

### **CLIMATE – NEWS**

#### ISSUE - VI & VII

ICFRE – CLIMATE CHANGE NEWS From the Division of Biodiversity & Climate Change (BCC), Directorate of Research, Indian Council of Forestry Research and Education, P.O: New Forest, Dehra Dun – 248006

### Climate Change International News

#### **Kyoto Protocol's Entry into Force: Worldwide Celebrations**

Across the globe, a series of official events were held on 16th February 2005 to celebrate the enforcement of the Kyoto Protocol.

#### Press Conference on Albania and Kyoto Protocol - Albania, Tirana

The press Conference was conducted by Mr. Ethem Ruka, Minister of Environment of Albania and Ms. Ermira Fida, National Coordinator for Climate Change. The aim of this press Conference was to inform the media on what is the Kyoto Protocol, what brings its ratification, what are the cooperative mechanisms established under it, what is Albania's status under the UNFCCC and Kyoto Protocol.

### Celebration of the Entry into Force of the Kyoto Protocol – Argentina, Buenos Aires

A Conference was conducted to discuss the implications of the entry into force of the Kyoto Protocol followed by a Cocktail at Secretariat of Environment and Sustainable Development of Argentina.

#### **Kyoto and Beyond** – *Australia*, *Sydney*

The New South Wales (NSW) Premier's Greenhouse Advisory Panel hosted a cocktail reception on this significant occasion. It started with a welcome by Martijn Wilder, Interim Chair, NSW Greenhouse Advisory Panel and Partner, Baker & McKenzie; and the leading players in the global carbon market actively participated in the event.

# Report on the "Business Consequences of the European Emissions Trading Scheme" – Belgium, Brussels

The Centre for European Policy Studies (CEPS) launched latest Task Force on the EU Emissions Trading scheme during an official event hosted by Hans Blokland, Vice-chairman of the Environment Committee of the European Parliament. During the event Jos Delbeke (DG Environment, European Commission), Yngve Stade (Senior Executive Vice President, StoraEnso Group) and Christian Egenhofer (Senior Fellow, CEPS) discussed the potential economic and environmental impacts of the

EU Emissions Trading scheme, with a particular focus on competitiveness of European industry, power sector investment, power price effects, power markets functioning and environmental effectiveness.

You may visit the following link for detailed information: http://ceps01.link.be/Event.php?event\_id=98

### Leadership on Climate Change in a Changing Political Climate – Belgium, Brussels

European Parliament organized a debate concerning global leadership on Climate Change as well as the risks related to inaction on Climate Change and other global environmental issues. In particular, it explored the challenges and difficulties faced by the EU in keeping up its global leadership of efforts to address Climate Change, and considered the strategies for involving other major players in taking meaningful steps to limit or reduce their greenhouse gas emissions.

#### **Action sunrise** – **Belgium**, Brussels

At the dawn of the Kyoto era, the 'solar generation' met the Belgian government (Prime Minister and Minister of Environment) to call for a proactive climate policy.

#### **Publication Launch – Round Table – Brazil**, Rio de Janeiro

ICLEI-Local Governments for Sustainability, Latin American and the Caribbean Secretariat (LACS) launched its guide for Local Governments in Latin America: "Cambio Climático y Desarrollo Limpio: Oportunidades para Gobiernos Locales" in Spanish and Portuguese "Mudanças Climáticas e Desenvolvimento Limpo: Oportunidades para Governos Locais" (Climate Change and Clean Development: Opportunities for Local Governments). The round table gathered CCP cities representatives, municipal officials, authorities and experts to discuss the role of local governments in the region in contributing to reduce GHG emissions, and support their countries in meeting commitments within the UNFCCC and the Kyoto Protocol. This Guide is available at ICLEI's web site http://www3.iclei.org/lacs/ccp

#### **Ecological Coffee** – *Brazil*, Santo Agostinho

The Self–Regulating Body of the Engeneering, Architecture and Agronomy Professions of Minas Gerais (Crea–MG) and the Environment Defense Association (Amda) organized an "Ecological Coffee" to celebrate Kyoto Protocol's entry into force on 16 February 2005. The event were lead by the Civil Engineer Marcos Túlio de Melo, President of the CREA–MG, Dr. Milton Nogueira, former–employee of the UNIDO, several members of the State Parliament and the City Parliament.

#### Countdown to Kyoto – Canada, Bathurst

Activities started with a welcome address by the Mayor of Bathurst followed by the discussions about Climate Change and the Kyoto Protocol, a Kyoto Press Conference and a Kyoto Reception.

### Entry into Force of the Kyoto Protocol: Issues and Implications – Canada, Montreal

An international panel event and discussion were conducted. The panel was chaired by Hon. Charles Gonthier, Wainwright Senior Research Fellow, McGill Faculty of Law, Counsel, McCarthy Tétrault & Former Justice of the Supreme Court

of Canada. Distinguished speakers included: Prof. Christopher Green, McGill Department of Economics & Centre for Climate and Global Change Research, on the impact of the entry into force on efforts to stabilize climate; Mme. Elizabeth Harvey, CIDA, Climate Change Unit, on the implications for development programming; Prof. Hélène Trudeau, Université de Montréal Faculty of law & CISDL Senior Research Fellow, on the constitutional issues of the entry into force; Mme. Xueman Wang, Biodiversity Convention Secretariat & CISDL Lead Counsel, on the advancement of international efforts to be taken after the Kyoto Protocol .

