

WELCOME NOTE



I am delighted to welcome you to DSDS-2011. We are privileged to have you as part of what is now clearly the premier global event dealing with sustainable development. It is satisfying indeed to see so many world leaders focusing on the imperatives of creating a pattern of development, which is sustainable in all respects.

An important challenge to be met as part of this effort is to deal with the growing problem of human-induced climate change. In this regard—as in other aspects of sustainable development—it is important for us to emulate and scale up a large number of praiseworthy initiatives that are taking place in several parts of the world, raising optimism and confidence. The theme of DSDS-2011 '**Tapping local initiatives and tackling global inertia**' clearly highlights the importance of local action even in the face of global torpor, which must, of course, give way to dynamism worldwide aided by local action in the right direction.

We earnestly hope that you would find your participation in the Summit productive and pleasant. My colleagues and I at TERI promise to ensure that DSDS-2011 would be a memorable experience for you at both professional and personal levels.

A handwritten signature in black ink, appearing to read 'R K Pachauri', written in a cursive style.

R K Pachauri
Director-General, TERI



World Sustainable
Development Forum

DSDS 2011



Delhi Sustainable Development Summit

Tapping Local Initiatives and Tackling Global Inertia

3–5 February 2011

Hotel Taj Palace, New Delhi, India

BACKGROUND NOTE



BACKGROUND NOTE

It was in 1992 that the global community came up with the UN Framework Convention on Climate Change. The spirit prevailing at the time generated a great deal of optimism that the world would mount concerted efforts on a multilateral basis to deal with the challenge of climate change. This Framework Convention was driven by the scientific assessment of climate change provided by the Intergovernmental Panel on Climate Change (IPCC) in its First Assessment Report (FAR), which was produced in 1990. However, since then, negotiations on a firm commitment on the part of the most prosperous countries have not proceeded according to expectations. The Kyoto Protocol, which was agreed on in 1997, did not receive ratification from two major nations, namely, the USA and Australia. In fact, it took eight years for the Protocol to formally come into effect. While the countries that ratified the Kyoto Protocol accepted the specific targets for emissions reduction as laid down in its provisions, several nations have appeared to fall short of these targets laid down for the terminal year of 2012, which marks the end of the first commitment period of the Protocol. Furthermore, there is as yet no indication about what would replace the Kyoto Protocol in the designated second period (post-2012). Negotiations for further action have moved slowly, and despite some progress achieved in the recently concluded 16th Conference of the Parties (CoP 16), there is, as yet, no basis for concluding that a binding agreement involving a range of actions to deal with the mitigation and adaptation activities to address the challenge of climate change is round the corner.

Against this background and the overwhelming evidence on heightened impacts of climate change as well as the attractiveness of mitigation measures for a variety of reasons, there is need for worldwide action

to deal with this major challenge facing mankind. While a multilateral agreement is an extremely desirable objective, on a rational basis there is also need for action at the national and sub-national levels in different parts of the world. It is particularly heartening to observe that in many societies several solutions have been implemented without the pressure of any multilateral agreement, but driven by a range of other national considerations. It is for this reason that several societies with similar income levels and technological capacities display a wide divergence in the emissions intensity of growth. It is, therefore, time that the global community evaluates these options and implements them effectively through a restructuring of policies and designing of suitable incentives and disincentives. These actions cover both mitigation and adaptation measures, since as the IPCC has clearly revealed, the challenge cannot be met effectively by focusing only on one or the other.

It is for this reason DSDS-2011 is based on the theme 'Tapping local initiatives and tackling global inertia'. While the multilateral process would, it is hoped, tackle effectively—and in a reasonably short period of time—the inertia in global actions and negotiations, there is great benefit both at the local and the global levels in tapping initiatives that are making a difference and providing substantial benefits to local communities, and thereby generating huge potential for benefits at the global level as well.

Bottom-up studies assessed in the Intergovernmental Panel on Climate Change (IPCC) Fourth Assessment Report (AR-4) show that mitigation opportunities with net negative costs have the potential to reduce emissions by about six gigatonnes (Gt) of CO₂ equivalent per year in 2030. It is also stated that realizing this potential would require dealing with institutional barriers. The economic mitigation potential, which is generally greater than the market potential, can only be achieved when adequate

policies are in place and barriers removed. Hence, in DSDS-2011 there would be a focused discussion on some of these existing barriers and means by which these could be removed, so that local initiatives, which may be relatively few at present, can become a global reality within a short period of time. This, by itself, would be an extremely effective approach for tackling global inertia, and for creating the conditions by which, perhaps, a satisfactory global agreement can be arrived at soon.

DSDS-2011, through its focus on noteworthy local initiatives, would be able to create momentum and a strong foundation for a global agreement possibly in the next CoP at Durban, South Africa. This would be a reaffirmation of the fact that local initiatives are the essential building blocks for global action, which would be undertaken as part of a possible global agreement.



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AGENDA



AGENDA

Day 1: Thursday, 3 February 2011

8:00–9.30 am

Registration

9.30 am

Delegates assemble at the Durbar Hall

10:00–10:30 am

Inauguration by

**INAUGURAL
SESSION**

- **Dr Manmohan Singh**, Hon'ble Prime Minister, Government of India

10.30–11.30 am

Policy Challenges for Sustainable Growth

**KEYNOTE
ADDRESSES BY
LEADERS
(VIP PANEL 1)**

As developing nations look to fast-track economic growth, issues relating to climate change have occupied centre stage. Global leaders in this panel will talk about the divergent challenges they face while shaping national and sub-national level policies and elaborate on the role that leadership plays in inspiring the public towards such policies.

Moderator

- **Ambassador C Dasgupta**, Distinguished Fellow, TERI

Speakers

- **H E Mr Hamid Karzai**, President, Islamic Republic of Afghanistan
- **H E Dr Leonel Fernández**, President, the Dominican Republic
- **H E Mr James Alix Michel**, President, Seychelles

11.30–12:00 pm

Cancun and beyond

- **H E Mr Juan Elvira**, Minister of Environment and Natural Resources, Mexico

12:00–1:00 pm

Moderator

**SPECIAL
ADDRESS 1**

- **Mr Nitin Desai**, Former Under-Secretary-General of the United Nations & Distinguished Fellow at TERI

Speakers

- **Lord Meghnad Desai**, Professor Emeritus, Centre for the Study of Global Governance, London School of Economics
- **Prof. Jeffrey D Sachs**, Director, Earth Institute & Special Advisor to the Secretary-General of the United Nations

1:00–2:00 pm

Lunch – hosted by



2:00–3:15 pm

Leveraging efforts across the world

With many inspiring and innovative adaptation and mitigation programmes already underway at the local level, attention needs to shift towards leveraging these initiatives into the aggregate global momentum. This demands a coordinated multilateral response. The panel will explore the most effective ways in which multilateral and other organizations can design, implement, and mainstream such local efforts towards sustainable development at the global level.

Moderator

- **Ms Aimee Christensen**, Founder and CEO, Christensen Global Strategies and Partner, World Climate Summit, USA

Speakers

- **Mr Juan P Bonilla**, Chief of Climate Change Unit, Inter-American Development Bank, USA
- **HE Mr Clement Gignac**, Minister for Economic Development, Innovation and Export, Quebec
- **Mr Pierre Jacquet**, Chief Economist, French Development Agency
- **Dr Gretchen Kalonji**, Assistant Director-General for the Natural Sciences, UNESCO

- **Dr Artur Runge-Metzger**, Director, European Commission, DG Climate Action of the European Commission, Brussels
- **Dr Ursula Schaefer-Preuss**, Vice-President, Knowledge Management and Sustainable Development, Asian Development Bank
- **Dr Leena Srivastava**, Executive Director, TERI

3.15–4.30 pm

Creating a Sustainable Energy Future

The quest for energy security merits a review of energy policies and strategies in emerging economies. For a variety of environmental, economic, and social reasons the spotlight is on renewables. Are renewables set to make a significant impact on global energy markets? This panel will explore the impact of government policies and private sector initiatives to meet the growing domestic demand and in achieving a clean and sustainable energy future.

Moderator

- **Mr Terry Tamminen**, CEO & Founder of Seventh Generation Advisors, USA

Speakers

- **Mr Peter William Greenwood**, Group Executive Director – Strategy, CLP Holdings Limited
- **Mr Deepak Gupta (IAS)**, Secretary, Ministry of New and Renewable Energy, Government of India
- **Dr Tayeb Kamali**, Vice Chancellor, The Higher Colleges of Technology, Dubai
- **Mr Amit Kumar**, Director, Energy Environment Technology Development, TERI
- **Mr Peter Lehner**, Executive Director, Natural Resources Defense Council, USA

- **Dr. Abdulbasit Salem Sairafi**, Deputy Assistant for Sustainable Development, Saudi Arabia
- **Dr Youba Sokona**, Coordinator, United Nations Economic Commission for Africa, Ethiopia
- **Mr Harry Verhaar**, Senior Director-Energy and Climate Change, Philips Lighting, The Netherlands

4.30–5.00 pm
SPECIAL
ADDRESS 2

Financing Technology Deployment in Asia

Moderator

- **Dr R K Pachauri**, Director-General, TERI

Speaker

- **Mr Haruhiko Kuroda**, President, Asian Development Bank, Philippines

5:00–6.15 pm

Tapping local initiatives in Africa

While the African continent is already facing immense pressures from climate change, it is also home to some inspiring and innovative local-level initiatives, which are worthy of emulation. The panel will explore why these initiatives are successful, and importantly, what they can teach the rest of the world. Policies to promote their widespread replication will also be explored.

Moderator

- **Dr Ligia Noronha**, Director, Resources, Regulation and Global Security, TERI

Setting the theme

- **Mr Abdoulie Janneh**, Under-Secretary-General and Executive Secretary, United Nations Economic Commission for Africa, Addis Ababa, Ethiopia

Speakers

- **Dr Habtemariam Abate**, Pan-African Climate Justice Alliance (PACJA), Ethiopia

- **Mr Negusu Aklilu**, Director, Forum for the Environment, Ethiopia
- **Dr Araya Asfaw**, Executive Director, Horn of Africa Regional Environment Centre, Ethiopia
- **H E Mr Laurent Sedogo**, Minister of Agriculture, Water Resources and Fisheries, Burkina Faso
- **Prof. Sabine Troeger**, Head, Climate Change Partnership Programme, Horn of Africa Regional Environment Centre, Ethiopia
- **Dr Anthony Okon Nyong**, Division Manager, Environment and Social Protection, African Development Bank

6:15–7.00 pm

The LaBL Journey

7.00 onwards

Reception and Dinner

Day 2: Friday, 4 February 2011

9:10–9:30 am
SPECIAL
ADDRESS 2

Moderator

- **Mr S Sundar**, Distinguished Fellow, TERI

Speaker

- **Mr Jairam Ramesh**, Minister of State (Independent Charge) for Environment and Forests, Government of India

9:30–10:30 am
KEYNOTE
ADDRESSES BY
LEADERS
(VIP PANEL 2)

Transformational leadership for sustainable development

The world needs transformational leadership that can chart out clear pathways towards sustainable growth. Such leadership will be visible through enabling policies and government action. The panel will highlight examples which have the potential to create an early and significant global impact.

Moderator

- **Mr Nitin Desai**, Former Under-Secretary-General of the United Nations & Distinguished Fellow at TERI

Speakers

- **HE Mr Ricardo Lagos**, Former President, Chile
- **Mr Esko Aho**, Former Prime Minister of Finland, and Executive Vice-President, Member of the Group Executive Board, Nokia Corporation, Finland
- **HE Dr Gro Harlem Brundtland**, Former Prime Minister of Norway and Member of the UN Secretary-General's Global Sustainability Panel, Norway
- **Lord John Prescott**, Former Deputy Prime Minister, UK, Former Secretary of State for the Environment, Transport and the Regions, Member of Parliament for Hull East, UK

10:30–10:45 am

Tea

10:45–12.00 pm

Innovative Policies for Sustainable Development

Innovation at the sub-national government level is a must in our transition to a sustainable future. How can we encourage the establishment of multi-stakeholder platforms in the creation of a green economy and a clean energy future at every level? This panel will explore what can be learned from examples of innovations already in place in cities, states, and provinces in various countries.

Moderator

- **Mr Ashok Jaitly**, Distinguished Fellow and Director, Water Resources Division, TERI

Speakers

- **H E Dr Tawfiq-e-Elahi Chowdhury**, Bir Bikram, Hon'ble Adviser to the Hon'ble Prime Minister, Bangladesh

- **Mr Shyam Nokta**, Adviser to the President and Head, Office of Climate Change, Office of the President, Guyana
- **Mr Digvijaya Singh**, Former Chief Minister of Madhya Pradesh & General Secretary, Indian National Congress, India
- **Mr Mutsuyoshi Nishimura**, Special Advisor to the Cabinet in charge of Climate Change, Japan
- **H E Mr Salifou Sawadogo**, Minister for Environment and Sustainable Development, Government of Burkina Faso
- **Mr Marek Skolil**, Director General of the Division for Economic Cooperation and Country Promotion, Ministry of Foreign Affairs of the Czech Republic (MFA), Prague

12:00–1:30 pm
**MINISTERIAL
 SESSION I**

Building a New Future

Many national governments are already taking actions to reduce carbon emissions, protect biodiversity, and use the natural resource wealth of their nations sustainably. This panel will address some of the national-level programmes and policies that have created a global impact and derive lessons for the future.

Moderator

- **H E Mr Brice Lalonde**, Former Minister of Environment, France

Speakers

- **Lyonpo Dr Pema Gyamtsho**, Minister for Agriculture, Ministry of Agriculture and Forests, Bhutan
- **Hon. Stéphane Dion**, MP, House of Commons, Saint-Laurent, Canada
- **H E Ms Paula Lehtomaki**, Minister of Environment, Finland

- **H E Dr Luis Alberto Ferraté**, Minister of Environment and Natural Resources, Guatemala
- **Dr Farooq Abdullah**, Union Minister for New and Renewable Energy, Government of India
- **H E Ms Tora Aasland**, Minister for Research and Higher Education, Norway
- **HE Mr Hameed Ullah Jan Afridi**, Minister for Environment, Pakistan

1:30–2.45 pm

Lunch

2:45–3.15 pm

NOBEL

PERSPECTIVE 1

“Sustainability: The Road Towards Robust Global Recovery”

Moderator

- **Mr Vikram Chandra**, CEO and Managing Director, NDTV Networks PLC, India

Speaker

- **Nobel Laureate Prof. Joseph Stiglitz**, Professor, Columbia University, USA

3:15–4:30 pm

Integrating Civil Society in the Development Process

Civil society has to be an active participant in framing issues, setting societal goals, preparing plans, and implementing local-level actions. There is a need for creating institutional channels through which this segment of society can engage with governments and the private sector. The panel will examine effective ways to involve various citizen groups thereby working towards a broad-based, consensus-driven approach to development.

Moderator

- **Mr Carl Pope**, Chairman, The Sierra Club, USA

Speakers

- **Mr Jorgen M Clausen**, Chairman, Danfoss, Denmark
- **Ms Aban Marker Kabraji**, Regional Director, Asia, International Union for Conservation of Nature and Natural Resources (IUCN), Thailand
- **Ms Julie Katzman**, Executive Vice-President, International Development Bank (IDB)
- **Mr A G Kawamura**, Former Secretary, Department of Food and Agriculture, Government of California, USA
- **Dr Ajay Mathur**, Director General of the Bureau of Energy Efficiency, India
- **Prof. Luigi Paganetto**, IEA Secretary General and Tor Vergata Economics Foundation President, Italy
- **Mr I H Rehman**, Director, Social Transformation, TERI

4:30–4.45 pm

Tea

4:45–5:15 pm

NOBEL

PERSPECTIVE 2

“Bearing the Costs”

Moderator

- **Mr Vikram Chandra**, CEO and Managing Director of NDTV Networks PLC, India

Speaker

- **Nobel Laureate Sir James A Mirrlees**, Professor of Political Economy, University of Cambridge, UK

5:15–6.30 pm

Business Practices Accelerating Local Progress

Business has a long-term stake in sustainable development of local communities. With this focus, businesses are increasingly realizing that there is a strong synergy between

sustainable actions at the local level and profitable practices in corporations. This panel will focus on how the corporate sector could provide impetus to local actions and highlight shared responsibilities.

Moderator

- **Mr Björn Stigson**, President, World Business Council for Sustainable Development (WBCSD), Switzerland

Speakers

- **Mr Suresh Goyal**, Head of Green Research, Bell Labs
- **Mr Harri Kerminen**, President and CEO of Kemira, Finland
- **Ms Naina Lal Kidwai**, Group General Manager and Country Head, HSBC India, New Delhi
- **Mr Glenn Schmidt**, Head of Steering Governmental Affairs, BMW Group, Germany
- **Mr Rajiv Bawa**, Executive Vice President, Uninor, India
- **Ms Lakshmi Venkatachalam**, Vice-President (Private Sector and Cofinancing Operations), Asian Development Bank, Philippines
- **Ms Therese M Gearhart**, Group Director, Marketing, Commercial, and Customer Leadership-Eurasia Africa Group, The Coca-Cola Company
- **Mr Venkatesh Valluri**, President, Ingersoll-Rand (India) Ltd

06.30 pm onwards

Cocktail reception – hosted by French Development Agency (AFD)



(Launch of the book *Oceans – the New Frontier* (A Planet for Life Series) Edited by Pr. Laurence Tubiana (IDDRI), Dr R K Pachauri (TERI), Mr Pierre Jacquet, Chief Economist, AFD)

Day 3: Saturday, 5 February 2011

9:15–9:45 am
SPECIAL
ADDRESS 3

Moderator

- **Dr Prodipto Ghosh**, Distinguished Fellow, Earth Science and Climate Change, TERI

Speaker

- **Mr Montek Singh Ahluwalia**, Hon'ble Deputy Chairman, Planning Commission, India

9:45–11:00 am

Vulnerability and Resilience in the Context of Climate Change

Many populations around the world are increasingly vulnerable to climate change, and many more will become so in the near future. How will they adapt and what are the steps that need to be taken by organizations and governments around the world to assist them? This panel will discuss how to strengthen local capacities and to equip these communities with greater resilience.

Moderator

- **Mr Suman K Bery**, Director General, National Council of Applied Economic Research

Speakers

- **Mr Gregory Dalton**, Vice-President of Special Projects & Director of Climate One Project, The Commonwealth Club of California
- **Mr Bart W Édes**, Director, Poverty Reduction, Gender and Social Development, Regional and Sustainable Development Department, Asian Development Bank, Philippines
- **Dr Rathana peou van den Heuvel**, Associate Professor, University of Liberal Arts, Bangladesh
- **Dr Wakako Hironaka**, Former Member, House of Councillors, Japan

- **Dr Arabinda Mishra**, Director, Earth Science and Climate Change, TERI, India
- **Dr Laurence Tubiana**, Institut de développement durable et des relations internationales (France)

11:00–11:30 am
NOBEL
PERSPECTIVE 3

Transforming Societies for a Sustainable Future

Moderator

- **Mr Sunit Tandon**, Director, Indian Institute of Mass Communication (IIMC), India

Speaker

- **Nobel Laureate Dr Yuan-Tseh Lee**, President Emeritus, Academia Sinica, Taiwan

11.30–11.45 am

Tea

11:45–1:00 pm

Building Awareness to Propel Local Initiatives

Widespread adoption of local initiatives requires all stakeholders to be fully informed about the impacts of their actions. Understanding the challenge can empower and inspire people to be part of the solution. Creating awareness is the first step towards propelling local-level initiatives into global action. This panel will explore exactly how awareness can effectively lead to actions at the local level.

Moderator

- **Mr Darryl D'Monte**, Chairperson, Forum of Environmental Journalists of India, India

Speakers

- **Mr Henry Saint Bris**, Senior Vice-President Strategy, SUEZ Environnement, France

- **Ms Akanksha Chaurey**, Director, Decentralized Electricity Solutions, TERI
- **Mr Richard Dent**, CEO, Climatecom Strategies, UK
- **Mr Bittu Sahgal**, Editor, Sanctuary Asia and Sanctuary Cub Magazines, India
- **Dr Nelson Sam**, Global Managing Director, Advisory Services, Point Carbon, Sales & Trading, Thomson Reuters, UK
- **Dr Staffan Tillander**, Ambassador for Climate Change, Ministry of the Environment, Government of Sweden

1.00 – 2.00 pm

Lunch

2:00–3:15 pm

Knowledge Institutions: Bringing about a Paradigm Shift

Governments are recognizing the role and importance of knowledge institutions and their ability to innovate. They are placing unprecedented emphasis on research as a key motor for driving this century's knowledge society and economy. In addition, the call for good governance has dominated the debate on the need for higher education and research. The session will focus on mobilizing knowledge, and the role of knowledge institutions in developing new pathways for sustainable development.

