



EUROPEAN FOREST INSTITUTE

ANNUAL REPORT 2010

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SUPPLEMENT

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# ASSOCIATE AND AFFILIATE MEMBERS OF THE EUROPEAN FOREST INSTITUTE

December 2010

## **Austria**

- Austrian Federal Research and Training Centre for Forests, Natural Hazards and Landscape
- University of Natural Resources and Life Sciences, Department of Forest- and Soil Sciences

## **Belgium**

- Research Institute for Nature and Forest
- University of Liège, Gembloux Agro-Bio Tech

## **Bosnia and Herzegovina**

- Faculty of Forestry, University of Banja Luka
- University of Sarajevo, Faculty of Forestry

## **Bulgaria**

- Forest Research Institute, Bulgarian Academy of Sciences
- University of Forestry, Sofia

## **Canada**

- Natural Resources Canada, Canadian Forest Service\*

## **Croatia**

- Croatian Forest Research Institute
- University of Zagreb, Faculty of Forestry

## **Czech Republic**

- Czech University of Life Sciences Prague, Faculty of Forestry and Wood Sciences
- Forest Management Institute
- Forestry and Game Management Research Institute
- Institute of Forest Ecosystem Research Ltd.
- Mendel University in Brno, Faculty of Forestry and Wood Technology

## **Denmark**

- Forest and Landscape, University of Copenhagen

## **Estonia**

- Estonian University of Life Sciences

## **Finland**

- Finnish Environment Institute (SYKE)
- Finnish Forest Research Institute
- Forestry Development Centre Tapio
- Indufor Oy
- Metsähallitus
- Metsämiesten Säätiö
- Metsäteho Oy – R&D operations in forestry
- North Karelia University of Applied Sciences
- Pellervo Economic Research Institute PTT
- Stora Enso Wood Supply
- University of Eastern Finland
- University of Helsinki, Department of Forest Sciences

## **France**

- AgroParisTech – ENGREF, The Nancy Centre
- Cemagref
- ECOFOR

- European Institute for Cultivated Forests (IEFC)
- French Institute of Technology for forest based and furniture sectors (FCBA)
- INRA, Dept of Forests and Forestry Products
- Institute for Forestry Development (IDF)
- Office National des Forêts (ONF)

## **Germany**

- Center of Forestry, Weihenstephan
- Department of Forest Sciences, Dresden University of Technology
- Federal Research Institute of Rural Areas, Forestry and Fisheries, Johann Heinrich von Thünen Institute
- Forest Research Institute of Baden-Württemberg
- Potsdam Institute for Climate Impact Research
- State Enterprise for forestry and timber
- University of Applied Sciences Eberswalde
- University of Freiburg, Faculty of Forest and Environmental Sciences
- University of Göttingen, Faculty of Forestry

## **Greece**

- Aristotelian University of Thessaloniki, Faculty of Forestry and Natural Environment
- Technological Education Institute of Kavala, Department of Forestry and Natural Environment Management at Drama

## **Hungary**

- Forest Research Institute, Budapest
- University of West Hungary, Faculty of Forestry

## **Iceland**

- Iceland Forest Service

## **Ireland**

- COFORD – National Council for Forest Research and Development
- Coillte
- Forest Service, Department of Agriculture, Fisheries and Food
- UCD School of Biology and Environmental Research, Agriculture and Food Science Centre

## **Italy**

- Department of Agro-forestry Systems and Land Use, University of Padova
- Forest and Range Management Research Institute
- Institute of Agro-environmental and Forest Biology
- Italian Academy of Forest Sciences
- University of Molise
- University of Tuscia

## **Japan**

- Forestry and Forest Products Research Institute\*

## **Latvia**

- Latvian State Forest Research Institute “Silava”

**Moldova**

- Forest Research and Management Institute

**The Netherlands**

- Alterra
- Ministry of Economic Affairs, Agriculture and Innovation
- Wageningen University, Forestry Groups

**Norway**

- Norwegian Forest and Landscape Institute
- Norwegian University of Life Sciences, Department of Ecology and Natural Resource Management

**Poland**

- Faculty of Forestry, Poznan University of Life Sciences
- Forest Research Institute, Sekocin Stary
- Institute of Wood Technology
- Warsaw University of Life Sciences, Faculty of Forestry

**Portugal**

- Instituto Superior de Agronomia, Department of Forestry
- National Forest Research Station (EFN)
- School of Agricultural and Forest Sciences of Coimbra
- Universidade Católica Portuguesa

**Romania**

- Forest Research and Management Institute

**Russian Federation**

- All-Russian Research Institute of Silviculture and Mechanization of Forestry
- Centre of Sustainable Forest Management, Mari State Technical University
- Institute of Physicochemical and Biological Problems in Soil Science, Russian Academy of Sciences
- Moscow State Forest University
- Petrozavodsk State University
- Saint Petersburg State Forest Technical Academy

**Serbia**

- Faculty of Forestry, University of Belgrade
- Institute of Forestry, Belgrade
- Institute of Lowland Forestry and Environment

**Slovakia**

- National Forest Centre – FRI
- Technical University in Zvolen

**Slovenia**

- Slovenian Forestry Institute
- University of Ljubljana, Department of Forestry

**Spain**

- CREAM, Centre for Ecological Research and Forestry Applications
- Escuela Técnica Superior de Ingenieros de Montes (Forestry School)

- ForEco Technologies, S.L.
- Forest Research Centre (CIFOR-INIA)
- Forest Technology Centre of Catalonia
- Politechnical University of Valencia, Escuela Técnica Superior de Ingenieros Agrónomos
- University of Santiago de Compostela, Higher Polytechnic School of Lugo
- University of Valladolid, School of Agriculture, Food Technology and Forestry

**Sweden**

- Federation of Forest Owners
- Holmen Skog AB
- Linnaeus University
- Skogforsk – The Forestry Research Institute of Sweden
- Sveaskog
- Swedish Forest Agency
- Swedish University of Agricultural Sciences

**Switzerland**

- ETH Zürich, Institute for Terrestrial Ecosystems ITES
- Swiss Federal Institute for Forest, Snow and Landscape Research

**Turkey**

- Istanbul University, Faculty of Forestry
- Poplar and Fast Growing Forest Trees Research Institute

**Ukraine**

- Ukrainian Research Institute of Forestry and Forest Melioration

**United Kingdom**

- Bangor University, School of the Environment and Natural Resources
- Forestry Commission Research Agency, Forest Research

**United States**

- Pacific Northwest Research Station, USDA Forest Service\*
- University of Georgia, Center for Forest Business\*
- USDA Forest Service, Research & Development, Washington D.C.\*

**International bodies**

- Confederation of European Forest Owners (CEPF)
- Confederation of European Paper Industries (CEPI)
- European Confederation of Woodworking Industries (CeI-Bois)
- European Landowners' Organisation (ELO)
- International Forestry Students' Association (IFSA)
- Nordic Forest Research Co-operation Committee (SNS)
- Union of Foresters of Southern Europe (USSE)

\*Affiliate Members

124 member organisations

# BOARD OF THE EUROPEAN FOREST INSTITUTE IN 2010

Dr. José Antonio Bonet Lledós	Spain
Dr. Miroslav Benko	Croatia
Prof. Jim Lynch OBE	United Kingdom
Dr. Harald Mauser	Austria
Dr. Liisa Saarenmaa	Finland
Prof. Dr. Andrey Selikhovkin	Russian Federation (until 15 <sup>th</sup> of September 2010)
Prof. Dr. Jørgen Bo Larsen	Denmark
<i>Chairman of the Board as of 15<sup>th</sup> of September 2010</i>	
Prof. Konstantin von Teuffel	Germany
<i>Chairman of the Board until 15<sup>th</sup> of September 2010</i>	
Prof. Dr. Jean-Marc Guehl	France (as of 15 <sup>th</sup> of September 2010)
Prof. Dr. Michael Köhl	Germany (as of 15 <sup>th</sup> of September 2010)

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# SCIENTIFIC ADVISORY BOARD OF THE EUROPEAN FOREST INSTITUTE IN 2010

Prof. Dr. Bas Arts	The Netherlands
Prof. Kristina Blennow	Sweden
Prof. Americo Carvalho Mendes	Portugal
Dr. Emil Cienciala	Czech Republic
Prof. Dr. Carlos Gracia	Spain
Prof. Dr Hubert Hasenauer	Austria
<i>Chairman of the SAB</i>	
Prof. Michael Köhl	Germany
Prof. Marco Marchetti	Italy
Prof. Leena Paavilainen	Finland
Prof. Jean-Luc Peyron	France

# STAFF IN 2010

In 2010 107 staff members from 24 different countries worked at EFI Headquarters and Regional Offices EFIATLANTIC, EFICIENT-OEF, EFIMED, EFICEEC and EFINORD, thus contributing a total of 69 person-years to the institute's activities.