#### Climate Change Displays – Canada, Whitehorse

Kyoto, Arctic Climate Impact Assessment, Climate Change Mitigation, impacts and adaptation, energy efficiency and active living displays were set up in the lobby of the main government building in Whitehorse.

#### Response to Climate Change – Canada, Whitehorse

Half-day event was hosted for connecting Yukon communities. Invited presentations from selected community programs. Round-table was held from all communities and video links to community campuses in 10 different Yukon communities.

# Prayer and Eucharistic Celebration for the effective implementation of the Kyoto Protocol worldwide – *China*

Prayer was conducted for all the continents in the world that each country would endeavour to see that the Kyoto Protocol is effectively implemented as an initial step towards further action with a sense of the urgency that the situation calls for.

#### **Press Conference** – *France*. Paris

Christian Brodhag, Interministerial delegate on Sustainable Development and Paul Watkinson, International expert from the French delegation conducted a press briefing. This briefing explained what the enforcement of the Kyoto Protocol means, its implementation by the French government and also introduced some elements about the post 2012 strategy. A guide explaining all the international agreements on Climate Change from Rio (1992) to Buenos Aires (2004) was also distributed.

#### Celebration of the entry into force of the Kyoto Protocol – Germany, Bonn

UNFCCC, the City of Bonn, German NGO Forum on Environment and Development with Stiftung Zukunftsfähigkeit and Germanwatch hosted a ceremony at Bonn City Hall (Altes Rathaus). The participants included H.E. Mr. Jürgen Trittin, Federal Minister for the Environment, Nature Conservation and Nuclear Safety.

#### Clear Skies! - India. New Delhi

An interaction to mark the coming into force of the Kyoto Protocol was conducted. This event brought together the developers of Indian CDM Projects, and facilitated their interaction with the Government of India, Financial Institutions and CER buyers at ASSOCHAM House 47, Prithviraj Road, New Delhi.

### Workshop on Carbon Sequestration and Sustainable Livelihoods – *Indonesia*, Bogor

In CIFOR Headquarters, Workshop was organized, to bring together practitioners, Project developers, policy makers, and researchers to share knowledge, lessons—learned, and best practices related to implementing Projects focused on Carbon Sequestration and sustainable livelihoods. Also to provide up—to—date information on the requirements of both mandatory and voluntary Carbon markets, and guidance on what Project partners would need to do in order to benefit from these markets. This is particularly relevant to the future direction of payment mechanisms with large carbon credit components. The Workshop also examined how the provision of ecosystem services including watershed and biodiversity protection, might be financially compensated. The recommendation was made in the Workshop to make links to the development of adaptation strategies and measures, especially for ecosystems that are vulnerable to Climate Change. The Canadian International Development Agency (CIDA) funded the event.

#### Climate Action Network International Events – International, Numerous

Climate Action Network (CAN) International conducted an event in 24 cities around the world: AUSTRALIA, Sydney and Melbourne; BELGIUM, Brussels; BRAZIL, Rio and Sao Paulo; CANADA; CHINA, Beijing; CROATIA; CZECH REPUBLIC; FINLAND; FRANCE, Paris; GERMANY; ICELAND; INDIA; INDONESIA; IRELAND, Dublin; ITALY, Rome; JAPAN, Kyoto and Tokyo; MOROCCO; NORWAY; PACIFIC ISLANDS; PORTUGAL, Lisbon; RUSSIA, Moscow; SLOVENIA; SOUTH AFRICA; SWITZERLAND, Zurich; THE NETHERLANDS, Utrecht; UNITED STATES OF AMERICA; and UNITED KINGDOM, London.

http://www.climatenetwork.org/kyotoevents.htm

#### Friend of the Climate Week – *Italy*

Over 50 local initiatives in 15 regions launched the public campaign on "Change of Climate" to sensitize citizens on the issue of Climate Change. The activities included Conferences, information stalls, exhibitions, and petition signing during 13-20 February 2005.

#### Conference on "Present and Future of the Kyoto Protocol" – Italy, Milan

This Conference celebrated the Kyoto Protocol's official enforcement. Leading Italian and European scientists presented the scientific evidence of global Climate Change and its impacts on the environment and the socio–economic system. They also analyzed the costs and benefits of the compliance with the Protocol, the future scenarios after Kyoto and the emerging technologies for cleaner energy production. A round table discussed the response of public and private institutions to the challenge posed by the Protocol to our society at Politecnico di Milano Technical University, Milano, Italy.

### "Natural disasters and Climate Change in the Globalization Era: the World Contract on Energy" – *Italy*, *Rome*

Conference was organized to discuss the impact on the environment of the fossil fuel economy, at Università La Sapienza, – Facoltà di Lettere, Aula 1, P.le Aldo Moro

#### "Cities, Regions and the Kyoto Challenge" – Italy, Rome

The local administrators participated in a Conference to discuss the policies and measures to reduce GHG emissions and use energy more efficiently, at Town Hall Rome city.

#### Kyoto Protocol in action: What it Means to You and to FAO - Italy, Rome

The FAO Interdepartmental Working Group on Climate Change organized a panel to discuss the implications for FAO of the entry into force of the Kyoto Protocol with World Food Programme, International Fund for Agricultural Development and FAO staff.

#### Climate Change Symposium – Jamaica, Kingston

Officials including the Prime Minister delivered speeches at Hilton Hotel in the Symposium.