Moderator

- **Prof. Jane den Hollander**, Vice Chancellor, Deakin University, Australia

Speakers

- **Prof. Bhavik R Bakshi**, Vice Chancellor, TERI University
- **Dr Torbjørn Digernes**, Professor, Vice Chancellor/Rector, Norwegian University of Science in Technology, Norway

- **Mr Brahim Fassi Fihri**, Chairman, Amadeus Institute Institution, Morocco
- **Prof. Hironori Hamanaka**, Chair of the Board of Directors, Institute for Global Environmental Strategies, Japan
- **Prof. Dennis Loveday**, Director, Sustainability Research School, Loughborough University, UK
- **Dr Andreas Schild**, Director General, ICIMOD, Nepal
- **Dr Mashkuri Bin Yaacob**, Vice Chancellor, UNITEN University, Malaysia

3:15–4.30 pm
**MINISTERIAL
 SESSION II**

Mainstreaming Policies with Development

Can sustainable development be a central organizing principle of policy-making for governments, rather than an afterthought? This ministerial panel will evaluate efforts that are in place which are successfully responding to climate change, protecting the planet's vital biodiversity, and using natural resources on a sustainable basis.

Moderator

- **Mr Jairam Ramesh**, Minister of State (Independent Charge) for Environment and Forests, Government of India

Speakers

- **H R H Prince Mostapha Zaher**, Director General of the National Environmental Protection Agency of the Islamic Republic of Afghanistan
- **H E Mr Malik Amin Aslam**, Former Minister of State (Environment), Pakistan, & Executive Director – ENVORK
- **Dr Hasan Mahmud MP**, State Minister for Environment and Forests, People's Republic of Bangladesh

- **Mr Rachmat Witoelar**, Former State Minister for the Environment & Chairman, National Council on Climate Change and President's Special Envoy for Climate Change, Indonesia
- **Mr Hideki Minamikawa**, Vice-Minister, Ministry of the Environment Government of Japan
- **H E Mr. Humberto Delgado Ubach Chaves Rosa**, Minister of State of Environment, Portugal
- **H E Dr Khalid bin Muhammad Al-Qusaibi**, Minister of Economy and Planning of the Kingdom of Saudi Arabia
- **H E Mr Tiemoko Sangare**, Minister of Environment and Sanitation, Republic of Mali

4:30–5.15 pm

Summit Summary and the Way Forward

Special address

- **Ms Christiana Figueres**, Executive Secretary, United Nations Framework Convention on Climate Change, Germany

Summit Summary

- **Dr R K Pachauri**, Director-General, TERI

5.15 pm

Tea



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ABOUT TERI



About TERI



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The Energy and Resources Institute (TERI), a dynamic and flexible organization with a global vision and a local focus, was established in 1974.

While in the initial period, the focus was mainly on documentation and information dissemination, research activities in the fields of energy, environment, and sustainable development were initiated in 1982. The genesis of these activities lay in TERI's firm belief that efficient utilization of energy, sustainable use of natural resources, large-scale adoption of renewable energy technologies, and reduction of all forms of waste would move the process of development towards the goal of sustainability.

TERI is deeply committed to every aspect of sustainable development—from providing environment-friendly solutions to rural energy problems to helping shape the development of the Indian oil and gas sector; from tackling global climate change issues across many continents to enhancing forest conservation efforts among local communities; from finding solutions to growing urban transport and air pollution problems to promoting energy efficiency in the Indian industry. The emphasis has always been on finding innovative solutions to make the world a better place to live in. However, while TERI's vision is global, its roots are firmly entrenched in Indian soil. All activities in TERI revolve around formulating local- and national-level strategies and suggesting global solutions to critical energy- and environment-related issues. It is with this purpose that TERI has established regional centres in Bengaluru (Karnataka), Panaji (Goa), Guwahati (Assam), and Supi (Uttarakhand); an office in

Mumbai; and a presence in Japan, Malaysia, the UAE, and Africa. It has also set up affiliate institutes—TERI North America in Washington, DC, USA, and TERI Europe in London, UK.

TERI hosts the annual Delhi Sustainable Development Summit, which is swiftly gathering momentum as a major forum for the convergence of world renowned leaders and thinkers dealing with the issue of sustainability.

TERI lays great emphasis on training, capacity building, and education. In 1999, it set up TERI University (under the UGC Act). Since its inception, it has evolved as a research university, offering doctoral and Masters programmes in bioresources, biotechnology, energy, environment, regulatory and policy studies, and natural resources management.

With over 25 years of excellence in research and innovation, TERI is now poised for further growth, driven by a global vision and outreach, with a philosophy that assigns primacy to enterprise in government, industry, and individual actions.



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ABOUT DSDS



About DSDS

DSDS: THE JOURNEY SO FAR

The Delhi Sustainable Development Summit (DSDS), an annual flagship event of TERI since 2001, is a unique forum for analysis of and debate on some of the most crucial environmental challenges being faced by humanity at large. Informed discussions among participants from corporate houses, government, international agencies, and institutes provide the critical mass, for formulation and delineation of strategies to take the sustainable development agenda forward.

Over the years, the summit has enjoyed global support from over 60 countries. Heads of state/government, ministers, dignitaries, Nobel laureates, development practitioners, scientists, academicians, and corporate leaders from across the world have participated in this event.

Themes through the years

DSDS 2010: Beyond Copenhagen: new pathways to sustainable development

DSDS 2009: Towards Copenhagen: an equitable and ethical approach

DSDS 2008: Sustainable development and climate change

DSDS 2007: Meeting the MDGs: exploring the natural resource dimensions

DSDS 2006: Linking across MDGs: towards innovative partnerships and governance

DSDS 2005: Beyond universal goals: steering development towards global sustainability

DSDS 2004: Partnerships for sustainable development: addressing the WEHAB agenda

DSDS 2003: Beyond Johannesburg: translating resolve into action for a sustainable future

DSDS 2002: Ensuring sustainable livelihoods: challenges for governments, corporates, and the civil society

DSDS 2001: Poverty—the global challenge for governments, industry, scientists, and the civil society



The Sustainable Development Leadership Award

The SDLA (Sustainable Development Leadership Award), instituted by TERI in 2005, is presented yearly in recognition of significant contribution towards the cause of sustainable development. The sixth SDLA was presented to E Mr Yukio Hatoyama, Prime Minister of Japan, in DSDS 2010.



The fifth Sustainable Development Leadership Award was presented to HE Mr Yukio Hatoyama, Prime Minister of Japan. The award was presented by Dr Arcot Ramachandran, Chairman, TERI Governing Council. The award was received by Mr Mutsuyoshi Nishimura, Special Advisor to the Cabinet in charge of Climate Change, Japan, on behalf of the HE Mr Yukio Hatoyama, Prime Minister of Japan.

STATE LEVEL SUSTAINABLE DEVELOPMENT SUMMITS

Local governments, NGOs, and community organizations can and must play a role in the ongoing change towards a sustainable development path. There are already many examples of initiatives taken on the local level that contain lessons and inspiration for the world at large. In the spirit of the theme of DSDS 2011, TERI is convening summits in the six Indian states of Assam, Bihar, Karnataka, Maharashtra, Rajasthan, and Uttarakhand, with the purpose of bringing out the best of these success stories.

The first build-up event to the Delhi Sustainable Development Summit (DSDS) 2011 was organized on 22 October 2010 in Bengaluru by TERI and the Government of Karnataka titled “Karnataka (Bengaluru) Sustainable Infrastructure Development in Karnataka: Key Achievements and Way Forward”. The aim of the summit was to fast-track mainstream sustainability concerns into the development path of the resource-rich and economically resurgent state of Karnataka. The summit endeavoured to raise awareness on key thematic issues among a diverse range of stakeholders, and eventually lead to incorporation of these into the development strategy of the state. The multi-stakeholder discussions during the summit focused on specific sustainable development issues, the prevalent best practices, and the way forward to outlining a sustainable development roadmap for the state. The summit also convened a DSDS build-up event for the youth on climate change, where close to 100 students from various colleges participated.

With an aim to have a thorough strategy to understand the implications of climate change in Assam and the North Eastern region, so that well formulated measures could be taken for its people to adapt to its effects, Government of Assam, in association with TERI, organized a major state-level summit—“North East and the Response to

Climate Change- Policies for Watershed Management, Energy Security, and Biodiversity” on 13 December 2010. The summit was inaugurated by the honourable Chief Minister Sh Tarun Gogoi, Dr Vibha Dhawan, Executive Director, TERI, Mr Naba Kumar Das, Chief Secretary, Government of Assam, and Mr Prabir Sengupta, Former Secretary, Government of India and Distinguished Fellow TERI. Senior government functionaries and opinion leaders from the North Eastern Region of the country were also present at the one-day summit.

The Summit dwelt on four key thematic areas of: (1) impacts of climate change in the NE, and the need and value of local action; (2) successful community based approaches to biodiversity protection; (3); Local actions to increase water access in the face of climate change: Integrated watershed development approaches and Local agricultural water use and practices, and (4) Decentralized energy solutions: Specific needs of the north east.



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SPECIAL EVENTS



SPECIAL EVENTS

Date	Special Events
January 31– 2 February	Asia REDD Working Group (ARWG) meeting Contact person: Mr Soumitri Das <sdas@teri.res.in>
1 February	Dialogue on Green Buildings: Policy and Practice within the European Union and India Contact person: Ms Priyanka Kochhar <priyanka@teri.res.in>
1–2 February	YUVA : Local Initiatives towards Global Sustainability: A Priority over priority! Contact person: Ms Ranjeeta Buti <ranjeeta@teri.res.in>
1 February	Tackling Energy Poverty Contact: Ms Anupama Arora <anupama.arora@teri.res.in>
2 February	Water and Climate Change Contact person: Ms Sreelakshmi <klakshmi@teri.res.in>
2 February	'Trade and technology dimensions of energy use and climate change' Contact person: Mr Nitya Nanda <nitya@teri.res.in>
2 February	Ensuring Sustainable Development through innovative waste & waste water treatment solutions Contact person: Dr Priyangshu Sarma <priyanms@teri.res.in>
2 February	Livelihoods & Landscape Strategy - An approach to restore forests and enhance livelihoods Contact person: Ms Sirisha Indukuri & Ms Grace Lhouvum <sirisha@teri.res.in, gracel@teri.res.in>

Date	Special Events
2 February	<p><i>Stakeholder Consultation on the “Corporate Action Plan on Climate Change: ICT as a Game Changer</i></p> <p>Contact person: Mr Arupendranath Mullick <amullick@teri.res.in></p>
2 February	<p><i>Stakeholder Dialogue on Corporate GHG Accounting in India</i></p> <p>Contact persons: Mr Sasanka Thilakasiri & Mr Pratik Ghosh <sasanka.thilakasiri@teri.res.in, pratikg@teri.res.in></p>
2 February	<p><i>Environmental Fiscal Reforms</i></p> <p>Contact person: Dr Shilpi Kapur <shilpi.kapur@teri.res.in></p>
2 February	<p><i>Fast-tracking Energy Conservation in Micro, Small and Medium Enterprises</i></p> <p>Contact persons: Ms Siddha Mahajan & Mr William A Gracias <siddha.mahajan@teri.res.in, william@teri.res.in></p>
3 February	<p><i>Oceans – The New Frontier</i></p> <p>Contact person: Ms Shriya Malhotra <shriya.malhotra@teri.res.in></p>
4 February	<p><i>“Low Carbon Transport Systems in Emerging Economies”</i></p> <p>Contact person: Ms Akshima Ghate <akshima@teri.res.in></p>



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BIONOTES



HEADS OF STATE / GOVERNMENT

HE DR MANMOHAN SINGH

Hon'ble Prime Minister, Government of India



An economist, Dr Manmohan holds a DPhil degree from Nuffield College, University of Oxford, UK and an Economic Tripos (first class honours) degree from the University of Cambridge, UK. He also holds a first class Masters degree in Economics from Panjab University. He served as the Finance Minister of India between 1991 and 1996 and as the Leader of Opposition in the parliament from 1996 to 2004. Prior to this, Dr Manmohan Singh was the Governor of the Reserve Bank of India from 1982–85. In addition to various positions of eminence, Dr Singh also served as the Deputy Chairman of the Planning Commission (1985–87). He was elected Member of Rajya Sabha for the first time in 1991 and re-elected in 1995 for a term of six years followed by yet another six-year term in 2001. He took over as Prime Minister of the Republic of India in 2004.

Dr Manmohan Singh has been the leader of several high-level committees and delegations including the Indo-Soviet Monitoring Group in 1982 and the Aid-India Consortium Meetings (1977–79). He was awarded the Padma Vibhushan, one of India's highest civilian awards, in 1987 and received the Justice K S Hegde Foundation Award and the Lokmanya Tilak Award in 1997. He is also the recipient of the H H Kanchi Sri Paramacharya Award for Excellence (1999).

HE MR HAMID KARZAI

President, Islamic Republic of Afghanistan



Mr Hamid Karzai was born on 24 December 1957 in the village of Karz, near Kandahar city, Afghanistan. Mr Karzai graduated from Habibia High School and obtained his Master's Degree in 1983 from Simla University, India. When the Mujahideen Government was established in 1992,

he was appointed as Deputy Foreign Minister. On 5 December 2001, while he was in battlefield against Taliban in Uruzgan Province, he was elected as Chairman of the Interim Administration. Mr Karzai has been elected as President of Afghanistan twice in 2004 and 2009 general elections.

DR LEONEL ANTONIO FERNANDEZ

President of the Dominican Republic



Professor of several generations of journalists and communicators from the State University (UASD), he taught subjects related to media law, history, sociology of communication, and international relations. He also taught at the Latin American Faculty of Social Sciences (FLACSO). For his contribution to political science, President Fernandez has been distinguished by the following renowned universities with the title of Doctor Honoris Causa: University of La Sorbonne and Harvard University in 1999, Universidad Nacional Pedro Henriquez Urena (UNPHU) and Sector Hall University in 2000, state University of Santiago de Chile in 2002, Stevens Institute of Technology in 2004, Nova Southeastern University, University of Massachusetts and the University State of Panama in 2005, and the Chinese Cultural University in Taiwan and Hankuk University in 2006.

The Dominican Head of State joined the Dominican Liberation Party (PLD) in 1973. In his early college years Dr Fernandez was part of the student movement of the 1970s and served as general secretary of the Student Association of the Faculty of Law and Political Sciences of the UASD. In 1985, he was elected to the Central Committee of the PLD and 1990, a member of the Political Committee. He also served as Secretary for International Affairs of that organization and as editor of the *Journal of Political Theory and Action*.

In 1994, he was selected vice presidential candidate of the Republic, as running mate to Professor Juan Bosch. By the end of 1995, he was proclaimed presidential candidate for the election of 16 May 1996, and overcame the challenge of being chosen as the

president of the Dominican Republic for the period of 1996–2000. President Fernandez was the first Head of State from the PLD and one of the youngest presidents in Latin America.

As President of the Republic during the period 1996–2000, Fenandez Reyna developed a dynamic foreign policy to rescue the Dominican Republic from its traditional isolation. In that context, he participated in international forums of vital importance, such as the General Assembly of the United Nations, the Central American Summit of Heads of State, and the Summit of the Americas.

Following the completion of his administration in 2010, Dr Fernandez continued his contributions to the development of the country and Latin America as president of the Fundacion Global Democracia y Desarrollo (FUNGLODE), a non-profit institution dedicated to study of national and international issues, the development of innovative proposals of strategic nature, the design of public policies, the improvement of the quality of national debate, and the training of human resources.

In 2004, against a background of crisis coloured by bank failures, the devaluation of the Dominican peso, high inflation, rising interest rates, the loss of thousands of jobs, and the bankruptcy of hundreds of businesses and companies, Dr Fernandez opted for the Presidency of the Republic once again, and was chosen to a popular vote of 57%.

Further to his academic responsibilities, professional and political career, President Fernandez has worked extensively as an essayist. He is the author of the following titles: *Raices de un Poder Usurpado*, *Los Estados Unidos en el Caribe: De la Guerra Fria al Plan Reagan*, *La Republica Dominicana Hacia el Nuevo siglo*, *La globalizacion y la Reublica Domincana*, and *Nuevo Paradigma*. President Fernandez speeches have been compiled into *Themes of Campaign I and II*, and *Speeches I, II, III, and IV*.

HE MR JAMES ALIX MICHEL

President of the Republic of Seychelles



From 1974 to 1977, James Michel was a member of the Executive Committee of the Seychelles People's United Party (SPUP), the predecessor of the ruling Seychelles People's Progressive Front (SPPF). In 1978 he became a member of the Central Executive Committee of the newly formed SPPF. He became deputy secretary general of the SPPF in 1984 and secretary-general in 1994, a party post which he occupied until June 2009. On June 2nd 2009, SPPF was rebranded as Parti Lepep (People's Party) and he was elected its president. He was running mate in the presidential elections of 1998 and 2001 and was Vice-President from August 1996 to April 2004. He succeeded Mr France Albert René as President upon the retirement of the latter in April 2004 and was elected to the highest office in July 2006.

President Michel presently has portfolio responsibilities for Tourism, Defence, Legal Affairs, and Information. Mr James Michel was, until he became President, the longest serving minister in Seychelles. His first ministerial appointment was in June 1977 when he was given the responsibilities for public administration and information. As Minister for Information, he promoted the development of a modern telecommunications system in Seychelles and that of the media. In his long career, he also held the portfolios for Education, Finance, Communications, Defence, Culture and Sports. In 1993 he was appointed First Designated Minister, a constitutional post in which he discharged the functions of the Office of the President during the absence of the Head of State. He also held the portfolios for Education, Finance, Communications and Defence.

President Michel is the recipient of several international awards and decorations. The Outstanding Civilian Service Medal was conferred upon him by the Secretary of the United States Army in 1995. In 2001 he was awarded the Grand Cross of the Order Pro Merito Melitensi by the Sovereign Military Order of Malta. In 2010 the Order conferred the Grand Cross of the Knightly Order, Special Class, pro Merito Melitensi, to President Michel, recognizing the exceptional relations that exist between the Order and the Republic of Seychelles.

In October 2009 he received the UNESCO Gold Medal of the Five Continents in recognition of his work to promote the ideals of peace, tolerance, and his work to sensitize the international community about the vulnerability of Small Island Developing States. The following month Michel was presented with the Most Innovative People Award (for Natural Innovation) by the Global Leadership Team at the Lebanon 2020 Summit. President Michel received the Special Award for Eco-Safety from the World Eco-Safety Assembly of the International Eco-Safety Cooperative Organization, in December 2010, in view of his leadership in the field of environment and the long-standing efforts of the Government to foster sustainable development.

NOBEL LAUREATES

NOBEL LAUREATE DR YUAN T LEE

President Emeritus, Academia Sinica, Taiwan



Dr Yuan T Lee is President Emeritus and Distinguished Research Fellow of Academia Sinica in Taiwan, University Professor Emeritus at University of California, Berkeley, and President-Elect of International Council for Science. He has received numerous awards and honours, including the 1986 Nobel Prize in Chemistry. He has received Doctor Honoris Causa from 37 universities and elected to be a member from various academies throughout the world. He has held positions as Professor of Chemistry at University of Chicago and University of California, Berkeley, University Professor at University of California, Berkeley, Principal Investigator in the Lawrence Berkeley National Laboratory, and President of Academia Sinica. He has also served as advisory board member on numerous international organizations, including US Department of Energy, Welch Foundation, International Scientific Council of the Israeli-Palestinian Science Organization, and Okinawa Institute of Science and Technology.

NOBEL LAUREATE PROFESSOR JAMES MIRRLEES

Professor of Political Economy, University of Cambridge, UK



Professor James Mirrlees studied Mathematics at Edinburgh and Cambridge and holds a PhD in Economics from University of Cambridge. His illustrious academic career includes Lecturer at Cambridge (1963–68); Professor at Oxford (1968–95); and Professor at Cambridge (1995–2003); Professor Mirrlees is currently College Master, Chinese University of Hong Kong. He was the President of the Econometric Society (1983) and Royal Economic Society (1989). Professor Mirrlees won the Nobel Prize for Economics in 1996.

NOBEL LAUREATE PROFESSOR JOSEPH E STIGLITZ

Professor, Columbia University, USA



Joseph E Stiglitz is University Professor at Columbia University and the winner of the 2001 Nobel Prize for Economics. He served on President Clinton's economic team as a member and then chairman of the US Council of Economic Advisors in the mid-1990s, after which he joined the World Bank as chief economist and senior vice president. Professor Stiglitz has received the John Bates Clark Medal. He was a Fulbright Scholar at Cambridge University, held the Drummond Professorship at All Souls College, Oxford, and has taught at MIT, Yale, Stanford, and Princeton.