Risto Päivinen	Director	Finland
Gert-Jan Nabuurs	Assistant Director	The Netherlands

## Sustainability and Climate Change

Marcus Lindner	Head of Programme	Germany
Jeannette Eggers	Researcher	Germany
Michael den Herder	Researcher	The Netherlands
Pirjo Kakkonen	Project Administrator	Finland
Marja Kolström	Senior Researcher	Finland
Matias Pekkanen	Project Assistant	Finland
Tommi Suominen	Programmer/Developer	Finland
Hans Verkerk	Senior Researcher	The Netherlands
Diana Vötter	Senior Researcher	Germany
Terhi Vilén	Researcher	Finland
Wendelin Werhahn-Mees	Junior Researcher	Germany

Total person years: 7.73

## Markets and Socio-economics

Alexander Moiseyev	Senior Researcher	Russia
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Total person years: 1

## Policy and Governance

Ilpo Tikkanen	Head of Programme	Finland
Doni Blagojević	Project Officer	Bosnia
Margaret Shannon	Project Coordinator	USA

Total person years: 3.58

## FLEGT Facility

Ralph Ridder	Manager	Germany
Anne Anantom	Office Assistant	Malaysia
Didier Devers	Governance Expert	Belgium
Ya Gao	Technical Junior Officer	China
John Hudson	Senior Advisor	UK
Tiina Joutsenvaara	Administrative Officer	Finland
Hanna-Kaisa Jussila	Administrative Assistant	Finland
Aimi Lee	Policy Analyst	Malaysia
Jussi Lounasvuori	Legality Assurance System Expert	Finland
Valérie Merckx	REDD Expert	Belgium
Melissa Othman	Forest Governance Expert	USA
Nisha Santhar	Communications Junior Officer	Malaysia
Jade Saunders	Policy Analyst	UK
Thomas Pichet	Legality Assurance System Expert	France
Tom ter Horst	Communications Officer	The Netherlands
Tomi Tuomasjukka	Operations Manager	Finland
Vincent van den Berk	Programme Coordinator	The Netherlands
Niina Verkerk	Administrative Manager	Finland
Jussi Viitanen	Governance Expert	Finland
Lena Yadlapalli	Communication Expert	Germany

Total person years: 14.91

### **Foresight and Information**

Tuula Nuutinen	Head of Programme	Finland
Tim Green	Researcher	UK
Katja Gunia	Researcher	Germany
Elias Hurmekoski	Research Assistant	Finland
Päivi Pelli	Researcher	Finland
Jo Van Brusselen	Senior Researcher	Belgium
Simo Varis	Programmer	Finland
Sergey Zudin	Senior Programmer	Russia
Elena Zudina	Programming Assistant	Russia
Total person years: 5.8		

### **RESEARCH SUPPORT**

#### **Administration team**

Kirsi Loisa	Head of Administration	Finland
Anssi Auvinen	Administrative Assistant	Finland
Jerker Brolén	Legal Counsel	Sweden
Petri Hukka	IT Support Officer	Finland
Virve Huovinen	Acting Administrative Officer	Finland
Arto Lemettinen	IT Support Assistant	Finland
Mari Lepikkö	Administrative Officer (on leave)	Finland
Emi Pesonen	Human Resources Manager	Japan
Paula Ratinen	Accounting Assistant	Finland
Riitta Sorri	Office Assistant	Finland
Tiia Viitamäki	Human Resources Officer	Finland
Total person years: 8.01		

#### **Communications team**

Anu Ruusila	Head of Communications	Finland
Satu Ikonen-Williams	Communications Officer	Finland
Maria Jalavisto	Communications Assistant	Finland
Minna Korhonen	Managing Editor	Finland
Henna Snellman	Membership Liaison Officer	Finland
Vänttinen Ulla	Event & Project Officer	Finland
Total person years: 5.49		

#### **R & D Support team**

Leena Roihuvuo	R&D Support Manager	Finland
Katriina Pajari	R&D Administrator	Finland
Jarkko Heikkinen	Administrative Officer	Finland
Total person years: 2.36		

#### **Atlantic European Regional Office – EFIATLANTIC**

Christophe Orazio	Head of Office	France
Claudia Antoniotti	Administrative Assistant	Portugal
Marie-Pierre Reviron	Research Assistant	France
Francisco Ureña Lara	Junior Researcher	Spain
Luisa di Lucchio	Junior Researcher	Italy
Total person years: 2.77		

#### **Central-East European Regional Office – EFICEEC**

Bernhard Wolfslehner	Head of Office	Austria
Filip Aggestam	Researcher	Austria
Saana Tykkä	Researcher	Finland
Gerhard Weiss	Work Area Leader	Austria
Total person years: 2.67		

**Central European Regional Office and the Observatory for European Forests – EFICIENT-OEF**

Andreas Schuck	Head of Office	Germany
Aljoscha Requardt	Observatory Manager	Germany
Tanya Baycheva	Research Assistant	Bulgaria
Ibrahim Favada	Researcher	Liberia
Hubert Inhaizer	Forest/Environmental Policy Expert	Hungary
Paul Rougieux	Research and Administrative Assistant	France
Michaela Spielmann	Researcher	Germany
Karoline Öhler	Research Assistant	Germany

Total person years: 6.33

**Mediterranean Regional Office – EFIMED**

Marc Palahí	Head of Office	Spain
Elena Gorriz	Administrative Officer	Spain
Beatriz Lucas	Researcher	Spain
Robert Mavsar	Senior Researcher	Slovenia
Mercedes Rois	Administrative Officer	Spain
Elsa Varela	Research Assistant	Spain

Total person years: 5.21

**North European Regional Office – EFINORD**

Mika Mustonen	Head of Office	Finland
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Total person years: 0.75

**Foundation for European Forest Research Grants**

Sabaheta Ramcilovic-Suominen	Scholarship Researcher	Macedonia
Zhengyang Hou	Scholarship Researcher	China
Ruben Valbuena	Scholarship Researcher	Spain

**EFI Scholars**

Sergey Lezhnin	Foresight and Information	Russia
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**Trainees**

Sofie Blanchart	EFICIENT-OEF	France
Christian Jürgenssen	Markets and Socio-economics	Denmark
Saija Karvonen	Sustainability and Climate Change	Finland
Matthias Lameris	FLEGT Asia	The Netherlands
Viktoria Mazaeva	Administration	Russia
Hoang Phuong	EFICIENT-OEF	Vietnam
Jan Schulte	FLEGT Asia	The Netherlands
Vahagn Stepanian	EFICIENT-OEF	France
Anna Stier	EFICIENT-OEF	German
Tiantian Tang	Sustainability and Climate Change	China
Marjut Turtiainen	Foresight and Information	Finland
Niina Valbuena	R&D Support	Finland
Duan Yanfei	FLEGT Asia	China

# EFI PROJECTS 2010

## ■ SUSTAINABILITY AND CLIMATE CHANGE PROGRAMME

### **EFORWOOD – Tools for Sustainability Impact Assessment of Forestry-Wood Chain** (CONTRACT NUMBER 518128-2)

The EFORWOOD project aims to produce a decision support tool that can be used to evaluate the contribution made to sustainable economic, environmental and social development by and through the European forestry and forest-products sector. Both Programmes Sustainability and Climate Change and Foresight and Information are involved in the project. The task of EFI's Programme Sustainability and Climate Change is to co-ordinate the central module of the project, "Sustainability Impact Assessment", in which the common framework and tool for the Sustainability Impact Assessment (ToSIA) will be developed. The Programme Foresight and Information is active in the "Knowledge Transfer Module" of the project and one of its tasks is to produce a user-friendly version of the ToSIA tool.

EFI'S ROLE: PARTNER. | 2005–2010 |

### **EXIOPOL – A New Environmental Accounting Framework Using Externality Data and Input-Output Tools for Policy Analysis** (CONTRACT NUMBER GOCE 037033)

EXIOPOL is an Integrated Project that aims to develop estimates of external costs of a broad set of economic activities for Europe and to set up a detailed environmentally extended (EE) Input-Output (I-O) framework including these estimates, in order to apply the results of this analysis to address policy questions. EFI is coordinating the identification of sources of forest externalities and is responsible for estimating linkages between these sources and their final impacts. The Programme Sustainability and Climate Change and Regional Office EFIMED are involved in this project.

EFI'S ROLE: PARTNER. | 2007–2011 |

### **Northern ToSIA – Assessing Sustainability of Forest-based Activities in Rural Areas of the Northern Periphery**

(CAV NUMBER 304-6811-2008)

The aim of the project is to investigate options for improving the sustainable use of forest resources in selected regions of the Northern Periphery Programme (NPP) area in Finland, Sweden, Scotland and Norway by using an innovative sustainability impact assessment tool, ToSIA.

EFI'S ROLE: CO-ORDINATOR. | 2008–2011 |

### **AquaTerrE – Integrated European Network for Biomass and Waste Reutilisation for Bio-products**

(GRANT AGREEMENT NUMBER 212654)

The main aim of the AquaTerrE project is to make an inventory of existing biomass feedstocks in Europe, quantify the potential and identify the best feedstocks. EFI will collaborate in the qualification and quantification of the biomass sources.

