

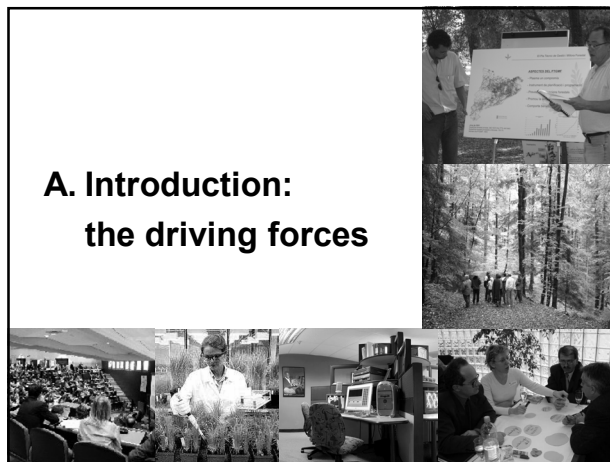
Video Conference TEMPUS PROJECT
 "Training, Networking and Capacity Building for
 Sustainable Forestry in Povolgie"
 25 March 2009

SUFONAMA, SUTROFOR AND OTHER INTERNATIONAL MASTER COURSES: Problems and challenges for the forestry sector in Europe

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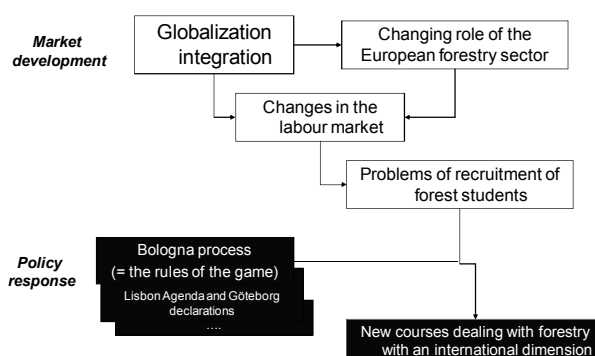
A. Introduction: the driving forces



Outline

- A. Introduction: the driving forces
- B. Recent experiences in internationalization of forest teaching
- C. Problems of governance
- D. Conclusions

Introduction: the driving forces of teaching internationalization



Towards an European Higher Education Area

"Higher education has been undergoing major changes in the past few years.

Comparability, compatibility of studies, co-operational activities and wide access to education have been the key ideas of educational strategies and discussions.

The focus is on an open and dynamic European educational area and finally better competence in global educational markets" (e.g. COM(1999)750)

Liisa Tahvanainen, 2003

What is the Diploma Supplement?

- The **Diploma Supplement (DS)** is a document attached to a higher education diploma aiming at improving international 'transparency' and at facilitating the academic and professional recognition of qualifications (diplomas, degrees, certificates etc.). It is designed to provide a description of the nature, level, context, content and status of the studies that were successfully completed by the individual named on the original qualification to which this supplement is appended. It should be free from any value-judgements, equivalence statements or suggestions about recognition. It is a flexible non-prescriptive tool which is designed to save time, money and workload. It is capable of adaptation to local needs.
- The DS is produced by national institutions according to a template that has been developed by a Joint European Commission - Council of Europe - UNESCO working party that tested and refined it.
- The DS is composed of eight sections (information identifying the holder of the qualification, information identifying the qualification, information on the level of the qualification, information on the contents and results gained, information on the function of the qualification, additional information, certification of the Supplement, information on the national higher education system).
- A description of the national higher education system within which the individual named on the original qualification graduated has to be attached to the DS. This description is provided by the National Academic Recognition Information Centres (NARICs) www.enic-naric.net

Main Bologna action lines

- Qualifications Frameworks: **Three-Cycle System** (3+2+3)
- Double degree → Joint Degrees
- **Mobility Recognition** (Council of Europe/UNESCO Convention on the Recognition of Qualifications concerning Higher Education in the European Region - Lisbon Recognition Convention)
 - European Credit Transfer and Accumulation System (ECTS)
 - Diploma Supplement (DS)
- **Quality Assurance**:
 - European Quality Assurance Register for Higher Education (EQAR) set up on March 2008
 - European Standards and Guidelines for Quality Assurance in Higher Education
- **Employability and Lifelong Learning**
 - European Universities' Charter on Lifelong Learning (2008)
 - European Association for University Lifelong Learning