#### Climate Change Seminar – Japan, Kyoto

In the seminar, speeches were delivered on COP -10 and the Perspectives of International Collaboration against Global Warming. Presentations included Technological Break-through – Strategy of the Bush Administration by Prof. Masayuki FUKAO; and The Situation and Perspectives of International Collaboration from the Point of View of the COP -10 by Asist. Prof. Yukari TAKAMURA at Campus Plaza Kyoto.

### Commemorative Event to Mark the Entry into Force of the Kyoto Protocol – *Japan*, Kyoto

The Ministry of the Environment of Japan, in conjunction with the governments of Kyoto Prefecture and Kyoto City, conducted an event on Wednesday 16 February 2005 to commemorate the entry into force of Kyoto Protocol to the United Nations Framework Convention on Climate Change adopted at the Third Conference of the Parties to the Convention (COP3) on this day. The events were held in the presence of the Minister for the Environment Yuriko Koike in the Kyoto International Conference Hall, where COP3 itself took place, under the title of "Commemorative Event to Mark the Entry into Force of the Kyoto Protocol: Kyoto Protocol Enters into Force! – Messages from around the World". Nobel Laureate Wangari Maathai and Joke Waller–Hunter addressed the Symposium. Japanese Minister Yuriko Koike inaugurated the Kyoto Relay of Messages celebration. The relay featured video messages from United Nations Secretary -General Kofi Annan and Chinese Minister of the Environment Jiang Liu as well as live video–Conference links with UK Minister Margaret Beckett and Canadian Minister of the Environment Stéphane Dion were done.

#### Special Supplement Issued in Daily Newspapers – *Maldives*

The supplement included a message from His Excellency Mr. Maumoon Abdul Gayoom, President of the Republic of Maldives, and a message from Honourable Abdulla Kamaludeen, the Acting Minister of Environment and Construction to mark the special occasion of the enforcement of the Kyoto Protocol. The supplement also included general information on the Kyoto Protocol and its importance to low—lying small island States like the Maldives. In addition, a press Conference was also held at the Ministry of Environment and Construction and the Deputy Minister of Environment and Construction bri efed journalists on the Kyoto Protocol.

#### Celebration of the Entry into Force of the Kyoto Protocol – Mexico, Mexico City

The Minister of Environment and Natural Resources, the Ambassador of Japan in Mexico and a representative of the private sector started activities with a welcome address. The ceremony included the delivery of the first Letters of Approval for CDM Projects in Mexico and the President Fox at Los Pinos headed the closing ceremony.

#### Climate Seminar – Norway, Oslo

The Norwegian Ministry of the Environment, Center for International Climate and Environmental Research – Oslo (CICERO) and Friends of the Earth Norway conducted a joint event to mark the Kyoto Protocol entering into force on 16 February 2005. The Norwegian Minister of the Environment, Mr. Knut Arild Hareide, delivered a speech on the Norwegian Government's policy on how to achieve the commitments of GHG emission reductions within the Kyoto Protocol. Climate researchers Paal Prestrud CICERO, Arild Moe (The Fridtjof Nansen Institute), K nut Alfsen (Statistics Norway) and Asbjoern Torvanger (CICERO) and Director of the environment Tor Fjaeran (Statoil) also addressed representatives from the Norwegian Government, policy makers, industry, NGOs and press during a three hours event in Oslo. Representatives from the Russian and the Japanese Embassies also joined this event.

# A Change of Art: Perspectives from a Weathered World. Alternatives for a Changing Climate – *Philippines*, *Makati City*

On 18–20 February 2005 an exhibit of photographs was o rganized on the issue of Climate Change featuring the works of the class of renowned photographer Pancho Escaler at Makati Mall (between McDonald's and Gift Gate) Makati City Philippines.

# **Kyoto Protocol Day: New Opportunities for Investing in Cleaner Development** – *Philippines*, *Manila*

Asian Development Bank organized a breakfast event to commemorate Kyoto Protocol Day. New opportunities for investing in cleaner development Programme were discussed during the event. ADB President Haruhiko Kuroda; Secretary V incent Perez, Department of Energy, Philippines; Secretary Michael Defensor, Department of Environment and Natural Resources, Philippines and ADB Vice President for Knowledge Management and Sustainable Development also participated the function.

# "STOP THE WARMING: A Media Briefing on Climate Change and the Kyoto Protocol" – *Philippines*, *Manila*

A forum was established for exchange of ideas on the issue of Climate Change and an occasion to commemorate the entry into force of the Kyoto Protocol.

#### Celebration of the Entry into Force of the Kyoto Protocol Slovenia, Ljubljana

The Government of Slovenia conducted a press Conference to mark the entry into force of the Kyoto Protocol by a solemn—session of the National Climate Change Committee (NCCC). The partic ipants included H.E. Mr. Janez Jansa, Prime Minister; H.E. Mr. Janez Podobnik, Minister of the Environment and Spatial Planning, and Chairman of the NCCC; and others. Introductory Speeches were also delivered during the Conference.

# Round-tables on the Different Approaches on Combating Climate Change From: the Business Sector, Trade Unions, NGO's, scientists and Public Administrations – Spain

The round-tables were launched by the Minister of the Environment with participation of Members of the Adviser Coun cil of the Environment on the different approaches on combating Climate Change from: the business sector, Trade Unions, NGO's, scientists and Public Administrations.