EFI'S ROLE: PARTNER. | 2008–2010 |

### **FOBIT – Forest-based Bioenergy and Its Climatic and Economic Viability – an Integrated Analysis**

The aim of the project is to generate knowledge on forest industries and wood use cycles as an integral part of the national energy system, and to develop sustainable solutions for the utilisation of forest bioenergy and for the mitigation of climate change. EFI will be involved in the work on project's forest-resource model by further developing the EFISCEN model and analyses.

EFI'S ROLE: SUBCONTRACTOR. | 2008–2010 |

### **EuWood – Real Potential for Changes in Growth and Use of EU Forests** (CONTRACT NUMBER TREN/D2/491-2008/S.1.2.522381)

The project seeks to combine improved data quality on wood flows with complete information on wood resources in Europe. The objective is to provide an impartial estimate of "real supply potentials for changes (normally increases)" of woody biomass in Europe that could be made available to satisfy arising regional material and energy demands from areas of energy (household, municipal, industrial, etc.) and wood processing (including bio-chemicals and bio-materials). EFI's tasks include state-of-the-art reviews and projections of biomass and resource availability under different climate, management and policy scenarios. The Programmes Sustainability and Climate Change and Foresight and Information are involved in the project.

EFI'S ROLE: PARTNER. | 2008–2011 |

### **Analysis of Potential and Costs of LULUCF (Land Use, Land-Use Change and Forestry) Use by EU Member States**

(CONTRACT NUMBER 07.0307/2009/SI2.541003/SER/C5)

The aim of the project is to analyze the implications of various policy options of how to deal with emissions and removals from Land Use, Land-Use Change and Forestry (LULUCF) activities by considering the potential (net) emissions reductions and the associated costs. EFI's tasks in the project include providing EFISCEN model projections for a baseline scenario and a number of alternative policy options. EFI also contributes to the assessment of the efficiency and effectiveness of the individual policy options.

EFI'S ROLE: PARTNER. | 2009–2010 |

### **FLOW – Modeling Fiber Flows: Bioenergy Potential and Carbon Footprint Mitigation**

The objective of this project is to give information on how to take into account CO<sub>2</sub> sequestered in the forest in calculation of carbon footprint of forest products. This information will help the industry sector's Research and Development to optimize the use of biomass proactively in terms of EU's climate change policy. The project will also increase knowledge on fiber based product's carbon economy through several case studies that furthermore give scientifically based results to be used in environmental communication to the authorities and customers. EFI contributes to the forest carbon budget calculation method and quantifies scenario results by using EFISCEN for Southern Finland and Baden-Württemberg (Germany).

EFI'S ROLE: PARTNER. | 2009–2010 |



## **MOTIVE – Models for Adaptive Forest Management**

(GRANT AGREEMENT NUMBER 226544)

The aim of the MOTIVE project is to provide insights, data and tools to improve policymaking and adaptive forest resource management in the face of rapidly changing climatic and land-use conditions. EFI's tasks include leading the dissemination and stakeholder interactions, co-ordinating model developments and applications, and contributing to the review of climate change impacts and their implications for adaptive forest management strategies. In addition, EFIMED will conduct one regional case study in Spain as a contribution to the project work. The Programme Sustainability and Climate Change and Regional Office EFIMED are involved in this project.

EFI'S ROLE: PARTNER. | 2009–2013 |

## **Forest Resource Outlook Modelling**

The EFISCEN model is a crucial cornerstone of the new European Forest Sector Outlook Study (EFSOS II) and will be employed to provide answers to some of the major policy questions. EFI's task in this project, which is partly funded by EFSOS II, is to update and review input data of EFISCEN, run the EFISCEN model and to contribute to the joint analysis of the results.

EFI'S ROLE: SOLE PARTNER. | 2009–2011 |

## **VOLANTE – Visions of Land Use Transitions in Europe**

(GRANT AGREEMENT NUMBER 265104)

The overall project aim is to inform European policy and land management about the bandwidth of critical pathways for multifunctional and sustainable land use. Land management and policy options will be identified in time and in space and their consequences will be evaluated in terms of the provisioning of ecosystem and biodiversity services. EFI's tasks include projection of ecosystem goods and services provided from European forests and the analysis of service synergies and trade-offs. The Programme Sustainability and Climate Change and Regional Office EFICEEC are involved in this project.

EFI'S ROLE: PARTNER. | 2010–2015 |

## **GHG-Europe – GHG Management in European Land Use Systems**

(GRANT AGREEMENT NUMBER 244122)

The GHG-Europe project aims to improve our understanding and capacity for predicting the European terrestrial carbon and greenhouse gas (GHG) budget by applying a systematic, comprehensive and integrative approach. EFI's tasks in the project include the reconstruction of historical age class distributions in European forests and contributing to the assessment of management effects on the forest carbon balance.

EFI'S ROLE: PARTNER. | 2010–2013 |

## **MARKETS AND SOCIO-ECONOMICS PROGRAMME**

(The Programme was merged into the other Programmes in September 2010)

### **Sawmill Industry and Changing Forest Management**

The aim of this project is to evaluate economic impacts of different types of forest management practices and sawn wood market scenarios in the case of hypothetical sawmills in Finland. EFI's tasks in the project include developing a company-level economic model simulating economic performance of a sawmill company under different types of operating environment scenarios and gathering and pre-analysing existing data for joint future operating environment scenario.

EFI'S ROLE: PARTNER. | 2008–2010 |

### **Modelling Future Forest Products Trade with EFI-GTM**

The EFI-Global Trade Model (EFI-GTM) is a tool, which the UNECE/FAO Team of Specialists has recommended to be employed in the future European Forest Sector Outlook Study (EFSOS II). EFI's tasks in the project include modelling two baseline scenarios and a wood energy scenario with EFI-GTM and analysing the results.

EFI'S ROLE: SOLE PARTNER. | 2009–2011 |

## **POLICY AND GOVERNANCE PROGRAMME**

### **FOPER II – Consolidation of the Human Capacities in Forest Policy and Economics Education and Research in the South-East Europe Region**

(CONTRACT NUMBER HEL8127-13)

The aim of this project is to consolidate the capacities created in the FOPER I -project, which has been strengthening the capacities of higher forestry education and research in the fields of forest policy and forest economics since 2004. The project focuses on work to be done in South-East Europe (SEE) Region, namely in Albania, Former Yugoslav Republic of Macedonia, Serbia, Montenegro, Bosnia and Herzegovina, as well as in Croatia. The central problem to be addressed is limited human capacities in the field of forest policy and economics. There are seven regional research projects ongoing under FOPER II at the moment: 1) the role and effectiveness of international organizations and implications on environmental/forest policy processes at national level, 2) assessment of governance principles in forest policies and national forest policies in SEE countries, 3) decentralization of power and property rights in forest policy decision making, 4) assessment of governance principles in forest protected areas, 5) hunters' attitudes and motivation for hunting in SEE, 6) entrepreneurship, markets and marketing of non-wood forest products and 7) socio-economic values of urban forests and behavioural patterns in capital cities of SEE. EFI's tasks in the project include coordination, management and facilitation. The project is financed by the Ministry for Foreign Affairs of Finland.

EFI'S ROLE: CO-ORDINATOR. | 2009–2011 |

### **Brussels Think Tank for Future Forests in Europe**

The objective of this project is to establish a high-level discussion forum to facilitate and promote focused dialogue on emerging, strategic forest policy issues. The aim is to strengthen communication, collaboration and partnership building between the key policy-makers in the EU, and between the science community, the Member States and key stakeholder groups. EFI's tasks include coordination, advocacy, fund raising and networking with the key actors.

EFI'S ROLE: CO-ORDINATOR. | 2010–2013 |

## **■ FORESIGHT AND INFORMATION PROGRAMME**

### **Fire Paradox – An Innovative Approach of Integrated Wildland Fire Management Regulating the Wildfire Problem by the Wise Use of Fire: Solving the Fire Paradox**

(CONTRACT NUMBER FP6-018505)

The results of this 6<sup>th</sup> Framework Programme Integrated Project aim at responding to the societal needs of reducing the impacts of disastrous wildfires by setting their limits with prescribed and suppression fires. EFI's main task is the elaboration of the Fire Paradox information management platform. EFI is responsible for producing a review of CO<sub>2</sub> emissions mitigation through prescribed burning and assists in reviewing policies and practices at European scale with emphasis on prescribed burning/suppression fire. Regional Office EFICIENT assists the Programme Foresight and Information in the finalisation of the information management platform called 'Fire Intuition' and is also a co-organiser of the final conference.

EFI'S ROLE: PARTNER. | 2006–2010 |

### **BEE – Biomass Energy Europe**

(GRANT AGREEMENT NUMBER 213417)

The objective of the project is the harmonisation of biomass resource assessments with focus on the biomass potential for energy in order to improve the consistency, accuracy and reliability of biomass assessments. EFI is contributing to a state-of-the-art overview, review of biomass resource assessments, harmonization of biomass resource assessments, EU-27 and Pan-European illustration cases as well as dissemination and networking. EFI's tasks in all the work packages are connected to forestry and forestry residues. The Programmes Foresight and Information and Sustainability and Climate Change are involved in the project.

