



EUROPEAN FOREST INSTITUTE

Annual Report 2013
SUPPLEMENT



Associate and Affiliate Members of the European Forest Institute

December 2013

Austria

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

Belgium

- K.U. Leuven, Division Forest, Nature & Landscape
- 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

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

Denmark

- Forest & 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
- Karelia University of Applied Sciences
- Metsähallitus
- Metsämiesten Säätiö Foundation
- Metsäteho Oy – R&D operations in forestry
- 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
- ECOFOR
- French Institute of Technology for forest based and furniture sectors – FCBA
- INRA, Department of Forests and Forestry Products
- National Research Institute of Science and Technology for Environment and Agriculture (Irstea)
- Office National des Forêts (ONF)

Germany

- Center of Forestry Weihenstephan
- Department of Forest Sciences, TU Dresden
- Eberswalde University for Sustainable Development
- 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 Freiburg, Faculty of Forest and Environmental Sciences
- University of Göttingen, Faculty of Forest Sciences and Forest Ecology

Greece

- Aristotle University of Thessaloniki, Faculty of Forestry and Natural Environment
- Kavala Institute of Technology, Department of Forestry and Natural Environment Management

Hungary

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

Iceland

- Iceland Forest Service

Ireland

- Coillte
- Forest Service, Department of Agriculture, Food and the Marine
- University College Dublin, School of Agriculture and Food Science

Italy

- Agricultural Research Council – Forest Monitoring and Planning Research Unit (CRA-MPF)
- Department of Land, Environment, Agriculture and Forestry (LEAF), University of Padova
- FOXLAB
- Institute of Agro-environmental and Forest Biology
- Italian Academy of Forest Sciences
- National Institute for Agricultural Economics (INEA)
- University of Molise
- University of Tuscia

Japan

- Forestry and Forest Products Research Institute*

Latvia

- Latvian State Forest Research Institute “Silava”
- Latvia University of Agriculture, Forest Faculty

The Netherlands

- Alterra
- Wageningen University, Forestry Groups

Norway

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

People’s Republic of China

- Guangxi Academy of Sciences, Nanning*
- Guangxi Botanical Garden of Medicinal Plants, Nanning*
- Guangxi Institute of Botany, The Chinese Academy of Sciences, Guilin*

Poland

- Faculty of Forestry, Poznań University of Life Sciences
- Forest Research Institute (IBL)
- Warsaw University of Life Sciences (SGGW), Faculty of Forestry
- Wood Technology Institute

Portugal

- School of Agricultural and Forest Sciences of Coimbra
- School of Agriculture (ISA), Department of Forestry
- Universidade Católica Portuguesa

Romania

- Forest Research and Management Institute (ICAS)

Russian Federation

- All-Russian Research Institute of Silviculture and Mechanization of Forestry
- Institute of Forest, Krasnodar
- 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 University
- Volga State University of Technology, Centre of Sustainable Forest Management and Remote Sensing

Serbia

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

Slovak Republic

- Institute of Forest Ecology - Slovak Academy of Sciences
- National Forest Centre – FRI Zvolen
- Technical University in Zvolen

Slovenia

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

Spain

- CREA – Centre for Ecological Research and Forestry Applications
- Forest Research Centre (CIFOR-INIA)
- Forest Sciences Center of Catalonia (CTFC)
- Neiker-Tecnalia
- Pau Costa Foundation on Fire Ecology and Management
- Polytechnical University of Valencia, Escuela Técnica Superior de Ingenieros Agrónomos
- 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 (SLU)

Switzerland

- ETH Zürich, Institute for Terrestrial Ecosystems ITES
- School of Agricultural, Forest and Food Sciences, Bern University of Applied Sciences
- Swiss Federal Institute for Forest, Snow and Landscape Research WSL

Turkey

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

Ukraine

- National University of Life and Environmental Sciences of Ukraine

United Kingdom

- Bangor University, School of the Environment, Natural Resources and Geography
- DMC International Imaging
- Forestry Commission, Forest Research
- The James Hutton Institute
- University of Wolverhampton, Centre for International Development and Training (CIDT)

USA

- Pacific Northwest Research Station, US Forest Service*
- Research & Development, US Forest Service*
- University of Georgia, Warnell School of Forestry and Natural Resources, Center for Forest Business*

International bodies

- Confederation of European Forest Owners – CEFP
- European Confederation of Woodworking Industries – CEI-Bois
- European Landowners’ Organization (ELO)
- International Forestry Students’ Association (IFSA)
- Nordic Forest Research Co-operation Committee (SNS)
- The Union of Southern European Forest Owners (USSE)

129 member organisations in 36 countries

* Affiliate Members

Country Members of the European Forest Institute

By the end of the year 2013, a total of 25 European States had ratified the Convention on EFI, namely Austria, Bulgaria, Croatia, Czech Republic, Denmark, Finland, France, Germany, Greece, Ireland, Italy, Latvia, Luxembourg, the Netherlands, Norway, Poland, Portugal, Romania, Slovak Republic, Slovenia, Spain, Sweden, Switzerland, Turkey and the United Kingdom.

Board of the European Forest Institute

Dr. José Antonio Bonet Lledós	Spain
Prof. Dr. Jean-Marc Guehl	France
Dr. Eeva Hellström	Finland (as of 26 September 2013)
Prof. Dr. Michael Köhl	Germany
Prof. Dr. Frits Mohren	The Netherlands (as of 26 September 2013)
Prof. Dr. Giuseppe E. Scarascia-Mugnozza	Italy
Prof. Dr. Tomasz Zawila-Niedzwiecki	Poland
Prof. J. Bo Larsen, <i>Chairman of the Board</i>	Denmark
Prof. Lisa Sennerby Forsse	Sweden (until 4 February 2013)
Dr. Harald Mauser	Austria (until 31 January 2013)

Scientific Advisory Board of the European Forest Institute

Prof. Dr. Bas Arts	The Netherlands (until 31 December 2013)
Prof. Kristina Blennow, <i>Vice-Chair</i>	Sweden
Prof. Dr. Carlos A. Gracia	Spain (until 31 December 2013)
Dr. Andrey Filipchuk	Russia
Prof. Dr. Karl Hög	Austria
Prof. Dr. Markku Kanninen	Finland
Prof. Marco Marchetti, <i>Chair</i>	Italy
Prof. Bill Slee	United Kingdom
Dr. Zoltán Somogyi	Hungary
Prof. Bo Jellesmark Thorsen	Denmark

Staff in 2013

In 2013 170 staff members from 35 different countries worked at EFI, contributing to total of 115 person-years to the Institute's activities.