EMINENT SPEAKERS

ARRANGED ALPHABETICALLY

HE MS TORA AASLAND

Minister for Research and Higher Education, Norway



Ms Tora Aasland, the Norwegian Minister of Research and Higher Education, has held key positions in the Socialist Left Party. She has been an elected member of the Parliament and she has also been Vice President of the Legislative Assembly in the Parliament. She has been a Regional State Governor. Ms Aasland has a Masters degree in sociology.

DR HABTEMARIAM ABATE

Pan African Climate Justice Alliance (PACJA),
Ethiopia



Dr Habtemariam Abate holds a PhD in Rural Development and is Co-chair Ethiopian Civil Society Network on Climate Change (ECSNCC), and Steering Committee Member of Pan Africa Climate Justice Alliance (PACJA). He has worked in the rural development sector in Ethiopia for

more than three decades.

HE DR FAROOQ ABDULLAH

Hon'ble Union Minister for New and Renewable Energy, Government of India



Dr Farooq Abdullah is the Union Minister for New and Renewable Energy in the Government of India. He is best known for his energetic leadership of the pathbreaking and transformational initiative in renewable energy—The Jawahar Lal Nehru National Solar Mission. He is also known for a number of other initiatives in the renewable energy space in India, notably the introduction of Generation Based Incentives and the move towards introduction of Renewable Energy Certificates.

Born in 1937 in Soura on the outskirts of Srinagar, Dr Farooq Abdullah completed his MBBS from the SMS Medical College, Jaipur. He has had a long and distinguished political career, having served as the Chief Minister of Jammu and Kashmir thrice and a Member of Parliament twice. He has been a member of the Committee on Defence, Member of Parliamentary Forum on Population and Public Health, and a Member of Consultative Committee of the Ministry of Civil Aviation. Dr Abdullah has been conferred the 'Dr B C Roy Award' as a medical man-cum-statesman and D Litt. (Honoris Causa) from Aligarh Muslim University.

An ardent golfer, he is keenly interested in photography, classical music, and ghazals. He is also an avid traveller.

MR HAMEED ULLAH JAN AFRIDI

Minister for Environment, Government of Pakistan



Mr Hameed Ullah Jan Afridi has been appointed as Federal Minister for Environment, Government of Pakistan on 31 March 2008. A graduate and MBA degree holder from Punjab University, he worked as Executive Officer in Oil Marketing Company for nine years in different areas of the

country. He worked as social worker and remained with National Rural Support Programme (NRSP) for Social mobilization, poverty alleviation through community participation in rural areas of Pakistan. He established FATA Rural Support Programme (FRSP) on the pattern of NRSP to improve the living standards of the people and provide health and education related facilities to the people of FATA. The purpose of this programme was to create awareness in tribal people with a view to bring tribal areas at par with rest of the country in development projects. He was elected member to the Senate in February 2003.

MR MONTEK SINGH AHLUWALIA

Hon'ble Deputy Chairman, Planning Commission,
Government of India



Mr Montek Singh Ahluwalia is Deputy Chairman, Planning Commission, Government of India since July 2004. A key figure in India's economic reforms from the early 1980s, he has held several important positions, including Special Secretary to Prime Minister from 1988–90. He worked as Director, Independent Evaluation Office, International Monetary Fund. He holds a BA (Hons.) Economics degree from Delhi University; MA and MPhil. from Oxford University.

MR ESKO AHO

Former Prime Minister of Finland and Executive Vice President, Member of the Group Executive Board, Nokia Corporation, Finland



Mr Esko Aho heads Nokia's government and public affairs function, which includes the policies and activities for sustainable development and social responsibility. Mr Aho is a member of the Nokia Group Executive Board. Prior to joining Nokia, Mr Aho has enjoyed a long and distinguished career serving

Finnish society and politics, holding the post of Prime Minister of Finland from 1991 to 1995. After the 2000 presidential campaign, he joined Harvard University as a lecturer, and following his retirement from the Finnish Parliament, he worked as a private consultant. Mr Aho was appointed President of the Finnish Innovation Fund, SITRA, from 1 July 2004.

MR NEGUSU AKLILU

Director, Forum for Environment, Addis Ababa,
Ethiopia



Mr Negusu Aklilu is Director of the Forum for Environment in Addis Ababa, Ethiopia. He has been working as an environmental campaigner for the last 15 years and has played a leading role in advocating for environmental rights in Ethiopia, including the rights of farmers. He led the successful campaign to save an elephant sanctuary from encroachment by a foreign firm and two campaigns in the run-up to the Copenhagen Climate Conference in 2010. One is the African Climate Appeal, a politico-moral appeal by key African environmental activists initiated by Nobel Laureate Wangari Maathai. The other campaign, America, Take the Lead Now, produced a petition signed by about 2 million Ethiopians to the US government. Currently, Negusu co-chairs the Ethiopian Civil Society Network on Climate Change (ECSNCC), comprising about 60 organizations. He is a representative of civil society organizations in Ethiopia's National Environment Council. He has authored a number of articles on a range of environmental issues and serves as editor of a local environmental magazine, as well as co-editor of the Ethiopian Environment Review. Some of his other initiatives in Ethiopia include the national Green Award Program, the annual Ethiopian Environment Review, and the new local Green Tax initiative. He was voted one of the 25 most influential Ethiopians in 2009/2010 by *Addis Neger*, Ethiopian newspaper. He is trained in biology and ecology and later in Environmental Diplomacy at a UNEP/ University of Geneva post-graduate course.

HE DR KHALID BIN MUHAMMAD AL-QUSAIBI
Minister of Economy and Planning of the Kingdom of
Saudi Arabia



Dr Khalid bin Muhammad Al-Qusaibi represented the Kingdom of Saudi Arabia at the IMF and World Bank and was the Vice Governor of SAMA (1972–80). He has served as Minister of Planning & National Economy since 1990. Dr Al-Qusaibi is a member of the Board of several economic organizations, including the Economic Sub-Marine Council. He holds a M A in Economics from South California University, USA.

DR ARAYA ASFAW

Executive Director, Horn of Africa Regional Environment Centre and Network, Ethiopia



Dr Araya Asfaw earned his PhD in Physics, Master of Engineering and BSc in Mechanical Engineering from Howard University, Washington DC. He worked as a research scientist at various national laboratories in the US (including the National Institute of Standard and Technology, Center for Advanced Microstructure and Devices, Lawrence Livermore National Laboratory and the Advanced Light Source of Lawrence Berkeley National Laboratory) before joining the physics Department of Addis Ababa University in 1996.

He served as Dean of the Faculty of Science at Addis Ababa University for four years. As Dean, he also facilitated the transformation of the Geophysical Observatory and initiated the establishment of the Gullele Botanic Garden, a joint programme between Addis Ababa City Administration and Addis Ababa University.

The Horn of Africa Regional Centre and Network (HoAREC/N) was an initiative he presented to the Faculty of Science, which eventually evolved as an autonomous centre at the University. Currently, he is the Executive Director of HoAREC/N.

Dr Araya Asfaw has conducted research in the area of computational fluid dynamics and heat transfer, laser spectroscopy, application of physics to material, food, environment, and sustainable energy. He has advised a number of graduate students and published more than twenty papers in international journals on various disciplines.

PROFESSOR BHAVIK BAKSHI

Vice Chancellor, TERI University, India



Professor Bhavik Bakshi is the Vice Chancellor and Professor of Energy and Environment at TERI University in India, and a Professor of Chemical and Biomolecular Engineering at The Ohio State University in the US. His research focuses on Sustainability Science and Engineering, including life cycle assessment, accounting for ecosystem services, and design for sustainability. He is a chemical engineer by training, with degrees from the Institute of Chemical Technology, Mumbai and the Massachusetts Institute of Technology.

MR RAJIV BAWA

Executive Vice-President, Corporate Affairs, Uninor,
India



Mr Rajiv Bawa has been associated with Unitech Wireless since July 2008. He is responsible for Corporate Affairs, which includes legal, regulatory, business assurance, corporate communication, and corporate responsibility. Prior to that, Mr Bawa was based in the US where his experiences included strong international business knowledge in emerging markets, M&A, and startups. He has held a variety of consulting, sales, and strategy leadership positions within IBM focusing on sectors such as FMCG, distribution, and technology services. He has also lived in Japan, where he was a part of the executive steering group of a large FMCG company implementing a business transformation and ERP project. During the peak of the dot com days in the US, Mr Bawa was the director of marketing and business development of a software startup organization. He has a Masters in Computer Science from University of Maryland and a certificate in management from Wharton School of Business.

MR SUMAN BERY

Director-General, National Council of Applied
Economic Research (NCAER), India



Since 1 January 2001, Mr Suman Bery has held the position of Director-General (Chief Executive) of the National Council of Applied Economic Research (NCAER), New Delhi. NCAER is one of India's leading independent policy research institutions and undertakes social science research

under sponsorship from the government, private, and international bodies. It is particularly known for its work on economic forecasting, household surveys, infrastructure, trade policy, and human development.

Prior to this appointment, Mr Bery was with the World Bank in Washington DC. Areas of focus included the macro-economy, financial markets, and public debt management with a focus on Latin America. From 1992–1994, on leave from the World Bank, Mr Bery worked as Special Consultant to the Reserve Bank of India, Bombay, where he advised the Governor on financial sector policy, institutional reform, and market development and regulation.

In addition to serving on numerous government committees, Mr Bery has served as an independent (non-Executive Director) on the board of State Bank of India, India's largest commercial bank. Mr Bery is currently member of the Economic Advisory Council to the Prime Minister and National Statistical Commission.

DR TAWFIQ-E-ELAHI CHOWDHURY, BIR BIKRAM

Hon'ble Advisor to the Hon'ble Prime Minister of
Bangladesh



Born in 1945, Dr Tawfiq-e-Elahi Chowdhury, Bir Bikram studied Economics at the University of Dhaka and Punjab and joined the Civil Service of Pakistan (CSP) in 1968 after a two-year stint as Lecturer in Economics in the Dhaka University. He was decorated for gallantry as Bir Bikram and was one of the chief organizers of the swearing in ceremony of the first Government of Bangladesh in Mujibnagar, Meherpur on 17 April 1971.

He went for higher studies in the UK (1974/75) and did his PhD from Harvard in 1983. He served as Secretary to the Government of Bangladesh for nearly a decade in the ministries of Food, Statistics, Power, Energy, and Mineral Resources and Planning.

He also served as a Visiting Fellow at the Economic Growth Centre of the Yale University in 1997. He was appointed Advisor (Minister) to the Hon'ble Prime Minister of the Government of Bangladesh in January 2009. He has authored books and published articles in reputed journals.

DR JUAN PABLO BONILLA

Chief of Climate Change Unit, Inter-American Development Bank (IADB), USA



Dr Juan Pablo Bonilla coordinates the activities related to climate change (mitigation and adaptation) at the IADB. Before joining the IADB, Dr Bonilla was Senior Environmental & Sustainable Development Specialist for Latin America and the Caribbean at the World Bank, and Member of the Clean

Development Mechanism Executive Board to the United Nations. In his country, Colombia, Mr Bonilla held the following positions: Deputy Minister of Environment, acting Minister of Environment, Housing & Territorial Development; principal advisor to the Vice-president of Colombia, Executive Director of Fundesarrollo (Foundation for the Development of the Caribbean of Colombia), and National Environmental Manager of ANDI (National Industry Association). He graduated with a BA in Civil Engineering from the Universidad Javeriana in Colombia, holds a MSc in Engineering Management & Systems Engineering, and a PhD in Environmental and Energy Management from George Washington University.

MR HENRY SAINT BRIS

Senior Vice President Strategy, Suez Environnement, France



Mr Henry Saint Bris is currently Senior Vice President Strategy of Suez Environnement, and member of the Strategic Committee. Mr Saint Bris joined the Suez Group in 1996 and has held positions of increasing responsibility since he joined the organization, serving as Vice President of Strategy and Development at Sita, the waste management arm of the group, and, as of 2003, posted in the US as Senior Vice President of SUEZ Environnement North America, managing water and waste assets across the US and Canada. Since 2009, he has taken over responsibility of Strategy and Marketing at corporate headquarters.

Prior to joining Suez, Mr Saint Bris spent seven years with Ernst & Young where he was a founder of the E&Y Environment Group in France and a Senior Manager for the Strategy Consulting Group. Mr Saint Bris also spent 2 years with Aerospatiale/EADS in India where he gained marketing and sales experience.

He holds a diploma from Institut d'Etudes Politiques de Paris (economy and finance) and a Masters Degree in Business Administration from Université Paris IX Dauphine. Mr Saint Bris also holds a post graduate degree in Environment Management and Engineering from Ecole des Mines de Paris. He is co-author of the *Guide to Corporate Social Responsibility* (Dunod).

DR GRO HARLEM BRUNDTLAND

Former Prime Minister of Norway and Member, UN Secretary General's Global Sustainability Panel, Norway



Dr Gro Harlem Brundtland is a Medical Doctor and holds a Master of Public Health degree from Harvard University. She was the Minister of the Environment in 1974 and Prime Minister of Norway in 1981, 1986–89, and 1990–96. She served as Chair of the World Commission on Environment and

Development and its report 'Our Common Future' was published under her guidance in 1987. She was appointed the Secretary-General of the World Health Organization between 1998–2003. She was Special Envoy for Climate Change for the UN Secretary General 2007–09. She is currently Member of the UN Secretary General's Global Sustainability Panel.

MR VIKRAM CHANDRA

CEO and Managing Director, NDTV Networks plc,
India



Mr Vikram Chandra serves as the CEO of NDTV Networks. Apart from playing the role of CEO and Managing Director of NDTV Networks PLC, he also anchors daily news and famous TV series *The Big Fight* on the same channel. Mr Vikram Chandra also hosts the tech show, *Gadget Guru* along with Rajiv Makhni. From covering war zones to uncovering the latest gizmos, he has done it all! His exemplary work has won him laurels not just in India, but all over the world. This was significantly proven, when, at the World Economic Forum at Davos, he was named 'Global Leader for Tomorrow'.

MS AKANKSHA CHAUREY

Director, Decentralized Electricity Solutions, TERI



Ms Akanksha Chaurey's experience in the field of promotion and use of renewable energy for sustainable development is spread over 22 years. Her area of expertise is distributed generation and rural electrification. She began her career with TERI in September 1987 and was involved in projects related to technology and market assessment of renewables, particularly that of solar Photovoltaic (SPV) technology. Having worked with TERI for over 5 ¹/₂ years, she joined Sairam Solar, a company designing, integrating, and installing solar and wind energy systems for decentralized applications. Subsequently, she spent two years as a renewable energy consultant working specifically on the commercialization of these technologies. In July 1999, she joined TERI again and is now working as Director, Decentralized Electricity Solutions Division, responsible for the research in the area of distributed generation dealing with technological, policy related, regulatory, and financing aspects. She is also the group leader of the "Lighting a Billion Lives" initiative of TERI. She holds a Masters of Science degree in Physics and Masters in Technology in Metallurgical Engineering, both from Indian Institute of Technology, Kanpur. She has recently submitted her PhD thesis on "Assessment and evaluation of Photovoltaic systems for rural lighting in India" to the Indian Institute of Technology, Delhi and is awaiting a final award of the degree. She has over 25 technical publications in journals and conference proceedings and several research reports to her credit.

MS AIMEE CHRISTENSEN

Founder and CEO, Christensen Global Strategies
and Partner, World Climate Summit, USA



Ms Aimee Christensen, CEO, Christensen Global Strategies, advises clients including, the Clinton Global Initiative, Duke Energy, Ogilvy, Rockefeller Brothers Fund, Swiss Re, The Elders, UNDP, US Department of Energy, Virgin Unite, and Wolfensohn + Co. Ms Christensen has two decades of experience in policy, law, advocacy, and philanthropy including, with Google.org, World Bank, Baker & McKenzie, and the US Department of Energy, where she drafted the first bilateral and regional climate change accords. She attended Smith College (BA) and Stanford Law School (JD).

MR JØRGEN M CLAUSEN

Chairman, Danfoss, Denmark



Mr Jørgen M Clausen is former President of Danfoss A/S. He is an Electrical Engineer from the Danish Engineering Academy, Copenhagen in 1972. In 1975, he graduated as a MBA from the University of Wisconsin, Madison, USA. In 1981, he joined Danfoss A/S as Vice-President of

Corporate Technology and Research, Business Development, and Quality Systems. In 1990, he became a member of the Executive Committee, and in 1991 he became President of the Mobile Hydraulics Division. From 1 April 1996 until 30 September 2008, he was President of Danfoss A/S.

MR GREGORY DALTON

Vice President of Special Projects and Director of Climate One, The Commonwealth Club of California



Mr Gregory Dalton is Vice President of Special Projects and Director of Climate One, The Commonwealth Club of California. He previously was international editor at The Industry Standard magazine, an editor for the Associated Press in New York, and a correspondent in China and Canada for the South China Morning Post, a Hong Kong newspaper.

Proficient in both Mandarin and Cantonese, he is a former term member of the Council on Foreign Relations.

AMBASSADOR C DASGUPTA

Distinguished Fellow, TERI



Chandrashekhar Dasgupta (b. 1940) was an Indian Foreign Service officer from 1962 to till his retirement in 2000. Among other posts, he served as Ambassador to the European Union (1996–2000) and as Ambassador to China (1993–1996).

Mr Dasgupta is presently a Member of PM's Council on Climate Change; Distinguished Fellow at TERI; Member of the UN Committee on Economic, Social and Cultural Rights; and Co-Chair of the India – EU Round Table. Recently he served as Chairperson of the China Task Force. He is the author of *War and Diplomacy in Kashmir, 1947–48*, and numerous essays and articles on international affairs and global environmental issues. Dasgupta is recipient of Padma Bhushan.

MR RICHARD DENT

CEO, Climatecom Strategies, UK



Mr Richard Dent is CEO of Climatecom Strategies, a climate and renewable energy communications agency in London. He has worked for the European Commission, Leonardo DiCaprio, BBC World Service, Wyly family, and various NGOs. Mr Dent is a visiting researcher at University College London's Environment Institute. He founded The Green Reporter (thegreenreporter.com).

LORD MEGHNAD DESAI

Professor Emeritus, Centre for the Study of Global Governance, London School of Economics



Lord Meghnad Desai is the author of over 25 books and 200 plus articles in refereed journals. His recent works include *The Rediscovery of India*, *Marx's Revenge: The Resurgence of Capitalism*, and *The Death of Statist Socialism*.

MR NITIN DESAI

Former Under Secretary General, United Nations & Distinguished Fellow, TERI



Mr Nitin Desai, a graduate of LSE, taught economics at two UK universities, worked briefly in the private sector, had a long stint as a government official in India, and then joined the UN in 1990. In India, he was in the Planning Commission (1973–88) and later in the Ministry of Finance as the Chief Economic Adviser (1988–90). In the UN, where he was Under Secretary General for Economic and Social Affairs, his major work was the organization of a series of global summits, notably the Rio Earth Summit (1992), the Copenhagen Social Development Summit (1995), the Monterrey Finance and Development Summit (2002), and the Johannesburg Sustainable Development Summit (2002). After his retirement, he has been involved in a variety of public policy activities nationally and internationally. He is a member of the National Security Advisory Board and the Prime Minister's Council on Climate Change. He is a Distinguished Fellow of TERI and is an Honorary Fellow of the LSE. He writes a monthly column in the *Business Standard*.

DR TORBJØRN DIGERNES

Professor, Vice Chancellor/Rector, Norwegian
University of Science and Technology (NTNU),
Norway



Mr Torbjørn Digernes holds an academic position as Professor of Marine Systems Design. He is a member of the Norwegian Academy of Technological Sciences, and of the Royal Norwegian Society of Sciences and Letters. He is an active participant in national and international research

and education policy forums, among others, representing the European University Association on energy research policy.

HON STÉPHANE DION

Member of Parliament House of Commons,
Saint-Laurent, Canada



Born in Quebec City, Hon Stéphane Dion was elected as Federal Member of Parliament for Saint-Laurent-Cartierville in 1996. Between 1996 and 2006, he held three ministerial portfolios under Prime Ministers Chrétien and Martin, namely Intergovernmental Affairs, Official Languages, and Environment and also held the position of President of the Privy Council.

His major achievements include the development and implementation of the Clarity Act, and “Saving the Kyoto Protocol at COP11”, which he chaired. In December 2006, he was elected as Leader of the Liberal Party of Canada and became Leader of the Official Opposition, holding these positions until 2008. Today, he continues to serve as Member of Parliament for Saint-Laurent/Cartierville.

MR DARRYL D'MONTE

Chairperson, Forum of Environmental Journalists of India



Mr Darryl D'Monte was Resident Editor of The Times of India and the Indian Express in Mumbai and is now an independent journalist and author. He is the Chairperson of the Forum of Environmental Journalists of India and was the founder President of the International Federation of

Environmental Journalists (IFEJ) in Dresden, Germany, in 1993.