EFI'S ROLE: PARTNER. | 2008–2010 |

### **GNU – GMES: Network of Users** (CONTRACT NUMBER 030956)

Currently, the user communities of the EC programme 'Global Monitoring for Environment and Security' (GMES) are fragmented and incoherent and hence unable to issue common and consolidated views and statements. GNU project intends to initiate a structuring of the GMES demand side by setting up an independent platform that will become the focal point and mouthpiece of European environmental GMES user needs, and, likewise, the project will foster a systematic dialogue between the stakeholder communities including users, decision makers, and data providers.

EFI'S ROLE: PARTNER. | 2007–2010 |

### **Geoland2 – Towards an Operational GMES Land**

**Monitoring Core Service** (GRANT AGREEMENT NUMBER 218795)

The joint EC and ESA programme, Global Monitoring for Environment and Security (GMES), targets the consolidation of Earth Observation methods and products and an outreach to users of such products. Geoland2 intends to constitute a major step forward in the implementation of the GMES Land Monitoring Core Service (LMCS) with local, continental and global components. The goal of Geoland2 is firstly to prepare, validate and demonstrate pre-operational service chains and products that will underpin the LMCS, and secondly to propose and demonstrate a concrete functional organisation of the LMCS. EFI will contribute to Forest User Interface and Forest Service Consolidation parts of the project and to project communication, training and dissemination of materials.

EFI'S ROLE: PARTNER. | 2008–2012 |

### **EURO-FOREST – European Forest Information Portal**

In the first stage a user-friendly, comprehensive web portal on European forests was established (October 2006–December 2007). The service was launched on 1 October 2007 and is further developed, maintained and kept up-to-date by EFI. The portal offers easy access to information resources about forests and the forest sector in Europe. The core of the portal is a metadatabase containing descriptions and links to resources.

EFI'S ROLE: SOLE PARTNER. | 2008–2010 |

### **HELM – Harmonised European Land Monitoring**

(GRANT AGREEMENT NUMBER 261562)

The project works towards harmonisation and coordination of national and regional level land monitoring activities and facilitate their integration at the European level. In this way, synergies are created between national and European activities as to classification nomenclatures, synchronisation, and combination of tasks. EFI tasks include leading documenting of land monitoring activities at Member State/sub-national level.

EFI'S ROLE: PARTNER. | 2010–2013 |

### **CARBONES – 30-years Re-analysis of Space and Time Variations of Carbon Fluxes and Pools over Europe and**

**Globe** (GRANT AGREEMENT NUMBER 242316)

The overall objective of the project for the next 3 years will be to provide a calibrated 30 years-long re-analysis of space and time variations of C fluxes and pools over Europe and the Globe, providing a clear and necessary added value to Core Services data with respect to Climate Users needs, and tailored to be used by the IPCC climate modellers for testing and improving their simulations of the future evolution of the coupled climate-carbon cycle system. EFI contributes to the preparation of validation data for the CARBONES carbon cycle data assimilation system. The main task will be the development of an automated mapping approach for historical age-class and biomass data at the European and global scale.

EFI'S ROLE: PARTNER. | 2010–2013 |

### **GSEFM Extension Europe – GSE Forest Monitoring Services Extension and Transfer 2009-2012 Extension Activities in Europe**

The successful implementation of the GSEFM Stage 2 Services in Europe led the Consortium Partners to recognize the need for a transition period from the ESA supported GSE FM to one that is supported by EU funding. Several activities were recommended for this transition period by the Consortium during Stage 2; these include any new service case in Europe, which requires the GSE FM standards and implementation framework, the maintenance of the GSE FM Service Network and especially the User Executive Body (UEB). EFI coordinates the User Executive Body of GSE FM. The main tasks are to organize meetings of the UEB, production of the UEB Newsletters and presentation of GSE FM Services in different fora.

EFI'S ROLE: SUBCONTRACTOR. | 2009–2010 |

### **GSEFM-REDD – GSE Forest Monitoring Extension REDD Services**

The project will focus on the extension of the GSE Forest Monitoring Service Portfolio to improve and expand the existing Service “Support to UNFCCC Post-Kyoto Mechanism – Reducing Emissions from Deforestation in Developing Countries (REDD) process.” This service will now encompass a full set of activities for REDD and goes beyond the scope of what was offered in Stage 2 and better supports the user and policy requirements. EFI's tasks in the project refer to the service provision and qualification and to the utility assessment of the service. The scope of EFI's tasks is under negotiation with the project coordinator.

EFI'S ROLE: PARTNER. | 2009–2012 |

### **COST Foresight – COST Strategic Workshop Foresight on Future Demand for Forest-based Products and Services**

The aim of this strategic workshop series is to carry out a wide-angle foresight exercise on the future demand for multiple forest-based products and services. Firstly, the exercise aims at providing futures information on the role that forests play in the future societies, the demand there will be for the forest-based products and services and the drivers behind these developments. Secondly, the exercise aims at a capacity building on foresight methodologies and approaches, development of new social and commercial networks, and elaboration of a shared sense of commitment which would result in new national and European scale foresight exercises in the forest sector. EFI coordinates the project in close cooperation with the COST Domain Forests, their Products and Services (DC FPS). Parallel to the COST workshop series EFI also carries out a study for the University of Eastern Finland Forest Foresight Unit about foresight activities (December 2010–February 2011), which also contributes to the discussions about the follow-up of the COST foresight workshop series.

EFI'S ROLE: CO-ORDINATOR. | 2010–2011 |

### **RoK-FOR – Sustainable Forest Management Providing Renewable Energy, Sustainable Construction and Bio-based Products** (GRANT AGREEMENT NUMBER 245437)

The broader objective of RoK-FOR is to form transnational, including cross-border and inter-regional co-operation between regional research-driven clusters for supporting as well as mentoring them in the regional development approaches through choosing a sustainable forest management strategy leading to innovativeness and competitiveness of the concerned European regions. The Programme Foresight and Information and Regional Offices EFICEEC, EFIATLANTIC and EFICIENT-OEF are involved in this project. EFI's tasks include leading the work on the analysis of regional capacities (EFIATLANTIC) and policies (EFICEEC) as well as work on the development of Joint Action Plan. EFI also has a strong role in project dissemination and stakeholder interaction.

EFI'S ROLE: PARTNER. | 2010–2013 |

## **REGIONAL OFFICES**

### **■ MEDITERRANEAN REGIONAL OFFICE – EFIMED**

#### **MASIFF – Development of a Methodology for the Analysis of Socio-economic Impact of Forest Fires and Economic Efficiency of Fire Management** (CONTRACT NUMBER 384398)

The aim of this project is to develop a model for estimating the socio-economic impacts of forest fires. The model will aim to account for both market (e.g. timber, cork, berries, and mushrooms) and non-market goods and services (e.g. recreation and tourism, carbon sequestration, biodiversity protection, watershed services). Regional Office EFIMED and the Programme Foresight and Information are involved in this project.

EFI'S ROLE: CO-ORDINATOR. | 2008–2010 |

#### **Development of Capacities and Scientific Tools for Managing Forests in Lebanon and Syria**

The project aims to develop the first simulation forest model for the Middle East and train Lebanese and Syrian foresters in forest inventory and modelling practices.

EFI'S ROLE: PARTNER. | 2008–2010 |

#### **NEWFOREX – New Ways to Value and Market Forest Externalities** (GRANT AGREEMENT NUMBER 243950)

The aim of NEWFOREX project is to develop new methodologies for valuing and marketing currently non-marketable forest functions, goods and services, identifying the beneficiaries, assessing the cost of provision of externalities and providing policy recommendations. These will take place in five EU case studies and one developing country case study, covering key externalities: carbon sequestration, biodiversity protection, watershed services and recreation. EFI's tasks in the project include designing and implementing valuation surveys and contributing to stakeholder interactions and scientific advice. EFI will also contribute to the compilation of the guiding tool for Valuation, Costing and Marketing of Forest Externalities.

EFI'S ROLE: PARTNER. | 2010–2013 |

## **AGORA – Advancing Forest Research Capacities**

(GRANT AGREEMENT NUMBER 245482)

The aim of AGORA is to improve existing and develop new forest Research, Technology and Development (RTD) capacities in key forest scientific areas in Morocco and Tunisia. The new scientific capacities will support policymaking and forest management in the face of rapidly changing climatic and land-use conditions in the Mediterranean area. Capacities will be improved through grants, workshops, equipment and new research strategies for North Africa. EFI will coordinate the project and is responsible for overall coordination of the project, dissemination of project results and interaction with the stakeholders.

EFI'S ROLE: CO-ORDINATOR. | 2010–2012 |

## **SYLVAMED – Mediterranean Forests for All**

The aim of the project is to improve the knowledge on valuation marketing and policies to ensure the sustainability of Mediterranean forest externalities. EFI's tasks in the project include communication and dissemination products of the project.