<http://www.ond.vlaanderen.be/hogeronderwijs/bologna/ActionLines/index.htm>

B. Recent experiences in internationalization of forest teaching



- a. Multilateral international programmes
- b. Bi-lateral international programmes
- c. International programmes (single institution)
- d. Short international courses

Erasmus Mundus Programme

- About 100 selected International MSc

7 MSc in agricultural and forestry sciences

- AGRIS MUNDUS – Sustainable Development in Agriculture Masters Course
- European Master in Animal Breeding and Genetics (EM-ABG)
- IMRD – International Master of Science in Rural Development
- International Master "Vintage" – Vine, Wine and Terroir Management
- MSc EF – Master of Science in European Forestry
- SUFONAMA – Sustainable Forest and Nature Management
- SUTROFOR – Sustainable Tropical Forestry Erasmus Mundus Masters Course

a. Multilateral international programmes

- Erasmus Mundus (5 editions):
 - MSc in European Forestry
 - MSc SUTROFOR
 - MSc SUFONAMA
- Tempus programme
 - MSc ENARECO
 - MSc FORPEC
 - (MEDFORMAN - MSc on MEDiterranean FORest ecosystems MANAGEMENT)
- Other initiatives:
 - MSc Forestry and Environmental Engineering
 - MSc FOPER (2 editions)
 - MSc EUROFORESTER

MSc in European Forestry

- A 2-year (120 ECTS) **double-degree** Masters Course co-organized by the following 6 European universities:

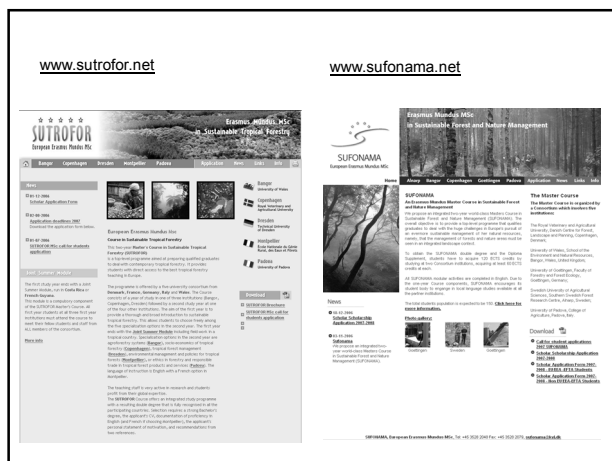
- ✓ University of Freiburg, **Germany**
- ✓ University of Natural Resources and Applied Life Sciences, Vienna (BOKU), **Austria**
- ✓ University of Lleida, **Spain**
- ✓ University of Joensuu, **Finland** (Co-ordination)
- ✓ Swedish University of Agricultural Sciences, **Sweden**
- ✓ Wageningen University, **The Netherlands**



- In partnership with 3 non-European universities:

- ✓ University of KwaZulu-Natal, **South Africa**
- ✓ Federal University of Parana, **Brazil**

Javier Arevalo, Silva Conference, 2008



MSc FOREst Policy and EConomics - FORPEC

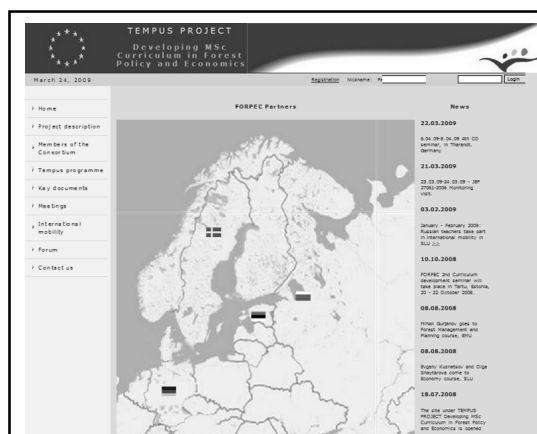
- Start up in Dec 2007
- Objective: to launch in Sept 2009 a MSc programme on modern forest policy and economics at the State Forest Technical Academy in St.Petersburg