MR BART W ÉDES

Director, Poverty Reduction, Gender and Social Development Division, Regional and Sustainable Development Department, Asian Development Bank, The Philippines



Mr Bart W Édes is Director, Poverty Reduction, Gender, and Social Development Division, Asian Development Bank (ADB). His division leads ADB's work on the human dimensions of climate change. Édes chairs ADB's Social Development and Poverty Community of Practice, and in a previous position, managed ADB's relations with civil society organizations.

HE RICARDO LAGOS ESCOBAR

Former President, Government of Chile



Mr Ricardo Lagos Escobar, lawyer and PhD in Economics from Duke University, was President of the Republic of Chile between 2000 and 2006. During the 1980's, he led the Democratic Alliance and the Independent Committee for Free Elections. He is the founder and first

president of the Party for the Democracy. Mr Lagos was Minister of Education and Minister of Public Works under the two previous governmental periods. He has received the Honoris Causa from a large number of prestigious universities in the world, such as the Universidad Autónoma de México, Universidad de Salamanca, amongst many others. He was awarded the 'Berkeley Medal', top distinction of the University of California, Berkeley, California. Mr Lagos was named the Special Envoy for Climate Change of the UN and President of the Club of Madrid and served till the end of year 2009. He is also President of the Fundación Democracia y Desarrollo in Chile.

HE DR LUIS ALBERTO FERRATÉ FELICE

Minister of Environment and Natural Resources,
Guatemala



Dr Luis Alberto Ferraté Felice, the Minister of Environment and Natural Resources of Guatemala is also Coordinator of the Commission with Transformation, Presidency of the Republic of Guatemala. He is President Pro-Tempore, CCAD. He holds a degree in Environmental Engineering from the University of San Carlos of Guatemala and PhD in Geography from the University of Oregon, USA. Dr Felice is the author of approximately 30 publications on environmental issues.

MS CHRISTIANA FIGUERES

Executive Secretary, UNFCCC



Ms Christiana Figueres was appointed Executive Secretary of UNFCCC in May 2010. She has been involved in climate change negotiations since 1995. In the same year, she founded the Center for Sustainable Development of the Americas (CSDA), a non-profit think tank for climate change policy and capacity-building, and directed until 2003. From 1994–1996, she served as Director of the Technical Secretariat, Renewable Energy in the Americas (REIA). She has served as Minister Counsellor at the Embassy of Costa Rica in Bonn, Germany (1982), Director of International Cooperation in the Ministry of Planning in Costa Rica (1987–88), and Chief of Staff to the Minister of Agriculture (1988–90). Ms Figueres has served on several boards of non-governmental organizations involved in climate change issues. She is a widely published author on design of climate solutions.

MR BRAHIM FASSI FIHRI

Chairman, Amadeus Institute, Morocco



As President of the Amadeus Institute, Mr Brahim Fassi Fihri coordinates all the activities of the Institute and provides his expertise on the political and geostrategic issues. He is the initiator and the creator of the MEDays, an international forum held each year in Tanger. Mr Fihri has developed an international network of personalities of the political and economic sphere and media, making the MEDays the annual meeting of the southern countries.

MS THERESE GEARHART

Group Director, Marketing, Commercial, and
Customer Leadership, Eurasia Africa Group,
The Coca-Cola Company



Ms Therese Gearhart is Group Marketing and Commercial Director for the Eurasia Africa Group leading the company's efforts in stewarding marketing, commercial, and customer excellence. Additionally, she champions the Live Positively Program that helps build sustainable businesses in the

countries of operation. She has been with the company since 1998.

DR PRODIPTO GHOSH

Distinguished Fellow, Earth Science and Climate Change, TERI



Prodipto Ghosh is Member, Prime Minister's Council on Climate Change, and former Secretary, Environment and Forest in the Union Government from 2003 to 2007. He specializes at the interface of science, economics, and public policy. He has a PhD in Economics and Policy Analysis from the Carnegie-Mellon University, and B Tech in Chemical Engineering from the IIT Delhi, He was a Member of the Indian Administrative Service (IAS) from 1969 to 2007. He works on climate change and sustainable development policy.

MR CLÉMENT GIGNAC

Minister of Economic Development, Innovation and Export, Government of Québec



After serving for 20 years with National Bank Financial, Mr Clément Gignac is widely recognized for his knowledge of financial issues and has consistently ranked among the top strategists and economists in the country. Currently, Minister Gignac is the only elected Canadian official who is a member of

the Global Agenda Council network of the World Economic Forum (WEF).

DR SURESH GOYAL

Head of Green Research, Bell Labs



Dr Suresh Goyal heads the Green Research theme at Bell Labs, involving cross-domain research on sustainable networks and energy-efficiency enablement. Bell Labs' green research involves more than fifty researchers and a large number of external collaborators. A center point of Bell Labs' green research is GreenTouch®—a global research consortium, formed under the leadership of Bell Labs, with the goal of inventing sustainable, ultra-energy-efficient, ICT networks. Suresh led the Bell Labs research teams that performed the analyses leading to the formation of GreenTouch®.

Dr Goyal also holds an Adjunct Professor position at the University of Limerick, in Limerick, Ireland, with a research focus on mechanics and energy harvesting. He is a founding member of Bell Labs Ireland, and the Center for Telecommunications Value Chain Research (CTVR), where he co-led strategy development, and led the Test and Reliability research group for 5 years. He has previously held positions in optical networking research and wireless packaging research in Bell Labs. Suresh also served as Adjunct Professor at Carnegie-Mellon University, in Pittsburgh, PA. He obtained his PhD from Cornell University, in Ithaca, NY, an MS from the University of Iowa, in Iowa City, IA, and a BTech from the Indian Institute of Technology, Kharagpur, India.

MR PETER W GREENWOOD, MA, FCS, FCIS
Group Executive Director – Strategy, CLP Holdings



Mr Peter W Greenwood is the Group Executive Director – Strategy at CLP Holdings, responsible for supporting the CEO on matters relating to the overall strategy and direction of the CLP Group's activities. Mr Greenwood holds an MA degree in law from the University of Cambridge and a diploma

in German law from the University of Tuebingen. In 2006, he completed the full-time study for an MA degree in War Studies from King's College, London University (with distinction). He is a Fellow of The Institute of Chartered Secretaries in England and the Hong Kong Institute of Chartered Secretaries. Mr Greenwood is a solicitor in England and Wales and in Hong Kong, as well as being qualified as an avocat in France.

Before joining the CLP Group in 1995, he was a solicitor with leading corporate law firms in London, Hamburg, Hong Kong, and Paris. Between 1996 and 2005, Mr Greenwood was the Company Secretary and Corporate Counsel of CLP Holdings.

MR DEEPAK GUPTA, IAS

Secretary, Ministry of New and Renewable Energy
(MNRE), Government of India



Secretary to the Ministry of New & Renewable Energy, Government of India since 1 July 2008, Mr Deepak Gupta belongs to the 1974 batch of the Indian Administrative Service (IAS). A post-graduate in History from St Stephen's College and MPhil in International Relations from Jawaharlal Nehru University, he did a Masters in Public Administration from the Kennedy School, Harvard University in 1992 as a Mason Fellow. He has worked in different areas in the central and state government, including a deputation to India Trade Centre, Brussels, as Adviser (Jute & Coir) in the eighties. He also served as Adviser with the World Health Organization in Delhi in 2004.

LYONPO DR PEMA GYAMTSHO

Minister for Agriculture, Ministry of Agriculture and Forests, Bhutan



Currently the Minister of Agriculture, Royal Government of Bhutan, Dr Pema Gyamtsho is an agronomist and development planner. He has previously held positions like Deputy Resident Coordinator, Helvetas/SDC Bhutan; Senior Natural Resources Policy Specialist, ICIMOD, Kathmandu;

Head, Policy and Partnership Development, ICIMOD, Kathmandu; Deputy Secretary and Head, Policy and Planning Division, Ministry of Agriculture. Dr Gyamtsho has served as Member of National Environment Commission and Chairman, Bhutan Trust Fund for Environment Conservation. His professional interests include natural resources management and planning, policy formulation in agriculture, forestry, livestock, and food production; rangeland management, livestock development, participatory approaches, and research and extension institutional building.

PROFESSOR HIRONORI HAMANAKA

Chair of the Board of Directors, Institute for Global Environmental Strategies (IGES), Japan



Prior to his current position, Professor Hamanaka was the Vice-Minister for Global Environmental Affairs at the Ministry of the Environment, Japan. He has been serving with the Government of Japan for more than 35 years, mostly in the field of environmental policies. In particular, he has devoted his administrative career to inter-governmental negotiations in areas, including the Kyoto Protocol and its rules of implementation, as well as major agreements in the field of sustainable development.

DR RATHANA PEOU VAN DEN HEUVEL

Associate Professor, University of Liberal Arts,
Bangladesh



Apart from her current occupation as Associate Professor and Deputy Director of the Institute for Sustainable Development (ISD- ULAB) and Member of the ULAB Academic Council, Dr Rathana Peou Van Den Heuvel has extensive experience working on DIPECHO Partner DRR Consultancy

Projects in Bangladesh; with poor and marginalized groups in rural Bangladesh especially with regard to the solidarity system and the WASH situation; knowledge and understanding of major issues surrounding community mobilisation in development contexts; experience of M&E methodologies within donor funded projects (DFID, UNICEF, ECHO, DAH) and Project Cycle Management Tools and Reporting. She holds a PhD in Political Science and minor in Arabic and Philosophy.

DR WAKAKO HIRONAKA

Former Member, House of Councillors, Japan



Dr Wakako Hironaka is a former Member of the House of Councillors, former Vice Chair of the Democratic Party of Japan, and former Minister of the Environment. She had been active as Chair of GLOBE Japan, a Member of Earth Charter Initiative, and was conferred an Honorary Doctorate from

Brandeis University.

PROF. JANE DEN HOLLANDER

Vice-Chancellor and President, Deakin University,
Australia



Professor Jane den Hollander started her tenure as Vice-Chancellor and President of Deakin University on 19 July 2010. Prior to taking up this appointment, Professor den Hollander was Deputy Vice-Chancellor (Academic) at Curtin University of Technology in Western Australia.

Professor den Hollander holds a BSc (Honours) First Class in Zoology and a Master of Science degree from Wits University, Johannesburg. Her PhD from the University of Wales, Cardiff, focused on early stem cell work.

MR PIERRE JACQUET

Chief Economist, French Development Agency



Mr Pierre Jacquet has been chief economist of the French Development Agency (AFD, Paris) since January 2002. He was also AFD's executive director in charge of strategy from 2002 to 2010. He is also professor of international economics and chairman of the department of economics and social sciences at the Ecole des Ponts – ParisTech (ENPC). He is also a member of the Economic Council for Sustainable Development (CEDD) set up by the Ministry of Ecology, Energy, Sustainable Development, and Sea, and of the Strategic Council on Sustainable Agriculture and Agroindustry (CSAAD) set up by the Ministry of Agriculture. He belongs to the “Cercle des Economistes”, a group of French economists partnering for daily comments with a French radio, Radio Classique, and organizing various conferences and seminars.

He was formerly deputy director of the French Institute of International Relations (IFRI) in Paris and chief editor of IFRI's quarterly review *Politique Etrangère*. He is a former member (1997–2006) of the Council of Economic Analysis, a independent advisory panel set up by the French Prime Minister.

He co-edits with Laurence Tubiana and Rajendra Pachauri, a yearly book on sustainable development, *A Planet for Life*, jointly published by the AFD, the Institut du développement durable et des relations internationales (IDDRI), and TERI. His latest book, jointly authored with Agnès Benassy-Quéré, Benoît Coeuré, and Jean Pisani-Ferry is the textbook *Economic Policy: theory and practice*, published in September 2010 by Oxford University Press.

MR ASHOK JAITLEY

Distinguished Fellow and Director, Water Resources Division, TERI



Mr Ashok Jaitly is a Distinguished Fellow with TERI, New Delhi having retired from the IAS as Chief Secretary of Jammu and Kashmir. Mr Jaitly heads the Water Group and oversees all activities relating to Water and Sanitation in the Institute. He additionally holds affiliations, namely,

Director, TERI's Knowledge Hub on Water and Climate Change Adaptation in South Asia, established under the Asia Pacific Water Forum's network of Water Knowledge Hubs which is coordinated by the Asian Development Bank and the Public Utilities Board of Singapore; Chair, India National Advisory Committee of the IUCN project "Ecosystems for Life: A Bangladesh-India Initiative"; Chairperson, India WASH Forum of the Water Supply and Sanitation Collaborative Council, a UN sponsored body based in Geneva; Member, Technology Mission "Winning, Augmentation, and Renovation" for Water Technology Mission: WAR for Water of the Department of Science & Technology, Government of India; Member, High Level Committee instituted by the National Drinking Water and Sanitation Council in the Department of Drinking Water Supply, Ministry of Rural Development, Government of India. Mr Jaitly has served as Consultant to the High Level Steering Committee on Water Mission (NAPCC) of the Ministry of Water Resources, Government of India.

MR ABDOULIE JANNEH

Under-Secretary-General and Executive Secretary,
United Nations Economic Commission for Africa
(UNECA), Addis Ababa, Ethiopia



Mr Abdoulie Janneh (Gambia) is currently serving as United Nations Under-Secretary-General and Executive Secretary of the United Nations Economic Commission for Africa (UNECA). Since Mr Janneh joined UNECA, he has taken steps to strategically re-position the organization to better support Africa's development agenda. He has also overseen the articulation of business plans in ECA to operationalize the new strategic vision of promoting regional integration and helping Africa to meet its special needs. He also serves on the advisory panels of a number of organizations involved in Africa's development and has delivered over the years a number of keynote addresses, policy statements, and written articles on issues germane to Africa's development. He obtained a Master of Arts degree in Urban and Regional Planning Studies from the University of Nottingham in England. He is also a graduate of Engineering Science from Fourah Bay College, Sierra Leone.

MS ABAN MARKER KABRAJI

Regional Director, Asia, IUCN, International Union
for Conservation of Nature and Natural Resources,
Thailand



Ms Aban Marker Kabraji leads IUCN's work in the 23 countries of the Asia region. This includes interaction with IUCN's Members and Commissions, oversight of eleven country offices, nine expert groups, and nearly 100 active environmental initiatives. She is IUCN's Senior Adviser on

Regionalization and Coordinator of all IUCN's Regional Programmes worldwide.

PROFESSOR GRETCHEN KALONJI

Assistant Director General for Natural Sciences,
UNESCO



Professor Gretchen Kalonji assumed the position of Assistant Director General for Natural Sciences at UNESCO effective 1 July 2010. Prior to joining UNESCO, Professor Kalonji served in various leadership roles at the University of California, including as Director of International Strategy Development at the UC Office of the President, where her responsibility was to lead in the design and implementation of the first coordinated and comprehensive international strategy for the ten-campus UC system, and as Director of Systemwide Research Development. Professor Kalonji came to the UC from the University of Washington, where she served as Kyocera Professor of Materials Science from 1990–2005. Prior to joining UW, she served as Assistant and Associate Professor in the Department of Materials Science and Engineering at MIT, where she earned her BSc degree in 1980 and her PhD in 1982. Professor Kalonji's areas of materials science expertise include symmetry constraints on the structure and properties of crystalline defects, phase transformations, and microstructural evolution. She also has extensive experience in innovations in science and engineering education, as well as in new models for international research collaboration. Her work, both in materials science and in research and educational innovation, has been recognized with multiple honours and awards. She holds or has held visiting faculty appointments at the Max Planck Institute (Stuttgart), the University of Paris, Tohoku University, Sichuan University, Tsinghua University, and the newly established Peking University Graduate School in Shenzhen.

DR TAYEB A KAMALI

Vice Chancellor, The Higher Colleges of Technology (HCT), Dubai



Dr Tayeb A Kamali is the Vice Chancellor of the Higher Colleges of Technology (HCT), the UAE's largest higher education institution. For two decades, Dr Kamali has spearheaded education, training, research, and applied technology programmes in the UAE and the Middle East regions. He

has helped create a ground-breaking, world class eLearning institution at HCT through the strategic implementation of technology in education with initiatives, such as integrated wireless campus infrastructures, online learning and knowledge management programmes.

As a result, HCT is a cutting-edge learning institution that provides UAE students with technological skills and the ability to innovate in an increasingly competitive global market. Dr Kamali has played a significant role in the introduction of numerous international conferences, focused on leadership, education, innovation, and entrepreneurship, such as Education without Borders, Festival of Thinkers, and the HCT Global Entrepreneurship 2010 conference.

Dr Kamali is also the founding Group Chief Executive of the Centre of Excellence for Applied Research and Training (CERT), the research and training arm of HCT, which was formed in 1996. He is Chairman of the CERT Thales Institute; CERT Hadi Teherani; the Emirates Driving Company; CERT Info Track Telematics; and he is the Vice Chairman of the Institute of Applied Technology's Governing Council.

He is a founding Board Member of the World Federation of Colleges and Polytechnics (WFCP) and

a member of the World Economic Forum's Regional Agenda Council on the Middle East & North Africa.

Dr Kamali is also a board member of a number of corporate entities and institutions, including Tanmia (The National Human Resource Development and Employment Authority); ICT Fund (Telecom Regulatory Authority); the CERT-Wharton Family Business & Entrepreneurship Research Centre; the Future Centre for Special Needs, Abu Dhabi; and the Higher Education Sports Federation.

Dr Kamali holds a Doctorate in Engineering from the George Washington University, USA and an honorary Doctorate in Engineering from the University of Waterloo, Canada. He also holds a number of qualifications from the Embry Riddle Aeronautical University, USA, being an MBA (Concentration in Aviation), a Bachelor of Science in Aeronautical Engineering and a Bachelor of Science in Aircraft Engineering.

He has received many education and leadership awards throughout his career including France's highest award for education, the *Palmes Académiques* in 2006 and the Human Resource Leadership Award from the World Human Resource Development Congress in 2006 and 2009.

MS JULIE T KATZMAN

Executive Vice President, Inter-American Development Bank, USA



Ms Julie T Katzman was appointed the Executive Vice President of the Inter-American Development Bank (IDB) in December 2010. She joined the IDB in March 2009, as General Manager of the Multilateral Investment Fund (MIF). The MIF's focus is providing access to finance, basic services, and markets and capabilities. Ms Katzman graduated summa cum laude from the School of Foreign Service at Georgetown University and received her MBA from Northwestern University. She came to the IDB after a career in private equity/investment banking and serves on the Boards of the ICRW and the Instituto de Empresa in Madrid.

MR A G KAWAMURA

Former Secretary, Department of Food and
Agriculture, California Government, USA



Mr A G Kawamura served as California Secretary of Agriculture from 2003 to 2010. He is the co-chair of Solutions from the Land, a UN Foundation-funded project that is developing a sustainable roadmap for 21st-century agricultural systems. He is a third generation grower and shipper from urban Southern California.

MR HARRI KERMINEN

President and CEO of Kemira, Finland



Mr Harri Kerminen has been Chairman of the Board, President and CEO of Kemira Oyj since 1 January 2008. Before that he has served the company in various capacities including President of the Kemira Pulp & Paper business area, President of the Kemira Specialty business area, Vice President, Human Resources, Manager of Oulu plant of Kemira Oyj, Production Manager, and Project Manager, plant construction projects in Finland, Sweden, Belgium, and the US.

Mr Kerminen is also Member of the Board of CEFIC since 2008; Vice Chairman of the Board (since 2009) and Chairman of the Board (since 2011), Chemical Industry Federation of Finland; Member of the Board, East Office of Finnish Industries Oy (since 2009). He holds a degree in MSc (Engg) and MBA and is an Honorary Mining Counselor.

HE MR MALIK AMIN ASLAM KHAN

Former Minister of State (Environment), Pakistan and
Executive Director, ENVORK



Mr Malik Amin Aslam Khan has been elected MNA for his first term as a PML(Q) candidate. His educational qualifications include a BSc Electrical Engineering degree from University of Engineering and Technology, Lahore in 1990 and an MBA in Finance from McGill University, Canada in 1993, followed by MSc in Environmental Management from Oxford University, UK in 1996. Mr Malik Amin Aslam Khan was awarded the Col Abid Gold Medal by Aitchison College in 1990 and is also a member of the International Editorial Board of *Climate Policy* journal. An Agriculturist/Environment Consultant by profession, he has served as a member of the Government of Pakistan Environmental Advisory Board since 1999 and as a member of the UN Working Group on Climate Change since 1997. Mr Malik Amin Aslam Khan is a member of the Young Parliamentarians Forum (YPF) of Pakistan.

MS NAINA LAL KIDWAI

Group General Manager and Country Head, HSBC
India



Ms Naina Lal Kidwai is Group General Manager and Country Head of HSBC in India, which employs 35 000 people comprising Banking services, Insurance, Asset Management, HSBC Securities and Capital Markets, Retail broking, HSBC Software Development (India) Private Ltd, and the Global service centres (BPOs servicing HSBC's operations in the UK, EU, and USA).