EFI'S ROLE: PARTNER. | 2010–2013 |

## **■ CENTRAL EUROPEAN REGIONAL OFFICE AND THE OBSERVATORY FOR EUROPEAN FORESTS – EFICIENT-OEF**

### **Economic Effects of Climate Change to Central European Forests**

This project, which is one of EFICIENT core project activities, evaluates the impact of climate change on the economic performance of major forest types in Central Europe by using different climate change scenarios. Special focus is given to the changing value of forest land under climate change conditions and the question at what point forestry may become economically unattractive in particular for private forest owners. Main emphasis of the economic evaluation is on timber production due to its overriding economic importance in Central Europe. The project is implemented as a PhD dissertation.

EFI'S ROLE: SOLE PARTNER. | 2009–2012 |

### **INTEGRATE – Integrative Nature Protection in Forests and Maintenance of Various Forest Functions**

The aim of this project, which is one of EFICIENT core project activities, is to depict to which degree multifunctional forest management approaches and strategies make a contribution to nature/biodiversity protection while fulfilling also other functions and services. These results will stimulate the discussion on the topic of forest utilization and protection on the whole forest resource. This project activity is the initial phase and experts will be consulted to concretize the project tasks.

EFI'S ROLE: SOLE PARTNER. | 2009–2012 |

## **ADVANCE – Adaptation of Pine and Mixed Pine-Beech (Oak) Forests along a Gradient of Exposure from South Sweden to West Poland and Northeast Germany**

The aim of this project is to elaborate a detailed work plan for the project "Adaptation of Pine Forests through Silvicultural Measures in the Pomerania Region". This activity also provides support in building the project network and organizing the working meetings. A PhD has been ongoing in the ADVANCE project since October 2010. EFI has a coordinating and facilitating role.

EFI'S ROLE: PARTNER. | 2009–2012 |

### **Storms and Their Impacts to European Forests: What Science Can Tell Us**

EFICIENT will produce a volume in the new EFI series on 'Storms', following the approach taken by Regional Office EFIMED. The book builds on the outcomes of the DG Environment project "Destructive Storms in European Forests; Past and Forthcoming Impacts" and other relevant information and targets to provide science based knowledge to policy makers. A drafting committee has been set up for elaborating the outline of the book and identifying chapter authors. The paper will be implemented jointly with Regional Office EFIATLANTIC.

EFI'S ROLE: SOLE PARTNER. | 2011 |

### **Support to FOREST EUROPE Reporting on the 'State of Europe's Forests 2011'**

EFICIENT-OEF supports the elaboration of the FOREST EUROPE report on the 'State of Europe's Forests 2011'. The OEF has a lead role in coordinating, together with the FOREST EUROPE Liaison Unit, the UNECE Forestry and Timber Section, and the FAO, the validation, analysis and reporting on qualitative (forest governance) indicators, which are describing the national policies, institutions and instruments for SFM and by policy area. The EFICIENT is supporting the analysis of indicators under Criterion 4 'Biological diversity in forest ecosystems' and Criterion 5 'Protective functions in forest management'. The full report will be available and presented at the FOREST EUROPE Ministerial Conference held in June 2011 in Oslo, Norway.

EFI'S ROLE: PARTNER. | 2010–2011 |

### **Study on the Development of Non-legislative Acts as Provided for in the EU Timber Regulation**

The EU Timber Regulation (EU) No 995/2010 of the European Parliament and of the Council of 20 October 2010, laying down the obligations of operators who place timber and timber products on the market, prohibits the placing of illegally harvested timber and products of such timber on the EU market. It requires the EU economic operators that supply timber and timber products to the EU market for the first time to exercise "due diligence" to ensure the legality of the products. The aim of this project is to identify the most efficient ways to fulfill the requirements of the Regulation with respect to risk assessment systems and the role of monitoring organizations, taking into account in particular relevant best practices. EFI is responsible for overall coordination of the project.

EFI'S ROLE: CO-ORDINATOR. | 2010–2011 |



### **Improving International Forest Products Price Information**

The main objective of the project is to investigate potentials of improving coverage and quality of forest products price information at national/European level and depict best options for their collection and dissemination. The project produces a feasibility study, which will give recommendations for next steps towards designing and developing a European price database. In addition, a web portal is elaborated, which offers an ease in searching price information sources, specifically in Europe, by forest product category, geographic areas and species category. The study is coordinated and conducted by the OEF, in cooperation with the UNECE Forestry and Timber Section. EFI'S ROLE: CO-ORDINATOR. | 2010-2011 |

### **Indicator Analytic Networks – Modelling the Concept of Sustainable Forest Management (SFM) and its Multiple Cause-effect Relationships**

The aim of the study is to identify and analyse connectivity between the different SFM describing variables, as identified by the pan-European criteria and indicators, and to map global cause-effect mechanisms according to a chosen focus (such as on forest biodiversity or goods and services). Specific policy and stakeholder targets will be identified and applied to the criteria and indicators networking model to illustrate and discuss the complexity of the system and the various conflicts of interests which might emerge. Within the scope of this topic a set of different MSc theses, in cooperation with various European Universities, is planned. A first MSc thesis was conducted in 2010, in cooperation with AgroParisTech-ENGREF, School of Forest Engineering in Nancy, France. EFI'S ROLE: CO-ORDINATOR. | 2010-2012 |

### **PhD Course on “International Forestry and Global Issues”**

The course, jointly organized by INRA and OEF, addressed a range of forest issues, topics which rank high on the national/international forest and environmental research and policy agendas. The course offered PhD students and young scientists the opportunity to interact with internationally renowned experts from various fields of forest science and policy. Also the Programme Policy and Governance was involved through FOPER II project personnel. EFI'S ROLE: COORDINATOR. | 2009-2010 |

### **Winter Summer School 2011: “Making Values Work – Exploring Multiple Perspectives in Understanding the Valuation of Forest Ecosystems”**

EFI's WSS is a Winter and Summer School Model of graduate education aimed at creating collaborative research networks on topics of high relevance for forests and environment at the European scale. Engaging doctoral students is central to supporting EFI's mission to strengthen and mobilize European forest research and expertise to address policy-relevant needs. The EFI WSS caters and encourages the building of Europe-wide networks of top level young researchers on selected topics. Regional Offices EFICIENT-OEF, EFIMED and EFICEEC together with the FOPER II project and EFI headquarters personnel are involved in this project. The project will build capacity for high quality research through innovative teaching methods conveyed by leading experts who will be available for the duration of the schools. EFI'S ROLE: SOLE PARTNER. | 2010-2011 |

## **■ ATLANTIC EUROPEAN REGIONAL OFFICE – EFIATLANTIC**

### **Destructive Storms in European Forests; Past and Forthcoming Impacts**

(CONTRACT NUMBER 07.0307/2009/SI2.540092/ETU/B.1)

The aim of the project is to understand the nature of the wind damage risk to European forest, how this risk might change, the social, environmental and economic impacts of that change and the role that policy instruments can play in reducing the risk and speeding up recovery following storm events. EFI's tasks include analysis of the effects of the past ten major storms, analysis of the trends of storm and damages frequency with climate change and making recommendation of effective policies for storm impacts reduction. Regional Offices EFIATLANTIC and EFICIENT-OEF are involved in this project.

EFI'S ROLE: CO-ORDINATOR. | 2009-2010 |

### **REINFFORCE – Resource Infrastructures for Monitoring, Adapting and Protecting European Atlantic Forests under Changing Climate**

The aim of the project is to set up a network of infrastructures to monitor climate change impact and adaptation from United Kingdom to Portugal. This project will provide its members with harmonised protocols, databases and more than 30 arboretums and 30 demonstration sites to assess adaptation of forests to climate change. It will also contribute to the inventory of long term monitoring trials in the Atlantic area.

EFI'S ROLE: CO-ORDINATOR. | 2009-2012 |

## **■ CENTRAL-EAST EUROPEAN REGIONAL OFFICE – EFICEEC**

### **SUSICEE – Innovation and Sustainability of Forestry in Central-Eastern Europe: Challenges and Perspectives**

The aim of the project is the comparative analysis of strategies and the implementation of the privatization of forest management in the CEE countries, especially the strategies of the "institutional innovations" in the administration of private and state forest enterprises, and the verifiable economic, political, environmental and social effects of privatization in the forest sector. At the same time, the project aims to build up a solid knowledge base for further comparative studies on specific topics in the future. SUSICEE is one of the core funding activities of EFICEEC involving seven partners from its network.

EFI'S ROLE: CO-ORDINATOR. | 2009-2011 |

### **Climate Change Effects on Green Space of the City of Vienna**

Aim of the study is the analysis of expected climate change effects on the forests and agriculture of the City of Vienna. The first of three project parts assesses the possible effects of climate change on the urban and suburban green space of the city, the so-called “Green Belt”. Part II studies the consequences of these effects on the provision of societal goods and services. Part III is an international comparison of the state-of-the-art of climate change and urban forests in Central Eastern Europe. The study assumes that ecosystem changes induced by climate change as well as societal developments will require adaptations of the management of the Green Belt of the city of Vienna and contributes to the assessment of these implications. The project is one of EFICEEC’s core funding activities.