Directors

Risto Päivinen	Director	Finland
Marc Palahí	Deputy Director	Spain
Total person years = 2		

Sustainability and Climate Change

Marcus Lindner	Head of Programme	Germany
Michael den Herder	Researcher	The Netherlands
Joanne Fitzgerald	Senior Researcher	Ireland
Anniina Haatanen	Scholarship Researcher	Finland
Gediminas Jasinevicius	Researcher	Lithuania
Janne Kiljunen	Junior Software Developer	Finland
Salvatore Martire	Researcher	Italy
Alexander Moiseyev	Senior Researcher	Russian Federation
Tommi Suominen	Software Development Team Leader	Finland
Yitagesu Tekle	Researcher	Ethiopia
Diana Tuomasjukka	Senior Researcher	Germany
Simo Varis	Software Developer	Finland
Hans Verkerk	Senior Researcher	The Netherlands
Sergey Zudin	Senior Software Developer	Russian Federation
Elena Zudina	Programming Assistant	Russian Federation
Total person years = 12.67		

Foresight and Policy Support

Lauri Hetemäki	Head of Programme	Finland
Tim Green	Researcher	UK
Elias Hurmekoski	PhD Researcher	Finland
Päivi Pelli	Researcher	Finland
Total person years = 3.48		

Forest for Society

Robert Mavsar	Head of Programme	Slovenia
Total person years = 0,5		

FLEGT & REDD Facilities

Heiko Liedeker	Head of Unit	Germany
Jussi Viitanen	Deputy Head of Unit	Finland
Melissa Othman	Governance Team Leader	USA
Tomi Tuomasjukka	Analyst Team Leader	Finland
Vincent Van den Berk	Regional Coordination Asia (Team Leader)	The Netherlands
Tim Dawson	FLEGT Facilitator (Vietnam)	UK
Thomas de Francqueville	Legal Assurance System Expert	France
Didier Devers	Governance Expert	Belgium
Julia Falconer	Expert	UK
Alexander Hinrichs	Regional Coordination Asia (Team Leader)	Germany
Marketta Juppi	Governance Expert	Finland
Iola Leal Riesco	Governance Expert	Spain
Aimi Lee	Senior Policy Analyst	Malaysia
Alain Penelon	Senior Governance Expert	France
Edward Pepke	Senior Policy Analyst (Timber Trade)	USA
Thomas Pichet	Legality Assurance System Team Leader	France
Xavier Rossi	Legal Assurance System Expert	France
Sebastian Schrader	Legality Assurance Systems Expert	Germany
Tom Ter Horst	Communication Officer	The Netherlands
Lea Turunen	Governance Expert	Finland
Morne Van der Linde	Legality Assurance System (LAS) Expert	South Africa
Valérie Merckx	REDD Team Leader	France
Adeline Dontenville	Junior REDD Expert	France
Leif John Fosse	REDD Expert	Norway

Alessandro Trevisan	Junior REDD Expert	Italy
Thomas Sembres	REDD Expert	France
Christophe Van Orshoven	REDD Expert	Belgium
Niina Verkerk	Internal Support Team Leader	Finland
Anne Anantom	Administrative Officer	Malaysia
Carole Cargill	Administrative Officer	UK
Päivi Halonen	Financial Officer	Finland
Heli Hietala	Junior Legal Counsel	Finland
Piia Ikonen	Financial Assistant	Finland
Virpi Ilvonen	Administrative Officer	Finland
Tiina Joutsenvaara	Administrative Officer	Finland
Maria Kasprzak	Administrative Officer	Poland
Mervi Kempas	Financial Assistant	Finland
Raquel Marcos del Rivero	Administrative Assistant	Spain
Dahnyor Molkan	Administrative Assistant	Malaysia
Sandra McGuire	Communication Team Leader	Canada
Andreu Abuín López	Digital Communication Systems Development Expert	Spain
Roser Cabré-Verdiell Surribas	Communication Expert	Spain
Laura Furones	Communication Expert	Spain
Edith Johnson	Communication Expert	USA
Juliane Lemcke	Communication Expert	Germany
Alba Pueyo Muñoz	Communication Assistant	Spain
Total person years = 40.17		

Atlantic European Regional Office – EFIATLANTIC

Christophe Orazio	Head of Office	France
Claudia Antoniotti	Administrative Officer	Portugal
Beatrice Carnus	Acting Networking and Communications Officer	New Zealand
Rebeca Cordero Montoya	Junior Researcher	Costa Rica
Luisa Di Lucchio	Researcher	Italy
Noémie Emeriau	Research Assistant	France
Stephanie Hayes	Networking and Communications Officer	UK
Margot Regolini	Junior Researcher	France
Total person years = 4.96		

Central European Regional Office – EFICIENT-OEF

Andreas Schuck	Head of Office	Germany
Patrice Harou	OEF Manager	Belgium
Jo Van Brusselen	OEF Manager	Belgium
Tanya Baycheva	Researcher	Bulgaria
Francesca Ferranti	Researcher	Italy
Alexander Held	Researcher	Germany
Hubert Inhaizer	Project Leader	Hungary
Daniel Kraus	Project Leader	Germany
Frank Krumm	Senior Researcher	Germany
Barbara Lacor	Communications Assistant	France
Christopher Prins	Senior Advisor	UK
Christelle Rambour	Project Assistant	France
Paul Rougieux	Research Assistant	France
Brice van Haaren	Research Assistant	Belgium
Verena Quadt	Researcher	Germany
Karoline Wehrhausen	Research Assistant	Germany
Total person years = 11.75		

Central-East and South-East European Regional Office – EFICEEC-EFISEE

Bernhard Wolfslehner	Head of Office	Austria
Marko Lovrić	EFISEE Manager	Croatia
Filip Aggestam	Researcher	Austria
Antonija Beuk	Administrative Assistant	Croatia
Patrick Huber	Researcher	Austria
Alice Ludvig	Senior Researcher	Austria
Helga Pülzl	Senior Policy Analyst	Austria
Gerhard Weiss	Work Area Leader	Austria
Nataša Lovrić	Researcher	Croatia
Saša Danon	Researcher / Administrative Officer	Croatia

Ivana Živojinovic	Researcher	Serbia
Doni Blagojevic	Vice Project Coordinator, FOPER II	Bosnia
Margaret Shannon	Project Coordinator, FOPER II	USA
Total person years = 12		
Mediterranean Regional Office – EFIMED		
Inazio Martinez de Arano	Head of Office	Spain
Sarah Adams	Communications & Project Officer	UK
Elena Górriz	Researcher	Spain
Mary Hirsch	Administrative and Project Assistant	UK
Verónica Miquel Torres	Administrative Assistant	Spain
Bart Muys	Senior Scientist	Belgium
Neus Pampalona Lores	Junior Researcher	Spain
Robert Nicolas	Senior Researcher	France
Victoria Sanz Montemayor	Project Manager	Spain
Elsa Varela	Researcher	Spain
Total person years = 4.63		
North European Regional Office – EFINORD		
Mika Mustonen	Head of Office	Finland
Vilis Brukas	Researcher	Lithuania
Peichen Gong	Senior Researcher	China
Ragnar Jonsson	Researcher	Sweden
Desiree Mattsson	Administrative and Communication Assistant	Sweden
Total person years = 2		
HR & Administration		
Emi Pesonen	Head of HR and Administration	Japan
Jerker Brolén	Legal Counsel	Sweden
Petri Hukka	ICT & Property Manager	Finland
Arto Lemettinen	ICT Officer	Finland
Katri Rätty	Director's Personal Assistant	Finland
Riitta Sorri	Administrative Officer	Finland
Tiia Viitamäki	Human Resources Officer	Finland
Total person years = 6.19		
Finance		
Kirsi Loisa	Head of Finance	Finland
Riitta Makkonen	Administrative Officer	Finland
Annikka Mustonen	Financial Officer	Finland
Paula Ratinen	Financial Officer	Finland
Total person years = 4		
Communication		
Anu Ruusila	Head of Communications	Finland
Rachael Colling	Communications Officer (Web and project communications)	UK
Satu Ikonen-Williams	Communications Officer	Finland
Maria Jalavisto	Communications Assistant/ Membership Liaison Officer (Acting)	Finland
Minna Korhonen	Managing Editor	Finland
Henna Snellman	Membership Liaison Officer (on leave)	Finland
Ulla Vänttinen	Event & Project Officer	Finland
Total person years = 6.42		
Research and Policy Support Coordination		
Leena Salminen	R&D Support Manager	Finland
Jarkko Heikkinen	Administrative Officer	Finland
Katriina Pajari	R&D Administrator	Finland
Senni Piirainen	Acting Project Officer	Finland
Niina Valbuena	Project Officer	Finland
Total person years = 2.82		
EFI Barcelona		
Mercedes Rois Díaz	Office Manager	Spain
Samuel Afonso de la Hoz	ICT Assistant	Spain
Total person years = 1.46		