An MBA from Harvard Business School, she has been recognized in India and abroad with several awards and listings for leadership and business. Repeatedly ranked in the *Fortune* global list of Top Women in Business, in the *Wall Street Journal* and *Financial Times* Global Listing of Women to Watch and listed by *Time Magazine* as one of their 15 Global Influentials 2002. She received the Padma Shri from the Government of India for her contribution to Trade and Industry Her international engagements include being a non-executive director on the board of Nestle SA, Chairman City of London's Advisory Council for India, Global Advisor, Harvard Business School. She is on the Governing Board of NCAER, Audit Advisory Board of the Comptroller and Auditor General of India, and on the National Executive Committee of CII and FICCI. Her interests include microfinance and livelihood creation for rural women and environment.

MR AMIT KUMAR, ME

Director, Energy-Environment Technology
Development Division, TERI



Mr Amit Kumar is a Mechanical Engineer with specialization in thermal engineering from Indian Institute of Technology, Roorkee. He has been working on the development and diffusion of cleaner and renewable energy resources based technological solutions in India for over 27 years. His experience ranges from policy and programme formulation, through project implementation, to the design and development of renewable-energy technologies, as well as manufacturing of solar energy devices. In TERI, currently he is responsible for research activities in the fields of renewable energy, energy efficiency in industries, sustainable habitats, and resource efficient process technology applications. Besides coordinating part of a multi-country GEF-supported study to assess solar and wind resources in developing countries; he has also been actively involved in projects related to development of Sri Lanka's policy framework for renewable resource based electricity generation and development of integrated energy management master plan for Bhutan. At the field level, he managed the design, construction and commissioning of one of the largest solar ponds at Bhuj in western India from 1987 to 1996, and Asia's first solar powered cold storage in early eighties. He is also actively involved in activities related to knowledge management and sharing.

In his capacity as the Regional Programme Advisor, REEEP South Asia Secretariat, he oversees REEEP activities in the region.

MR HARUHIKO KURODA

President, Asian Development Bank, The Philippines



Mr Haruhiko Kuroda is the President of the Asian Development Bank (ADB) and the Chairperson of ADB's Board of Directors. He was elected President by ADB's Board of Governors in November 2004 and was reelected in November 2006 for a new five-year term.

Before joining ADB, Mr Kuroda was Special Advisor to the Cabinet of Japanese Prime Minister Junichiro Koizumi and a professor at the Graduate School of Economics at Hitotsubashi University in Tokyo.

In a career spanning nearly four decades, Mr Kuroda has represented Japan's Ministry of Finance at a number of international monetary conferences as Vice Minister of Finance for International Affairs.

Born in 1944, Mr Kuroda holds a BA in Law from the University of Tokyo and a Master of Philosophy in Economics from the University of Oxford.

HE MR BRICE LALONDE

Former Minister of Environment, France



A newly appointed Executive Coordinator of the United Nations Conference on Sustainable Development for the Rio + 20. He is foremost an environmental activist, and as a student at Sorbonne he was one of the leaders of the Union nationale des étudiants de France (UNEF), the French National Students' Union, which brought France to a standstill with protests and riots in the late '60s. A few years later he joined and led the environmental organization, "les Amis de la Terre" (Friends of the Earth). He was a journalist for *Le Sauvage*.

In 1974, he directed the presidential campaign of ecological politician René Dumont. In 1981, he stood himself candidate on the green ticket at the next presidential election. He led the movement for free radio broadcasting in France. In 1986, he spearheaded the clean up of the pollution of the Rhine caused by pharmaceutical companies. From 1988–1992, he was French Minister of environment of France. In 1990, Mr Lalonde founded in the party Génération Ecologie, which resulted in a runaway electoral success in 1992. From 1995 to 2008, he was the mayor of Saint-Briac-sur-Mer, a small Breton village. He worked at the same time as consultant on environment and development visiting many African countries, focusing on access to energy, reducing deforestation, and combating desertification. In 2007, he became the chair of the Round Table for Sustainable Development in the OECD. In September of the same year, Mr Lalonde became the French ambassador in charge of international negotiations on climate change.

MR PETER LEHNER

Executive Director, Natural Resources Defense Council (NRDC), USA



Mr Peter Lehner is Executive Director of the Natural Resources Defense Council (NRDC), managing a staff of 400 lawyers, scientists, and environmental professionals in seven offices across the US and China. Mr Lehner previously served as chief of the Environmental Protection Bureau of

the New York State Attorney General's office. Mr Lehner holds an AB in philosophy and mathematics from Harvard College and is a graduate of Columbia University Law School, where he continues to teach environmental law.

HE MS PAULA LEHTOMÄKI

Minister of the Environment, Finland



Ms Paula Lehtomäki holds the current post since 11 April 2008. She held the position of Minister of the Environment from 19 April 2007 to 28 September 2007; Minister for Foreign Trade and Development (17 April 2003 to 2 September 2005), and Minister at the Prime Minister's Office (3 March 2006 to 19 April 2007). She was the Deputy Leader of the Centre Party from 2002 to 2010. She was Chairperson, Parliamentary Finance Committee (2003) and Member of the Finnish Delegation to the Nordic Council (1999–2003).

PROF. DENNIS LOVEDAY

Professor, Sustainability Research School,
Loughborough University, UK



Professor Dennis Loveday is Director of the University's Sustainability Research School, involving leadership of the multidisciplinary research activities of over 40 academicians. He has 20 years of experience in project leadership, including research into occupant thermal comfort and, most recently, as Principal Investigator for the 2m CALEBRE project, research concerned with refurbishing the UK's solid wall housing for reduction of carbon emissions, taking into account the user requirements. Having played a leading role in the successful bid by the Midlands Energy Consortium (MEC) to host the Energy Technologies Institute, he chairs the MEC's Science Group.

DR MOHAMMED HASAN MAHMUD MP

State Minister for Environment and Forests, Peoples
Republic of Bangladesh



Dr Mohammed Hasan Mahmud obtained his PhD in Environmental Chemistry from Limburg University Centrum, Belgium, in 2001. He speaks French and Dutch and is an Adjunct Faculty member of a few reputed Universities. Since 2001, he works as the Special Assistant to Hon'ble leader and the present Prime Minister of Bangladesh Sheikh Hasina. Dr Mahmud was State Minister for Foreign Affairs during January–July 2009. Since July 2009, he has been in independent charge of the Ministry of Environment and Forests.

DR AJAY MATHUR

Director-General, Bureau of Energy Efficiency (BEE),
India



Dr Ajay Mathur is Director General of the Bureau of Energy Efficiency, and a member of the Prime Minister's Council on Climate Change. As Director General of BEE, Dr Mathur coordinates the national energy efficiency programme, including the standards and labeling programme for equipment

and appliances; the energy conservation building code; the industrial energy efficiency programme, and the DSM programmes in the buildings, lighting, and municipal sectors. Dr Mathur has also worked on energy research, financing, and implementation. He has headed the World Bank's Climate Change Team in Washington, DC; and the Energy Engineering Division of TERI in New Delhi; and has also been President of Suzlon Energy Limited. He received his Bachelor's degree in Chemical Engineering from the University of Roorkee, and PhD from the University of Illinois. He received the Outstanding Alumni Award of the University of Illinois in 2002.

MR HIDEKI MINAMIKAWA

Vice Minister, Ministry of the Environment,
Government of Japan



Mr Hideki Minamikawa joined the Environment Agency (Ministry of the Environment since 2000) in 1974. Before assuming his present position, he was in charge of international negotiations on biodiversity (CBD COP10) and climate change (UNFCCC COP16) as the Vice-Minister for International Environmental Affairs. He was appointed to his present position in 2011.

DR ARABINDA MISHRA

Director, Earth Science and Climate Change, TERI &
Dean, Faculty of Policy & Planning, TERI University



Dr Mishra is an economist with research experience covering varied themes such as climate change risks and community-level vulnerability assessment, institutions and governance aspects of environmental management, natural resource accounting, management of ecosystems and their services for poverty alleviation, and trade-related environmental regulations. His expertise is in methods of economic analysis and he is involved in education and training of development professionals, providing advisory support on climate policy to government agencies, research supervision, and large-scale project management. Dr Mishra is currently leading TERI's engagement with a number of State Governments in India for preparing State Action Plans on Climate Change. He has to his credit a number of publications and has participated in as well as organized a number of international Seminars / Conferences / Workshops.

MR MUTSUYOSHI NISHIMURA

Special Advisor to the Cabinet in charge of Climate Change, Japan



Being a foreign service officer of Japan, he was Consul-General in Chicago in 1994. Then he became Director-General for European Affairs Bureau of Gaimusho in 1997. He was Ambassador to the OECD (1999–2002) and to Mexico (2003–2005).

Since 2005, he was Ambassador-in-charge of Global Environment and chief climate negotiator for the Government of Japan. In 2008, he was appointed Special Advisor to the Cabinet in charge of climate change. Since 2010, he is a member of UN Secretary-General's High-level Advisory Group on Climate Change Financing (AGF).

MR SHYAM NOKTA

Adviser to the President and Head, Office of Climate Change (OCC), Office of the President, Guyana



Mr Shyam Nokta is an Adviser to the President and Head, Office of Climate Change (OCC) in the Office of the President, Guyana. The OCC is responsible for coordinating Guyana's response to climate change and implementing Guyana's Low Carbon Development Strategy (LCDS),

including the Memorandum of Understanding between Guyana and Norway. The LCDS has received national and international acclaim and is currently being positioned as a national-scale model for REDD+ in HFLD countries.

Mr Nokta is eminently qualified in environmental assessments, natural resources management, and tourism with substantial experience in environmental and social impact assessments (EIAs) and strategic environmental assessment (SEAs), biodiversity management among other areas.

He holds a Master of Science in Environmental Assessment and Management with Distinction from the University of Oxford-Brookes, a Bachelors Degree in Environmental Studies and Diploma in Tourism Studies from the University of Guyana. He has professional and specialized training in project management, conservation, and protected areas. Mr Nokta is the recipient of several academic awards including a Fulbright Scholarship to pursue PhD studies.

DR LIGIA NORONHA

Director, Resources, Regulation, and Global Security,
TERI



Ligia Noronha is a Senior Fellow of The Energy and Resources Institute (TERI), India, and Director of the Resources and Global Security Division. The Division serves as a focal point for TERI's research on studies and strategies for resources – conserving, sharing, responsible development, and use – to assist India's efforts at developing a positive vision for a more global and regional security. Her work at TERI includes leading and managing a research agenda and team on resource security, resource and environmental federalism, and policy issues relating to emerging technologies, trade and environment. She has an M.A. in Economics from the University of Bombay , and an M.Sc in Sea Use Law, Economics and Policy, and a PhD from the London School of Economics.

DR ANTHONY OKON NYONG

Division Manager, Environment and Social
Protection, African Development Bank



Dr. Anthony Nyong is the Division Manager, Environment and Social Protection at the African Development Bank. He was previously head, Gender, Climate Change and Sustainable Development Unit at AfDB. He has been a senior program specialist in climate change with International Development

Research Centre (IDRC) in the Eastern and Southern Africa Regional Office in Nairobi, Kenya. Before joining IDRC, he was a professor of global environmental change and the director of the Centre for Environmental Resources and Hazards Research at the University of Jos, Nigeria. He is a coordinating lead author of the Africa chapter for the Intergovernmental Panel on Climate Change's (IPCC) Fourth Assessment Report and serves on the Scientific and Technical Advisory Panel of the Global Environment Facility.

DR R K PACHAURI

Director-General, TERI



Dr R K Pachauri is Director-General, TERI; Director of the newly established Yale Climate and Energy Institute (YCEI); and President, TERI North America. He has been the Chairman of Intergovernmental Panel on Climate Change (IPCC) since 2002. He accepted the Nobel Peace Prize in 2007 on behalf of IPCC, which shared the honour with former Vice President of US, Mr Al Gore. He has been conferred with several awards, including 'Padma Vibhushan' the second highest civilian award in 2008, 'Officier De La Légion D'Honneur' by the Government of France in 2006, and 'Padma Bhushan' in 2001 for his outstanding contribution in the field of science, engineering, and environment. He has recently been bestowed with the 'Commander of the Order of Leopold II' by His Majesty the King of Belgium. He is actively involved in several international forums dealing with climate change policies and has been associated as faculty with academic and research institutions of national and international repute. He has authored 23 books and several papers and articles.

PROFESSOR LUIGI PAGANETTO

Secretary General, IEA and Tor Vergata Economics
Foundation President, Italy



Professor Luigi Paganetto is full Professor of International Economics, President of the Tor Vergata Economics Foundation, Secretary General of the International Economic Association and President of the Centre for International Studies on Economic Growth, at the University of Rome “Tor

Vergata”. He is an author of articles and books on Macroeconomic Theory, International Economics, Italian and European Industrial Economics, and Energy Economies.

MR CARL POPE

Chairman, The Sierra Club, USA



Mr Carl Pope became Chairman of the Sierra Club in 2010, after serving for more than seventeen years as Executive Director. A veteran leader in the environmental movement, Mr Pope has been with the Sierra Club for more than thirty years. In that time, he has also served as Associate Conservation Director, Political Director, and Conservation Director. Under Mr Pope, the Sierra Club helped protect nearly 10 million acres of wilderness, including such highlights as the California Desert, Utah's Grand Staircase-Escalante National Monument, and California's Giant Sequoia National Monument. The Club brought the litigation challenging the right of Vice-President Cheney's Energy Task Force to conduct its policy-making in secret negotiations with major energy interests. The Sierra Club also collected more than a million comments—the most public comments on a single regulatory issue in history—in support of protecting the remaining roadless areas in America's National Forests.

LORD JOHN PRESCOTT

Former Deputy Prime Minister of the United Kingdom, Former Secretary of State for the Environment, Transport and the Regions, Member of Parliament for Hull East, UK



Lord John Prescott was Member of Parliament, United Kingdom between 1970 and 2010. From 1997 to 2007, he was Deputy Prime Minister, United Kingdom. He led negotiations with 120 nations at Kyoto, resulting in the first treaty on climate change. In 2010, he was made a Lord and remains the

Council of Europe's Rapporteur on climate change.

HE MR JUAN RAFAEL ELVIRA QUESADA

Minister of Environment and Natural Resources,
Mexico



Appointed Minister of Environment in 2006, Mr Juan Rafael Elvira Quesada's work has been marked by unprecedented initiatives to address climate change at the national and international levels. He is an Agricultural Engineer from the National Autonomous University of Mexico, with a Master of Science Degree in Agricultural Engineering by the National College of Agricultural Engineering in Bedfordshire, UK. Mr Elvira has been recognized with the Medal for Latin-American Integration "Simon Bolivar", and the award "More Mexico in United Nations, more United Nations in Mexico"

MR JAIRAM RAMESH

Hon'ble Minister of State (I/C) for Environment and Forests, Government of India



Mr Jairam Ramesh currently leads India's environment agenda as India's Minister of State (Independent Charge) for Environment and Forests. He has earlier held portfolios (as Minister of State) in the Ministry of Commerce and Industry and the Ministry of Power, and has been Member of the National

Advisory Council. Mr Ramesh studied Engineering at IIT Bombay, Management and Public Policy at Carnegie Mellon University, and technology policy at MIT.

MR I H REHMAN

Director, Social Transformation Division, TERI



A British Chevening scholar of the 2000 batch and a post-graduate in Chemistry and a social scientist by training, he has over 19 years experience in projects and activities related to rural development in general and rural energy management in particular. He has been actively involved in several activities related to facilitating access to modern energy technologies for rural communities. He has specific lead projects focusing on a commercial or semi commercial approach to dissemination of renewable energy technologies. He has an extensive experience of networking and liaising with formally and informally financial institutions for facilitating access to NGO for the poor. Mr Rehman has worked with bilateral agency, corporate and NGO's on the said issues. He has lead projects both within and outside the country. Mr Rehman has several publications in reputed international journals and has authored/co-authored three books.

MR ARTUR RUNGE-METZGER

Director, European Commission, DG Climate Action
of the European Commission, Brussels



Mr Artur Runge-Metzger, Director 'International & Climate Strategy', DG Climate Action of the European Commission (2009). Earlier, he was head of the unit focusing on climate strategy and international climate change negotiations. Before this, he spent two years as Head of Operations

in the EC Delegation to Bosnia, and from the end of 1997 until 2001, he worked in DG Development and DG Environment in Brussels on a wide range of environmental issues. He joined the European Commission in 1993, when he was first responsible for the bilateral co-operation covering agricultural policies, rural development, and the environment in the EC Delegation in Zimbabwe. After his University education, he started his professional career at the University of Göttingen, Germany in 1985. His main scientific and lecturing topics were natural resources economics and development economics, including extensive research in rural West Africa. He holds a doctoral degree in agricultural economics.

**HE PROF. HUMBERTO DELGADO UBACH
CHAVES ROSA**

Minister of State of Environment, Portugal



Mr Humberto Rosa has served as Minister of State of Environment since October 2009. He is also Professor of Animal Biology at the University of Lisbon and holds a PhD in Biology from the University of Lisbon.

PROF JEFFREY D SACHS

Director, The Earth Institute & Special Advisor to the Secretary General of the United Nations



Prof Jeffrey D Sachs is the Director of The Earth Institute, Quetelet Professor of Sustainable Development, and Professor of Health Policy and Management at Columbia University. He is also Special Advisor to UN Secretary-General Ban Ki-moon. From 2002 to 2006, he was Director of the

UN Millennium Project and Special Advisor to United Nations Secretary-General Kofi Annan on the Millennium Development Goals.

DR ABDULBASIT SALEM SAIRAFI

Deputy Assistant for Sustainable Development,
Saudi Arabia



Dr Abdulbasit Salem Sairafi, Representative, Ministry of Petroleum and Mineral Resources, Saudi Arabia holds a BSc degree in Engineering and a Phd in Chemical Engineering. He is a member of the contractors pre-qualification committee and a member of the committee formed to study and give recommendations for offers. Dr Sairafi was also the representative of the Petromin during the construction period of Mahd Adahab and the Petromin controller of mineral processing unit. He was involved in the design phase, evaluation, and construction of the gold processing unit.

DR NELSON SAM

Global Managing Director, Advisory Services,
Point Carbon, Sales and Trading, Thomson Reuters,
UK



Dr Nelson Sam is the Managing Director at Point Carbon, managing the Global Advisory Services. His wide experience includes successful tenures at Mckinsey & Company, Ernst and Young, and IRD. Dr Sam has over 12 years of experience in corporate development, business consulting,

transaction advisory (project financing and M&A), stakeholder management (government and private sector), investment strategy and business analysis, providing advisory services in energy and climate change across sectors (energy efficiency, renewables, and offsets). He has also advised clients in the development of a low-carbon strategy and in structuring of carbon finance/funds and low carbon portfolio investments. Dr Sam's clients include large corporates (high energy generating, energy using companies), regional and national governments, banks, and financial institution groups. He has a doctorate degree, specializing in numerical modelling and is a life member of the Indian Meteorological Society.

MR SALIFOU SAWADOGO

Minister for Environment and Sustainable
Development, Government of Burkina Faso



Mr Salifou Sawadogo was previously the Minister in charge of the relationships with the Parliament. He graduated in rural development engineering from the Institute of Rural development in Ouagadougou as well as in micro enterprise management.

Prior to entering the government, he worked for 12 years at the National Funds for the Promotion of Employment, where he served as Director General from 1998 to 2006.

His field of expertise in this panel is upon the theme—
Conservation and development: can environmental
management contribute to poverty alleviation?

DR URSULA SCHAEFER-PREUSS

Vice-President, Knowledge and Management and Sustainable Development, Asian Development Bank (ADB)



Dr Ursula Schaefer-Preuss is Vice-President of the Asian Development Bank (ADB) for Knowledge Management and Sustainable Development since November 2006. Prior to joining ADB, she was the Director General of the Federal Ministry for Economic Cooperation and

Development in Bonn/Berlin, Germany. Dr Schaefer-Preuss is an economist and has been engaged in the field of development policy for more than 30 years.

MR ANDREAS SCHILD

Director General, ICIMOD, Nepal



Mr Andreas Schild is the Director General of ICIMOD. He was a Country Director of Swiss Development Cooperation in Nepal and Rwanda/Burundi; Executive Director of Intercooperation, and CTA in UNDP North Korea. Prior to joining ICIMOD, he was the Team Leader of the National Solidarity Program (NSP) in Afghanistan. He was awarded with the Sir Edmund Hillary Himalayan Environment Award in October 2008 and King Albert Medal of Merit in August 2010.

MR GLENN SCHMIDT

Head of Steering Governmental Affairs, BMW AG,
Germany



In March 2010, Mr Glenn Schmidt was appointed Head of Steering Governmental Affairs at BMW AG, Munich. He has had a long professional tenure with BMW in various capacities including project manager. Mr Schmidt was earlier associated with Horváth & Partners Management Consultants, Munich and Volkswagen AG, Wolfsburg. He holds a Master of Business Administration (MBA) degree from Krannert Graduate School of Management, Purdue University in West Lafayette, USA and General Management Studies, Berlin School of Economics, Berlin und Anglia Polytechnic, Cambridge, UK.