EFI’S ROLE: SOLE PARTNER. | 2009–2013 |

### **■ NORTH EUROPEAN REGIONAL OFFICE – EFINORD**

#### **Creating a Nordic-Baltic Information Service for Forests and Forestry**

The aim of the project is to set up a regional website and knowledge base for the Nordic-Baltic Sea region, comprising fact sheets, forest research news and reports with results and information from forest research. The target groups are decision makers, politicians, official bodies, organisations, and individuals with an interest in the forest sector. The project will be implemented in close collaboration with EFINORD/ SNS Network “Forum of Communicators at Nordic and Baltic Forest Research Institutes”.

EFI’S ROLE: CO-ORDINATOR TOGETHER WITH SNS. | 2010–2011 |

### **■ RESEARCH AND DEVELOPMENT COORDINATION SUPPORT TEAM**

#### **EEA Framework Agreement: Lot 2 Forests – EEA Tender for Framework Contract for Support on Agriculture and Forests: Lot 2 Forests**

(CONTRACT NUMBER EEA/NSV/10/004 – LOT 2: FORESTS)

This is an overall Framework Agreement with the European Environment Agency for support on thematic areas in Forests. The specific tasks to be performed under this Framework Agreement will be related to the following thematic areas: a) assessment, development and methodological improvement of data to describe multifunctional properties of different land uses (incl. protected areas) in water catchments to test relevant integrative indicators. b) Assessment of environmental and ecosystems services for forests and c) proposing a core set of environment indicators to monitor forests in Europe. EFI will provide its know-how under the themes and in addition with defined functional areas relevant for all the thematic areas under Lot 2: Forests.

EFI’S ROLE: CO-ORDINATOR. | 2010–2013 |

#### **EEA Framework Agreement: Lot 1 Agriculture – Framework Contract for Support on Agriculture (lot 1)**

This is an overall Framework Agreement with the European Environment Agency for support on thematic areas in Agriculture. The specific tasks to be performed under this Framework Agreement will be related to the following thematic areas: 1) support the update and methodological improvement of agri-environment indicators, 2) analysis from an environmental perspective of EU policies on agriculture and rural development, 3) environmental and ecosystems accounts in the agriculture sector, 4) bioenergy and biowaste energy potential from agriculture and forestry and 5) technological developments and innovation in agri-food and forestry production. EFI will provide its know-how to various subthemes of the five thematic areas.

EFI’S ROLE: PARTNER. | 2010–2013 |

#### **BECOTEPS – Bio-Economy Technology Platforms Join Forces to Address Synergies and Gaps between Their Strategic Agendas (GRANT AGREEMENT NUMBER 226526)**

The project will help to link science and application by addressing synergies and gaps i) between the Strategic Research Agendas of the European Technology Platforms (ETPs) and ii) with respect to the research preparedness of the scientific community by topical workshops on cross-cutting Knowledge-Based Bio-Technology (KBBE) issues. The first workshop will address trust and collaboration in the food and feed chain, the second the integration of the non-food chains, and the third cross-cutting sustainability issues. The workshop recommendations on research and policy will be summarised in a White Paper.

EFI’S ROLE: PARTNER. | 2009–2011 |

# POLICY ADVICE ACTIVITIES 2010

## ■ EU FLEGT (FOREST LAW ENFORCEMENT, GOVERNANCE AND TRADE) FACILITY

The Facility, hosted by EFI, assists the European Union, EU Member States and timber exporting partner countries in implementing the FLEGT Action Plan. A particular focus of the Facility is to support the negotiations and implementation of Voluntary Partnership Agreements (VPAs). As a central element of the Action Plan, these bilateral agreements between the EU and timber exporting partner countries aim to ensure that the wood shipped to Europe is from legal sources and to support partner countries in improving their own regulation and governance of the sector. The key work areas of the Facility are: (i) providing facilitation services and technical assistance as support to VPA processes, (ii) carrying out analytical studies for guiding the VPA processes, (iii) managing a communication portfolio, (iv) assessing linkages and synergies between both the FLEGT and the REDD (Reducing Emissions from Deforestation and Forest Degradation) programmes, and (v) implementing the regional FLEGT Asia support programme. The Facility, together with FLEGT Asia Regional Programme provided support to the following countries during VPA negotiations or system development: Cameroon, Central African Republic, Democratic Republic of Congo, Gabon, Ghana, Indonesia, Liberia, Malaysia, Republic of Congo and Vietnam. Information missions were carried out to Bolivia, Cambodia, China, Columbia, Côte d'Ivoire, Ecuador, Guatemala, Guyana, Honduras, Laos, Myanmar/Burma, Papua New Guinea, Peru, Sierra Leone, the Solomon Islands and Thailand.

As part of the EU FLEGT Facility, the FLEGT Asia Regional Programme promotes good forest governance in the Asian region. FLEGT Asia aims to achieve this by strengthening regional cooperation in forest governance and by promoting and facilitating international trade in verified legal timber. The collection and sharing of information such as trade statistics, market developments, baseline studies and stakeholder analysis is an important first tier of FLEGT Asia's work. In order to support the relevant stakeholders such as civil society, the private sector, and government agencies, FLEGT Asia carries out capacity building activities to support these stakeholders in improving forest governance. FLEGT Asia also collaborates with other regional programmes to complement and support actions already taking place in the region.

## ■ EU REDD (REDUCING EMISSIONS FROM DEFORESTATION AND DEGRADATION) FACILITY

The newly founded EU REDD Facility, hosted by EFI, aims to assist developing countries by providing effective support to the emergence of REDD national frameworks, and the European Commission and EU Member States in providing effective support to these countries in preparing for REDD.

The EU REDD Facility will help targeted developing countries in building their capacity and improving forest governance in support of both REDD and FLEGT objectives, as well as provide technical support to the development of EU financed REDD actions.

# LIST OF EVENTS 2010

## **Towards Integrated Wildland Fire Management – Outcomes of the European Project Fire Paradox**

- 25–26 February, Freiburg, Germany
- Organisers: EFICIENT-OEF, GFMC, Fire Paradox -project
- Number of participants and countries: 196/23

## **EFIATLANTIC Annual Meeting and Scientific Seminar: Climate Change – After Copenhagen Challenges**

- 18 March, Bértiz, Navarra, Spain
- Organisers: EFIATLANTIC, Government of Navarra (Spain), GAVRN (Spain)
- Number of participants and countries: 35/6

## **Inauguration of the Observatory for European Forests – OEF**

- 9 April, Nancy, France
- Organisers: EFICIENT-OEF
- Number of participants and countries: 60/3

## **Opening Ceremony of the European Forest Institute's Central-East European Regional Office (EFICEEC)**

- 12 April, Vienna, Austria
- Organisers: EFICEEC, BOKU
- Number of participants and countries: 65/14

## **COST FP0701 Training School: Post-fire Rehabilitation**

- 13–16 April 2010, Valencia, Spain
- Organisers: COST FP0701, EFIMED, CEAM Foundation, PHOENIX Project Centre
- Number of participants and countries: 20/10

## **Mediterranean Forest Week 2010 (including EFIMED Annual Progress Meeting and Scientific Seminar: Knowledge-based Management of Mediterranean Forests Under Climate Driven Risks – the Ways Ahead)**

- 13–16 April, Antalya, Turkey
- Organisers: EFIMED, SAFRI, Ministry of Environment and Forestry (Turkey), Ministry of Science and Innovation (Spain), AIFM, FAO Silva Mediterranea
- Number of participants and countries: 123/16

## **PhD Course on International Forestry and Global Issues**

- 17–21 May, Nancy, France
- Organisers: EFICIENT-OEF, INRA
- Number of participants and countries: 52/14

## **Joensuu Forestry Networking Week 2010: Forest-water Interactions in Europe**

- 24–28 May, Joensuu, Finland
- Organisers: EFI, METLA, UEF, NKUAS
- Number of participants and countries: 47/11

## **Final COST E51 Conference: The role of policy in European Forest-based Innovation – Bridging Sectoral and Territorial Approaches**

- 31 May – 1 June, Brussels, Belgium
- Organisers: EFI, BOKU, FTP, COST E51, ESF, Royal Flemish Academy of Arts and Science
- Number of participants and countries: 62/19

## **REINFFORCE Seminar: Effects of Climate Change on Forest Ecosystems in Iberian Peninsula**

- 24 June, Lourizan, Pontevedra, Spain
- Organisers: EFIATLANTIC, Xunta de Galicia (Spain)
- Number of participants and countries: 29/4

## **Workshop: Policies for Forest Storm Damages Mitigation and Restoration**

- 1 July, Brussels, Belgium
- Organisers: EFICIENT-OEF, EFIATLANTIC
- Number of participants and countries: 36/7

## **TMUG launch: ToSIA Management and User Group**

- 6–7 September, Espoo, Finland
- Organisers: EFI, Skogforsk, VTT
- Number of participants and countries: 22/7

## **International Conference on Sustainable Forests and Markets Development Conference “Forests, Markets, Policy and Practice – China 2010”**

- 7–8 September, Beijing, China
- Organisers: Rainforest Alliance, WWF – GFTN, TFT, RIFPI, EFI FLEGT Asia, IFCC, USAID, RAFT Programme
- Number of participants and countries: 370/15

