

# 12<sup>TH</sup> DELHI SUSTAINABLE DEVELOPMENT SUMMIT

Protecting the global commons: 20 years post Rio

Summit Bulletin

Saturday, 4 February 2012

## Special Session on Biodiversity

**Moderator** Dr Ashok Khosla, President, International Union for Conservation of Nature (IUCN), Switzerland  
**Setting the Theme** Mr M F Farooqui, Additional Secretary, Ministry of Environment and Forests, Government of India

**Keynote Address** Ms Jayanthi Natarajan, Hon'ble Minister of State (I/C), Ministry of Environment and Forests, Government of India

**Speakers** Dr P P Bhojvaid, Chief Conservator of Forests, Government of Haryana, India  
■ Prof. Timothy Gregoire, J P Weyerhaeuser Jr Professor of Forest Management, School of Forestry & Environmental Studies, Yale University, USA ■ Dr Abdul Rahim Nik, Deputy Secretary General, Ministry of Natural Resources and Environment, Malaysia ■ Prof. Paavo Pelkonen, University of Eastern Finland, Finland ■ Prof. Kazuhiko Takeuchi, Vice-Rector, The United Nations University & Director of Institute for Sustainability and Peace, Japan



Dr R K Pachauri introduced the panel and emphasized that increase in global temperature would endanger biodiversity. The session was chaired and moderated by Dr Ashok Khosla who emphasized that the present level of degradation of natural resources is beyond the

regenerative capacity of the earth. Setting the theme for the session, Mr M F Farooqui stated that biodiversity and issues of global commons were closely interlinked. Ms Jayanti Natarajan, in her keynote address, stressed on the fact that interlinking the interest of global commons and

economics is required in the day-to-day lives of common persons. She also emphasized that the global regime for protecting biodiversity should be rooted in the principle of the Rio Declaration. Prof. Kazuhiko Takeuchi focused on the Satoyama Initiative, which focuses on issues, such as resilience of society equipped with traditional knowledge and the need for a new business model for sustainable exploitation of resources.

Dr Abdul Rahim Nik emphasized challenges, such as inventory of biodiversity and proper law enforcement in managing biodiversity in Malaysia. Dr P P Bhojvaid stated that forests are responsible for creation and sustenance of soil, water, and all flora and fauna, and the interaction of all these externalities are important in protecting forest resources. Prof. Timothy Gregoire stated that innovations like standardization in measurement procedures is needed for the conservation of biodiversity. Prof. Paavo Pelkonen stressed that

sustainable forest management is the need of the hour along with the promotion of the concept of bio-economy. ■

### As they said it



Nature protects if she is protected.

**Ms Jayanthi Natarajan**  
Hon'ble Minister of State (I/C), Ministry of Environment and Forests, Government of India



Tropical diversity is traded in the international market at the rate, which is less than its replacement cost.

**Dr P P Bhojvaid**  
Chief Conservator of Forests, Government of Haryana, India



Mr M F Farooqui



Ms Jayanthi Natarajan



Dr P P Bhojvaid



Prof. Timothy Gregoire



Dr Abdul Rahim Nik



Prof. Paavo Pelkonen



Prof. Kazuhiko Takeuchi

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# Corporate Dialogue on Global Commons

**Moderator** Prof Jeffrey A Sonnenfeld, Senior Associate Dean for Executive Programs & Lester Crown Professor in the Practice of Management, Yale School of Management, Yale University, USA  
**Speakers** Dr Bhaskar Chatterjee, Director General & CEO, Indian Institute of Corporate Affairs, India  
 ■ Mr Sai Ramakrishna Karuturi, Founder & Managing Director, Karuturi Global Limited, India  
 ■ Mr Mahesh Makhija, Director - Renewables Business Development, CLP Power India Private Limited, India ■ Mr Pasi Rousu, Partner and Co-founder, President, Chempolis Asia & Pacific, Finland  
 ■ Mr Björn Stigson, Former President, World Business Council for Sustainable Development, Switzerland ■ Ms Hilde M Tonne, Executive Vice President and Head of Group Industrial Development, Telenor, Norway ■ Mr Venkatesh Valluri, Chairman, Ingersoll-Rand (India) Limited, India



Mr Pasi Rousu



Mr Björn Stigson



Ms Hilde M Tonne



Mr Venkatesh Valluri



Prof Jeffrey A Sonnenfeld

Prof. Jeffrey A Sonnenfeld started the session by explaining the notion of corporate social responsibility (CSR). Mr Sai Ramakrishna Karuturi talked about his company's

initiatives in developing the land and food production of Ethiopia by investing in rainwater harvesting and supporting organic mode of farming. Mr Mahesh Makhija



