologies

- **Mr. William Agyemang-Bonsu**, Environmental Protection Agency Accra, Ghana

Mechanisms for the acceleration of technology transfer

- **Mr. Kazuhiko Hombu**, Director-General for Natural Resources and Energy Policy, Ministry of Economy, Trade and Industry, Tokyo, Japan

Perspectives for mechanisms to promote international technology cooperation and technology transfer

- **Ms. Ana Maria Kleymeyer**, Advisor to the Secretary, Secretariat on Environment and Sustainable Development, Buenos Aires, Argentina

Questions and Answers and interactive discussion with participants

Tea Break

Thematic Roundtable 16:30 – 18:00

Options for New Mechanisms to Bridge the Technology Transfer and Financing Gaps in Addressing Climate Change

Co-Moderators: **Ms. Wanna Tanunchaiwatana**, Manager, Technology Unit, UNFCCC Secretariat, Bonn, Germany, and **Mr. Fredrik von Malmberg**, Senior Adviser, Environmental Protection Agency, Sweden,

Panelists:

- **Mr. Carter Brandon**, Lead Environmental Specialist, World Bank, Beijing, China
- **Mr. Kok Kee Chow**, Former Administrator, Malaysian Metrological Bureau, Kuala Lumpur, Malaysia
- **Mr. Anil Terway**, Director, Energy Division, East Asia Department, Asian Development Bank, Manila
- **Ms. Kelly Sims Gallagher**, Adjunct Lecturer, Belfer Center for Science and International Affairs, Harvard Kennedy School, United States

Interactive discussion between panelists and participants

SATURDAY, 8 NOVEMBER

Session B2 9:00 – 10:30

Innovative Ideas for Intellectual Property Rights (IPR)

Overview on the role of Intellectual Property Rights in technology transfer to developing countries

- **Mr. Krishna Ravi Srinivas**, Research and Information System for Developing Countries (RIS), New Delhi, India

Does TRIPS facilitate or impede climate change technology transfer into developing countries?

- **Mr. Cameron Hutchinson**, Associate Professor, University of Alberta, Edmonton, Canada

Reforms of IPR management to promote diffusion of climate-friendly technologies

- **Mr. Martin Khor**, Director, Third World Network, Malaysia

The Eco Patent Initiative of the World Business Council for Sustainable Development

- **Mr. Philip Reuchlin**, Manager, Regional Network, World Business Council for Sustainable Development, Geneva, Switzerland

IRP and technology transfer: Perspectives from Europe

- **Mr. Carlo Pandolfi**, Project Leader of EU-China IPR Cooperation Programme, Beijing, China

Questions and Answers and interactive discussion with participants

Tea Break

Thematic Roundtable 11:00 – 12:00

Intellectual Property Rights: Enabler for Innovation or Barrier to Technology Transfer?

Co-Moderators: **Mr. Taishi Sugiyama**, Leader of Climate Policy Project, Central Research Institute of Electric Power Industry (CRIEPI), Japan, and **Ms Kathleen Abdalla**, Acting Director, Division for Sustainable Development, UN Department of Economic and Social Affairs

Panelists:

- **Mr. Mustapha Kamal Gueye**, Senior Programme manager, Environment, International Centre for trade and Sustainable Development (ICTSD), Geneva, Switzerland
- **Mr. Carlos Mazal**, Senior Counsellor, World Intellectual Property Organization (WIPO), Geneva, Geneva, Switzerland

Questions and answers and interactive discussion with panelists

FRIDAY, 7 NOVEMBER

Track C: Public and Private Sectors: Roles and Potential Collaboration

for Technology Transfer

Co-Chairs: **Mr. Tariq Banuri**, Senior Fellow, Stockholm Environment Institute (SEI), and **Mr. Zhou Dadi**, Energy Research Institute, National Development and Reform Commission, Beijing, China

Session C1 14:30 – 16:00

Roles of Public and Private Sectors

Public-private partnerships and transfer of clean technologies under the Asia-Pacific Partnership

- **H. E. Mr. Harlan Watson**, Ambassador and Special Envoy to the UNFCCC, Department of State, Washington, D.C., United States

Public-private roles & partnerships for innovation and technology transfer

- **Ms. Cath Bremner**, Head of Corporate Development, the Carbon Trust, United Kingdom

The role of publicly funded technology: Experiences from Republic of Korea

- **Mr Rae Kwon Chung**, Climate Change Ambassador, Ministry of Foreign Affairs and Trade, Seoul, Republic of Korea

Public-private roles in technology development in China

- **Mr. Wang Yuan**, Vice President, China Research Institute of Technology Development Strategy, Beijing, China

Issues and trends in the development and transfer of energy efficiency technologies: IEA studies and perspectives

- **Mr. Richard Bradley**, Head of the Energy Efficiency & Environment Division, International Energy Agency (IEA), Paris, France

The role of the public and private sector in combating climate change

- **Mr. Gao Guangsheng**, Director General, Department of Climate Change, National Development and Reform Commission, Beijing, China

Questions and Answers and interactive discussion with participants

Tea Break

Thematic Roundtable 16:30 – 18:00

Private Sector Expectations: How Can Risks Be Minimized?