Brussels Liaison Office

Harald Mauser Liaison Officer Austria

Foundation for European Forest Research Grants

Zhengyang Hou Scholarship Researcher China
Ruben Valbuena Scholarship Researcher Spain

Trainees

Cosovic Marija EFICIENT-OEF Serbia
Mathias Cramm Sustainability and Climate Change Finland
Javier Cuesta Foresight and Policy Support Spain
Sarah Fermet-Quinet EFIATLANTIC France
Alan Ferreira Batista EFICIENT-OEF Brazil
Alexandru Giurca EFINORD Romania
Anastasia Glazunova Research and Policy Support Coordination Russian Federation
Ville-Valtteri Immonen Sustainability and Climate Change Finland
Veera Juusti Sustainability and Climate Change Finland
Emmi Kakkonen Sustainability and Climate Change Finland
Jeroen Koks FLEGT&REDD The Netherlands
Jasper Louman FLEGT&REDD The Netherlands
Heikki Manninen Foresight and Policy Support Finland
Alejandro Matos Lopez Sustainability and Climate Change Spain
Md Mohitul Hossain Sustainability and Climate Change Bangladesh
Aki Pirttiala HR & Administration Finland
Maarit Puhakka FLEGT&REDD Finland
Andre Purrel Foresight and Policy Support Estonia
Tonya Smith Sustainability and Climate Change Canada
Päivi Strandén Research and Policy Support Coordination Finland
Vesa Vepsäläinen Sustainability and Climate Change Finland
Vincent Verdugt Sustainability and Climate Change Belgium
Emma Viitanen EFI Barcelona Finland

EFI Projects 2013

■ SUSTAINABILITY AND CLIMATE CHANGE PROGRAMME

MOTIVE – Models for Adaptive Forest Management

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, coordinating 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 |

VOLANTE – Visions of Land Use Transitions in Europe

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, the identification of pathways towards desired land use visions 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

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 |

SUFAREL – Qualifications Framework for Sustainable Forestry and Lifelong Learning

SUFAREL will focus on improvement of the quality of Russian (RU) higher professional education in forestry by development of the Qualification Framework (QF) in sustainable forestry and lifelong learning (LLL) in cooperation between RU and EU Universities. A considerable part of the project is devoted to the development of new e-courses, a network of the professionals to sustainably continue promotion of the SUFAREL results. EFI will provide its expertise in the assessment of climate change impacts and development of adaptation strategies to better cope with and/or mitigate climate change and its ToSIA tool (Tool for Sustainability Impact Assessment).

EFI'S ROLE: PARTNER. | 2011–2014 |

BioE-bioD – Bioenergy and Biodiversity in 2020 and beyond

The bioE-bioD project applies the Tool for Sustainability Impact Assessment (ToSIA) to project and evaluate alternative future forest resource use scenarios in Eastern Finland. The project will conduct a sustainability impact assessment of proposed forest resource use scenarios related to the Finnish Long-term Climate and Energy Strategy and the EU target of halting biodiversity loss by 2020, to analyze possible conflicts and trade-offs and to identify the most sustainable resource use alternatives.

EFI'S ROLE: COORDINATOR. | 2011–2014 |

OPERAs – Operational Potential of Ecosystem Research Applications

The OPERAs project aims to improve understanding of how ecosystem services (ES) and natural capital (NC) contribute to human well-being in different social-ecological systems in inland and coastal zones, in rural and urban areas, related to different ecosystems including forests and fresh water resources. Research done in OPERAs will establish whether, how and under what conditions the ES/NC concepts can move beyond the academic domain towards practical implementation in support of sustainable ecosystem management. EFI coordinates the Work Package 4, 'Instruments'. The Programme Sustainability and Climate Change and Regional Office EFICEEC are involved in this project.

EFI'S ROLE: PARTNER. | 2012–2017 |

CASTLE – Careers in Sustainability Excellence (Marie Curie ITN)

In the CASTLE project the selected researchers are expected to undertake transnational mobility in order to implement an Individual Research Project (IRP) at one of the consortium partner institutions, as well as to participate in a joint network training programme. The scientific program of CASTLE refines and improves state-of-the-art sustainability assessment methods and applies them to current sustainability challenges in industry and policy making. EFI hosts two early stage researchers and coordinates the project.

EFI'S ROLE: COORDINATOR. | 2012–2016 |

INFRES – Innovative and Effective Technology and Logistics for Forest Residual Biomass Supply in the EU

The aim of the INFRES project is to accelerate the technological development and open new paths to EU's renewable energy targets by producing research based knowledge, technological solutions and service innovations for forest residue feedstock supply. The project aims at high efficiency and precise deliveries of woody feedstock to heat, power and biorefining industries. EFI is involved in providing assessments on economic, environmental and social sustainability impacts for innovative demonstration cases by quantifying changes caused by new technologies and selected scenarios compared to business-as-usual operations.

EFI'S ROLE: PARTNER. | 2012–2015 |

Framework Contract for Services in the Field of Policy Development and Assessment in Relation to Climate Change

This is an overall Framework Agreement with DG Climate Action for services in the field of policy development and assessment in relation to climate change. Tasks are defined on subcontract basis.

EFI'S ROLE: SUBCONTRACTOR. | 2012–2016 |

FAO-Scenario-Outlook-Study – Approaches and Tools to Support Participatory Scenario and Outlook Development Processes in the Context of National Forest Policy Development

The objective of this study is to provide an overview of options and a compilation of approaches, support materials and tools to practically support steps necessary to conduct participatory scenario / outlook development processes at national or sub-national levels in the context of national forest programmes / forest policy reviews or revisions. The study is carried out jointly by the Programmes Sustainability and Climate Change, Foresight and Policy Support and the Regional Offices EFIMED and EFICEEC.

EFI'S ROLE: COORDINATOR. | 2012–2013 |

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 Programme Sustainability and Climate Change contributes by a study to analyse drivers of deforestation and degradation and FLEGT-REDD synergies in two African countries.

EFI'S ROLE: PARTNER. | 2009–2014 |

Forest Biomass for Energy in the EU: Current Trends, Carbon Balance and Sustainable Potential

The study aims to clarify implications of increasing forest bioenergy supply for the natural environment and climate until 2020, and to estimate the amount of forest-derived biomass that could be sustainably supplied for energy uses within the EU to 2030 and 2050. The study will review biomass sources, assess direct and indirect carbon emissions of biomass use for energy, quantify scenarios of biomass use for energy and estimate their biodiversity and climate risks.