MSc Environmental and Nature Resources Economics - ENARECO




- ENARECO (Environment and NATural REsource EConomics): a post-graduated study program at Ukrainian State University of Forestry & Wood-Technology in Lviv.
- Launched on 1 September 1998 with the assistance of University of Freiburg, Gent and Padova

<http://www.enareco.narod.ru/frame.htm>



<http://www.forpec.ftacademy.ru/>

MSc Forestry and Environmental Engineering



- A two-year MSc programme in Forestry and Environmental Engineering
- Starting in autumn 2007
- Five partner universities:
 - University of Joensuu
 - University of Helsinki
 - Lappeenranta University of Technology
 - Petrozavodsk State University
 - St. Petersburg State Polytechnical University

Lauri Valsta, Outi Orenius, Silva Conference, 2007
http://www.joensuu.fi/metsatdk/opiskelu/CBU_FEE.html

CBU Studies Characteristics

- CBU element characteristics
 - Courses in another country
 - Virtual mobility through distance learning
 - Visiting instructors
 - Joint intensive courses
 - Supervision from another country
 - Project work or internship in another country
- Instruction in English or Russian
- More info: <http://www.joensuu.fi/cbu/forestry.htm>

Lauri Valsta, Outi Orenius, Silva Conference, 2007

CBU Studies Structure

- Courses in home university (48 – 62 ECTS)
- Joint, compulsory CBU courses (23 ECTS)
- Elective courses (6 – 28 ECTS)
- Applied period (12 ECTS)
 - Project work or internship
 - Home or visit university, company, public sector, NGO
 - Preference for foreign work
- Thesis (30/40 ECTS)
 - Joint supervision from two universities recommended
 - Topic should be relevant in both countries
- A minimum of 60 ECTS with a CBU element

Lauri Valsta, Outi Orenius, Silva Conference, 2007

MSc Forest Policies and Economics - FOPER

- The Forest Policy and Economics Education and Research (FOPER) started in 2004; now in the second phase
- Funded by Ministry for Foreign Affairs of Finland.
- Implementing agency: European Forestry Institute
- Aims: strengthening the capacity of modern forest policy and economics education, training and research in the Western Balkans region.
- Actions: an international MSc course (now in the 2nd edition) and a continuous professional development programme for professionals.
- In addition, policy-relevant forest research has been supported and promoted, and mechanisms for linking science and policy will be established

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Forest Policy and Economics Education and Research - FOPER

Welcome to FOPER website! Here you can find information on the project as well as contact details to project personnel. Please use the menu on the left.

The site is still under construction, and not all links are working. For further information about the project, please contact the Project Coordinator Mr. Tarmo Tuomajoki or the Vice Coordinator Ms. Mari Pitkanen (firstname.lastname@efi.int).

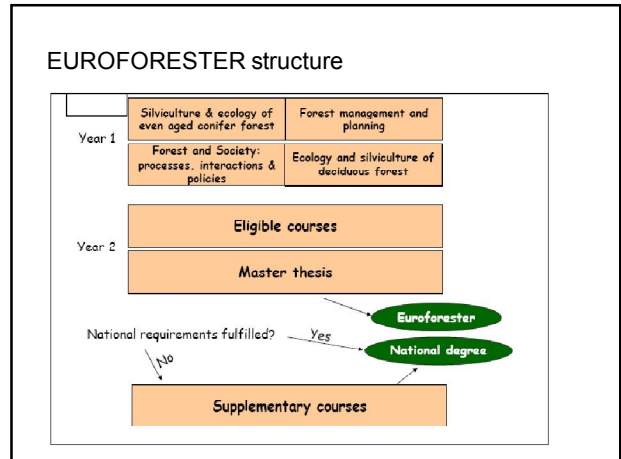
NEWS

- In total, 24 students started in the Master's Program in forest policy and economics in the beginning of March 2007 at the Faculty of Forestry in Sarajevo.
- New contact information: all e-mail addresses are now formal firstname.lastname@efi.int. Also telephone numbers have changed.
- Within the framework of FOPER project, participating in international forest policy and economics events is supported by giving out grants. See the announcement in new window

FOPER

- Project
- Expected results
- Project management
- Partners
- Reports and minutes
- Contacts

<http://www.efi.int/portal/project/foper/>



EUROFORESTER

MSc in Forestry for International Students

euroforester
An international MSc programme in forestry for international students

International career in forestry

Welcome to one of Europe's foremost master programs in forestry. The euroforester MSc programme is designed to help you progress in the industry, but also to take your education closer to you. It is a cooperation between some of Europe's finest universities. Beginning in October, Sweden and participating at any of the participating universities.