Co- Moderators: **Ms. Sylvie Lemmet**, Director, Division of Technology, Industry and Economics, United Nations Environment Programme (UNEP), Paris, France, and **Mr. Suk Hyung Lee**, President, Daesung Group, and Member of World Energy Council, Republic of Korea;

Panelists:

- **Mr. Shigeru Azuhata**, General Manager, Environment Strategy Office, Hitachi, Japan,
- **Mr. Wu Yong**, Deputy Director General, Department of Science and Technology, Ministry of Housing and Urban-Rural Development , Beijing, China
- **Ms. Wu Chang Hua**,

Interactive discussion between panelists and participants

SATURDAY, 8 NOVEMBER

Session C2 9:00 – 10:30

Public-Private Sector Collaboration and Partnerships

Perspectives of technology development and cooperation in biofuels

- **Mr. Luiz Alberto Figueiredo Machado**, Director General, Department of Economic and Special Affairs, Ministry of External Relations, Brazil

Perspectives for enhancing international cooperation on technology development and technology transfer

- **Mr. Corrado Clini**, Director General, Department for Global International and Regional Conventions, Ministry for the Environment, Land and Sea, Rome, Italy

Enhancing technology development and technology transfer: Experiences of the renewable energy industry in China

- **Mr. Zhenrong Shi**, Founder, Chairman of the Board and Chief Executive Officer, SUNTECH, Beijing, China

North-South and South-South Business and Technology Cooperation

- **Mr. Wang Jiming**, China Business Council for Sustainable Development, Beijing, China

International technology cooperation for climate protection

- **Mr. Kunihiko Shimada**, Principal International Policy Coordinator/ Principal International Negotiator, Ministry of the Environment, Tokyo, Japan

International support for technology transfer under the implementation of the Montreal Protocol: Experiences of UNIDO

- **Mr. Alessandro Amadio**, Technical Adviser, United Nations Industrial Development Organization (UNIDO)

Questions and answers and interactive discussion with participants

Tea Break

Thematic Roundtable 11:00 – 12:00

Perspectives for Public-Private Partnerships to Enhance Technology Transfer

Co- Moderators: H. E. **Mr. James L. Connaughton**, Chairman, White House Council on Environmental Quality, United States, and **Mr. Siva Thampi**, Director, Division of Environment and Sustainable Development, UN Economic and Social Commission for Asia and the Pacific, Bangkok, Thailand

Panelists:

- **Mr. Jack Wen**, President, General Electric Energy Group China Ltd. , US/China
- **Mr. Wang Zhixuan**, Director, Department of Sector Development, Association of Electric Power Enterprises of China, Beijing, China
- **Mr. Cao Zhen**, Director, Department of Science, Technology and Environmental Protection, China Association of Iron and Steel Industry, Beijing, China
- **Ms. Gwen Andrews**, Vice-President, Power and Environmental Policy (Australia/Asia) Alstom Power Systems, Sydney, Australia
- **Mr. Li Junfeng**, Deputy Director-General, Energy Research Institute (ERI), NDRC, China

Interactive discussion between panelists and participants

12:00 – 14:30 lunch

SATURDAY, 8 NOVEMBER

PLENARY AND CLOSING SESSION

15:00 – 16:30

Co-Chairs: **Mr. Xie Zhenhua**, Minister, National Development and Reform Commission, China, and **Mr. Sha Zukang**, United Nations Under-Secretary-General, UN DESA,

- **Co-Chairs of Tracks A, B, and C Report to Plenary**

Track A (Technologies) : Report by **Mr. Arthur W. Rolle**, Director, Bahamas Meteorological Services, Bahamas, and Deputy Chair of UNFCCC's Expert Group on Technology Transfer (EGTT) and **Mr. Zhang Xiliang**, Institute of Energy, Environment, and Economy, Tsinghua University, Beijing, China

Track B (Mechanisms) : Report by **Mr. Thomas Heller**, Professor, Stanford University, United States, and **Mr. Zou Ji**, Professor, School of Environment and Natural Resources, Renmin University, Beijing, China

Track C (Roles of public and private sectors) : Report by **Mr. Tariq Banuri**, Senior Fellow, Stockholm Environment Institute (SEI) and **Mr. Zhou Dadi**, Energy Research Institute, National Development and Reform Commission, Beijing, China

- **Beijing High-level Statement on Technology Development and Technology Transfer for Technology Transfer**

Report by facilitator:

Mr. Mohamed El-Ashry, former CEO of GEF, Advisor to UN Foundation

- **Statements by delegations**

Poland, H.E. Mr. Janusz Reiter, Ambassador for Climate Change, Ministry of Foreign Affairs

- **Chairman's Summary**

H. E. Mr. Xie Zhenhua, Minister, National Development and Reform Commission

Tea break

17:00 – 18:00 **Press Conference**