Dr Bhaskar Chatterjee



Mr Sai Ramakrishna Karuturi



Mr Mahesh Makhija

pointed out that they entered the renewable energy space in 2001 not just because of environmental consciousness, but because it is also a lucrative business opportunity. Mr Stigson emphasized on the partnership between businesses and society for addressing today's sustainability challenges. Mr Pasi Rousu discussed his company's initiatives in finding new ways of addressing sustainability by using byproducts of bio-refining in India and China. Ms Hilde Tonne called for exercising CSR as a win-win approach. She underscored the role of (1) developing technology by opening up new business avenues and focusing on energy efficiency; (2) adopting a project-based approach towards CSR; and (3) cleaning up the supply chain by eradicating child labour and exercising zero tolerance to corruption. Mr Venkatesh Valluri delineated

the role of converging business, technology, and society as an emerging strategy to stay in business. Dr Bhaskar Chatterjee focused on the Indian government's two important CSR policies: (1) Reporting all CSR activities should be mandatory and (2) large business corporations are expected to put at least 2% of their profit after tax into CSR activities. ■

## As they said it



We should try to integrate business opportunities while addressing global commons.

**Mr Björn Stigson**

Former President, World Business Council for Sustainable Development, Switzerland

# Ministerial Session I Sustainable Management of Global Commons in South Asia

**Moderator** Dr Kandeh K Yumkella, Director General, United Nations Industrial Development Organization (UNIDO), Austria  
**Moderator** HE Lyonpo Dr Pema Gyamtsho, Minister of Agriculture and Forests, Ministry of Agriculture and Forests, Bhutan ■ HE Mr Mohamed Aslam, Minister of Housing and Environment, Maldives  
 ■ HE U Win Tun, Union Minister, Ministry of Environmental Conservation and Forestry, Myanmar  
 ■ Mr Hemraj Tater, Hon'ble Minister for Environment, Nepal ■ Mr Malik Amin Aslam, Former Minister of State (Environment), Senior Climate Policy Advisor to UNDP in Pakistan and Senior Member of Climate Core Advisory Group to Government of Pakistan



HE Lyonpo Dr Pema Gyamtsho



HE Mr Mohamed Aslam



HE U Win Tun



Mr Hemraj Tater



Dr Kandeh K Yumkella

Starting the session, Dr Kandeh KYumkella emphasized that for Asia to account for 50% of the global GDP by 2050, sustainable management of global commons will be crucial. Mr Malik Amin Aslam said that despite being one of the lowest greenhouse gas emitters, Pakistan is highly vulnerable to climate change and that the country's cost of adaptation could be 3%–5% of the GDP.

HE Dr Pema Gyamtsho mentioned about the importance of common properties of natural resources across territorial boundaries. He said that the region should not wait for global agreements and should take action towards minimizing the impacts of climate change.

Pointing at the enormous diversity of the region, HE Mr Mohamed Aslam said that there are

several common problems related to resource management. He added that countries like Maldives are at the front line of bearing the impacts of climate change and that there is a moral duty of the global community to protect them. He further said that since faith plays an important role in the region, religious scholars should be involved in the process.

speakers highlighted that although countries in South Asia have to formulate domestic action plans to address climate change, there is a need for regional cooperation in research and development and data sharing. The potential for South–South cooperation needs to be harnessed. ■

## As they said it



Regional cooperation is not a luxury, but an imperative.

**Mr Malik Amin Aslam**

Former Minister of State (Environment), Senior Climate Policy Advisor to UNDP in Pakistan and Senior Member of Climate Core Advisory Group to Government of Pakistan



Sustainable development is important for the economic development of Myanmar.

**HE U Win Tun**

Union Minister, Ministry of Environmental Conservation and Forestry, Myanmar

HE Mr U Win Tun highlighted the challenges faced by the region in addressing environmental problems and stressed the role of technology and capacity building for resolving these issues.

Mr Hemraj Tater underlined that poor people are the worst affected by climate change and that a green economy can provide an important paradigm for resource management. In this session, the



# Global Commons and Challenges in Africa

**Moderator** Mr Abdoulie Janneh, Under Secretary-General and Executive Secretary, United Nations Economic Commission for Africa, Addis Ababa, Ethiopia  
**Setting the Theme** Mr Gurjit Singh, Additional Secretary (East & Southern Africa), Ministry of External Affairs, Government of India  
**Moderator** HE Mr Ogunlade Davidson, Former Minister of Energy & Water, Sierra Leone ■ Mr Hama Arba Diallo, Chair of Global Water Partnership (GWP), Ouagadougou, Burkina Faso ■ HE Mr Henri Djombo, Minister of Sustainable Development, Forestry and Environment, Brazzaville, Republic of Congo ■ Dr Tewolde Berhan Gebre Egzabihier, Director General Environment Protection Authority, Addis Ababa, Ethiopia ■ Mr George J. Gendelman, Cofounder, Planetworkshops, Paris ■ Dr Youba Sokona, Coordinator, African Climate Policy Centre, United Nations Economic Commission for Africa, Ethiopia

The session highlighted that Africa must take adaptation measures to address the impacts of human-induced climate change. Adaptation measures will also demand a change in lifestyles of the common middle-income section of the people of Africa.