Partner Universities

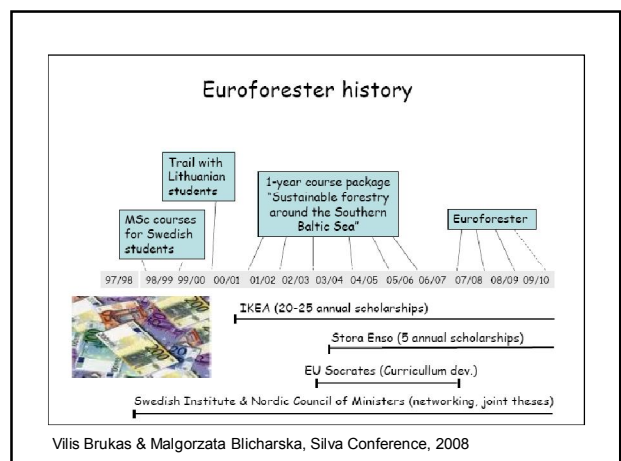
There are some quotes from people in the field:

"Close contact with the forest industry and leading edge research"

"Education with international outlook"

Socrates

<http://www.euroforester.org/index.html>



Programme for international students

	2001	2002	2003	2004	2005	2006	2007	Total
Poznan	4	3	3	3	4	4	3	24
Warsaw	2	3	3	3	3	4	4	22
Estonia	5	4	5	5	2	5	4	30
Latvia	5	4	4	5	4	3	3	28
Lithuania	4	6	5	3	4	2	4	28
Petrozavodsk			1	1	1	2	3	6
St. Petersburg			1	2	3	2	2	10
Moscow			1	4	3	4	2	14
Ukraine				3	3	3	5	14
total	20	20	23	29	27	29	30	178



Around 30 students from other countries & continents

Sweden ~ 40
Germany ~ 20

Vilis Brukas & Malgorzata Blicharska, Silva Conference, 2008

ENGREF (Nancy) and University of Freiburg study course

- a bi-national study course
- begin of the studies in the home country - end at the partner university
➔ with the two diplomas
- Studies in the country's language
- patronage of the German-French University of Saarbrücken



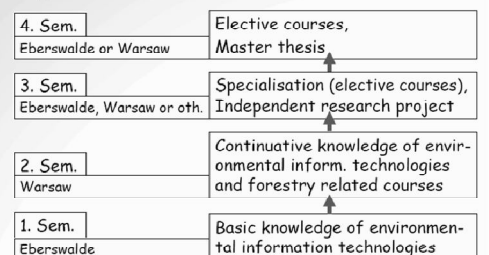
Marion Jay, Silva conference, 2007

b. Bilateral international programmes

- The ENGREF (Nancy) and University of Freiburg study course (double degree)
- MSc on Forest Information Technology by Univ. of Applied Sciences of Eberswalde and Univ. of Warsaw

Univ. of Applied Sciences of Eberswalde and Univ. of Warsaw MSc on Forest Information Technology

Program structure




Michael Mussong, Silva Conference, 2007






c. International programmes (single institution, with international teachers)

- Univ. of Applied Sciences of Eberswalde MSc in Global Change Management
- TUM Munchen MSc in Sustainable Resource Management
- Univ. of Wales MSc Agroforestry and MSc Forest Ecology and Management
- Univ of Freiburg MSc Forest Ecology and management
- Joensuu University International Study Programme in Environmental Science and Forestry (1 yr)
- ...

