



BENWOOD

Coordinated actions in support of sustainable and eco-efficient short rotation forestry in CDM/JI countries

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BENWOOD (www.benwood.eu)

Benwood is a research project under the 7 Framework Programme of the European Union and is funded by the European Commission. Benwood promotes the exchange of experiences and practices among researchers and project developers in the area of short rotation forestry.



Project Funding:

1 Million Euro
(PAU share: 62,658 EURO)

Research area: Forest Energy – Short Rotation Forestry as a sustainable and eco-efficient land use management system for fossil fuels substitution within CDM-projects.

Project duration: April 2009 – August 2011

BENWOOD partners: 14 partners (10 from European countries and one each from Brazil, China, India and Kenya)

Partners





Objectives

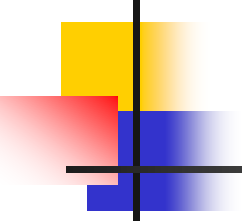
Coordinating SRF and land use management research with regards to short, mid and long term issues involving European and non-European experts.
Developing SRF guidelines and standards for land use management.

The project first assesses the state of the art of SRF as a biofuel source in CDM and JI countries (wp1) focuses on CDM countries (wp2) and links the project to current European and non-European R&D-activities in the area (wp3).

SRF guidelines and standards for land use management (wp4) for farmers and European JI/CDM project developers as well as stakeholders from the energy and biomass sector (electric utilities, pulp & paper, fibreboard etc.)

SRF R&D agenda (wp5) for researchers and industry (boiler, oven, chipper, press producers, etc.)

Dissemination of information (Wp6)

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- What to get from this project, how to link to it
 - 1. Guidelines
 - 2. Research Agenda
 - 3. Benwood DVD
 - 4. Stakeholder Advisory Panel

Project deliverables

- 1) Best Practices** : A description of practices focusing on Short Rotation Forestry in Europe and CDM countries.
- 2) Profitability analysis ('business model')** : A synopsis of differences between developing and industrialized countries together with case studies on different business models. Sheds light also on the economic importance of annual crops in agroforestry systems.
- 3) Guidelines** : A synthesis of the essentials of short rotation forestry for project developers
- 4) Land use management standards:** A description of the conflict between growing trees on agricultural fields and food production with a focus on African case studies
- 5) Report on cooking stoves:** An overview on the relevance of the efficiency of small cooking stoves based on wood fuel.
- 6) Report on charcoal production** :A document on charcoal making. Charcoal is one of the main cooking fuels in many developing countries.
- 7) CDM specifics:** A document which outlines the characteristics of countries which may host the so called 'CDM projects' with regard to short rotation forestry (traditionally these countries are developing countries)
- 8) Research Agenda on Short Rotation Forestry:** A document on the most pressing research issues in the sector
- 9) CO2-reduction potential by Short Rotation Forestry:** Potential of SRF for carbon sequestration
- 10) Dissemination material:** Leaflet, brochure, DVD, etc.
- 11) Miscellaneous activities:** Benwood Book, Black board - Research Questions, Thesis topics, Stakeholders advisory panel, etc.



LINKS

<http://www.energieautark.eu/benwood-pm/index.php>

- This website is dedicated to the internal project management.
- The public website of the project is www.benwood.eu

Follow up after termination of project: Every possible information will be available at SREN-Sustainable rural energy network under ESCORENA (www.escorena.net) of FAO

IMPORTANT ACTIVITIES



IUFRO symp. Ludhiana: *Short Rotation Forestry: Synergies for Wood Production and Environmental Amelioration*, 10-12 February 2011



IUFRO-SPDC Ludhiana: *"Training Workshop on Forest Science Policy Interfacing"* (post-symposium), 13-14 February 2011 (12 country participants attended the symposium and training - sponsored by IUFRO, Benwood and ICFRE).



Special issue of Indian Journal of Ecology on SRF (2011)

C-05 session: Short rotation forestry for livelihood security, energy and carbon sequestration in the **XXIII IUFRO World Congress "Forest for the Future: Sustaining Society and the Environment"** at Seoul, Republic of Korea August 23 -28, 2010



Session moderated by **Sanjeev Chauhan** (Indian project Partner cum IUFRO SRF section co-ordinator) and Fifteen presentations were made including four oral presentations by the BENWOOD project partners.

Awareness meetings



Ludhiana Campaign: Stakeholders Workshop on Short Rotation Forestry for Bio-energy, India 21st July 2010



Farmers and Students Awareness Campaign on Biomass for Bioenergy, India, 11th June 2010

Webinar

CDM Afforestation and Reforestation projects: Understanding current barriers and finding solutions via simplifications (17th November, 2010)

Moderator

Thomas Lewis

Director, energieautark consulting gmbh
Benwood project coordinator

Panelists

Wojtek Galinski

Team Lead, Methodologies Unit, Sustainable Development Mechanisms
United Nations Framework Convention on Climate Change (UNFCCC) - secretariat

Harshkumar D Kulkarni

Vice president (Plantation) ITC Limited Paperboards & Speciality Papers Division
Unit: Bhadrachalam, India

Assefa Tofu

World Vision Ethiopia, Addis Ababa, Ethiopia

Fábio Nogueira de Avelar Marques

Carbon Project Manager, Plantar Group Ltd, Brazil
Benwood project partner



Presentations and recording available at www.benwood.eu

International conferences cum project meetings



International workshop on "Short Rotation Forestry Potential in Energy Utilization and Carbon Trade" at Beijing, China w.e.f. 26th to 28th April 2010.



Final International public conference

20 - 22 June 2011 Barolo (Torino) Italy

**Short Rotation Forestry
and Agroforestry: an exchange
of experience between CDM countries and Europe**

Mid-review and final project meetings were organized at Beijing, China and Barolo, Italy, respectively

How to participate in modern information networks on agriculture and renewable energy

Friday 17 June 2011, FAO regional office in Budapest, Hungary



The highlight of the meeting was an official launch of the Sustainable Rural Energy Network (SREN), one of the [ESCORENA](#) networks, that will be used as a platform to continue the exchange of information within the area of forestry, agroforestry and short rotation forestry after the end of the Benwood project.

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Thanks

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IUFRO Coordinator Short Rotation Forestry (1.03.00)
IUFRO Taskforce member Forest Bioenergy