EFI'S ROLE: PARTNER. | 2013–2014 |

S2BIOM – Delivery of Sustainable Supply of Non-food Biomass to Support a “Resource-efficient” Bioeconomy in Europe

The main aim of this project is to support the sustainable delivery of non-food biomass feedstock at local, regional and pan-European level through developing strategies, and roadmaps that will be informed by a computerized and easy to use toolset (and respective databases) with updated harmonized datasets at local, regional, national and pan-European level for EU27, western

Balkans, Turkey and Ukraine. The project will build up a concise knowledge base both for the sustainable supply and logistics of nonfood biomass (quantities, costs, technological pathway options for 2020 and beyond), for the development of technology and market strategies to support the development of a “resource efficient” Bioeconomy for Europe.

EFI'S ROLE: PARTNER. | 2013–2016 |

CHARFOR – Research Project on Production Alternatives of Biochar and Wood Ashes with Sustainability Impact Assessment through ToSIA

This project aims, on one hand, to generate scientific knowledge on the effect of applying biochar and wood ashes in soil functions and to evaluate their potential to improve fertility and mitigation capacity of agroforestry soils on the Spanish Atlantic Area, and on the other, to quantitatively compare two methods of energy production based on biomass (pyrolysis and direct combustion) with the subsequent incorporation of their by-products to the soil through a life cycle analysis with a focus on energetic, economic and environmental sustainability.

EFI'S ROLE: SUBCONTRACTOR. | 2013–2016 |

■ FOREST FOR SOCIETY PROGRAMME

RegioPower – A Regional IT-based Platform for Bringing Resource Needs and Land-based Resource Production Together

RegioPower is an interdisciplinary project with a focus within the topic of ‘forest for multiple needs of society, including enhanced productivity and optimised use of forest feedstock’. The overall objective of RegioPower is to develop the prototype of an innovative software platform for moderating between a) the lignocellulosic resources demands from industry (timber for wood-products & bio-energy, other bio-energy crops from agriculture), b) land-based production of lignocellulosic resources and public demands considering the provision of ecosystem services by regional land use and land management.

EFI'S ROLE: SUBCONTRACTOR. | 2012–2014 |

STAR TREE – Multipurpose Trees and Non-Wood Forest Products, a Challenge and Opportunity

Lack of information, capacities and knowledge at different stages of the non-wood forest products (NWFP) value chain, often prevents realising the full potential of NWFP and multi-purpose trees (MPT) in generating wealth in rural areas in the context of a bio-based European economy. The goal of this project is to provide better understanding, knowledge, guidance and tools to support relevant stakeholders in optimising the management of MPT and developing innovative approaches for increasing the marketability and profitability of NWFP for a more competitive rural economy. EFI is the coordinator of the project. In addition, EFI's tasks include leading the Work Package 6, Dissemination and Exploitation (EFICEEC), as well as coordinating the Work Packages 1-5.

EFI'S ROLE: COORDINATOR. | 2012–2016 |

■ FORESIGHT AND POLICY SUPPORT PROGRAMME

HELM – Harmonised European Land Monitoring

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's 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

The overall objective of the project is 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 |

RoK-FOR – Sustainable Forest Management Providing Renewable Energy, Sustainable Construction and Bio-based Products

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 Programmes Foresight and Policy Support, Sustainability and Climate Change and Regional Offices EFI-CEE, EFIATLANTIC and EFICENT-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 |

SAT-BBE – Design of a Systems Analysis Tools Framework for the EU Bio-based Economy Strategy

SAT-BBE project brings together a consortium of internationally recognized researchers in bio-based economy and sustainability at the European and global levels. The aim of the project is to design a systems analysis tools framework using experts' broad experience of modelling the economy in the perspective of bio-based and sustainability objectives. A systems analysis tools framework has the purpose to understand the functional requirements of a bio-based economy and to measure the necessary extent for transformation of the economy as a whole

to a bio-based foundation. Programmes Foresight and Policy Support and Sustainability and Climate Change are involved in this project.

EFI'S ROLE: PARTNER. | 2012–2015 |

WP Market Outlook – Outlook for European Forest Products Markets and Trade

The project concentrates on identifying and analysing relatively long-term changes in European wood product markets and trade flows. Special emphasis is given on prospective structural breaks of the wood product industry and markets. Quantitative methods will be applied, but a single quantitative projection of the future markets will not be pursued. Furthermore, one central objective will be to provoke and stimulate discussion around the future of forest industries in general, from the aspect of modern day wood product industry. The main output of the project will be a doctoral dissertation with reference to the above mentioned topics.

EFI'S ROLE: SOLE PARTNER. | 2012–2015 |

How the Current EU Policy Framework Will Affect the European Markets for Roundwood and Forest Industry Products? – A Forest Sector Modeling Approach

The project reviews recent model based studies on European bioenergy markets, and how the EU RES and other bioenergy policies impact the forest based raw material markets in Europe. The project is financed by EFI and collaboration of the EFIMED and Foresight and Policy Support Programme and involves Professor Birger Solberg (Norwegian University of Life Sciences) as the project leader.

EFI'S ROLE: SOLE PARTNER. | 2012–2013 |

World Forest, Society & Environment IUFRO Special Project

Contributing a chapter on "Linking Global to Local Using Scenarios" to a book titled "Forests under pressure: Local responses to global issues". The book is coordinated by World Forest, Society & Environment IUFRO special project, and it will be published at the IUFRO World Congress, Salt Lake City, USA in 2014.

EFI'S ROLE: PARTNER. | 2012–2014 |

Global Forest Products: Trends, Management, and Sustainability

Contributing a chapter on "Markets and Market Forces for Pulp and Paper Products" to a book addressing the global forest products markets. The book will be published by Taylor & Francis Publishers Group, USA in 2013. The book is positioned as a time relevant handbook for scholars, practitioners, policy makers and educators in the global forest products industry. The book is edited by Professor Eric Hansen, Oregon State University; Richard Vlosky, professor, Louisiana State University; and Professor Rajat Panwar, Northland College.

EFI'S ROLE: PARTNER. | 2011–2013 |

FUTURE – EFI Study on the Future of the European Forest Based Sector

The aim of FUTURE is carry out a policy synthesis study on the outlook of European forest based sector in the long-run, and deliver the results in reports and seminars. The outputs include a What Science Can Tell Us publication, a ThinkForest Policy Brief and a ThinkForest event in the European Parliament.

EFI'S ROLE: SOLE PARTNER. | 2013–2014 |

BEST – Sustainable Bioenergy Solutions for Tomorrow

The project aims to build a solid common understanding of the future bioenergy business opportunities as well as the necessary know-how and capabilities for seizing them.

EFI'S ROLE: PARTNER. | 2013–2014 |

■ FLEGT AND REDD UNIT

Regional Support Programme for the EU FLEGT Action Plan in Asia (CONTRACT NUMBER DCI-ASIE/2008/154-192)

The overall objective of the Action Project is to improve forest governance, contributing to poverty eradication and sustainable management of natural resources in Asia, through direct support to the implementation of the EU FLEGT Action Plan. The project focuses on awareness raising and dissemination of information on the FLEGT concept, as well as technical and policy options for its implementation. The project also carries out capacity building aimed at strengthening the capacities of different stakeholders in the field.