Univ. of Applied Sciences of Eberswalde MSc in Global Change Management

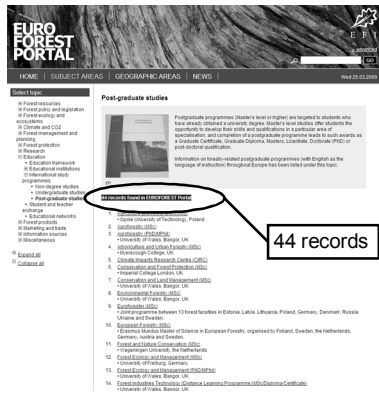


interdisciplinary education offer with its main focus on a proactive sustainable management of natural resources under the global environmental change processes

Aim: to train specialists who are able to effectively contribute to the mitigation of and adaptation to the drastic effects of Global Change

Michael Mussong, Silva Conference, 2007



EURO FOREST PORTAL

HOME | SUBJECT AREAS | GEOGRAPHIC AREAS | NEWS | Wed 20.03.2008

Post-graduate studies

Postgraduate programmes (masters level or higher) are targeted to students who have already obtained a university degree. Students have studies the current the opportunity to enrich their skills and qualifications in a particular area of specialization, and completion of a postgraduate programme leads to earn awards as a Graduate Certificate, Graduate Diploma, Masters Certificate, Graduate MSc or post doctoral qualification.

Extensively and regularly updated postgraduate programmes (with English as the language of instruction) throughout Europe has been listed under this topic.

44 records

<http://forestportal.efi.int>

c. Short courses Summer/Winter Schools

- EC-funded IP
 - INNOTOOLS IP Course, Univ. of Suceava and others
 - ...
- Other cooperative short courses:
 - TUM (München)-Yale University "Indian Summer school"
 - Univ. Padova, EFI, Transilvania University of Brasov Winter School on "Voluntary tools for the implementation of environmental and social responsibilities in forestry"; Brasov, February 2006
 - ...
- Other short courses with an international audience (only few examples):
 - TUM (München) "Development and management of supply chain"
 - TUM (München) "Sustainability of forestry and the wood industry"
 - Univ. Padova, Winter School "Auditors training for SFM certification as a tool for CSR in the forestry sector"; S.Vito, February 2009
 - ...

Univ. Padova, EFI, Transilvania University of Brasov Winter School on "Voluntary tools for the implementation of environmental and social responsibilities in forestry"

The poster features logos for the University of Padova, European Forest Institute, and Transilvania University of Brasov. The title is "WINTER SCHOOL VOLUNTARY TOOLS FOR THE IMPLEMENTATION OF ENVIRONMENTAL AND SOCIAL RESPONSIBILITIES IN FORESTRY with special reference to the Balkan Region". The dates are "Brasov, February 26-28, 2006".

Objectives:
The Winter School will present the voluntary tools to implement environmental and social responsibilities of companies, non-profit organisations and institutions in the field of forest management, wood processing and trade.

CONTENT PROGRAMME (download pdf file - 100KB):

- Background
- Objectives & Contents
- Content programme & Download Program (download pdf file)
- School & Dates
- Location
- Costs
- Photos

There are three small images showing forest landscapes and a person working in a forest.

The poster is from Technische Universität München (TUM). The title is "Sustainability in Forestry and the Wood Industry".

Purpose:

- Teach the idea of (German) sustainability to the world.
- Maintain the network with international institutions and people.
- Attract possible PhD-candidates.

Main contents:
The principles of sustainability

Location, organiser:
TU München, Bavaria.

Martin Ziesak, Peter Biber, Michael Weber, Silva conference, 2007

The poster is from Technische Universität München (TUM). The title is "Indian Summer School".

Purpose:
Further education offer for our students with special interest in the US

Main contents:
Forest management, silviculture and forest politics in the US.

Location, organiser:
New Haven, Yale University, Yale Myers Forest; Connecticut, USA
Organised by chair of "Forest and Environmental Policy", TUM and Yale School of Forestry and Environmental Studies

Martin Ziesak, Peter Biber, Michael Weber, Silva conference, 2007

The poster is from Technische Universität München (TUM). The title is "Development and Management of Sustainable Supply Chains".