## **COST Strategic Workshop: Foresight on Future Demand for Forest-based Products and Services – Setting the Scene**

- 7–8 September, Vienna, Austria
- Organisers: COST FPS, EFI
- Number of participants and countries: 40/16

## **ForestSat 2010**

- 7–10 September, Lugo, Spain
- Organisers: Land Laboratory of the University of Santiago de Compostela, Forest Research, EFI, IUFRO, EARSeL, AGILE, IBADER, SITGA, AET
- Number of participants and countries: over 200/ app. 30

## **EUFGIS Final Workshop**

- 14–15 September, Vienna, Austria
- Organisers: BFW, EFICEEC
- Number of participants and countries: 85/35

## **EFI 2010 Annual Conference**

- 15 September, Dresden, Germany
- Organisers: EFI
- Number of participants and countries: 137/28

## **Scientific Seminar in the connection to the EFI Annual Conference: Biomass from Forests and other Wooded Lands – Production and Use**

- 16–17 September, Dresden, Germany
- Organisers: EFI, University of Dresden
- Number of participants and countries: 116/24



#### **AGORA Scientific Workshop: Adapting Mediterranean Forests to Climate Change**

- 30 September – 3 October, Hammamet, Tunisia
- Organisers: EFIMED, INRA, UNIPD, ISA, KTU, ENFI, INRGREF
- Number of participants and countries: 81/15

#### **RoK-FOR Conference: State-of-the art and common research needs in Sustainable Forest Management Providing Renewable Energy, Sustainable Construction and Bio-based Products**

- 14 October, Biarritz, France
- Organisers: EFIATLANTIC, Aquitaine and Basque regions, Xylofutur
- Number of participants and countries: 84/7

#### **Dialogue on Requirement for Timber Legality Verification in the Global Market**

- 18 October, Kuala Lumpur, Malaysia
- Organisers: MTC, EFI FLEGT Asia, UK TTF, VVNH, GTZ
- Number of participants and countries: 250/12

#### **Opportunities and risks for Douglas-fir in a changing climate**

- 18–20 October, Freiburg, Germany
- Organisers: EFICIENT-OEF, Albert-Ludwigs-University of Freiburg, FVA, IUFRO Unit I.01.00, NFZ.forestnet
- Number of participants and countries: 71/11

In addition 16 smaller EFI FLEGT Asia events were organised during 2010.

#### **EFI ASSOCIATED EVENTS:**

EFI gives the status of EFI Associated Event to international events that are organised by EFI member organization/s. In some cases EFI can consider giving the status also to national events reaching wide range of target groups and to events organised by others than EFI member organization/s. EFI Associated event is a status, and EFI cannot be considered as one of the organizers of the event.

#### **International Scientific Conference: Forest Ecosystems and Climate Change**

- 9–10 March, Belgrade, Serbia

#### **Forest ecosystems in the conditions of climate change: biological productivity, monitoring and adaptation**

- 28 June – 2 July, Yoshkar-Ola, Russia

#### **FAGUS 2010: Is there future for Beech – Changes, Impacts and Answers**

- 27–29 October, Varaždin, Croatia and Zala County, Hungary

#### **International Seminar: Modelling in Forest Sector – An Effective Tool for Sustainable Development**

- 30 November – 1 December, Saint-Petersburg, Russia

#### **Acronyms:**

AET	Asociación Española de Teledetección
AIFM	International Association for Mediterranean Forests
AGILE	Association of Geographic Information Laboratories for Europe
AGORA	Advancing Mediterranean Forest Research Capacities
BFW	Austrian Federal Office and Research Centre for Forests
BOKU	University of Natural Resources and Applied Life Sciences
CEAM	Fundación Centro de Estudios Ambientales del Mediterráneo
COST E51	Integration and Innovation in Forest Sector
COST FP0701	Post-Fire Forest Management in Southern Europe
COST FPS	COST Domain Forests, their Products and Services
EARSeL	European Association of Remote Sensing Laboratories
EFI	European Forest institute
EFIATLANTIC	EFI's Atlantic European Regional Office
EFICEEC	EFI's Central-East European Regional Office
EFICIENT-OEF	EFI's Central European Regional Office and the Observatory for European Forests
EFIMED	EFI's Mediterranean Regional Office
ENFI	Ecole National Forestière d'Ingénieurs
ESF	European Science Foundation
EUFGIS	Establishment of a European Information System on Forest Genetic Resources

FAO	Food and Agriculture Organisation
Fire Paradox	An Innovative Approach of Integrated Wildland Fire Management Regulating the Wildfire Problem by the Wise Use of Fire: Solving the Fire Paradox
FLEGT	Forest Law Enforcement, Governance and Trade
FLEGT Asia	Regional Support programme for the EU FLEGT Action Plan in Asia
FTP	Forest-Based Sector Technology Platform
FVA	Forest Research Institute Baden-Württemberg
GAVRN	Gestion Ambiental, Viveros y Repoblaciones de Navarra (Spain)
GFMC	Global Fire Monitoring Centre
GFTN	Global Forest Trade Network
GTZ	German Technical Cooperation
IBADER	Instituto de Biodiversidade Agraria e Desenvolvimento Rural
IFCC	International Forestry Cooperation Center, State Forestry Administration China
INRA	Institut National de la Recherche Agronomique (France)
INRGREF	Institut National de Recherche en Génie Rural, Eaux et Forêts (Tunisia)
ISA	Instituto Superior de Agronomia (Portugal)
IUFRO Unit 1.01.00	International Union of Forest Research Organisations Unit 1.01.00 for temperate and boreal silviculture
KTU	Karadeniz Technical University (Turkey)
METLA	Finnish Forest Research Institute
MTC	Malaysian Timber Council
NFZ.forestnet	Consortium of four institutional partners in Nancy, two in Freiburg and two in Zürich
NKUAS	North Karelia University of Applied Sciences
RAFT	Responsible Asia Forestry and Trade Programme
RIFPI	Research Institute of Forestry Policy and Information, Chinese Academy of Forestry
REINFFORCE	REsource INFrastructure for monitoring and adapting European Atlantic FORests under Changing climatE
RoK-FOR	Regions of Knowledge for Forestry
SAFRI	South West Anatolia Forest Research Institute (Turkey )
SITGA	Sistema de Información territorial de Galicia
TFT	The Forest Trust
TMUG	ToSIA Management and User Group
ToSIA	Tool for Sustainability Impact Assessment
TTF	Timber Trade Federation
UEF	University of Eastern Finland
UNIPD	University of Padova
USAID	United States Agency for International Development
VTT	Technical Research Centre of Finland
VVNH	Netherlands Timber Federation
WWF	World Wildlife Fund

# LIST OF EFI PUBLICATIONS 2010

## EFI PUBLICATIONS

### ■ Research Report

- EFI Research Report 23. Towards Integrated Fire Management – Outcomes of the European Projects Fire Paradox. Joaquim Sande Silva, Francisco Rego, Paulo Fernandes and Eric Rigolot (eds.) 229 p.
- EFI Research Report 24. Best Practices of Fire Use – Prescribed Burning and Suppression Fire Programmes in Selected Case Study Regions in Europe. Cristina Montiel and Daniel Kraus (eds.) 170 p.

### ■ Proceedings

- Proceedings 58. Forest Policy and Economics in Support of Good Governance. Tomi Tuomasjukka (ed.) 188 p.

### ■ Policy Briefs

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- Aggestam, F. Climate Policy for land use, land use change and forestry. Informal Expert Group Meeting on climate policy for LULUCF (DG Climate Action). Brussels, Belgium, July 14, 2010.
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- Lindner, M. MOTIVE – Models for Adaptive Forest Management. Fifth meeting of the Standing Forestry Committee Ad Hoc Working Group on Climate Change and Forestry. Brussels, Belgium, April 30, 2010.
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- Lindner, M. Climate change impacts in different regions in Europe. Joensuu Forestry Networking Week 2010: Forest – Water Interactions. Joensuu, Finland, May 25, 2010.
- Lindner, M. Options for Adaptation of EU forests. Green week side session on Forest Protection. Brussels, Belgium, June 3, 2010.
- Lindner, M., Kolström, M. and Vilén, T. Can we combine adaptation to climate change and maintaining biodiversity? Poster at the IUFRO World Congress 2010, Session A02 “Biodiversity and climate change: direct and indirect linkages in adaptation and mitigation”. Seoul, South Korea, August 23–28, 2010.
- Lindner, M., Kolström, M., Vilén, T. and Lexer, M.J. Strategies in forest adaptation to climate change in different European regions – identifying suitable species and provenances and other response options. IUFRO World Congress 2010, Oral presentation in Session A12 “Adaptation of temperate and boreal forests to climate change – what experimental trial system is needed?”. Seoul, South Korea, August 25, 2010.
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- Merckx, V. Linkages between REDD and FLEGT. Side event: REDD and Governance: lessons learned from FLEGT, UNFCCC COP16. Cancun, Mexico, December 2, 2010.
- Merckx, V. Etat des négociations internationales et réflexions en cours au niveau européen. Séminaire: Forêt et changements climatiques: Neuchâtel engage le débat. Neuchâtel, Switzerland, November 11, 2010.
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- Nabuurs, G.J. European forests under climate change – large scale modeling of impacts and mitigation. Keynote at ‘Forestry – bridge to the future’ -conference. Sofia, Bulgaria, May 13, 2010.
- Nabuurs, G.J. The IPCC assessment experience. FOPER II meeting. Brac, Croatia, July 23, 2010.
- Päivinen, R., Shannon, M.A. and Tikkanen, I. Strengthening Forest Research Networking and Cooperation in Europe – challenges and opportunities. Presentation at the IUFRO XXIII World Congress. Seoul, South Korea, August 25, 2010.
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- Shannon, M. A. Summary Presentation for the Debut Event of the Center for Environment and Security. Central European University, Budapest, Hungary, September 2010.
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## PROJECT CENTRES