While addressing those challenges, it is important to maintain a balance between present and future use of natural resources. In the current context, Africa does not have a strong voice in the global forum and, hence, requires support from international organizations. The

support can come through strong South-South cooperation between India and Africa. In addition to these challenges of adaptation, issues such as food security, role of science and technology, and renewable energy have to be addressed while charting out a growth and development pathway for African nations. In order to grow and develop, Africa has to address the challenges of desertification, land degradation, food security, and biodiversity, including preservation of wildlife, forest cover, and availability of water and energy. Developmental goals of the continent have to be achieved by addressing the challenges facing them due to the exploitation of two

resources—petroleum and minerals. The empowerment of women, education, and community-based resource management are the key to achieving developmental goals. Renewable energy resources like solar, hydro, wind, and agri-waste have already been tapped for fostering green growth in Africa. The energy potential in these resources needs to be enhanced through basic infrastructure creation and partnerships between the government and the private sector as well as the civil society. However, the implementation of all of these will require a strong political will. ■



Mr Abdoulie Janneh



Mr Gurjit Singh



HE Mr Ogunlade Davidson



Mr Hama Arba Diallo



HE Mr Henri Djombo



Dr Tewolde Berhan Gebre Egzabihier



Mr George J Gendelman



Dr Youba Sokona

# Water – Our Vital Commons

**Moderator** Mr Ashok Jaitly, Distinguished Fellow & Mentor, TERI, India  
**Speakers** Dr Don Blackmore AM, Chair-eWater CRC & Chair-Water for a Healthy Country, Australia ■ Mr Henry Saint Bris, Senior Vice President Strategy, SUEZ Environment, France ■ Mr Serge Lepeltier, French Ambassador for Climate Change negotiations, Mayor of Bourges, France ■ Dr David Molden, Director General, International Centre for Integrated Mountain Development (ICIMOD), Nepal ■ Mr Suresh P Prabhu, Chairperson, Council on Energy, Environment and Water, India ■ Prof Johan Rockström, Executive Director, Stockholm Environment Institute, Sweden ■ Dr Shiv Someshwar, Director Climate Policy, CGSD & Senior Advisor Regional Programs, IRI, The Earth Institute, Columbia University, USA



Mr Ashok Jaitly



Dr Don Blackmore AM



Mr Henry Saint Bris



Mr Serge Lepeltier

Mr Ashok Jaitly chaired and moderated the session and put forth a few critical issues concerning water. Dr Dan Blackmore emphasized on the human aspect of water management. Mr Henry Saint Bris emphasized the significance of decentralized alternatives of water management to overcome water stress in urban areas. He expressed

concern that the traditional infrastructure arrangements were inadequate leading to about 40% of the loss of water. He stated that large future cities need to invent new solutions through decentralized water management, involving all stakeholders, thus, reflecting a new vision. Mr Serge Lepeltier shared the significance

of the expectations from the forthcoming 6th World Water Forum being organized in France in March 2012 and emphasized on the need for collective action in the water and sanitation sector. Dr David Molden spoke about the ambiguity over the quantity of water available in the Himalayan region. Mr Suresh Prabhu stressed the need to customize innovative water-related technologies with traditional knowledge.

Prof. Johan Rockström reiterated that if mitigation to climate change is about the gases, then adaptation

to climate change is about the water. Dr Shiv Someshwar discussed the knowledge related dynamics between micro- and macro-level of water management. Mr Ashok Jaitly concluded the session by emphasizing the need for good governance to manage global and local commons. This session also discussed issues relating to productivity and efficiency of water, virtual water, the mismatch between demand and supply, and strategies and solutions to resolve local conflicts, and enhancement of regional cooperation. ■



Dr David Molden



Mr Suresh P Prabhu



Prof Johan Rockström



Dr Shiv Someshwar

## AFD book launch – A Planet for Life Series



The latest book in A Planet for Life series, *Development, Food and the Environment: towards agricultural change*, published by Agence Française de Développement (AFD) and Institute for Sustainable Development and International Relations (IDDRI), in collaboration with TERI, was unveiled by (left to right) Dr R K Pachauri, Director-General, TERI; Dr Laurence Tubiana, Director, IDDRI; and Mr Pierre Jacquet, Chief Economist, AFD, the co-editors of the book.

Mr Jacquet commended the role of the associate editors as well as TERI Press in the successful publication of the book.



