



COST Action “Forest Energy”

“Development and harmonisation of new operational research and assessment procedures for sustainable forest biomass supply”

**COST Training School – System Analysis in Biomass Utilization
BOKU University, Vienna, June 6th-12th, 2010**

Objectives:

COST Training Schools give young scientists a focused and multi-disciplinary platform to access the highest level of expertise from leaders in their field. Students will be capable to use analytical skills in identifying, analyzing and making recommendations regarding complex wood chip supply management problems.

Programme:

Monday	0900-1800 Prof. Stampfer Prof. Erler	Excursion – Wood chip supply chains <ul style="list-style-type: none"> Demonstrate different wood chip supply chains Introduce an approach to describe and document the structure of a specific supply chain (symbolic representation) Apply these concepts
Tuesday	0800-1200 1300-1700 Prof. Heinimann Prof. Stampfer	Conceptualize, analyze, verify, validate, and apply models to describe both the structure and the behavior of a wood chip supply chain management system <ul style="list-style-type: none"> Identify the decisive process attributes (typical representative figures, eg. productivity, availability, etc.) Develop a flow model of the process-network captured on Monday Develop a quantitative input-output model of the whole process network (EXCEL) Present solutions Analyze sensitivity of process parameters Identify opportunities for improvement
Wednesday	0800-1200 Prof. Visser Dr. Spinelli	Conceptualize, design, run, analyze, and critically review an operational biomass field study <ul style="list-style-type: none"> Select one or two processes for study Develop a study design and data collection concept Present concept
	1300-1800 Prof. Visser, Dr. Spinelli	Excursion - Organization of a field study (observational study) <ul style="list-style-type: none"> Organize data gathering
Thursday	0800-1300 Prof. Visser Dr. Spinelli N.N	Conceptualize, design, run, analyze, and critically review an operational biomass field study <ul style="list-style-type: none"> Based on a standard data set (to be provided by the organizers) Develop a productivity model (Excel or R)
	1400-1800 Prof. Stampfer	Excursion – Terminal and CHP plant
Friday	0800-1300 Prof. Asikainen N.N	Conceptualize, analyze, model, and solve biomass decision problems by using optimization and simulation techniques and tools <ul style="list-style-type: none"> Develop a simulation model in WITNESS Present results
	1400-1500 Prof. Stampfer Prof. Asikainen Prof. Spinelli Prof. Visser	Evaluation

Who can participate?

The Training school is mainly aimed at Ph.D. students and young scientists in the field of forest biomass for energy. However, other applicants are also encouraged to apply for the training school.

Participants will get a certificate for the participation in the course and ECTS credits will also be awarded.

Financial Support:

The living and travel expenses of thirty participants of the school will be reimbursed to the amount of up to 800 Euros depending on geographic location and travel required to attend the Training School.





Application procedure:

The interested students and young scientists who wish to attend the Training School must send the following information by April 15th, 2010 to the Action Chair Dominik Röser (dominik.roser@metla.fi):

- Curriculum Vitae
- Short description on the statistical background of the applicant

The Cost Action Management Committee will choose a maximum of 30 students that will be able to participate in the Training School. Applications from female Ph.D. students and young scientists are strongly encouraged and in the case of similar qualifications women are preferred.

As of February 2010 25 European countries and 6 countries outside Europe have joined COST Action FP0902. And there are more to come!

More information about the COST Action can soon be found at:

www.forestenergy.org

We encourage all interested scientists to make use of this great opportunity!!!

Deadline for applications is April 15th, 2010

For more information please contact the Local Organizer or the Chair of the Cost Action:

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