MR MAREK SKOLIL

Director General, Division for Economic Cooperation and Country Promotion, Ministry of Foreign Affairs of the Czech Republic (MFA), Prague



Mr Marek Skolil is Director General of the Division for Economic Cooperation and Country Promotion, Ministry of Foreign Affairs of the Czech Republic (MFA), Prague. Previously, he held the positions of Consul General of the Czech Republic to the United States, Chicago and Ambassador of the Czech Republic to Lebanon, Beirut. He was also the Director of the Department of External Economic Relations and International Organizations, MFA, Prague; the Ambassador of the Czech Republic to Vietnam, Hanoi; Senior Advisor to the Minister of Foreign Affairs, MFA, Prague; and Deputy Chief of Mission, Embassy of the Czech Republic in France, Paris. Mr Skolil holds a DESS, Sociology of Organizations, University of Paris IX – Dauphine and Maitrise, Clinical Psychology, University of Paris X – Nanterre.

HE MR LAURENT SEDOGO

Minister of Agriculture, Water Resources and Fisheries, Burkina Faso



Mr Laurent Gouind Sedogo has a doctorate in participatory land use planning and sustainable land management. Since March 2008, he is serving as the Minister of Agriculture, Water Resources, and Fisheries. From January 2004 to March 2008, he held the position of Minister of Environment

of Burkina Faso. He is also Vice President of the Bureau of the UNEP Governing Council. From 1984 to 1987, he occupied several high administrative and political positions and was among the pioneers who set up the national committee for desertification control in Burkina Faso. From 1988 to 1990, he was appointed as Minister of Farmers' Cooperatives. From 1991 to 1993, he was the manager of the desertification control programme (LUCODEB) at the Ministry of Environment.

MR BITTU SEHGAL

Editor, Sanctuary Asia and Sanctuary Cub
Magazines, India



Mr Bittu Sahgal edits *Sanctuary Asia* magazine and founded Kids for Tigers, the Sanctuary Tiger Programme. A trustee of the Wildlife Conservation Trust (India) & The Wild Foundation (US), he is also a member of India's National Board for Wildlife. He helps network groups working on biodiversity and climate change issues.

MR DIGVIJAYA SINGH

Former Chief Minister of Madhya Pradesh and General Secretary, Indian National Congress



Mr Digvijay Singh is the former Chief Minister of Madhya Pradesh and General Secretary, All India Congress Committee. He has been the Chief Minister of Madhya Pradesh state for two five-year terms. He first became Chief Minister on 7 December 1993 and continued to hold the post till

Congress was voted out of power in November 2003. He was recently named in a list of the 10 most powerful politicians in the UPA. Mr Digvijay Singh is also credited with the recent revival of the Congress Party in Uttar Pradesh, where the party emerged as the single largest party in the 2009 Lok Sabha Elections.

DR YUBA SOKONA

Coordinator, United Nations Economic Commission for Africa, Ethiopia



Dr Youba Sokona is the Coordinator of the African Climate Policy Centre (ACPC), based in the United Nations Economic Commission for Africa. The ACPC is a joint initiative of the African Union Commission, the African Development Bank, and the United Nations Economic Commission for Africa. He is also a co-chair of IPCC Working Group III.

Dr Sokona was the Executive Secretary of the Sahara and Sahel Observatory (OSS) from June 2004 to May 2010. A citizen of Mali, he focuses on the energy, environment, and sustainable development nexus and has broad experience in policy development in Africa. Before joining OSS, he worked for the “Environnement et Développement du Tiers Monde,” based in Dakar, Senegal. Prior to that, he served as professor at Ecole Nationale d’Ingenieur of Bamako in Mali. Throughout his career, Dr Sokona has served in various advisory capacities to African governments. He has published several books and articles on the issues of energy, environment, and development with a focus on Africa.

DR LEENA SRIVASTAVA

Executive Director – Operations, TERI



Dr Leena Srivastava is currently the Executive Director (Operations), TERI, New Delhi. She has worked on a range of issues covering energy policy/ planning, energy pricing, regulatory issues, and economics of energy development pathways in India. Dr Srivastava worked extensively on climate change issues from the early 1990s and has participated actively in various reports of the IPCC (Intergovernmental Panel on Climate Change). She was a Member of India's National Security Advisory Board and the Committee on Integrated Energy Policy. Dr Srivastava has a number of books and research publications to her credit. She is on the editorial boards of various international journals.

MR BJÖRN STIGSON

President, World Business Council for Sustainable Development (WBCSD), Switzerland



The President of the WBCSD, Mr Björn Stigson is Professor at School of Business, Economics and Law at the University of Gothenburg. He has extensive experience in international business. He began his career as a financial analyst with the Swedish Kockums Group. From 1971 to 1982, he held various positions in finance, operations, and marketing with ESAB, the international supplier of equipment for welding. From 1983 to 1991, he was President and CEO of the Flakt Woods Group, a company listed on the Stockholm stock exchange and the world leader in environmental control technology. Following the acquisition of Flakt by Asea Brown Boveri's (ABB) in 1991, he became Executive Vice President and a member of ABB's Executive Management Group. In 1995, he was appointed President of the WBCSD, a coalition of some 200 leading international corporations.

MR SANJIVI SUNDAR

Distinguished Fellow, TERI



Mr Sundar was appointed to the Indian Administrative Service in 1963. He has held several senior positions in the state of Gujarat and in the Government of India. He was also with the Commonwealth Secretariat in London for 8 years, first as Special Advisor and then as the Director of the Economic

and Legal Advisory Services Division, which was the consulting arm of the Commonwealth Secretariat. His last assignment in the Government of India was as Permanent Secretary in the Ministry of Surface Transport responsible for the development of ports, shipping, and roads when he initiated major policy changes to attract private investment in the ports and roads sectors.

He has since led TERI's work in the area of transport and has focused on promoting low carbon and sustainable transport in India. He has spoken at several national and international conferences on transport and its impact on energy, environment, and climate change. He was the chair of the expert Committee set up by the Government of India on road safety and traffic management and is currently chairing an expert committee, set up by the Government of India to review and streamline the law relating to motor vehicles. Mr Sundar has also contributed significantly to TERI's work in the area of regulation and governance, and has written extensively in newspapers and refereed journals, focusing on measures to strengthen and deepen regulatory reform. He has co-authored a book Framework of Independent Regulation and has co-edited a book on Regulatory Law in Practice. He was a Distinguished Visiting Professor at the Faculty of Law, University of Toronto, where he delivered a series of lectures on 'Regulatory Reform and Governance'.

MR TERRY TAMMINEN

CEO and Founder of Seventh Generation Advisors,
USA



Mr Terry Tamminen is an author, lecturer, and strategist on energy and the environment. He is Founder and Executive Director of Seventh Generation Advisors and serves as an operating advisor for Pegasus Capital Advisors. His latest book, *Cracking the Carbon Code: the keys to sustainable profits in the new economy* (Palgrave) shows how to find the low carbon products and services that save money, get ahead of regulations, and preserve resources for generations to come.

MR SUNIT TANDON

Director, Indian Institute of Mass Communication



Mr Sunit Tandon is presently Director of the Indian Institute of Mass Communication, the premier mass communication and journalism institute of the country. Prior to this, he was Chief Executive of the Lok Sabha Television Channel, Lok Sabha Secretariat, Parliament of India. Mr

Tandon is also a well-known news and current affairs anchor on Indian national television (Doordarshan and Lok Sabha Television) and a radio broadcaster for over thirty years on All India Radio. He has presented primetime news bulletins and anchored election, budget, and other live telecasts, apart from conducting one-on-one interviews with leading personalities and moderating discussion programmes on diverse topics.

DR STAFFAN TILLANDER

Ambassador on Climate Change, Ministry of the Environment, Government of Sweden



Mr Staffan Tillander is Ambassador on Climate Change at the Ministry of the Environment in Sweden. He was Swedish Ambassador to Ethiopia, The Sudan, Djibouti, and the African Union 2005–08. He has previously served in Brazil and at the Permanent Swedish EU Representation in Brussels. He holds a PhD in Political Science from The Pennsylvania State University in the US, where he was also a Fulbright Scholar in 1981–82. He has been involved in UN reform issues, environmental issues, as well as EU security and defence policy.

PROFESSOR SABINE TROEGER

Head, Climate Change Partnership Programme,
Horn of Africa Regional Environment Centre, Ethiopia



Professor Sabine Troeger is professor of geography at Bonn University in Germany since 2002. At present—from 2009 until mid-2012—she has taken leave from the university and holds the position as head of the Climate Change Partnership Programme at Horn of Africa Regional Environment Centre and Network (HoA-REC/N), supported by German International Cooperation (GIZ).

Professor Troeger completed PhD in 1991, and habilitated (2nd extended PhD in the German science system) in the year 2001 on 'food crisis research in Tanzania'. She is regionally specialized on Africa, especially the Horn of Africa and Southern Africa. Her scientific specialization comprises geographical development theory, societal transformation research, and climate change adaptation research.

Based at HoA-REC/N, Professor Troeger conceptually guided and supervised 12 Ethio-German teams in their climate change and adaptation research, comprising 24 months of fieldwork at various socio-ecologically diverse sites in Ethiopia. She has presented the comprehensive findings of this research to different audiences in Ethiopia, Kenya, and Germany and has published them multifold, addressing scientific as well as political and civil society communities. One publication—*Failing Seasons, Ailing Societies: climate change and the meaning of Adaptation*—will be launched at the DSDS.

DR LAURENCE TUBIANA

Founder, Institute for Sustainable Development and International Relations (IDDRI)



Laurence Tubiana is founder of the Institute for Sustainable Development and International Relations (IDDRI) in Paris. She follows and participates in the international negotiations on climate change, in which IDDRI is involved. She is also professor and director of the Sustainable Development

Center at Sciences Po Paris.

From May 2009 to May 2010, Laurence Tubiana was asked to set up the new direction of Global Publics Goods of the French Ministry of Foreign and European Affairs.

She is member of several scientific boards of main research institutions such as the French Agricultural Research Centre for International Development (CIRAD), the India Council for Sustainable Development, and the China Council for International Cooperation on Environment and Development.

From 1997 to 2002, Dr Laurence Tubiana served as senior advisor to the Prime Minister, Lionel Jospin, on environmental issues and conducted a number of international negotiations on this subject. She was also member of the French Council of Economic Analysis and research director for the French National Institute for Agricultural Research (INRA). She has been a representative of the European NGOs at the World Bank and directed the French-based NGO Solagral.

Founder of the journal *Le Courrier de la Planète*, she published a number of articles and books on environment, development, and international issues. Since 2007, she has co-directed the publication of the annual review *Sustainable Development in Action – A Planet for Life*.

MR VENKATESH VALLURI

President, Ingersoll-Rand Ltd, India



Mr Venkatesh Valluri is the Chairman and President for Ingersoll Rand (IR), India. IR is a \$13.0-billion, globally diversified engineering company. Mr Valluri represents IR at various government and industry-led committees in the area of food security, cold chain, energy efficiency, and CSR initiatives. Before IR,

he was the President and Country Manager for Agilent Technologies, and prior to that held various global leadership roles at GE.

MS LAKSHMI VENKATACHALAM

Vice-President, Private Sector and Co-financing Operations, Asian Development Bank (ADB), The Philippines



Ms Lakshmi Venkatachalam oversees ADB's assistance to private sector projects with a clear development impact, but limited access to capital. She is also responsible for building and maintaining co-financing partnerships with various organizations and financial institutions. Under ADB's long-term

Strategy 2020 framework, ADB plans to scale up its support in these two areas. She assumed office in June 2010.

MR HARRY VERHAAR

Senior Director, Energy & Climate Change, Philips Lighting, The Netherlands



Mr Harry Verhaar has over 20 years of experience in the lighting industry, with his current roles being Senior Director Energy & Climate Change, and Head of Strategic Sustainability Initiatives at Philips Lighting.

He has in the past seven years been the architect of the lighting strategy on energy and climate change, which has resulted in a global momentum on phasing out of old lighting technologies for street-lighting, non-residential buildings, and homes. Furthermore, he is responsible for the off-grid lighting or Base of the Pyramid programme at Philips Lighting.

MR RACHMAT WITOELAR

Former State Minister for Environment and Chairman, National Council on Climate Change and President's Special Envoy for Climate Change, Indonesia



Prof (Hon) Rachmat Witoelar is currently the Indonesia President's Special Envoy for Climate Change and the Executive Chairperson of the Indonesia National Council on Climate Change. He was the President of COP 13/CMP 3 held in Bali, Indonesia in 2007. Prof Witoelar served as the Minister of Environment in 2004–2009. Prior to his post as the Indonesian Ambassador to Russia (1993–1997), he had a long tenure as a member of the Indonesian Parliament (1971–1993). He received a Medal of Highest Honour from the Turkmenistan government (1996), the Satya Lencana Penegak from The Indonesian Government (1970), and Bintang Mahaputra Adipradana from The Indonesian Government (2010). He received Honorary Professorship in Environmental Management from Griffith University, Australia on 20 March 2008.

DATO PROF IR DR MASHKURI YAACOB

Vice Chancellor, Universiti Tenaga Nasional
(UNITEN), Malaysia



Dato Prof Ir Dr Mashkuri Yaacob obtained his PhD degree in 1980 from the University of Manchester. He was appointed the Vice Chancellor of UNITEN in January 2007. Previously, he was the Deputy Vice Chancellor (Academic) of the University of Malaya (UM). He was the Chairman of the

Institution of Engineering and Technology (IET) (UK) Malaysia Branch and was also a council member of the IET in London from 2003 until 2005. He was the Founding Dean of the Computer Science and IT Faculty of UM. He initiated the publication of the *Malaysian Journal of Computer Science* in 1986, which has now received the Thomson ISI recognition. As Vice Chancellor, he has played a major role in the growth of the University, particularly in rebranding the University as a quality Private University in Malaysia. UNITEN won the coveted Prime Minister's Industry Quality Excellence Award in 2009, the International Asia Pacific Quality Award 2010 for Education, and the International Crown Quality Award 2010 for Education (in London).

HRH PRINCE MOSTAPHA ZAHER

Director General of the National Environmental Protection Agency of the Islamic Republic of Afghanistan



HRH Prince Mostapha Zaher is the grandson of Afghanistan's last king. He was the Chief of Staff to His Majesty Mohammed Zaher Shah The Former King of Afghanistan and the Coordinator of the Office of His Majesty Mohammed Zaher Shah. He represented His Majesty Mohammad Zaher Shah The Former King of Afghanistan as Member of delegations such as United States Congressional Hearing on Afghanistan (Washington DC) and US Senate Hearing on Afghanistan (Washington DC) as deputy head of delegations. He has held positions such as Ambassador Extraordinary and Plenipotentiary of the Islamic Republic of Afghanistan - Rome; Non – Resident Ambassador of the Islamic Republic of Afghanistan to the Hellenic Republic of Greece; Non – Resident Ambassador of the Islamic Republic of Afghanistan to the Republic of Cyprus; Non – Resident Special Presidential Envoy to the Balkans; Permanent Representative of the Islamic Republic of Afghanistan to the United Nations Food and Agricultural Organization – FAO; Member of the Board of Governors of United Nations World Food Program – WFP; and Member of the Board of Governors International Fund for Agricultural Development – IFAD. Prince Zaher was appointed by Presidential Decree as the Director – General of the National Environmental Protection Agency (Independent Charge) and has also been Member of the Council of Ministers as well as Advisor to the President on the Environment.



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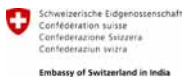


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MINISTRY OF ENVIRONMENT AND FORESTS, GOVERNMENT OF INDIA

The Ministry of Environment & Forests (MoEF) is the nodal agency in the administrative structure of the Central Government for the planning, promotion, co-ordination, and overseeing the implementation of India's environmental and forestry policies and programmes.

The primary concerns of the Ministry are implementation of policies and programmes relating to conservation of the country's natural resources, including its lakes and rivers, its biodiversity, forests and wildlife, ensuring the welfare of animals, and the prevention and abatement of pollution with broad objectives—(i) Conservation and survey of flora, fauna, forests, and wildlife; (ii) Prevention and control of pollution; (iii) Afforestation and regeneration of degraded areas; (iv) Protection of the environment; and (v) Ensuring the welfare of animals. These objectives are well supported by a set of legislative and regulatory measures, aimed at the preservation, conservation, and protection of the environment. Besides the legislative measures, the National Conservation Strategy and Policy Statement on Environment and Development, 1992; National Forest Policy, 1988; Policy Statement on Abatement of Pollution, 1992; and the National Environment Policy, 2006 also guide the Ministry's work.

While implementing these policies and programmes, the Ministry is guided by the principle of sustainable development and enhancement of human well-being. The Ministry is hosting the "Ministerial Dialogue on

Green Economy, Sustainable Development, and Poverty Eradication,” likely to be held in the first week of October 2011 in New Delhi to support the Rio +20 process.



NORWEGIAN EMBASSY

The Norwegian Embassy is delighted to be the Star Partner of DSDS 2011: "Tapping local initiatives and tackling global inertia". The Norwegian Embassy in New Delhi has been mandated by the Norwegian government to promote cooperation with India on environment and climate change at the government level, between institutions, and on a business-to-business level. Climate change is one of the greatest challenges of our time. The environment is a cross-cutting concern in all areas of the Embassy's activity. Norway is committed to strengthening, intensifying, and further developing a mutually beneficial cooperation with India through strategic use of its resources and expertise. By developing partnerships with India, between industry, research institutions, and government, Norway hopes to be part of supporting a successful low-carbon economic growth in India, consistent with its National Action Plan for Climate Change, and at the same time, help itself meet its ambitious national climate ambition of becoming carbon neutral by 2030.



The Ministry for Foreign Affairs of Finland remains a proud Premier Partner of DSDS 2011. The Summit and other cooperation with TERI provide a unique platform and an opportunity to contribute to global efforts to promote sustainable development. The theme of this year's Summit reminds us all of the fact that it is at the local level where the most appropriate solutions to the challenges of sustainable development stand to be found.

The Government of Finland is committed to fostering sustainable development along with stability and security in the international community. Promoting economically, socially, and ecologically sustainable and gender balanced development is at the core of Finland's development policy. In view of the preparations leading up to the Rio +20 Conference in 2012, it is all the more important to continue strengthening our common commitment to sustainable development.

Finland's reputation with high rankings in environmental protection and energy efficiency facilitated the creation of the Cleantech Finland brand. The brand unites the leading Finnish Cleantech companies that provide the best technologies and efficient business practices. We are proud to present Cleantech Finland at DSDS 2011 once again.



CLP Power India Private Limited, a wholly owned subsidiary of CLP Holdings Limited, is one of the largest foreign private power players in India, with a total committed investment of over INR 97 Billion. It has been successfully operating a 655-MW, gas-based power plant in Bharuch, Gujarat since 2002 and, is constructing a 1320-MW supercritical coal-fired power plant in Jhajjar, Haryana, which is due for commissioning in December 2011. With a diversified and environment-friendly generation portfolio, comprising renewable energy, supercritical coal, and gas fired generation, CLP has approximately 2461 MW equity in India.

Complementing CLP Group's commitment to developing 20% of its generating capacity from non-carbon-emitting energy sources by 2020, CLP India has a combined capacity of 485.6 MW of wind energy—making it the largest wind energy developer in India.

CLP Holdings Limited, listed on the Hong Kong Stock Exchange, has a total capacity of over 19 000 MW with assets across the Asia Pacific region.



MINISTRY OF NEW AND RENEWABLE ENERGY, GOVERNMENT OF INDIA

Ministry of New and Renewable Energy has been facilitating the implementation of broad-spectrum renewable energy programmes through an elaborate mechanism over the last three decades. The government has been supporting renewable energy development through an attractive mix of fiscal and financial incentives. These include capital/interest subsidy, accelerated depreciation, Generation Based Incentives or feed in tariff, nil/concessional excise as well as custom duties. Recently, the Jawaharlal Nehru National Solar Mission was launched with a target of 20 000-MW grid solar power, 2000 MW of off-grid capacity, including 20 million solar lighting systems and 20 million square meters solar thermal collector area by 2022. Further, keeping in view rapid urbanization, huge growth in construction, and high energy consumption of buildings, a National Rating System—GRIHA (Green Rating for Integrated Habitat Assessment)—has been developed, which is suitable for all types of buildings in different climatic zones of the country.

Approximately 42 lakhs family size biogas plants, 1.5 million solar photovoltaic systems, 3.8 million square meters of collector area of solar water heating systems, over 18 300-MW grid power, including 13 000 MW of wind farm projects, 2850 MW of small hydro projects (upto 25 MW of unit capacity), and biomass and bagasse cogeneration projects of over 2560-MW capacity had been installed in the country till 30 October 2010.