# Conference "Climate Change Politics – Introduction for researchers and technicians" – Spain, Valladolid

On the day the Kyoto Protocol entered into force, the Doctorate Program presented its latest results and programmed research on Climate Change. During the event participants presented an introduction to the past and future politics of Climat e Change for researchers. Hard copies of the Conference were made available at the meeting.

# Informative and Awareness day on "The Kyoto Protocol: A First Step within a Long Process" – *Tunisia*, *Tunis*

A representative of the Tunisian Minister of Environment and Sustainable Development and Mr. Dubois, Permanent Representative of the UNDP Office in Tunis opened this informative and awareness day. Presentations were focused on the Kyoto Protocol guidelines, the Clean Devlopment Mechanism (CDM) and opportunities for Tunisia and the stakes and challenges related to the implementation of the Kyoto Protocol. A round table chaired by Mr. Youba Sokona, Executive Secretary of the Sahara and Sahel Observatory with the attendance of Mr. Ogunlade Davidson, Vice President of the IPCC WGIII. The German Technical Cooperation (GTZ) Office in Tunis supported the whole event.

### Press Conference for Public Awareness on Entry into Force of Kyoto Protocol – *Turkey*, *Istanbul*

Turkish environmental NGOs joined the International celebration on the occasion of enforcement of the Kyoto Protocol, at the Chamber of Environmental Engineers, Istanbul.

#### **Kyoto Climate March** – *United Kingdom*, *London*

The Kyoto Climate March was organized. The march involved a parade of the flags of all the countries that have ratified the Kyoto Protocol. The speakers for the occasion were Caroline Lucas MEP (Green Party), Tony Juniper, Director Friends of the Earth, Norman Baker MP (Lib-Dem Shadow Environment Minister) and Muzammal Hussain from the Islamic Foundat ion for Ecology and Environmental Sciences.

#### Event to Mark the Enforcement of the Kyoto Protocol – United Kingdom, London

The Carbon Trust, set up by the UK Government to work with business to reduce Carbon emissions, hosted the UK event to mark the entry into force of the Kyoto Protocol. The event was attended by decision makers from the business world and the wider community. Two of the leading International experts on Climate Change: Professor Sir David King, the UK Government's Chief Scientific Adviser and Professor Michael Grubb, Associate Director of Policy at the Carbon Trust addressed the event.

#### Getting Muddy for Kyoto – United Kingdom, Norwich

The Tyndall Centre at the University of East Anglia planted 50 saplings of Oak, Ash, Beech, Birch and Willow on the occasion of entry into force of the Kyoto Protocol.

#### **Press Conference – United States**, Berkeley

Berkeley's Valentine to the Planet – Press Conference was conducted for the Berkeley's endorsement of the Kyoto Protocol. Its pledge is to reduce its production of Greenhouse gases emissions to achieve a climate neutral impact. Ambassador Enele Sopoaga, Permanent Representative of Tuvalu to the United Nations and Vice – Chairman of the Alliance of Small Island States delivered lectures on Climate Change and global warming, issues that are of particular concern to island nations that are experiencing the effects of rising ocean levels. The Conference was held at City's Peace Bell Monument Berkeley City Hall Berkeley. Please see Kyoto USA's website www.kyotousa.org for more details.

#### Climate Change Policy: Next Steps – *United States*, *Brookings Institution*

A distinguished group of speakers discussed the current state of Climate Change policy and addressed several key questions on global warming at The Brookings Institution Falk Auditorium Washington, DC.

#### The Kyoto Protocol Comes Into Force: So what? - United States, Canton

Faculty and students from St. Lawrence University's Environmental Studies programme organized an event commemorating the significance of 16 February 2005, the day the Kyoto Protocol comes into force. Having attended the 10th Conference of Parties (COP 10) to the United Nations Framework Convention on Climate Change this past December in Buenos Aires, Argentina, Professor Rosales deliv ered a lecture on the Kyoto Protocol process at Hepburn Hall 212, St. Lawrence University in upstate New York.

### **Kyoto Comes of Age: The Beginning of the Carbon-Constrained Age – United States**, Denver

An information session on the implications of the coming into force of the Kyoto Protocol was organized and a review was done of the potential effects on businesses within the United States at USEPA Conference Center.

#### What's Next for Maine on Climate Change? - United States, Maine

The city of Maine arranged presentations by local environmental policy makers and educators in Bowdoin College Brunswick, Maine for the topic – "What's Next for Maine on Climate Change?" The drafting of the Maine State Climate Action Plan and how Maine's legislators can put the plan into effect were addressed by Representative T.Koffman, co -chair of the Natural Resources Committee; Suzanne Watson of the Northeast States Consortium on Air Use Management, and Bowdoin Professor Mark Battle.

#### One Day after Kyoto: Next Steps on Climate – United States, New York

This important Conference was sponsored by the UN Foundation and cosponsored by the UN Department of Economic and Social Affairs, the United Kingdom Mission to the United Nations, and the Rockefeller Brothers Fund. The United Nations Fund for International Partnerships was the host of the event. During

the Conference, participants discussed Kyoto Protocol coming into effect, committing its signatories to reduce the emissions that are causing global warming, as the first step in implementing the UN Framework Convention on Climate Change.