EFI'S ROLE: COORDINATOR. | 2008–2013 |

REGIONAL OFFICES

■ MEDITERRANEAN REGIONAL OFFICE – EFIMED

NEWFOREX – New Ways to Value and Market Forest Externalities

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 |

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 |

CREEA – Compiling and Refining Environmental and Economic Accounts

The main aim of the CREEA project is to elaborate economic and environmental accounting principles, building upon decisions and discussions in the London Group, to test them in practical data gathering, and to show added value of having such harmonized data available via case studies. This will be done in the priority areas of waste and resources, water, forest and climate change / Kyoto accounting. The core goal is to identify and solve practical issues in applying the developed accounting principles, and to showcase the relevance of this practical application to policy makers, statistical offices etc. EFI coordinates the Work Package on Forest Accounts and Regional Offices EFIMED and EFICENT-OEF are involved in the project.

EFI'S ROLE: PARTNER. | 2011–2014 |

FORCOUNT – Support for the Definition of the Accounting Framework for the Integration of Forest Goods and Services in National Accounts

This project is a practical application of the knowledge gained in the CREEA project. The aim is to reach definition of adequate methodological framework for the integration of forest goods and services in national accounts of Morocco, in particular through the framing of content a Satellite Account forest. EFI's task is to assist in the development of the national forest accounts in Morocco.

EFI'S ROLE: CONSULTANT. | 2012–2013 |

FORESTERRA – Enhancing Forest Research in the Mediterranean through Improved Coordination and Integration

FORESTERRA is an ERA-NET Scheme, which is financed by the European Commission under its Seventh Framework Programme (FP7). FORESTERRA reinforces scientific cooperation on Mediterranean forests by activating a transnational EU-Mediterranean network, and initiating trans-continental cooperation among Mediterranean Climate Areas (California, Australia, South Africa and Chile). This will help to reduce the fragmentation and maximise the impact of research activities on sustainable forest management. EFI provides the secretariat for Management and Coordination in WP1 and leads WP3 – Strategic Activities.

EFI'S ROLE: PARTNER. | 2012–2016 |

TIP TREE – Scenarios for Forest Biodiversity Dynamics under Global Change in Europe: Identifying Micro-evolutionary Scale Tipping Points

The project aims to identify tipping points in the demographic and micro-evolutionary dynamics of tree populations. It will assess how human actions interfere in the adjustment between the rate of evolution and the velocity of global change. The project will a) screen the ecological and geographical margins of widespread keystone forest trees from different eco-regions, b) identify where recent

environmental changes have provoked shifts in allele frequencies at adaptive genes, c) quantify these shifts by contrasting parent and offspring genetic and phenotypic compositions and test the existence and evaluate the magnitude of tipping points for tree population dynamics at micro-evolutionary scales. EFI will assist with stakeholder interaction and the elaboration of management scenarios. It will use its networks and assist with organisation and facilitation of meetings and video conferences in order to spread knowledge and share information.

EFI'S ROLE: SUBCONTRACTOR. | 2012–2015 |

WAVES – Wealth Accounting and the Valuation of Ecosystem Services

One of the main goals of the Wealth Accounting and the Valuation of Ecosystem Services (WAVES) partnership is to implement natural capital accounting in countries around the world.

EFI'S ROLE: CONSULTANT. | 2013–2014 |

BEWATER – Making Society an Active Participant in Water Adaptation to Global Change

BEWATER aims to promote dialogue and collaboration between science and society in sustainable water management in the Mediterranean. Project partners will organise participatory processes involving scientists and other stakeholders in four pilot river basins throughout the Mediterranean (Catalonia, Cyprus, Slovenia and Tunisia). Each will identify and share the challenges of climate change in their particular region and the various water management options available, designing joint plans for adaptation to climate change in their regions. BEWATER will help to find sustainable and inclusive solutions to key challenges facing European society, to incorporate Science in Society issues into research and innovation systems and to improve transnational cooperation.

EFI'S ROLE: PARTNER. | 2013–2017 |

FFEM – Optimise the Production of Goods and Services for Mediterranean Forest Ecosystems in the Context of Global Change

The project aims to provide those responsible for managing and/or restoring Mediterranean forest areas in Algeria, Lebanon, Morocco, Tunisia and Turkey with new perspectives on the sustainable supply of goods and services provided by forest ecosystems.

EFI'S ROLE: SUBCONTRACTOR. | 2013 |

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

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. It is divided into two subprojects: 1) 'Policy and management measures for maintaining forest biodiversity within multifunctional forests in the context of the various forest

functions' – INTEGRATE I and 2) 'Forest Biodiversity in Managed and Unmanaged Forests and its Assessment through Criteria and Indicators' - INTEGRATE II. The results of the overall project will contribute to and stimulate the discussion on the topic of forest utilization and protection on the whole forest resource. Results of both sub-projects will be brought together in order to formulate conclusions and suggestions.

EFI'S ROLE: SOLE PARTNER. | 2009–2014 |

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 started in summer 2011 and it is jointly supervised by University Greifswald and Eberswalde. The University for Sustainable Development, Eberswalde and EFICIENT-OEF have coordinating and facilitating roles.

EFI'S ROLE: PARTNER. | 2009–2013 |

CI-SFM – Implementing Criteria and Indicators for Sustainable Forest Management in Europe

The project will provide an objective review of the achievements of the pan-European Criteria and Indicators (C&I) for Sustainable Forest Management (SFM), and of how they have been implemented at the European, national and local levels and in sectors other than forestry. The project will also identify challenges and develop recommendations for improving the C&I set and their further development and implementation in an evolving international environment – in consideration of European and national level needs. The project is coordinated by EFICIENT-OEF and the following EFI units are participating in the project: EFIATLANTIC, EFICEEC, EFICIENT-OEF (coordinator), EFIMED, EFINORD, as well as EFI Headquarters especially through its IT and Communication units.

EFI'S ROLE: COORDINATOR. | 2011–2013 |

Forest Ownership Map of Europe

The project 'Forest Ownership Map of Europe' is implemented as a master thesis. A master student enrolled at the University of Molise, Italy, is looking into the feasibility of building a geo-referenced map of forest ownership in Europe. This includes both public and private forest ownership. Outputs of the thesis are 1) a technical report, 2) an investigation on availability of geo-referenced map layers in European countries and 3) thematic maps on forest ownership (both printed and web based). The Sustainability and Climate Change Programme supported the study with data collected in the frame of the VOLANTE project. The first results are very encouraging as are the innovative map products. This project may enter a second phase with another master student developing and testing a methodology to produce pixel based maps on forest ownership corresponding to EFI's European forest map. This has not yet been initiated and will depend on the outcomes of the master thesis.

EFI'S ROLE: COORDINATOR JOINTLY WITH UNIVERSITY MOLISE, ITALY. | 2011–2013 |

Living with Storm Damage to Forests – What Science Can Tell Us

The project aims to contribute to making the existing knowledge on storms, from national and European level research activities, accessible in a more understandable fashion. The publication in the EFI 'What Science Can Tell Us' series intends to support policy development and create a better understanding of the whole society for storms and their impacts. The project consists of a drafting committee chaired by Barry Gardiner (currently at INRA Bordeaux) including EFIATLANTIC and an extensive network of contributing authors.