Schweizerische Eidgenossenschaft
Confédération suisse
Confederazione Svizzera
Confederaziun svizra

Embassy of Switzerland in India

Swiss Agency for Development and Cooperation (SDC) is Switzerland's international cooperation agency, within the Swiss Federal Department of Foreign Affairs. Development cooperation is an integral part of the Swiss foreign policy.

The goal of development cooperation is that of reducing poverty. It is meant to foster economic self reliance and state autonomy, to contribute to improvement of production conditions, to help in finding solutions to environmental problems, and to provide better access to education and basic healthcare services.

Global Cooperation, one of the key operational areas of SDC, is responsible for fostering programmes in the domain of climate change, food security, and migration and makes its contribution to tackling global challenges.

SDC has been active in India since 1963 with development cooperation programmes and humanitarian aid interventions designed to improve the living conditions of the poor and marginalized segments of the population and to contribute to sustainable development.

SDC's new programme in India, that is, Global Cooperation on Climate Change is based on common interests and shared investments between India and Switzerland in the area of climate change, that is, climate change adaptation, including food security, climate resilient development, energy efficiency, and renewables. SDC's programme in India is now an integral part of the Embassy of Switzerland in Delhi.



The Rockefeller Foundation fosters innovative solutions to many of the world's most pressing challenges, affirming its mission, since 1913, to “promote the well-being” of humanity. Today, the Foundation works to ensure that more people can tap into the benefits of globalization while strengthening resilience to its risks. Foundation initiatives include efforts to mobilize an agricultural revolution in Sub-Saharan Africa, bolster economic security for American workers, and inform equitable, sustainable transportation policies in the US, ensure access to affordable and high-quality health systems in developing countries, accelerate the impact investing industry's evolution, and develop strategies and services that help vulnerable communities cope with the impacts of climate change. The Foundation is also supporting the Smart Power for Environmentally-sound Economic Development (SPEED) initiative, an effort that aims to advance electrification and economic development in rural communities by promoting off-grid renewable energy solutions. For more information, please visit www.rockefellerfoundation.org.



Asian Development Bank's vision is an Asia and Pacific region free of poverty. Its mission is to help its developing member countries reduce poverty and improve the quality of life of their people. Despite the region's many successes, it remains home to two-thirds of the world's poor—1.8 billion people who live on less than \$2 a day, with 903 million struggling on less than \$1.25 a day. ADB is committed to reducing poverty through inclusive growth, environmentally sustainable growth, and regional integration.

Based in Manila, ADB is owned by 67 members, including 48 from the region. Its main instruments for helping its developing member countries are policy dialogue, loans, equity investments, guarantees, grants, and technical assistance.

ADB is responding to the challenges posed by climate change by promoting the mainstreaming of mitigation and adaptation considerations into development planning throughout Asia and the Pacific.



Australian Government
**Department of Climate Change
and Energy Efficiency**

The Australian Department of Climate Change and Energy Efficiency is the lead agency in the Australian Government's response to climate change and is an active and constructive participant in the international climate change negotiations. It supports the Australian Government's climate change response through policy and legislative design, development, implementation, and programme delivery in the following three areas.

- Mitigation – involving the development and implementation of domestic policies and measures to deliver Australia's greenhouse emissions reduction targets, and working in partnerships with governments, industry and the community, to deliver improved energy efficiency and greater use of renewable energy
- Adaptation – development of a whole-of-government policy framework for climate change adaptation and advancement of science-based research
- International engagement – helping to shape a global response to climate change



Telenor Group is an international provider of tele, data, and media communication services. Telenor Group has mobile operations in 11 markets in the Nordic region, Central and Eastern Europe, and in Asia, as well as a stake of close to 40% in VimpelCom Ltd, operating in 10 markets. Headquartered in Norway, Telenor Group is one of the world's major mobile operators with 195 million mobile subscriptions, revenues in 2009 of NOK 91 billion, and a workforce of approximately 34 000 employees.

In Asia, Telenor Group has close to 100 million subscribers, and operations in Bangladesh, India, Malaysia, Pakistan, and Thailand.

For more information about Telenor Group, please visit www.telenor.com



The Deutsche Gesellschaft für Internationale Zusammenarbeit (GIZ) GmbH is an international cooperation enterprise for sustainable development owned by the German government. It operates worldwide. It has addressed India's priorities of sustainable and inclusive growth for over 50 years. GTZ was renamed GIZ and merged with DED and InWEnt – Capacity Building International.



The Agence Française de Développement (AFD) is a public development finance institution that has worked for 70 years to fight poverty, support economic growth, and protect global public goods in developing and emerging countries and also in the French Overseas Communities. AFD executes the French government's development aid policies.

AFD has 66 offices worldwide. In 2009, AFD's financial commitments have increased by 39% to reach €5.15 billion in developing and emerging countries: Africa being the main beneficiary (40%), followed by the Mediterranean Basin countries (22%) and Asian countries (21%).

In emerging countries such as India, AFD mainly contributes to climate change mitigation by funding projects aiming at improving energy efficiency, energy conservation, and promoting renewable energies. In India, AFD is active since 2008. In 2009, AFD provided loans to two Indian public financial institutions for a total of €120 million, to refinance energy efficiency and renewable energy projects. In 2010, €127 million have been sanctioned for a forest and biodiversity project in Assam and the upgrading of the Jodhpur water supply scheme (Rajasthan).

Following the visit of President Sarkozy to India in December 2010, both countries commonly agreed that AFD's level of intervention is to increase significantly over the next few years.



renewable
energy
& energy
efficiency
partnership

The Renewable Energy & Energy Efficiency Partnership (REEEP) is a non-profit organization specialized in boosting the market conditions for clean energy in emerging markets and developing countries.

REEEP initiates and funds projects; local interventions designed to improve energy access by either assisting governments in creating stable regulatory and policy frameworks or by promoting innovative finance and business models to activate the private sector. The partnership's eighth call for project proposals will be launched in March 2011.

REEEP develops and supports policy-maker networks, with initiatives such as the Energy Efficiency Coalition (EEC), the Sustainable Energy Regulation Network (SERN), and Renewable Energy and International Law (REIL).

REEEP disseminates and replicates learnings through news items, publications, its website, and events. It also operates a search engine for the clean energy world (www.reeep.info).

The Partnership was established in 2002 and is now comprised of more than 300 partners, including 45 governments as well as a range of private companies and international organizations. REEEP activities are funded primarily by governments (Australia, Austria, Canada, the European Union, Germany, Ireland, Italy, Netherlands, New Zealand, Norway, Spain, the US, and the UK) and by contributions from the private sector.



The Natural Resources Defense Council (NRDC) is an international non-profit environmental organization with more than 1.3 million members and online activists. Since 1970, NRDC has been at the forefront of the environmental movement. We use law, science, economics, and a wide range of advocacy tools to protect the planet and to ensure a safe and healthy environment for all. NRDC works to solve the most pressing environmental issues we face today: curbing global warming, getting toxic chemicals out of the air, creating a clean energy future, reviving the world's oceans, saving wildlife and wild places, and working with partners in China and India to build sustainable, low-carbon economies.

In 2009, NRDC launched a new effort focused on India to advocate increased cooperation between the US and India on the shared challenge of climate change and clean energy. NRDC is working with Indian partners on strategic projects to encourage India's current efforts to move towards a green economy. We are advancing more energy efficient building construction, addressing adaptation needs resulting from the health impacts of climate change, and providing support to partners for strengthening environmental enforcement and compliance.

Today, our staff of nearly 400 lawyers, scientists, and policy experts work out of offices in New York, Washington DC, Chicago, Livingston, Los Angeles, San Francisco, and Beijing. Visit us at www.nrdc.org.



Wizcraft International Entertainment, India's leading media and Entertainment Company is dedicated to showcasing its expertise on the world stage. Having begun its operations in 1988, Wizcraft has conceptualized and produced events staged in Mauritius, UK, New York, Dubai, Singapore, Malaysia, Netherlands, South Africa, Iraq, Australia, Canada, Thailand and Sri Lanka among others.

Wizcraft's clientele comprise leading global corporates, governments of various countries, leading international entertainment and sports associations and celebrities. The company is focused on providing Global Event Management Solutions at the doorstep of its global clientele. Wizcraft is famed for the conceptualization of the coveted IIFA Weekend and Awards; the most respected South-Asian film Academy. IIFA since its inception in 2000 has pioneered the movement of Indian Cinema beyond Indian shores showcasing it on a global platform to enliven its vision of 'One People. One World.'

Wizcraft first adopted the green agenda in 2007 at the IIFA Weekend and Awards in Yorkshire which was witness to a carbon-neutral awards event and the world's first ever Green Carpet. In 2008, in an attempt to strengthen its commitment to battle climate change, Wizcraft and IIFA launched the Green Global Foundation. IIFA's commitment to sustainable development was further expressed lending its support the UNEP's *Billion Tree Campaign* which took off in January 2007. Post IIFA, Wizcraft International had the Unforgettable Tour turn green wherein the Stars and the producers of the show, pledged their unflinching support to TERI's '*Light a Billion Lives*' campaign, using its global platform to

create awareness about the campaign that helps light up villages in India and other underdeveloped regions world over, with solar lanterns. The NDTV Greenathon, produced and conceptualized by Wizcraft was a first of its kind 24 hour telethon in India which helped raise money for TERI's Lighting a Billion Lives campaign.

In the past two year IIFA has struck a partnership with Panasonic looking to enhance its green initiatives with the "I'm doing my bit" campaign once more enlisting star power to get the message to the masses. In 2009, the Green Globe Foundation and TERI had a special focus on India and promotes a core message of environmental preservation and the fight against Global Warming through celebrities and other media icons and instituted The Green Globes Foundation Awards presentation. The Awards were instituted to recognize the endeavours of individuals and organizations who have contributed immeasurably to the environment and the sustainable development movement. Now in its third year, the Green Globes Foundation Awards will honour the crusaders who have made an outstanding contribution towards the environmental development of our country.



THE TIMES OF INDIA

India has reflected significant leadership, both through initiation of domestic commitments as part of its National Action Plan and through its willingness to extend the Kyoto Protocol. The National Mission Action Plan on Climate Change has initiated institutional strengthening activities and increased activity at the local level to tackle problems arising due to climate change.

The Indian Network for Climate Change Assessment released a major new report that provides an assessment of impact of climate change in 2030s on four key sectors in four climate-sensitive regions of India.

The Earth Care Initiative from the Times Group is a reflection of its commitment to recognize, strengthen, and foster initiatives on mitigation and adaptation at organizational, community, and individual levels. The initiative involves various B2B and B2C platforms such as Awards, Quiz Programmes, Painting Competitions, Think-Turfs, Special Print Reports, and Magazines.

The JSW-Times of India Earth Care Awards is one such platform that started in 2008 as a small, but strong beginning in an effort towards creative mass awareness on the issue of climate change. One of the most encouraging aspects of the earlier editions (2008 & 2010) of the award was the response from diverse sectors of industries, NGOs, community based organizations, government institutes, showcasing their significant work on avoiding emissions and improving adaptation towards climate change. The 3rd edition is scheduled to take place on 9th September 2011 in New Delhi.

Various other national initiatives, such as Green Guru (Quiz competition), Green Artist (Painting competition), Eco Designer (Logo creation competition), and Earth

Editor (Essay writing competition) are scheduled to take place in 2011, involving children from various age-groups.

Hence, the objective is to create engagement platforms, which can initiate a movement among different segments of the society in their commitment towards saving our Mother Earth.

For more details, please logon to <http://www.gogreenindia.co.in>



The Financial Times, one of the world's leading business news organizations, is recognized internationally for its authority, integrity, and accuracy. Providing essential news, comment, data, and analysis for the global business community, the FT has a combined paid print and digital circulation of 597 015 (Deloitte assured, 2 October 2010 to 4 January 2011) and a combined print and online average daily readership of 1.9 million people worldwide (PwC assured, May 2010). FT.com has three million registered users and the FT has 206 892 paying digital subscribers. The newspaper, printed at 24 print sites across the globe, has a daily circulation of 390 121 (ABC figures December 2010).



New Delhi Television Limited (NDTV), founded in 1988, is India's first and largest private producer of news, current affairs and entertainment television. NDTV is home to the country's best and brightest reporters, anchors, camerapersons and producers; 23 offices and studios across the country host India's most modern and sophisticated production, newsgathering and archiving facilities. NDTV has an unmatched track record of launching the most successful news channels in India and abroad. Its flagship channel NDTV 24x7 is a clear leader in the English news segment. NDTV Profit, a 24-hour business plus channel, is India's leading business news channel, and NDTV India is amongst the country's most credible Hindi news channels. NDTV is credited with pioneering several broadcasting and programming initiatives in Indian television setting award winning benchmarks in reporting and production. NDTV has further extended its canvas by going local with the launch of city specific English news channel in Chennai, NDTV Hindu. NDTV today is the only Indian News brand present across five continents catering to the Indian diaspora. NDTV Networks Plc is the holding company for the group's entertainment, lifestyle, Internet and mobile operations. Recently, NDTV Group has entered into a strategic alliance for its lifestyle programming subsidiary, NDTV Lifestyle, with Scripps Networks Interactive, a developer of lifestyle-oriented content for television and Internet in the United States.



Google's mission is to organize the world's information and make it universally accessible and useful. Google seeks to raise awareness and commitment to global concerns through our products and services, which reach millions of people every day. Google Earth Outreach gives non-profits and public benefit organizations the knowledge and resources they need to visualize their cause and tell their story in Google Earth and Maps to the millions of people who use them. YouTube channels allow free and nearly instantaneous distribution of informative video content.

Google.org, the philanthropic arm of Google, uses the power of information to help people better their lives. Google.org develops and invests in tools and partnerships that can help bring shared knowledge to bear on the world's most pressing challenges in the areas of climate change, economic development, and global health. In India, Google.org has supported initiatives seeking to inform and empower Indian citizens, through furthering information access, developing accountability tools, developmental planning, studying urbanization, and aiding local governance bodies.

Special thanks to



ONGC – the most valuable ‘Maharatna’ of India

Oil and Natural Gas Corporation Ltd (ONGC), the most valuable ‘Maharatna’ PSU of India, is also the *Numero Uno* E&P company in the world as per the Platts Top 250 in 2010. It is the first and the only Indian company from India to figure in *Fortune’s* ‘World’s Most Admired Companies List’ in 2007. ONGC, the highest profit-making company in India (Rs 16 768 crore in 2009/10) is also the second highest in terms of market capitalization.

ONGC has scripted India’s hydrocarbon saga by discovering over 6.5 billion tonnes of in-place oil and gas. Today, ONGC has the largest reserve base, largest acreage holding, and is the largest producer of oil and gas in the country. It has recoverable reserves of over 1 billion tonnes of oil and gas, and produces more than 1 million barrels of oil and oil equivalent gas per day.

ONGC’s wholly-owned subsidiary ONGC Videsh Ltd (OVL) is the biggest Indian multinational, with 39 oil and gas projects in 15 countries. MRPL, another subsidiary of ONGC, is the most energy efficient PSU refinery in India.

ONGC is implementing value-multiplier petrochemical projects at Dahez and Mangalore through joint ventures. It is setting up a 726.6 MW power plant at Palatana in Tripura. ONGC has set up an Energy Center Trust for holistic R&D for alternate source of energy. It has also set up a 51-MW wind power farm in Gujarat and is going for another 100-MW wind farm soon.

As a responsible corporate citizen, ONGC is committed towards environment and is the first central PSU to have six of its Clean Development Mechanism (CDM) projects registered with the United Nations Framework Convention on Climate Change (UNFCCC).



World Sustainable
Development Forum

DSDS 2011



Delhi Sustainable Development Summit

*Tapping Local Initiatives and Tackling
Global Inertia*

3–5 February 2011

Hotel Taj Palace, New Delhi, India

EXHIBITORS



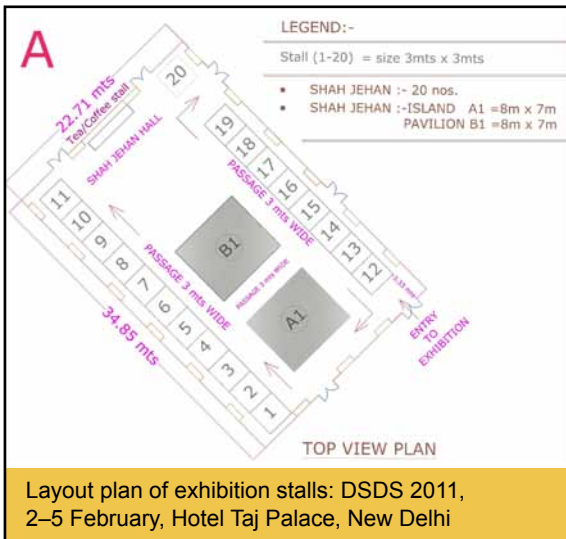
Exhibitors

INTERNATIONAL CLIMATE CHANGE EXHIBITION 2011

With its focus on the challenges, impacts, and existing initiatives for tackling the issues of climate change, The Energy and Resources Institute (TERI) organized, for the fourth consecutive year, 'The International Climate Change Exhibition (ICCE) 2011. About 30 major companies, international NGOs, and government agencies will display their technologies to showcase their climate change developmental projects to an international market and provide momentum to the solution-finding process.

Held on the sidelines of TERI's annual flagship event the Delhi Sustainable Development Summit (DSDS 2011), the main focus of the Climate Change Exhibition is to offer a platform to showcase cutting edge climate change adaptation and mitigation techniques and technologies.

Projects and technologies that assist in the collective effort to combat climate change are more relevant now than ever. TERI, through the exhibition, wants to create awareness among the general public on ways to mitigate adverse impacts of climate change caused due to anthropogenic activities. We know that solutions are urgently required, and that the world's sustained attention and focus must be applied to find them. At the same time, more examples of successful local initiatives to address these problems are popping up daily, all over the world. The exhibition demonstrates new technologies, products, and services aimed at mitigating greenhouse gas emissions. The exhibition showcases examples of successful transfer of technologies for greenhouse gas reductions and builds capacity and knowledge on climate change among different stakeholders.



Layout plan of exhibition stalls: DSDS 2011,
2–5 February, Hotel Taj Palace, New Delhi

STALL DETAILS

Stall Number	Exhibitors	
1	Global Green Energy Sustainability Solutions Pvt. Ltd	
2	Solid Solar	
3	GIZ	
4	Ministry of Environment and Forests	
5	ADB	
6–8	Ministry of New and Renewable Energy	
9–11	TERI • TERI Technologies • TERI University • TERI Press	
12–13	Norwegian Embassy	
14	Uninor	
15	Heller School	
16	Macmillan Publishers India Ltd.	
17	Tra International	
18	Horn of Africa Regional Environment Centre and Network and The Ethiopian Civil Society Network on Climate Change (ECSNCC – FfE)	
19	Poland	

Stall Number	Exhibitors	
A1	Cleantech Finland Pavilion	
	Metso	
	Picosun	
	Kemira	
	The Switch	
	Ruukki	
B1	Italian Pavilion 	
	Archimede Solar Energy	
	Ariston Thermo SpA	
	FAAM SpA	
	Favero & Milan Ingegneria SpA	
	GranitiFiandre SpA	
	Infrastrutture SpA	
	Kyklos Srl	
	Mario Cucinella Architects Srl	
	Turbec SpA	



GLOBAL GREEN ENERGY SUSTAINABILITY SOLUTIONS PVT. LTD

Global Green Energy & Sustainability Solutions (GGESS) is the Indian arm of Global Engineering Systems FZC. GGESS, operating in 14 countries and headquartered in Pune, offers wastewater management and energy optimization solutions with renewable energy for industrialists, builders, developers, municipal corporations, consultants, contractors, architects, and so on.

GGESS has its full-fledged offices in Pune, Mumbai, Chennai, Dubai, Sharjah, Abu Dhabi, Djibouti, and USA. As a total environment solutions provider, we offer engineering services ranging from solar systems, wind turbines, biogas, solid waste management, sewage and grey water treatment, and effluent treatment .We are the sole licensee in the Middle East and India for patented Kaldnes MBBR (Moving Bed Bio-film Reactor) technology, invented in Norway to treat sewage and industrial effluent waste and have successfully installed more than 400 projects in 14 countries.



by Gautam Polymers

SOLID SOLAR BY GAUTAM POLYMERS GROUP

Gautam Polymers was established in the year 1993, and is now **ranked among Top 10 solar players in India**. They are India's largest solar lights manufacturer, with products being used by majority of OEMs and retailing it under their own brand name—Solid Solar. They have also launched solar power plants in their portfolio with the prestigious work of solar electrification of the Jantar Mantar and the Safdarjung Tomb.

They have the largest range of solar CFL and LED lights in India. All the solar lights are 100% indigenously designed and manufactured in India.