### **Green Biodiesel Production Starts**

#### **Scotland**

Commercial production of green fuel at the UK's first large -scale biodiesel plant has now started. The first tanker—load of useable fuel, made from used coo king oil and animal fats, has been picked up from the Argent Energy plant at Motherwell. It is expected that the green fuel will shortly be available at forecourts. Prime Minister Tony Blair, Secretary of State for Transport Alistair Darling, and Enterprise e Minister Jim Wallace, have welcomed the news. The load is part of a contract between Argent Energy and Petroplus, which could see up to 25,000 tonnes of biodiesel a year making its way to refineries in Grangemouth and in Teesside. Once there, it will be blended with mineral diesel and marketed under the Bio—plus brand on filling station forecourts.

### **ICFRE News**

Workshop on "Facilitating Forestry Mitigation Projects in India: Promoting Stakeholder Dialogue and Capacity Building, Dehradun INDIA 15–17 June, 2005

Indian Council of Forestry Research and Education in partnership with Institute of Silviculture, Freiburg University, Tennenbacher Str. 4, 79104 Freiburg, Germany and Joanneum Research Forschungsgesellschaft mBH, Steyrergasse 17, 8010 Graz, Austria organized Workshop during 15 to17 June 2005. For details please visit the ICFRE website: <a href="https://www.icfre.org">www.icfre.org</a>

# Compulsory Training Course on Climate Change for Indian Forest Service Officers - 30th May to $3^{\rm rd}$ June 2005

Biodiversity and Climate Change Division, Directorate of Research ICFRE organized one week compulsory training course for IFS officer on Forestry issue in Climate Change from 30 <sup>th</sup> May to 3 <sup>rd</sup> June 2005.

### Two day's Training Workshop on "Climate Change Mitigation: Role of Forestry and Sink Projects within CDM Framework"

The Indian Council of Forestry Research and Education, Dehradun organized a two day's Training Workshop on "Climate Change Mitigation: Role of Forestry and Sink Projects within CDM Framework" from 29<sup>th</sup> to 30<sup>th</sup> December, 2005 for the Indian Forest Service Officers at Dehradun. The course was sponsored by the Ministry of Environment and Forests, Government of India.

Thirteen participants from different States participated in the above Training Workshop. Eminent scholars in the field of Forestry and Climate Change shared their experiences with the participants. The Workshop ended with a Panel Discussion on "Promotion of Forestry Mitigation Projects in India: need for a strong policy framework and Institutional support".

The Workshop was inaugurated by Shri G K Prasad <sub>IFS</sub> D.G, ICFRE & Addl. DG, MoEF, Government of India, Dr Shashi Kumar <sub>IFS</sub>, Director (Research) & DDG (Extension) ICFRE welcomed the Chief Guest. Shri Mudit Kumar Singh <sub>IFS</sub>, ADG & Head (BCC) Division, ICFRE gave the Vote of Thanks.

**Dr. Mohit Gera and Dr. (Mrs.) Jeeva** as a nominee of Government of India contributed to review Guidelines for reporting on forestry in the Development of IPCC 2006 Guidelines for National Greenhouse Gas Inventories for the first Order Draft during April 2005.

**Dr Neeta Hooda, Head** – **Biodiversity and Climate Change Division**, Directorate of Research attended Group Training Course on Development of strategies on Climate Change held in Japan from 11 <sup>th</sup> January to 3 <sup>rd</sup> March 2005 Under the Technical Co–operation Programme of Government of Japan.

**Dr Neeta Hooda and VRS Rawat** provided expert comments on "Simplified Baseline and monitoring methodologies for selected A/R Small Scale CDM Projects activity categories" to UNFCCC in August 2005. Comments are available at <a href="http://cdm.unfccc.int">http://cdm.unfccc.int</a>

**Dr. Neeta Hooda and Swati Negi** provided expert comments on "Draft Tool for the Demonstration and Assessment of Additionality in A/R CDM Project Activities" to the UNFCCC in August 2005. Comments are available at http://cdm.unfccc.int

ICFRE proposes to conduct second Workshop on A&R Carbon Mitigation Projects on Jan 10–11,2005 in New Delhi. For more information details please visit ICFRE website: <a href="https://www.icfre.org">www.icfre.org</a>.

### **Workshop / Seminars**

**Consultative Workshop on Climate Change and Development by** TERI, New Delhi 4 – 5 April 2005.

The Energy and Resources Institute (TERI), New De lhi organized a Workshop on "Climate Change and Development" from 4 – 5 April 2005. The Workshop provided an opportunity to exchange experiences regarding the in–country consultative analysis on Climate Change and development, the Vulnerability & Adaptation Assessment in NATCOM, Current status of sectoral research on impacts, vulnerability and adaptation to Climate Change in India, associated gaps and need for further and development.

The WMO / UNEP Intergovernmental Panel on Climate Change (IPCC) met in Addis Ababa, Ethopia from 6 – 8 April 2005 to finalize a special report on 'safeguarding the ozone layer and the global climate system: issues related to hydrofluorocarbon (HFCs) and Perfluorocarbons (PFCs)".

#### Pan–American Environmental Technology Trade Show and Conference April 6 to 8, Montréal (Quebec) Canada

This event included a Conference program, a trade show, as well as an International business matchmaking forum. This year's theme was "ECO -CITY, generating sustainable environmental solutions". For the detailed information, you

may visit: www.americana.org. The Conference program's objectives were to promote spreading and sharing of techniques, knowledge, solutions and technologies allowing pollution mitigation or elimination. The program also included Conferences of a commercial nature on environmental industry business opportunities abroad.