EFI'S ROLE: COORDINATOR. | 2011–2013 |

Labex ARBRE - Laboratoires d'excellence: Advanced Research on the Biology of TRee and Forest Ecosystems

The laboratory represents a broad range of high level expertise and allows establishing a unique environment for studying experimental tree biology, function ecology and wood science. Its goal is to ensure that forests retain their abilities to sustainably provide a full variety of ecosystem goods and services in a changing environment. EFI will support the project with the following activities: (1) fostering linkages between information provided by ARBRE and stakeholders at national, regional and pan-European level, (2) educating and training young researchers, (3) participating in the research task on economic valuation of forest ecosystem services and (4) supporting the dissemination of ARBRE outcomes.

EFI'S ROLE: PARTNER. | 2012–2019 |

COOL – Competing Uses of Forest Land – The Future of Integrative and Segregative Policy and Forest Management Approaches in Europe

The COOL project focuses on integrate and segregative forest management approaches related to the use of wood for energy. The main objective of COOL is to investigate how different forest management approaches within the involved five European countries (Finland, Germany, Norway, Slovenia and Spain) can be developed in order to meet potentially increasing demand of energy wood while taking into account other relevant forest ecosystem services and objectives (e.g. nature conservation, timber production, recreation) in an appropriate manner.

EFI'S ROLE: PARTNER. | 2012–2014 |

INTEGRATE+ – Establishing a European Network of Demonstration Sites for the Integration of Biodiversity Conservation into Forest Management

The aim of the Integrate+ project is to establish demonstration sites in main forest types in Europe with a focus on implementation of integrative concepts to allow for transnational exchange of experiences. By building on a qualification framework and developing innovative IT tools including mobile training software applications practitioners will be enabled to perform virtual tree selection exercises under different scenarios and forest management strategies.

EFI'S ROLE: COORDINATOR. | 2013–2016 |

FRISK-GO – Start-Up Project for a European Forest Risk Facility

Options for establishing a facilitation platform – 'a European Forest Risk Facility' – were initiated jointly with EFI member organizations, EFI member countries and EFIATLANTIC, and were brought together in a concept note and further in a comprehensive scoping study. The scoping study describes in more detail thematic areas and evaluates possible options for building a European Forest Risk Facility with an overall aim of mainstreaming risks as integral part of sustainable forest management and policy development.

EFI'S ROLE: SOLE PARTNER. | 2013–2015 |

Development of Good Practice Guidance for Cost-benefit Assessment

The project aims to develop good practice guidance for cost-benefit assessment and profitability studies in the forest sector, for a clientele ranging from forest investors and forest managers to forest institutions. For this purpose several experts were contracted to develop texts on specific topics. A website finweb.efi.int on forest investment analysis was developed and launched, and needs to be promoted with forest economics lecturers to facilitate its uptake. The guidance will be published in several EFI Technical Reports. This is a project in cooperation with Forests for Society Programme and INRA/AgroParisTech Laboratory for Forest Economics.

EFI'S ROLE: COORDINATOR. | 2012–2014 |

Global Forest Products Model Customization to European Countries

The objective is to forecast demand, supply, trade and price of forest products for Europe. The open source GFPM forest sector model will be calibrated for the European context to guide investments, to simulate policy scenarios at the national and European levels and with the aim to contribute to the next FAO ECE Outlook study. The work also comprises more specific studies of the potential impact of a transatlantic trade and investment partnership on the global forest sector as well as estimates structural brakes in time series of forest products demand in European Countries.

EFI'S ROLE: COORDINATOR. | 2013–2015 |

■ ATLANTIC EUROPEAN REGIONAL OFFICE – EFIATLANTIC

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

The aim of the project is to set up an infrastructure to monitor climate change impact and adaptation from United Kingdom to Portugal. This project built up a network of field trials made of 38 arboreturns with the same genetic material and 41 demonstration sites to assess adaptation of forests to climate change, all monitored with the same protocol and an online database for common analyses. It will also contribute to the inventory of long term monitoring trials Europe.

EFI'S ROLE: COORDINATOR. | 2009–2013 |

INTEGRAL – Future-oriented Integrated Management of European Forest Landscapes

The aim of this project is to describe the policy effect on forest landscapes. EFIATLANTIC runs forest landscape simulations on the Aquitaine case study in cooperation with IRSTEA that provides the social sciences inputs. As an output there will be a decision support tool to simulate agents' behaviour and consequences on forest landscapes. This landscape simulator is based on CAPSIS software and is co-developed by EFIATLANTIC. EFI'S ROLE: PARTNER. | 2011–2015 |

FORRISK – Réseau Pour l'innovation Dans les Sylvicultures et les Systèmes de Gestion Intégrée des Risques en Forêt

The main aim of the project is to improve integrated risk management. Forests are affected by many damaging agents and each agent requires specific management to reduce the risk. As a result, when a stand is potentially affected by many agents, you can obtain contradictory recommendations for the same area. Only an integrated approach can tackle these contradictions. The project will improve integrated management at regional, stand and decision support tool level. EFI is responsible for overall coordination of the project.

EFI'S ROLE: COORDINATOR. | 2012–2014 |

BIORISK – Interface Position with INRA on Biotic Risk under Climate Change

The main objective of the project is to develop and test a methodological framework for biotic risk analysis through the study of each of its three components. Two models based on two different approaches will be used to test the effects of climate change and forest management on biotic risks: (1) a mechanistic model based on a well-documented case study (pine processionary caterpillar); and (2) a semi-quantitative generic model able to integrate several hazards. Existing data from thesis, research projects and regional studies will be gathered, analyzed and integrated in order to elaborate and test these models in the context of planted forests. EFI coordinates the project and EFI's tasks in the project include developing the models, writing publications, transferring knowledge to other partners and supporting risk related projects.

EFI'S ROLE: COORDINATOR. | 2012–2015 |

XYLOWEB – Communication Action on Prospective Studies in Aquitaine: Web Documentary

The main objective of the project is to design and implement an online multimedia product on prospective works for forest sector in Aquitaine. EFIATLANTIC website will host the online documentary.

EFI'S ROLE: COORDINATOR. | 2013–2014 |

SIMWOOD – Sustainable Innovative Mobilisation of Wood

The SIMWOOD project aims to promote collaborative wood mobilisation in the context of multifunctional forest management across European forest regions. It targets forest owners and stakeholders to spread integrated, transferable solutions and viable policies that can unlock immobile forest resources, and ensure sustainable forest functions.

EFI'S ROLE: PARTNER. | 2013–2017 |

CCMA – Cambio Climatico Monitorizacion en Arboretos

Climate change is one of the main issues for forest sector and an infrastructure such as REINFFORCE can actively contribute to a better understanding of forest species response to various aspects of climate change. The objectives of this project include maintaining trial sites, collecting and analysing a first set of data from the REINFFORCE project trials in Aquitaine and Euskadi regions.