# Sustainable Development and Consumption

**Moderator** Dr Ligia Noronha, Director, Resources, Regulation and Global Security Division, TERI, India  
**Keynote Address** Ms Connie Hedegaard, European Commissioner for Climate Action, European Commission, Denmark  
**Speakers** Mr Peter Bakker, President, World Business Council for Sustainable Development, Switzerland ■ Mr Warren Evans, Senior Advisor, Sustainable Development Network, The World Bank, USA ■ Mr Pierre Jacquet, Chief Economist, Agence Française de Développement (AFD), France ■ Mr Bittu Sahgal, Editor, Sanctuary Asia and Sanctuary Cub Magazines, India ■ Prof. Petteri Taalas, Director-General, Finnish Meteorological Institute, Finland

Dr Ligia Noronha chaired and moderated the session and highlighted the importance of looking at not just issues of over consumption, but also issues of under consumption in the context of the sustainable development

discourse. Ms Connie Hedegaard, in her keynote address, emphasized on the importance of redefining growth characterized by efficient use of resources and optimum pricing. Mr Peter Bakker defined the vision of sustainable consumption as



Ms Connie Hedegaard

better products and services, enlightened consumers, maximized total value, new measures, and a cohesive and responsive market place. Mr Warren Evans urged rich countries to take a lead in making consumption sustainable through an

appropriate regulatory framework. Mr Pierre Jacquet mentioned that we need to focus on under-consumption in developing countries the way we focus on over-consumption in developed countries. He also emphasized the need to address problems of food security, energy, and involvement of local people.

Mr Bittu Sahgal communicated the need to care for Nature and to take urgent action to protect it. He emphasized on the role of children in bringing about a change. Prof. Petteri Taalas shared meteorological data, which indicated the significant changes in temperature,

hydrosphere, snow cover, glaciers, and so on and highlighted the need to recognize these changes and take appropriate actions. ■



Dr Ligia Noronha



Mr Peter Bakker



Mr Warren Evans



Mr Pierre Jacquet



Mr Bittu Sahgal



Prof. Petteri Taalas

## SPECIAL EVENTS

### Workshop on “Large Scale Deployment of Smart Grids: opportunities and strategies”

TERI, in association with Electricite de France (EDF), organized a one-day workshop on “Large Scale Deployment of Smart Grids: opportunities and strategies” on 31 January 2012. The workshop saw participation of experts from the regulatory commissions, public and private sector utilities, project developers, academia, and R&D institutions. The workshop emphasized the need for disseminating the experience (both national and international) and offered a platform to discuss the emerging opportunities in the field of smart grids. The speakers shared their experiences in implementing the smart grid initiatives worldwide. Panelists discussed the huge potential for smart grid initiatives in the country and the emerging challenges. There was consensus on the need of policy and regulatory interventions to accelerate the execution of the smart grid projects, and the need to focus on transition from product to “service” mode of smart grid development. It emphasized on the large scale renewable energy penetration in various grid models. ■



### Learning from Emerging Energy Innovations in Asia with a Focus on Energy Access and Clean Energy: contributing to the discourse on an institutional framework for sustainable development

The event was part of a TERI-IGES study supported by the “Energy for All” initiative of the Asian Development Bank. Session I discussed some select Asian case studies that demonstrated innovative practices in energy access and clean energy, providing evidence of bottom-up endeavours and top-down approaches that have enabled policy diffusion. Session II elucidated emerging issues in energy governance and challenges for institutions involved in providing decentralized energy access. The focus was on IFSD across multiple levels that allow different actors to play different roles as may be required, while contributing to the advancement of the sustainable development agenda. The final session deliberated upon some key aspects of distributed energy governance such as technology, finance, institutional diversity, co-ordination mechanisms, and risk management. ■

### Indo-Norwegian Research Collaboration to Address Climate Change Impacts on Selected Indian Hydrological Systems using Earth System and High Resolution Modelling

A special event titled “Indo-Norwegian Research Collaboration to Address Climate Change Impacts on Selected Indian Hydrological Systems using Earth System and High Resolution Modelling” was held on 1 February 2012.

With reference to the current and future, scientists working in the field of climate and hydrological modelling and impact assessment from scientific institutes across Norway and India deliberated on the key issues, gaps, and methods in this field. Discussion were based on the primary objective to study, numerically model, create scenario-based projections, and understand the impacts of climate change and feedback mechanisms on the hydrological processes of the Himalayan-dependent regions in India. This special event brought together stakeholders and scientists to address an integrated climate modelling assessment involving Earth-system, regional-climate, and hydrological models to address climate change and its impact on the hydrological cycle of surface water availability over India. Dr R K Pachauri, Director-General, TERI welcomed Mr Erik Solheim, the Norwegian Minister for Environment and International Development; Dr Shailesh Nayak, Secretary to Government of India, Ministry of Earth Sciences; and Dr Hans Borchgrevink, Special Advisor, Research Council of Norway, who presented the keynote address, the inaugural address, and the Ind-Nor collaboration perspective, respectively. ■