### PHOENIX

**Lisbon, Portugal | [www.phoenixefi.org](http://www.phoenixefi.org)**

The two sources of funding for the PHOENIX activities during 2010 were the Portuguese project “Recuperação de áreas ardidas”, funded by the Ministry of Agriculture, and the COST Action FP0701 – Post-fire forest management in Southern Europe. The highlights of the year were: (i) the organization of a Training School on “Post-fire rehabilitation “in Valencia, in collaboration with COST, EFIMED and CEAM; (ii) the submission of a book proposal on

“Post-fire management and restoration of Southern European Forests” to Island Press; (iii) the final conference of the Fire Paradox project and (iv) the participation in the VI International Conference on Forest Fire Research, Coimbra, Portugal.

During this year, Phoenix partners have been involved in ca. 21 research projects and produced 32 scientific publications. The annual budget of 2010 was ca. 100,000 €.

# FINANCIAL STATEMENTS FOR THE YEAR 2010

The financial statements have been prepared in accordance with the Finnish Accounting Act and according to the other applicable rules governing the preparation of financial statements in Finland (Finnish GAAP).

In 2010 financial statements the accounts of five regional offices have been included (in 2009 accounts 3 regional offices).

The regional offices accounts total to 1631 k€ (644 k€ in 2009), including 862 k€ subsidies (580 k€ in 2009) and 769 k€ project funding (64 k€ in 2009).

The expansion of FLEGT Facility has continued, from the total revenue of 6.8 million euros FLEGT Facility represents 3.4 million euros and 49 % whereas in the previous year it was 40 %.

Due to changes in the funding instruments and rapid expansion of activities, the given information is not fully comparable to previous years information.

## PROFIT AND LOSS ACCOUNT

European Forest Institute  
Profit and loss account  
1.1.–31.12.2010

	2010/EUR	2009/EUR
<b>■ ORDINARY OPERATIONS</b>		
Income		
Conference fees	8 620.25	19 941.55
Grants for projects	6 696 867.25	3 568 941.35
Rents	2470.00	2 281.50
Other income	89 309.92	35 505.06
Income	** 6 797 267.42	3 626 669.46
Expenses		
Staff expenses	-3 984 726.29	-2 857 375.75
Depreciation	-138 132.33	-128 463.44
Other expenses	-4 701 901.21	-2 418 123.30
Expenses	** -8 824 759.83	-5 403 962.49
<b>DEFICIT</b>	** -2 027 492.41	-1 777 293.03
<b>■ FUND RAISING</b>		
Income	141 250.00	145 375.00
Fund raising	** 141 250.00	145 375.00
<b>DEFICIT</b>	** -1886242.41	-1 631 918.03
<b>■ INVESTMENTS AND FINANCIAL ACTIVITIES</b>		
Income	8 303.28	18 706.50
Expenses	-464.36	-765.63
Investments and financial activities	** 7 838.92	17 940.87
<b>DEFICIT</b>	-1 878 403.49	-1 613 977.16
<b>■ TRANSFER FROM MULTI-DONOR TRUST FUND</b>	54 100.25	71 346.55
<b>■ SUBSIDIES</b>	** 1 870 144.09	1 589 034.56
<b>■ PROFIT/LOSS</b>	45 840.85	46 403.95
<b>■ SURPLUS/DEFICIT OF THE FINANCIAL YEAR</b>	45 840.85	46 403.95

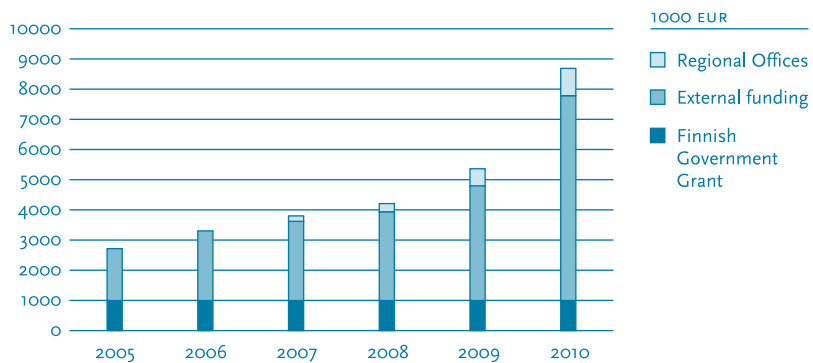


# BALANCE

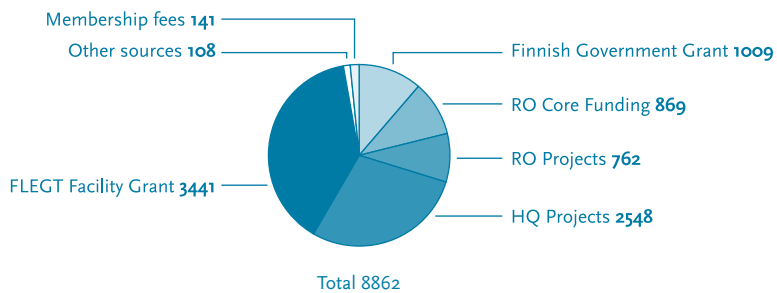
European Forest Institute  
Balance sheet  
31.12.2010

		2010/EUR	2009/EUR
<b>■ ASSETS</b>			
<b>Non-current assets</b>			
Intangible assets			
Other capitalised long-term expenses		80 318.91	112 363.51
Intangible assets	**	80 318.91	112 363.51
Tangible assets			
Machinery and equipment		134 481.88	115 273.03
Tangible assets	**	134 481.88	115 273.03
<b>Non-current assets total</b>	**	214 800.79	227 636.54
<b>Current assets of multi-donor trust fund</b>			
Cash at bank		4 174 165.77	2 430 406.35
<b>Current assets of multi-donor trust fund</b>	**	4 174 165.77	2 430 406.35
<b>Current assets</b>			
Current receivables			
Accounts receivable		547 460.20	302 434.11
Accrued income and prepaid expenses		803 618.60	654 998.85
Current receivables	**	1 351 078.80	957 432.96
Cash in hand and at banks	**	451 553.29	272 659.80
<b>Current assets total</b>	**	1 802 632.09	1 230 092.76
<b>■ ASSETS</b>	***	6 191 598.65	3 888 135.65
<b>■ LIABILITIES</b>			
<b>Equity</b>			
15 <sup>th</sup> anniversary fund		1 400.00	1 400.00
Multi-donor trust fund		1 715 964.45	1 770 064.70
Other reserves		448 556.49	402 152.54
Other equity		108 521.02	108 521.02
Surplus (deficit) for the period		45 840.85	46 403.95
Equity	**	2 320 282.81	2 328 542.21
<b>Liabilities</b>			
Current liabilities			
Advance payments received		2 753 738.00	915 314.04
Purchases payables		797 108.73	404 447.09
Accrued liabilities and deferred income		273 844.52	207 107.49
Other liabilities		46 624.59	32 724.82
Current liabilities	**	3 871 315.84	1 559 593.44
<b>Liabilities</b>	**	3 871 315.84	1 559 593.44
<b>■ LIABILITIES</b>	***	6 191 598.65	3 888 135.65

**Funding 2005–2010, in 1000 euros**

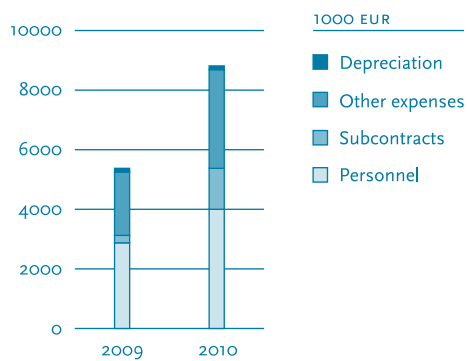


**Sources of funding in 2009, in 1000 euros**



**Division of total expenses, in 1000 euros**

(2010: 8825 k€, 2009: 5403 k€)





European Forest Institute  
Torikatu 34  
80100 Joensuu  
FINLAND

TEL: +358 10 773 4300

FAX: +358 10 773 4377

[efisec@efi.int](mailto:efisec@efi.int)

[www.efi.int](http://www.efi.int)