EFI'S ROLE: COORDINATOR. | 2013–2014 |

■ CENTRAL-EAST AND SOUTH-EAST EUROPEAN REGIONAL OFFICE – EFICEEC-EFISEE

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 |

ARANGE – Advanced Multifunctional Forest Management in European Mountain Ranges

ARANGE will evaluate the consequences of changing climate and socio-economic conditions for the provision of portfolios of ecosystem services by mountain forests. The project includes a wide range of forest types in the major European mountain ranges and seeks to develop and evaluate strategies for their multifunctional management under risk and uncertainty. The overall aims of ARANGE are 1) to investigate the potentials and limitations of current and possible future approaches to mountain forest management for providing portfolios of ecosystem services under current and future climatic and socio-economic conditions; 2) to identify related risks and uncertainties; and 3) to translate the scientific state of knowledge about the efficient provision of multiple ecosystem services from mountain forests into decision support for policy makers and forest practitioners, so as to improve the robustness of planning tools in real world decision making. EFI's tasks in the project consist of stakeholder interaction, dissemination, exploitation plan and policy analysis.

EFI'S ROLE: PARTNER. | 2012–2015 |

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

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 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 NFPs 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 NWFPs 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: COORDINATOR. | 2009–2013 |

The Current International Policy Environment Affecting European Forests: Analyzing New Policy Approaches and Institutional Innovations for Improved Forest Policy Cohesion and Effectiveness in Europe

In the framework of ThinkForest, EFI conducts a specific project to support the starting-up of the forum by investigating, collecting, structuring and synthesizing existing knowledge and expert views on the current international policy environment affecting European forests and analyzing new policy approaches and institutional innovations for improved forest policy cohesion and effectiveness in Europe. EFI coordinates the project and results include a Discussion Paper and a Policy Brief to be completed in 2013. EFICEEC provides the scientific coordination and supervision.

EFI'S ROLE: COORDINATOR. | 2012–2013 |

NORTH EUROPEAN REGIONAL OFFICE – EFINORD

Maintenance and Development of NB Forest Portal

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 main target group is researchers, secondary also decision makers, politicians, official bodies, organisations, and individuals with an interest in the forest sector. In the first phase of the project (Creating a Nordic-Baltic Information Service for Forests and Forestry 2010–2011) the portal was constructed and launched. In the second phase the information system will be consolidated, including the content provisioning and development projects of the site.

EFI'S ROLE: COORDINATOR TOGETHER WITH SNS. | 2011–2014 |

EUSBSR Flagship – European Union Strategy for the Baltic Sea Region (EUSBSR) and its Action Plan, Priority Area Agri: “Sustainable Forest Management in the Baltic Sea Region – EFINORD”

The EFINORD flagship (“Sustainable Forest Management in the Baltic Sea Region - EFINORD” Flagship project) is coordinating forest-related projects implementing the EU Baltic Sea strategy, Priority Agri. The coordination is divided between three bodies with limited resources to implement the work. The aim is to ensure the resources for sound management of the flagship project. The project will facilitate development of the external communication, as well as internal communication, i.e. communication between the various flagship projects. The project will also enhance networking by organising joint meetings for the flagship projects.

EFI'S ROLE: COORDINATOR TOGETHER WITH MINISTRY OF AGRICULTURE AND FORESTRY AND SNS. | 2011–2014 |

Facts and Figures of the EFINORD Forest Sector

The aim of the study is to describe prerequisites for forestry and to discuss possibilities for intensive forest management and increased increment of forests in EFINORD countries in short- and long-term. It is the baseline study for the EFINORD work plan Biomass Production and Intensive Forest Management. The work is a desk study and the review is compiled by a lead author from Swedish University of Agriculture Sciences (SLU). A network of contact points in the countries will be established and these experts will be called upon to review findings/conclusions regarding their respective countries, to fill in missing, mainly statistical, information and to respond to special inquiries concerning silvicultural methods and forest policy.

EFI'S ROLE: COORDINATOR TOGETHER WITH SLU. | 2011–2013 |

Short Rotation Forestry on Former Agricultural Land

The project focuses on short rotation forestry and combined production of pulpwood, energy wood and logs on abandoned agricultural lands in the following topics: 1) growth development of fast-growing deciduous stands, 2) economics of forest plantations 3) biodiversity of forest plantations, 4) forest plantations and climate change and 5) hybrid Aspen. The project is coordinated by Estonian University of Life Sciences. EFI outputs consist of publications and articles.

EFI'S ROLE: PARTNER. | 2011–2014 |

Energy Markets Around the Baltic Sea region

The project aims to produce a prototype model and network of Baltic Sea states contributing to examine the following questions: i) what are the markets prospects (supply, demand, and international trade) for wood biomass and wood based energy in the countries around the Baltic Sea (BSCs)? ii) What are the plausible future policies which might affect the use of wood for energy in these countries? Do these policies cause competition over wood biomass across the BSCs and between alternative end uses of wood? iii) What is the resulting role of wood biomass in the future energy palette in the BSCs? The project will start with a background study to be introduced in the first networking meeting in August 2014. Metla, UMB, SLU and EFINORD are involved in the core group.

EFI'S ROLE: PARTNER. | 2013–2015 |

Forest Bioenergy for Europe – What Science Can Tell Us

The project enables specialists from various regions to give an updated view of the strengths, weaknesses, opportunities and threats of the forest based bioenergy sector. Value chains related to forest bioenergy are analysed on the basis of scientific knowledge and information to set the scene for future bio-economy and bio-energy policies in the EU and the Member states. The project has a drafting committee led by Paavo Pelkonen, Emeritus Professor, from University of Eastern Finland, and an extensive network of authors including also experts from outside Europe. The outputs include a WSCTU book, a ThinkForest Brief and a Think Forest event in the European Parliament.

EFI'S ROLE: COORDINATOR | 2013–2014 |

■ RESEARCH AND POLICY SUPPORT COORDINATION UNIT

EEA Framework Agreement: Lot 2 Forests – EEA Tender for Framework Contract for Support on Agriculture and Forests: 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. In 2013 the Sustainability and Climate Change contributed to a study on mapping High Nature Value forests carried out by the Italian Academy of Science. EFICEEC contributed a forest policy review chapter to the forthcoming EEA forest report.

EFI'S ROLE: COORDINATOR. | 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 |

Trees4Future – Designing Trees for the Future

The long-term objective of Trees4Future is to provide the whole European forestry community with an easy and comprehensive access to complementary sources of information and expertise to optimise the short and long-term exploitation of the forest resources by both the research community and the socio-economic players. Providing access to the wider research community to a wide variety of forestry research infrastructures via the project will enable Trees4Future to improve, coordinate and validate its offer to the European and International researchers from both public and private sectors and thus ensure the future sustainability of the consortium as well as that of the wider European Forestry community at large. EFI is the vice coordinator of the project. EFIATLANTIC contributes to the inventory and analyzes the existing trials in genetics. Synergies with existing tools available on the EFIATLANTIC webpage on long-term monitoring trials will be developed. Research and Policy Support Coordination unit, Regional Office EFIATLANTIC and Programme Foresight and Policy Support are involved in this project.

EFI'S ROLE: PARTNER. | 2011–2015 |

ThinkForest – a European High-level Forum on the Future of Forests

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, fundraising and networking with the key actors. Research and Policy Support Coordination unit and Regional Office EFIMED are involved in this project.

EFI'S ROLE: COORDINATOR. | 2010–2013 |

■ EU FLEGT AND REDD FACILITIES

The EU FLEGT Facility and EU REDD Facility support the European Union, EU countries, other country governments and forest stakeholders in implementing the EU FLEGT Action Plan and developing national REDD+ frameworks. With a staff of 44 people, the two facilities work in more than 30 countries in Africa, Asia and Latin America. The facilities' offices are in Barcelona, Spain, with additional offices in Brussels, Belgium, and Kuala Lumpur, Malaysia. Financial administration is carried out at EFI Headquarters in Joensuu, Finland. FLEGT stands for forest law enforcement, governance and trade. REDD stands for reducing emissions from deforestation and forest degradation.

