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IUFRO

The International Union of Forest Research Organisations, a non-profit, non-governmental international network of forest scientists, promotes global cooperation in forest related research. It disseminates scientific knowledge to stakeholders/decision makers and contributes to forest policy and on-ground forest management (www.iufro.org).

PAU

The Punjab Agricultural University was established in 1962 at a time of food shortage in the country. Its key role was not only in making the country self-sufficient in food grains but also enabling it to export agricultural commodities. Due to its significant contributions, University was adjudged First Best State Agricultural University by the ICAR. University has four constituent colleges with campus area of 580ha and off-campus area of 2000ha. (www.pau.edu).

BENWOOD

Benwood is a research project under 7th Framework Programme (FP7) within the "Energy Thematic Area" of the European Union to promote the exchange of experiences (2009-2011) among researchers and project developers on short rotation forestry. It is a net work of 13 reputed organizations in 11 countries (www.benwood.eu).

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IUFRO SYMPOSIUM

ON

SHORT ROTATION FORESTRY: SYNERGIES FOR WOOD PRODUCTION AND ENVIRONMENTAL AMELIORATION

(February 10-12, 2011)



Organiser

Department of Forestry & Natural Resources,
Punjab Agricultural University, Ludhiana-141 004



Sponsor

Benwood Project of European Commission

Venue

Punjab Agricultural University, Ludhiana-141 004

Kindly check, www.iufro.org; www.benwood.eu; www.pau.edu
for symposium details.

IUFRO SYMPOSIUM

SHORT ROTATION FORESTRY: SYNERGIES FOR WOOD PRODUCTION AND ENVIRONMENTAL AMELIORATION

(February 10-12, 2011)

Ever increasing desertification, land degradation, concentration of green house gases, changing climate, etc. have become subject of serious global concern. Increasing pressure of swelling human and livelihood population, shrinking per capita land, deteriorating natural resources, acute shortage of energy, etc. have altered the livelihood options and sustainability. These problems are being increasingly recognized and a number of new forms of forestry have emerged that place greater emphasis on livestock security, energy, natural resource conservation, environment and sustainable development.

Short rotation forestry (SRF), the rapid silvicultural practice to reforest areas of barren forest lands/deforested mountains/salty grounds, etc. enhance farm income from subsistence farming and also mitigate adverse influence of global climate change. It is a system for optimal utilization of natural resources using biological, physical, theoretical and practical knowledge in an ecological acceptable manner. This practice meets ever growing wood and energy requirements, generates employment and also acts as source of carbon sink. Besides these, SRF helps in saving the virgin forests' wealth and act as vegetation filter.

Biomass is the world's fourth largest energy source; however, the industrialized countries have only three per cent contribution from fuelwood, whereas, in the developing world, fuelwood constitutes thirty three per cent of total energy use. More than one third of the world population depends on wood for cooking and heating. Of all the wood consumed annually in developing countries, 86% is used for fuel. The fuelwood crisis in developing countries have necessitated the need for short rotation woody crops (SRWCs) not only to meet fuelwood demand but also to protect existing forests from further destruction and maintain ecological balance. SWRCs are a carbon neutral source of energy and do not contribute to carbon dioxide enrichment of the atmosphere. Use of SRWCs for co-firing i.e., co-combustion with fossil fuels may be a cost effective, simple fuel switching strategy to a more environment friendly fuel source.

Many opportunities exist for linking dendro-remediation with tangible biomass economic opportunities such as bio-energy, solid wood products and reconstituted products. Such practices in countries like Finland, Sweden, Germany, Poland, Canada, USA, Greece, etc. have proved economically and environmentally sustainable.

The potential of forests (natural or plantation) in mitigating the climate change has fully been realized and the collaboration at international level started with the concept that air pollution does not need passport to crossover the geographical boundaries of the country. Nature has given us one green technology "photosynthesis" which is not only cost free but has direct support in terms of livelihood security, energy and carbon sequestration. Short rotation forestry including agroforestry can act as a good source of carbon sink, though carbon sequestration

potential of afforestation/reforestation is specific to species, the management involved and it is, therefore variable.