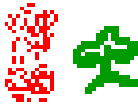


GIZ

Deutsche Gesellschaft für Technische Zusammenarbeit (GTZ) GmbH (German Technical Cooperation) changed its name to The Deutsche Gesellschaft für Internationale Zusammenarbeit (GIZ) GmbH on 1 January 2011. It also merged with, among others, InWEnt - Capacity Building International, Germany. It is owned by the German government and works in the field of international cooperation for sustainable development. GIZ is also engaged in international education work around the globe and currently operates in more than 130 countries worldwide.

Germany has been cooperating with India by providing expertise through the organizations now forming GIZ for more than 50 years. To address India's priority of sustainable and inclusive growth, GIZ's joint efforts with the partners in India currently focus on the following areas:

- Energy, renewable energy, and energy efficiency
- Sustainable urban and industrial development
- Natural resource management
- Private sector development
- Social protection
- Financial systems development
- HIV/AIDS and blood safety



MINISTRY OF ENVIRONMENT AND FORESTS, GOVERNMENT OF INDIA

The primary mandate of the Ministry of Environment and Forests is formulation and implementation of policies and programmes relating to conservation of country's environmental resources including lakes and rivers, its bio-diversity, forests and wildlife, ensuring the welfare of animals and prevention and abatement of soil, air and water pollution, climate change issues. The Ministry is guided by the principle of sustainable development centered around enhancement of human well being. It also serves as the nodal agency for international environmental agreements, treaties and conventions. The visitors will benefit from knowledge, ideas, friendly actions, and materials which will lead to make our environment and earth a better place.



ASIAN DEVELOPMENT BANK

Asian Development Bank's vision is an Asia and Pacific region free of poverty. Its mission is to help its developing member countries reduce poverty and improve the quality of life of their people. Despite the region's many successes, it remains home to two-thirds of the world's poor—1.8 billion people who live on less than \$2 a day, with 903 million struggling on less than \$1.25 a day. ADB is committed to reducing poverty through inclusive growth, environmentally sustainable growth, and regional integration.

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MINISTRY OF NEW AND RENEWABLE ENERGY, GOVERNMENT OF INDIA

Ministry of New and Renewable Energy has been facilitating the implementation of broad-spectrum renewable energy programmes through an elaborate mechanism over the last three decades. The government has been supporting renewable energy development through an attractive mix of fiscal and financial incentives. These include capital/interest subsidy, accelerated depreciation, Generation Based Incentives or feed in tariff, nil/concessional excise as well as custom duties. Recently, the Jawaharlal Nehru National Solar Mission was launched with a target of 20 000-MW grid solar power, 2000 MW of off-grid capacity, including 20 million solar lighting systems and 20 million square meters solar thermal collector area by 2022. Further, keeping in view rapid urbanization, huge growth in construction, and high energy consumption of buildings, a National Rating System—GRIHA (Green Rating for Integrated Habitat Assessment)—has been developed, which is suitable for all types of buildings in different climatic zones of the country.

Approximately 42 lakhs family size biogas plants, 1.5 million solar photovoltaic systems, 3.8 million square meters of collector area of solar water heating systems, over 18 300-MW grid power, including 13 000 MW of wind farm projects, 2850 MW of small hydro projects (upto 25 MW of unit capacity), and biomass and bagasse cogeneration projects of over 2560-MW capacity had been installed in the country till 30 October 2010.



THE ENERGY AND RESOURCES INSTITUTE

TERI Technologies

TERI has developed a range of technologies in different disciplines and areas of scientific endeavour. From sophisticated research in microbial biotechnology for remediation of oil spills, to the effective use of mechanical and chemical engineering techniques in developing biomass gasifiers for various applications, or customization of photovoltaic technology for applications that suits the needs of the poorest of the poor. TERI has developed a bank of technologies that carry immense potential to reduce the ecological footprint of development on the country's natural wealth, while also generating opportunities for the underprivileged. The talent of diverse groups in TERI has been instrumental in creating workable and viable solutions that are, most importantly, sustainable.

TERI Press

TERI Press, the publishing arm of The Energy and Resources Institute (TERI), offers a range of publications and services in the areas of energy, environment, and sustainable development. Over the years, the Press has metamorphosed into a world class publisher of books, journals, and magazines, ranging from higher education and reference to popular and general interest books, as well as books for children.



NORWEGIAN EMBASSY

NORWEGIAN EMBASSY

The Norwegian Embassy is delighted to be Star Partner of DSDS 2011. Building partnerships between India and Norway on environment and climate change is high on the agenda of the Norwegian government. Together with Norwegian institutions Bioforsk (Norwegian Institute for Agricultural and Environmental Research) and Norwegian Institute for Nature Research (NINA) and their Indian partners, we showcase a number of Indo-Norwegian research projects.



UNINOR

Uninor is owned by the world's 6th largest mobile services provider Telenor Group based in Norway and India's second largest diversified real estate major Unitech Ltd. The company holds a pan-India UAS license to offer mobile telephony services in each of India's 22 circles. It has also received spectrum to roll out these services in 21 of the 22 circles.



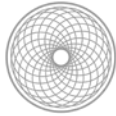
THE HELLER SCHOOL, BRANDEIS UNIVERSITY

The Heller School, Brandeis University Graduate Programs in Sustainable International Development form a community of concerned students and faculty, drawn from around the world. Our mission is to help build a new generation of development planners and policy-makers in the US and abroad for whom a global society free of poverty, preventable disease, and environmental degradation is achievable.



MACMILLAN PUBLISHERS INDIA LTD

Convenient Action written by Shri Narendra Modi and published by Macmillan Publishers India Ltd gives a detailed account of Gujarat's Response to Climate Change. This is an indispensable text for students, researchers, policy-makers, and general readers. Steve Howard, CEO, The Climate Group, calls it a **Green Autobiography**. Modi is the second politician in the world to write a book on climate change. Visit www.macmillanpublishersindia.com.



TRA INTERNATIONAL

TRA International is a ISO 9001:2008 certified consulting firm focused on the fast growing solar power sector. Recognized as the industry's elite team, TRA's advisory and training services provide cutting-edge solar intelligence and analysis to some of the most highly regarded companies in India. Headquartered in New Delhi, TRA has offices across India. Its international offices are in the US, UAE, and Ukraine. International partnerships include HDI (Canada), Morgan Construction Company (USA), AMD Inc (USA), Sahara Computers (South Africa), and Iris Corp (Malaysia).



HORN OF AFRICA REGIONAL ENVIRONMENT CENTRE AND NETWORK

The Horn of Africa Regional Environment Centre and Network, with now more than 50 member organizations, is an initiative of the Addis Ababa University and focuses on environmental concerns and sustainable development options within the Horn of Africa—Sudan, Somalia, Kenya, Ethiopia, Eritrea, and Djibouti. The initiatives of member organizations are linked with various partners, including international organizations and governmental bodies, to enhance environmental governance and management, contribute to sustainable development and improve livelihoods within the region.



*If we take care of the Earth,
the Earth will take care of us.*

THE ETHIOPIAN CIVIL SOCIETY NETWORK ON CLIMATE CHANGE (ECSNCC - FFE)

The Ethiopian Civil Society Network on Climate Change (ECSNCC), which is hosted by the Forum for Environment (FfE), is a network of about 60 CSOs working together with the objectives of raising awareness on climate change, building capacity, sharing experiences, and documenting information on climate change and carrying out action-oriented research.



POLAND

The objectives of participating in DSDS 2011 are:

- To promote Poland and Polish economy in the Republic of India, by providing assistance and advice to Polish exporters seeking new outlet possibilities.
- To assist Polish and Indian companies in establishing mutual contacts & supply the necessary information.
- Organize seminars with a view to promoting branches, regions, and investment possibilities in Poland.
- To co-operate with various Indian Chambers of Commerce in the organizations of seminars and trade missions.



METSO

A step towards environmental excellence

Metso is committed to serving Indian customers with leading technology and know-how. To serve our customers, we are continuously engineering our technologies to suit local requirements. Also, we constantly develop our technologies to meet the growing concerns regarding emissions, as well as energy and water consumption.

Since 1992, Metso has served the Indian pulp and paper, mining, construction, and civil engineering industries and power industries through a local network of sales and service outlets employing more than 800 professionals.

Metso is a global supplier of sustainable technology and services for the mining, construction, energy, recycling, and pulp and paper industries.

www.metso.com



PICOSUN

Enabling a clean world at atomic level

Picosun is a global developer and manufacturer of atomic layer deposition (ALD) reactors for micro- and nanotechnology applications. Picosun's pioneering ALD technology, invented by a Finnish scientist Dr Tuomo Suntola in the seventies, enables manufacturing of environmentally sustainable products.

The main advantage of Picosun's products is the ability to produce extremely uniform, conformal, and pinhole-free, high-quality thin films at atomic layer precision even on complicated 3D nanostructures with high repeatability and low cost of ownership. Picosun's ALD technology enhances solar cells' energy conversion efficiency, increases the electricity storage capacity of high performance batteries, decreases displays' electricity consumption, and improves the performance of fuel cells that are used in the production of zero-emission cars. Furthermore, Picosun's ALD processes have potential in numerous other clean technology areas, such as creating new recyclable packaging materials, filtering hydrogen and passivating storage tanks, and preventing bacteria growth in novel water purification equipment.

Picosun's easy-to-use ALD tools bridge the gap between R&D and production, paving the way for a whole generation of new manufacturable green applications.

www.picosun.com



kemira

KEMIRA

Water is the connection

Kemira is a global two billion euro chemicals company that is focused on serving customers in water intensive industries. The company offers water quality and quantity management that improves customers' energy, water, and raw material efficiency. Kemira's vision is to be a leading water chemistry company. Customers can increasingly benefit from Kemira's broad water-related expertise. All of Kemira's operations are centered on the customer, and the profound understanding of their water treatment needs. Kemira operates in 40 countries and has over 5000 employees. Kemira's business is organized into three customer-based segments.

Paper offers chemical products and integrated systems for the pulp and paper industry.

Municipal & Industrial serves customers engaged in municipal and industrial water treatment.

Oil & Mining offers a large selection of ground-breaking chemical extraction and process solutions for the oil and mining industries, where water plays a central role.

Energy and the environment go hand in hand

Clearly, the most important job of your wastewater treatment plant is to purify the water before release to the recipient. However, the potential for bio-energy production is also rapidly becoming a key consideration for wastewater treatment plant operators. What is today primarily considered to be a wastewater treatment plant could tomorrow very possibly also be seen as an important source of biofuel.

www.kemira.com

www.waterfootprintkemira.com



THE SWITCH

The Switch is a leading supplier of megawatt-class permanent magnet generator and full-power converter packages for wind power and other New Energy applications. Our solutions help combat climate change and conserve energy resources.

www.theswitch.com



RUUKKI

More efficient with metals

Ruukki is a construction and engineering solutions expert with a strong know-how in special steels and operations in around 30 countries. With an extensive range of products, solutions, and services, Ruukki can provide customers with lighter structures to help cut energy costs and produce energy more efficiently.

Ruukki's construction solutions help to reduce energy consumption and carbon emissions during a building's lifecycle. Ruukki's light, recyclable structures mean short construction times.

Customers can benefit from Ruukki's high-strength and wear-resistant special steel products to improve their end-products by prolonging their useful life or increasing their structural load-bearing capacity. In heavy transport applications, use of special steel products can reduce weight and noticeably cut fuel costs and carbon dioxide emissions.

Ruukki's new wind turbine tower solution enables higher, more efficient towers that can also utilize inland wind conditions.

www.ruukki.com

ITALIAN PAVILION



The Italian delegation to DSDS 2011 is led by HE Ms Stefania Prestigiacomio, Minister of Environment, Land, and Sea, Italy and Ambassador Giacomo Sanfelice di Monteforte, current Ambassador of Italy to India. The delegation comprises representatives from the Embassy of Italy, New Delhi, Italian Trade Commission, the Italian Ministry of Environment, Land, and Sea, the Ev-K2-CNR Committee as well as Italian companies working in the field of energy, renewable energies, sustainable engineering and infrastructure, construction, and automotive engineering.



ITALIAN TRADE COMMISSION (ICE)

The Italian Trade Commission (ICE) is the government agency, which promotes, facilitates, and develops trade between Italy and the rest of the world. ICE helps Italian companies to grow in foreign markets and promotes inward-outward investments. ICE also carries out an intense training activity for Italian and foreign managers operating in international markets to promote the brand “Made in Italy”. Located in Rome, the Head Office operates in close connection with a worldwide network of 116 offices in 88 countries and 17 regional offices in Italy. Log on to www.italtrade.com, the Made in Italy Official online portal.

ITALIAN COMPANIES



Archimede Solar Energy

Archimede Solar Energy (ASE) is a subsidiary of the Italian Industrial Group Angelantoni S.p.A. and participated by Siemens AG. The company is headquartered in the Italian town of Massa Martana (PG). ASE is the sole worldwide producer of a receiver tube commercially available for thermodynamic solar power plants (CSP) with parabolic trough technology, using nitrate of sodium and potassium (molten salts) as heat transfer fluid.



Ariston Thermo SpA

Ariston Thermo Group is the world's leading company in heating and hot water heating. Ariston Thermo's commitment to energy efficiency is expressed through its constant stream of new solutions based on renewable energy sources, such as solar thermal systems and electric heat pumps, improvement of the efficiency of traditional products (such as boilers and water heaters) and investment in new projects for the future, including micro-cogeneration systems and gas heat pumps. The underlying objective is to offer an optimal combination of comfort, energy saving, and care for the environment.



FAAM SpA

FAAM Group, battery producer from 1974, with over thirty years' experience in the production of energy storage systems and environmentally-friendly vehicles, has been working on the "Innovation in Energy" project for some time now. The objective of this undertaking has been the development of integrative/alternative solutions for saving energy with respect to the environment. Since 2004, FAAM has been developing Motive Power Lithium batteries and has especially created Battery Management Systems (BMS)—AutoSar Compliant and Charger Systems that together ensures battery reliability with best performance and high safety standards, in order to aim for maximized life cycles.



Favero & Milan Ingegneria SpA

For more than thirty years, Favero e Milan Ingegneria Spa has been designing and supervising civil, tourist, commercial, industrial, and infrastructural works. This experience qualifies the company to undertake, either in Italy or abroad, consultancy services in several fields: project management; cost analysis; feasibility studies; analysis of technical, economic, and environmental compatibility; concept, schematic, preliminary, detailed design of new realizations and restorations; testing; following up and delivery to the customer; site and facility management; specialist consulting; installation and set-up and maintenance management.



GranitiFiandre SpA

GranitiFiandre is the Italian company leader in the production of top-of-the-range full body porcelain slabs for prestigious architectural solutions, recreates natural materials enriched with excellent technical and performance characteristics. Through constant research and cutting-edge facilities, the production cycle is completely safe and environmentally friendly and uses widely available natural resources. The impressive innovation represented by Active Clean Air & Antibacterial Ceramic™ slabs is a further step in the evolution of ceramic technology, an ethical development that joins valuable aesthetics with respect for the environment. Active materials, thanks to their anti-pollution and anti-bacterial properties, make an active contribution to creating a better and a cleaner environment, and combining strength, beauty, and hygiene, help to reduce the environmental impact and air pollution.



ICMQ SpA

Institute of Certification and Quality Mark (ICMQ) SpA, is a leading Italian (Management system and product) certification and inspection body operating since 1998 with a clear mission of promoting quality, durability, and sustainability in the realms of building products and construction. The Company, headquartered in Milan (Italy) provides services solely in the field of construction. The shareholders' list includes all members of the Italian Association of Manufacturers and Industries involved in the construction field, four Italian Ministries (Economic Development, Infrastructure, Environment, Labour), and big users (Italian Railways and Italian Energy Board).



Infrastrutture SpA

Infrastrutture SpA has one of the most significant track records in project and technology development in the Italian renewable energy market. The group is both, in Italy and abroad, a leading promoter of development and industrialization of power plants dedicated to energy production from renewable sources, as well as of innovative technology and financial solutions aimed at enhancing the environmental efficiency of conventional power plants. The group holds a project portfolio of over 800 MWe under development.

Kyklos Srl

Kyklos Srl was born in 1996 at the initiative of local agricultural entrepreneurs who established and managed a plant producing fertilizers from bio-waste. Kyklos works in the composting branch, therefore, dealing with processes, through which bio-waste is submitted to a controlled fermentation in order to obtain an agricultural fertilizer. The plant actually consists of a pre-treatment section, an accelerated bio-oxidation section (obtained by bio-cells and insufflation area), and a final maturation section.

Kyklos is involved in an European Life Plus project, submitted to European Commission, in order to study the optimization of compost use in agriculture. Recently, Kyklos was contacted in order to supply his product, the so-called "compost", in India and in other countries, and is very interested to develop these export business opportunities.

mario cucinella architects

MCA

Mario Cucinella Architects Srl

Mario Cucinella Architects Srl design and construct architectural and industrial design projects that, through research, use of innovative technologies, and professional skill, embody an ideal of architectural quality integrating environmental sustainability, ethics, and a positive social impact. MCA has an integrated approach to design work based on close collaboration with multi-disciplinary consultants, to create an innovative and appropriate design response for every project and client requirement. MCA develops projects at different scales, from building design to product design and from environmental and technological research to large-scale urban projects.

Sustainable building design and the rational use of energy is one of the central concerns in MCA's work and research. The environmental quality of designs is analysed and developed using specialized software and model testing, in order to produce buildings of architectural quality with state-of-the-art energy performance.



Turbec SpA

Turbec SpA develops, produces, and sells micro Turbines for power and heat generation in cogeneration (CCHP) systems. The T100 S3 micro Turbine is the final result of a long journey of research and development started at the end of the 1980s by Volvo Aero and ABB. Today, with the latest version—the Series 3—Turbec offers a high tech, reliable, and performing product. Turbec's mission is to create efficiency in the power production process

through distributed generation and with low maintenance costs and the maximum respect for the environment. The extreme versatility of the micro Turbine permits the use of different kinds of fuels. This lends Turbec an advantageous position in the renewable energy field.



World Sustainable
Development Forum

DSDS 2011



Delhi Sustainable Development Summit

*Tapping Local Initiatives and Tackling
Global Inertia*

3–5 February 2011

Hotel Taj Palace, New Delhi, India

IMPORTANT INFORMATION



IMPORTANT INFORMATION

1. Weather

The weather in Delhi is very comfortable during January–February. It is the best time to travel in north India. Day temperatures range from 10–15 °C. Nights are cooler, with the mercury dipping to 4–7 °C. Generally, it does not rain during this season, though unexpected brief showers cannot be ruled out.

2. Transport from airport

Prepaid taxi service facility is available at the airport. Approximate distance from various places to the conference venue (Hotel Taj Palace) is as follows.

IG International Airport	15 km
Domestic Airport	12 km
New Delhi railway station	12 km
(Old) Delhi railway station	16 km
Nizamuddin railway station	10 km

3. Travel assistance

There will be a travel counter at the conference venue to assist the participants in reconfirming their seats and to provide any travel-related assistance including sightseeing.

4. Currency

India's currency unit is the rupee (Re), divided into 100 paise (p). There will be a counter at the conference venue to help delegates convert foreign exchange into rupees or vice-versa.

5. Voltage

The voltage in Delhi is 220 VAC 50 Hz.

6. Local sightseeing/general Information about Delhi

The very heart of the world's largest democracy, New Delhi is the nerve centre of Indian polity, culture, and

business. You can discover Delhi on your own but if short of time, take one of the conducted tours, which will give you a good general view of the capital. Listed below are some common places of tourist interest in Delhi.

▪ Parliament House ▪ Rashtrapati Bhawan (President's Estate) ▪ Jantar Mantar ▪ Red Fort ▪ India Gate ▪ Humayun's Tomb ▪ Safdarjung Tomb ▪ Purana Qila ▪ Qutab Minar ▪ Lotus Temple

7. Conference venue

Hotel Taj Palace, Sardar Patel Marg,
New Delhi – 110 021, Tel. +91 11 2611 0202

8. Assistance during DSDS 2011

Responsibility	Name	Mobile Number
Registration	Nisha Sunil	9810149770
Exhibition	Shriya Ramachandran	9971900682
Sponsors	Madhu Madhavi	9811323438
Agenda	Shriya Ramachandran	9971900682
Media	Rajiv Chhibber and Lalima Bose	9810426698 9810161449
Transport	K S Vasani	9811392254
Travel Desk	Anil G	9871433553
Accommodation	Sonali Mathur I I Jose	9899899605 9868146530
Arrangements	Sonal Bajaj	9810507665

For overall logistic arrangements and general information about Delhi, please contact

Mr Sudheer Katoch
Support Services and Protocol
Tel. 9811099255
E-mail sudheerk@teri.res.in

VENUE MAP





World Sustainable
Development Forum

DSDS 2011



Notes

Delhi Sustainable Development Summit

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