#### **UNFCCC Workshop on National Systems,** 11 – 12 April 2005, Bonn, Germany

The Subsidiary Body for Scientific and Technological Advice, at its nineteenth session, requested the secretariat to organize a Workshop on National Systems under Article 5.1 of the Kyoto Protocol for the preparation of National Greenhouse Gas Inventories before its twenty-second session [FCCC/SBSTA/2003/15, para. 14 (g)]. The Workshop provided Parties with an opportunity to exchange experiences regarding the development and implementation by Annex I Parties of National Systems for the preparation of Greenhouse Gas Inventories. It covered both general and specific functions of National Systems, such as institutional arrangements, quality assurance / quality control procedures, and data collection.

# **Twenty-Second Sessions of the Subsidiary Bodies,** 16–27 May 2005, Bonn, Germany

The twenty-second session of the Subsidiary Bodies of the United Nations Framework Convention on Climate Change took place between 19 <sup>th</sup> and 27th May 2005, preceded by the seminar of governmental experts, which was held on 16th and 17th May 2005.

#### **UNFCCC:** 4th Meeting of the Afforestation and Reforestation Working Group

The Afforestation and Reforestation Working Group met at the UNFCCC Headquarters (Bonn) on 13-14 June 2005 and elaborated among others on the following items:

**New Methodologies:** The working group assessed five newly proposed methodologies for AR CDM Projects and recommended to the CDM Executive Board **not to approve** the following three proposals:

**ARNM0003** "The International Small Group & Tree Planting Program (TIST)"

**ARNM0004** "Treinta y Tres afforestation combined with livestock i ntensification"

**ARNM0005** "The Mountain Pine Ridge Reforestation Project (MPR Project)"

Whereas, **ARNM0006** "Bagepalli CDM Afforestation Programme" and **ARNM0007** "Moldova Soil Conservation Project" were preliminary recommended for approval.

For the Project Design Documents, Baseline and Monitoring methodologies as well public comments please visit:

http://cdm.unfccc.int/methodologies/ARmethodologies/p\_ublicview.html?OpenAll=1&cases=B

#### **Carbon Trading: Forests New South Wales Leading the Way**

Forests New South Wales (Australia) recently became the first body in the world to trade Carbon credits arising from forests in a Greenhouse Gas Abatement scheme. In February this year, Forests NSW was fully accredited as an abatement certificate provider under the New South Wales Greenhouse Gas Abatement Scheme. It has since registered 166,005 certificates, each equivalent to one tonne of Carbon Dioxide.

(Source: NSW Department of Primary Industries)

http://www.forest.nsw.gov.au/bush/winter05/stories/15.asp

#### **Tropical Forests Neglected in Climate Change Talks**

The loss of 30 million acres of tropical forests is the second leading cause of Global Warming after fossil fuel combustion, and despite past attention to the issue, G8 leaders have failed to place the issue high enough on their agenda, writes John Niles of the Climate Community and Biodi versity Alliance in the International Herald Tribune.

(Source: International Herald Tribune)

http://www.iht.com/articles/2005/07/06/opinion/edniles.php

#### **Biotechnology in Forestry Gaining Ground**

FAO calls for Systematic Assessment of Genetically Modified Trees:

Research and applications of biotechnology in forestry are advancing rapidly (FAO, 13 July 2005). A significant majority of forest biotechnology activities, around 70 percent, is taking place in developed countries, according to a new global study of biotechnology in forestry conducted by FAO, with the United States, France and Canada being the most active players. India and China are the most active of the developing countries and countries in transition.

(Source: FAO press release)

http://www.fao.org/newsroom/en/news/2005/104906/index.html

#### **Outsourcing Forests to India**

Farmers in Maharashtra are all set to cash in on the opportunities offered by Carbon Credit Trading, a scheme that aims at setting the wheels in motion to reduce green-house gas (GHG) emissions globally, following the signing of the Kyoto Protocol by 141 countries. A Pune-based non-governmental organization, 'Friends of Carbon' (FoC), has already brought together 5,000 farmers to exploit the option, which permits a developed country to meet part of its targeted emission cuts by funding tree plantations in developing countries like India, for Carbon Sequestration. (Source: ENN)

http://www.enn.com/biz.html?id=857

#### **UNFCCC:** Submission of New A/R Methodologies

Four new Afforestation & Reforestation methodologies have been submitted to the CDM Executive Board, relating to reforestation on pasture land on two sites within the Chocó–Manabí ecoregion of Ecuador, facilitation of reforestation in the Guangxi Watershed (China), Afforestation of bush and grassland on the Ranch "Rio Aquidaban" (Paraguay) and the Reforestation of bush, grassland and degraded woodland in the Kikonda Forest Reserve (FR) in Uganda.

The Afforestation and Reforestation working group dealt with these submissions during the 5th meeting of the group (31 Aug. -02 Sept. 2005) and made recommendations to the CDM Executive Board.

The proposed methodologies can be visited at:

 $\frac{http://cdm.unfccc.int/methodologies/ARmethodologies/p~ublicview.html?OpenAll=1\&~cases=B}{}$ 

#### **Small Scale AR CDM**

The working group started the development of simplified methodologies for small–scale Afforestation and Reforestation CDM Project activities.

#### Draft Tool for the Demonstration of Additionality in A/R CDM Projects

The draft tool had been recommended to the CDM EB and can be downloaded at <a href="http://cdm.unfccc.int/Panels/ar/ARWG04">http://cdm.unfccc.int/Panels/ar/ARWG04</a> Annex1 AR Additionality Tool.pdf
For more information please see: <a href="http://cdm.unfccc.int/Panels/ar">http://cdm.unfccc.int/Panels/ar</a>

A call was made for public inputs on the above and they were to be posted on the UNFCCC CDM web site, from 5 July to 8 August 2005.