Considering significance and growing interest among researchers/development workers around the world on short rotation forestry and celebrate the International year of Forestry, the Department of Forestry and Natural Resources, PAU is organizing IUFRO symposium "Short rotation forestry: synergies for wood production and environmental amelioration" to bring together the scientists/managers/conservationists/NGOs, etc. for exchanging their experiences and their future endeavors on the subject. Abstracts consisting of original research findings and comprehensive reviews on the following areas will be considered for presentation:

- * Resources, their management and GHG mitigation potential
- * Ecological implications, invasive species and biodiversity
- * Bio-energy and phyto-remediation
- * Marketing, stakeholders vision and capabilities

Eminent scientists in the respective fields will be contacted to make the presentations.

Tentative Programme

Feb.10, 2011: Registration, inauguration & technical session

Feb.11, 2011: Technical sessions including poster session & concluding

Feb. 12, 2011: Symposium tour to Amritsar and Wagha border

Venue: Punjab Agricultural University, Ludhiana. City is well connected through bus and train with rest of the country. Direct flights from New Delhi are also available. The weather during February is normally remains pleasant and light woollens are required.

Collaborators: Department of Forestry & Natural Resources, PAU Ludhiana, Benwood and Indian Council of Forestry Research and Education, Dehradun.

Submission of abstracts

Intending participants are invited to submit one page abstract (s) of their presentation (oral/poster) in English on broad areas of symposium for presentation at the symposium. Abstract along with registration form may be sent via speed post, fax or email before December 25, 2010. Please provide the following information in the abstract:

- *Title of paper
- *Author (s) – underline the name of presenting author
- *Affiliations of author (s)
- *Abstract (300-350 words)
- *Key words (4-5)

Abstracts will be reviewed by the panel of experts. The principal author will be intimated the status by January 15, 2011. All the selected abstracts will be included in the abstract booklet. Full paper must be submitted on or before February 10, 2011 (hard copy, and soft copy or email; Font: Times New Roman; Font size: 12). Kindly stick to the dates. Papers will be published after following the necessary review process. Professional societies

besides reputed publishers will be contacted for publication of papers. All the posters and oral presentations will be uploaded on website (www.benwood.eu) immediately after the symposium. Your correspondence through Email (chauhanpau@rediffmail.com) will be appreciated. Necessary guidelines for oral and poster presentation will be conveyed separately to the presenters.

Registration Fee (non-refundable/non-transferable)

Foreign participants

Annex I countries US\$ 500

Non-Annex I countries US\$ 200

National participant Rs 1500

Accompanying person/student Rs 750

Payment may be made in cash or in the form of demand draft addressed to the **Comptroller, PAU Ludhiana** (payable at State Bank of India at Ludhiana, India). Organizers will provide local transport, boarding & lodging in University guest houses and printed material. Accompanying person will not get registration material. Organizers will not bear the hotel expenses but render assistance for reservation of accommodation in hotel. Students have to produce their identity proof to avail the concession in registration fee. Limited funds will be available to meet the travel cost of the participants but subject to their registration in the symposium. Please convey your travel plan/confirmation of participation by February 1, 2011.

For Registration, please furnish the following information

Registration form

Name of the Participant:

Designation:

Postal Address:

Ph.:

Fax.:

Email:

Sex (M/F):

Title of presentation:

Type of presentation (oral/poster):

Number of accompanying person(s):

Demand draft No.

Date

Accommodation required

Yes/No

If yes, university guest house or hotel, Please specify

Interested in post-symposium tour

Yes/No

Dated

Signature

Kindly send duly filled in registration form to the organizing secretary.

Symposium organizing secretary

Sanjeev K. Chauhan, Assoc. Professor (Forestry)

(Coordinator, IUFRO 1.03.03)

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