Purpose:

- Additional educational offer in a specific field for former students.
- Maintain the network with our alumni.

Location, organiser:
TU München, Bavaria; Bavarian enterprises.

Duration, financial aspects:
8 days.
Financial support through DAAD.
Limited to 25 participants.

Martin Ziesak, Peter Biber, Michael Weber, Silva conference, 2007

Univ. Padova, Winter School “Auditors training for SFM certification as a tool for CSR in the forestry sector”



University of Padova
International Winter Course
Auditors training for SFM certification as a tool for CSR
in the forestry sector
San Vito (Belluno - Italy); 23-28 February 2009

Programme	Course Objectives:
Structure	To present the techniques for the field of desk auditing aimed at SFM certification in the frame of the voluntary tools to implement environmental and social responsibilities of companies, non profit organisations and institutions operating in the forestry sector.
Objectives	Course outcomes:
Workshop	At the end of the course, the trainees will be familiar with the international standards related to forest resources management, relating to both accreditation of certification bodies and certification of forest management enterprises, and with certification body requirements for the certification of such enterprises.
Unit	The course builds on the idea that while certification body requirements are key for the success of a forest management audit, the trainee body auditors must gain a solid understanding of these requirements and of the requirements that form the basis of the whole certification system. This is why the theoretical part of the course focuses on the presentation of accreditation requirements, and on the clarification of concepts and definitions relating to forest certification, while the practical part, consisting of workshops, case studies, group exercises and individual work, focuses more on the certification body systems and their implementation in the field, in an audit situation.
	Territorial focus:
	Main reference will be to the problems of developing countries and countries in transition. Therefore more attention will be given to the Forest Stewardship Council (FSC) standards and auditing procedures, with some references to the Programme for the Endorsement of Forest Certification (PEFC) schemes related to single organisations and group certification.

Among the other, some main problems of governance

- Financial sustainability: how to survive after the start-up phase
- Students' entrance fees: no fair competition without a common policy
- Job placement monitoring
- Training need assessment
- ITC and distance learning: the grave of the old university or the cradle of a new one?
- Quality assurance: towards a system of European accreditation of MSc programmes

C. Problems of governance



Financial sustainability

MSc programmes	Problems

Financial sustainability

No one course stabilized as an international MSc long lasting programme.

Many positive impacts in terms of strengthening international relations ...
... but very high administrative and organizational costs

D. Conclusions



Venture capital per spin-off universitari

Primo bilancio operativo per TTventure, il fondo di investimento italiano dedicato agli spin-off universitari. In un anno i progetti d'investimento ricevuti sono stati 160, per il 30% veicolati dalle fondazioni bancarie e per il 70% dalle università. Il tasso di approvazione e finanziamento è stato del 2-3%. Ogni progetto viene analizzato sia sotto il profilo scientifico che imprenditoriale e finanziario, con uno staff di trenta specialisti provenienti dal mondo della ricerca industriale ed accademica.

Tra le modalità di intervento c'è **TTSeed**, una modalità presente nei grandi atenei mondiali come il MIT, ma poco nota nelle università italiane. TTSeed ha l'obiettivo di portare una nuova tecnologia allo stadio **prototipale**, in un periodo inferiore all'anno, con un importo massimo di investimento di 250mila euro. Se invece si tratta di far crescere start up già avviate, TTventure interviene con una logica di **development capital**, a supporto degli investimenti. Intanto, le università italiane generano pochissimi spin off, e anche quando sviluppano nuove imprese, queste generano fatturati modesti: il 74% è sotto i 500mila euro e pochi superano il milione (quanto un comune esercizio commerciale), a segnalare un contesto poco favorevole e poco orientato a fini extra accademici

Some conclusions (1/2)

- Remarkable progress towards a common European educational area (Bologna process)
- A leading role of Scandinavian forest schools (DK, FIN, S)
- Focus on forest economics and policies
- Many initiatives related to the assistance of CIT

Some conclusions (2/2)

- With a continuous process of integration, new challenging problems to be considered: the (forest) world is changing: we are changing, but are we changing in the right direction?



This presentation can be downloaded from:

<http://www.tesaf.unipd.it/pettenella/>