Website: <a href="http://cdm.unfccc.int">http://cdm.unfccc.int</a> or go directly to:

http://cdm.unfccc.int/Panels/Panels/ar/Inputs\_Afforestation\_Reforestation

#### The Facts on Afforestation and Reforestation Projects under the Clean Development Mechanism in concise form are available for Forestry Practitioners at:

http://www.fao.org/forestry/foris/webview/forestry2/index.jsp?siteId=3284&sitetreeId=9830&langId=1&geoId=0

### Development of the 2006 IPCC Guidelines for National Greenhouse Gas Inventories

Authors are currently compiling the Second Order Draft, which will be submitted to government / experts review by September 2005. Guidelines for reporting on forestry are combined with those on agriculture and other land use. Final government consideration is planned for March 2006. SBSTA 24 will consider the Guidelines in May 2006.

http://www.ipcc-nggip.iges.or.jp/forumtree/

### **UPCOMING EVENTS**

### "GREEN POWER 5" INTERNATIONAL CONFERENCE AND EXHIBITION ON SUSTAINABLE POWER DEVELOPMENT

2 February 2006 – 3 February 2006. New Delhi, India.

This Conference, which will take as its theme, "Development of Resources, Management and Environment," will consider the latest technologies in the context of current future energy requirements. The meeting is being or ganized by IndiaCore.com and the Council of Power Utilities.

For more information contact: Priya Kapoor, IndiaCore; tel: +91 -11-2554-2551; Fax: +91-11-5540-5777; e-mail: <u>info@IndiaCore.com</u>;

Website: http://www.indiacore.com/ic-conf/12-feb06-green-power/index.html

### EIGHTH INTERNATIONAL CONFERENCE ON GREENHOUSE GAS CONTROL TECHNOLOGIES:

19 June 2006 – 23 June 2006. Trondheim, Norw ay.

The GHGT-8 Conference will seek to provide a forum to discuss the latest advances in greenhouse gas control technologies. It will also promote international research, collaboration and an exchange of ideas on future directions.

For more information contact: Mari Sæterbakk, GHGT –8 Secretariat; tel: +47–73–595–265; fax: +47–73–595–150; e–mail: <u>info@ghgt–8.no</u>

Website: <a href="http://www.ghgt8.no/">http://www.ghgt8.no/</a>

### **Publications on Climate Change**

Adesina F.A. – Siyanbola, W.O. – Oketola, F.A. – Pelemo, D.A. – Momodu, S.A. – Adegbulugbe, A.O. – Ojo, L.O., (1999). Potential of agroforestry techniques in mitigating CO2 emissions in Nigeria: Some preliminary estimates, **Global Ecology and Biogeography 8 (2): 163–173.** 

Chikahisa, T. – Anzai, H. – Hishinuma, Y. – Kudo, K., (2005). Modeling and evaluating the effect of forest fire control on the CO <sub>2</sub> cycle in Siberia, **Energy 30** (11–12): 2261–2274.

De Jong B.H.J. – Hellier, A. – Castillo–Santiago M.A. – Tipper R., (2005). Application of the 'Climafor' approach to estimate baseline carbon emissions of forest conservation Project in the Selva Lacandona, Chiapas, Mexico, **Mitigation and Adaptation Strategies for Global Change 10: 265–278.** 

Haettenschwiler, S. – Koerner, C., (2003). Does elevated CO<sub>2</sub> facilitate naturalization of the non-indigenous *Prunus laurocerasus* in Swiss temperate forests? **Functional Ecology 17 (6): 778–785.** 

Hese, S. – Lucht, W. – Schmullius, C. – Barnsley, M. – Dubayah, R. – Knorr, D. – Neumann, K. – Riedel, T. – Schröter, K., (2005). Global biomass mapping for an improved understanding of the CO<sub>2</sub> balance—the Earth observation mission Carbon – 3D, **Remote Sensing of Environment 94 (1): 94–104.** 

Fearnside, P.M., (2005). Deforestation in Brazilian Amazonia: History, rates, and consequences, **Conservation Biology 19 (3): 680–688.** 

Kelly, J.M. – Mays, P.A. (2005). Soil carbon changes after 26 years in a Cumberland Plateau hardwood forest, **Soil Science Society of America Journal 69 (3): 691–694.** 

Krankina, O.N. – Harmon, M.E. – Cohen, W.B. – Oetter, D.R., (2004). Carbon stores, sinks, and sources in forests of northwestern Russia: Can we reconcile forest inventories with remote sensing results? **Climatic Change 67 (2–3): 257.** 

Lisa Naughton-Treves, L., (2004). Deforestation and Carbon Emissions at Tropical Frontiers: A Case Study from the Peruvian Amazon, **World Development 32 (1):** 173–190.

Maciver, D.C. – Wheaton, E., (2005). Tomorrow's forests: adapting to a changing climate, **Climatic Change**, **70**: **273–282**.

Merganièová, K. – Pietsch, S.A. – Hasenauer, H., (2005). Testing mechanistic modeling to assess impacts of biomass removal **Forest Ecology and Management 207** (1–2): 37–57.

- Neeff, T. de Alencastro Graça, P.M. Vieira Dutra, L. da Costa Freitas, C., (2005). Carbon budget estimation in Central Amazonia: Successional forest modeling from remote sensing data, **Remote Sensing of Environment 94 (4): 508–522.**
- Nijnik, M., (2004). Economics of Climate Change mitigation forest policy scenarios for Ukraine, Climate Policy, 4 (3): 319–336.
- Northup, B.K. Zitzer, S.F. Archer, S. McMurtry, C.R. Boutton, T.W., (2005). Above–ground biomass and carbon and nitrogen content of woody species in a subtropical thorn scrub parkland **Journal of Arid Environments 62 (1): 23–43.**
- Ockwell, D. Lovett, J.C., (2005). Fire assisted pastoralism vs. sustainable forestry the implications of missing markets for carbon in determining optimal land use in the wet–dry tropics of Australia, **Journal of Environmental Management 75 (1): 1–9.**
- Ohlson, D.W. McKinnon, G.A. Hirsch, K.G., (2005). A structured decision making approach to Climate Change adaptation in the forest sector, **Forestry Chronicle 81 (1): 97–103.**
- Paul, K.I. Polglase, P.J. Richards, G.P., (2003). Sensitivity analysis of predicted change in soil carbon following afforestation **Ecological Modelling 164 (2–3): 137–152.**
- Payette, S., (2004). Contrasted growth of black spruce (*Picea mariana*) forest trees at treeline associated with Climate Change over the last 400 years, Vallée, Arctic, Antarctic, and Alpine Research 36 (4): 400–406.
- Petersen, A.K. Solberg, B., (2005). Environmental and econom ic impacts of substitution between wood products and alternative materials: a review of micro –level analyses from Norway and Sweden, **Forest Policy and Economics 7 (3): 249–259.**
- Pretzsch, H., Dursky, J., (2002). Growth reaction of Norway spruce (Picea ab ies (L.) Karst) and European beech (Fagus silvatica L.) to possible climatic changes in Germany. A sensitivity study, **Forstwissenschaftliches Centralblatt 121 (1): 145–154.**
- Rudel, T.K. Coomes, O.T. Moran, E. Achard, F. Angelsen, A. Xu, J. Lambin, E., (2005). Forest transitions: towards a global understanding of land use change, Global Environmental Change Part A 15 (1): 23–31.
- Shively, G.E. Zelek, C.A. Midmore, D.J. Nissen, T.M., (2004). Carbon sequestration in a tropical landscape: an economic model to measure its incremental cost. **Agroforestry Systems 60(3) p. 189–197**
- Swamy, S.L. Puri, S., (2005). Biomass production and C-sequestration of <u>Gmelina arborea</u> in plantation and agroforestry system in India, Agroforestry **Systems 64 (3): 181.**

Tapia—Coral, S.C. – Luiza, F.J. – Randelli, E. – Fernandes, E.C.M., (2005). Carbon and nutrient stocks in the litter layer of agroforestry systems in central Amazonia, Brazil, Agroforestry Systems (65): 33–42.

Thornley, -J.H.M. - Cannell,-M.G.R., (2004). Long-term effects of fire frequency on carbon storage and productivity of boreal forests: a modeling study, **Tree** physiology 24 (7): 765–773.

Tomlinson, R.W., (2005). Soil carbon stocks and changes in the Republic of Ireland, **Journal of Environmental Management 76 (1): 77–93.** 

Tschakert, P., (2004). Carbon for Farmers: Assessing the Potential for Soil Carbon Sequestration in the Old Peanut Basin of Senegal **Climatic Change 67 (2–3): 273 – 290.** 

Van Camp, N. – Vande Walle, I. – Mertens, J. – De Neve, S. – Samson, R. – Lust, N. – Lemeur, R. – Boeckx, P. – Lootens, P. – Beheydt, D. – Mestdagh, I. – Sleutel, S. – Verbeeck, H. – Van Cleemput, O. – Hofman, G. – Carlier, L., (2004). Inventory – based carbon stock of Flemish forests: A comparison of European bioma ss expansion factors , **Annals of Forest Science 61** (7): 677–682.

Velarde, S.J. – Malhi, Y. – Moran, D. – Wright, J. – Hussain, S., (2005). Valuing the impacts of Climate Change on protected areas in Africa ), **Ecological Economics 53** (1): 21–33.

Vetter, M. – Wirth, C. – Boettcher, H. – Churkina, G. – Schulze, E. D. – Wutzler, T. – Weber, G., (2005). Partitioning direct and indirect human–induced effects on carbon sequestration of managed coniferous forests using model simulations and forest inventories, Global Change Biology 11 (5): 810–827.

Wang, X = Zhou, X = Sun, Z = (2005). Research advances in the relationship between alpine timberline and Climate Change, **Chinese Journal of Ecology 24 (3):** 301–305.

Wise, R. – Cacho, O., (2005). A bioeconomic analysis of carbon sequestration in farm forestry: a simulation study of Gliricidia sepium, **Agroforestry Systems 64 (3): 237.** 

Wittig, V.E. – Bernacchi, C.J. – Zhu, X.G. – Calfapietra, C. – Ceulemans, R. – Deangelis, P. – Gielen, B. – Miglietta, F. – Morgan, P.B. – Long, S.P., (2005). Gross primary production is stimulated for three Populus species grown under free –air CO<sub>2</sub> enrichment from planting through canopy closure **Global Change Biology 11 (4):** 644–656.

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