In 2013, the EU REDD Facility refined its strategic direction, implemented actions to support emerging REDD+ national policies and brought national level experience to policy discussions at EU level. Implementation of the 2013 work plan progressed according to plan. Management shared for consultation the strategy paper for the EU REDD Facility. The strategy focuses on three pillars: institutions and capacity for land-use governance; land-tenure and land-use planning; and decoupling commodity markets from deforestation. The Facility has positioned itself through pilot actions as a partner in informing emerging REDD+ national policies in key REDD+ countries, Cote d'Ivoire, Democratic Republic of the Congo Indonesia and Republic of the Congo. The Facility also refined its intervention strategies in Indonesia and Vietnam. Facility experts' experience with national planning processes and pilot actions informed policy discussions at EU and global levels. The EU REDD Facility initiated collaborative agreements with leading environmental institutions in Brazil to draw on Brazil's experience to share with other countries including Democratic Republic of the Congo and Indonesia.

In 2013, the EU FLEGT Facility provided flexible, responsive support for the EU FLEGT Action Plan in three areas: Voluntary Partnership Agreement (VPA) process support; regional action and collaborative work with other consumer

markets that source from VPA partner countries; and communication, knowledge sharing and capacity building. The Facility supported VPA processes in six implementing countries (Cameroon, Ghana, Indonesia, Liberia, Central African Republic and Republic of the Congo) and seven negotiating countries (Cote d'Ivoire, Democratic Republic of the Congo, Guyana, Honduras, Malaysia, Thailand and Vietnam).

The Facility's support for VPA countries revealed trends in the VPA landscape, lessons and coming challenges, particularly in the areas of system development and in verification and compliance testing. System development is advancing in several countries. Joint shipment tests conducted by Indonesia and the EU helped VPA countries and EU member states refine import and export procedures for when FLEGT licences arrive in the EU. The Facility supported the first full evaluation of a country's timber legality assurance system to determine readiness for licensing. Verification and compliance testing advanced in Central African countries, helping companies identify compliance challenges they may encounter when FLEGT licensing begins and identifying gaps in the capacity of government agencies involved in verification procedures. The Facility also supported EU-VPA country reporting on VPA progress.

Throughout 2013, the Facility shared information and knowledge directly with VPA country stakeholders and indirectly through the FLEGT website, Capacity4dev, new media and new publications. The Facility also helped to prepare the EU market for FLEGT-licensed timber through initiatives with trade media, workshops and events.

Renewed funding for the facilities under multiyear agreements continued as expected. The EU and the United Kingdom continue to support the major portion the Facilities' work. The EU amended the existing agreement in December, committing an additional EUR 9 million to the contract. The facilities received renewed support from Finland, France, Ireland, Netherlands, Spain and the United Kingdom. In 2013 the Netherlands substantially increased its funding, allocating EUR 4 million and Germany became a new member of the donor group.

List of Events 2013

4th International Conference: Strategies on Forest Fire Prevention in the Southern European Forests

- 7–9 January, Bordeaux, France
- Organisers: EFIATLANTIC, USSE, IEFC, ARDFCI
- Number of participants and countries: 70/6

ThinkForest Seminar: European Forest Governance – Issues at Stake and the Way Forward

- 9 January, Brussels, Belgium
- Organisers: EFI
- Number of participants and countries: 126/19

MEDFOR Winter School & International Students Event

- 14 January – 8 February, Palencia, Spain
- Organisers: University of Valladolid, Technical University of Lisbon, EFIMED
- Number of participants and countries: 49/19

International Symposium: Integrative Approaches as an Opportunity for Conservation of Forest Biodiversity

- 23–26 January, Freiburg, Germany
- Organisers: INTEGRATE, EFICIENT-OEF
- Number of participants and countries: 63/11

III Mediterranean Forest Week

- 17–21 March, Tlemcen, Algeria
- Organisers: Algerian government, French Ministry of Agriculture, Food and Forestry, FAO, Silva Mediterranea, GIZ, Plan Bleu, MMFN, AIFM, CTEC
- Number of participants and countries: 250/15

Winter Summer School 2013 (Week 1): Making Values Work – Sustaining Multiple Values in Managed Forests

- 17–22 March, Belin-Beliet, France
- Organisers: EFICIENT-OEF, EFIATLANTIC, EFICEEC, EFISEE, EFI, FOPER
- Number of participants and countries: 25/11

Implementing Criteria and Indicators for Sustainable Forest Management: Regional Workshop

- 26–27 March, Zagreb, Croatia
- Organisers: CI-SFM, EFI
- Number of participants and countries: 20/5

ThinkForest Seminar: Opportunities and Challenges in Meeting Renewable Energy Targets from Forest Biomass – an EU Perspective

- 11 April, Brussels, Belgium
- Organisers: EFI
- Number of participants and countries: 49/10

3rd Sub-Regional Training Workshop on Timber Legality Assurance System (TLAS)

- 22–24 April, Kuala Lumpur, Malaysia
- Organisers: EFI, ASEAN Secretariat
- Number of participants and countries: 50/9

Implementing Criteria and Indicators for Sustainable Forest Management: Regional Workshop

- 23–24 April, Budapest, Hungary
- Organisers: CI-SFM, EFI
- Number of participants and countries: 20/5

ThinkForest Seminar: Climate Change in European Forests – How to Adapt

- 25 April, Brussels, Belgium
- Organisers: EFI
- Number of participants and countries: 73/18

Natural Disturbance – Post-Modern Lessons for Land Managers about Some Important Ecological Processes

- 29 April – 3 May, Neuschönau, Germany
- Organisers: Bavarian Forest National Park, EFICIENT-OEF
- Number of participants and countries: 136/15

CASTLE Training

- 6–10 May, Mekkijärvi, Finland
- Organiser: EFI
- Number of participants and countries: 17/13

Third International Congress on Planted Forests

- 16–21 May, Lisbon, Portugal
- Organisers: EFIATLANTIC, FAO, USSE
- Number of participants and countries: 193/37

Implementing Criteria and Indicators for Sustainable Forest Management: Regional Workshop

- 20–21 May, Estoril, Portugal
- Organisers: CI-SFM, EFI
- Number of participants and countries: 20/5

EFICIENT - OEF Workshop on Cost-Benefit Analysis of Forest Investment Projects

- 21 May, Nancy, France
- Organisers: EFICIENT-OEF, LEF
- Number of participants and countries: 14/4

Joensuu Forestry Networking Week 2013: Options to Meet the Increased Demands for Forest Biomass in Europe

- 27–31 May, Joensuu, Finland
- Organisers: EFI, Metla, NKUAS, UEF
- Number of participants and countries: 46/16

20 Years of Forest Networking in Europe

- 7 June, Joensuu, Finland
- Organisers: EFI
- Number of participants and countries: 96/8

St. Petersburg Summer School 2013

- 8–12 July, St. Petersburg, Russian Federation
- Organisers: EFI, St. Petersburg Forest Technical University, FOPER, ICFI, FORPEC, University of Padova, CBU, Metla, UEF, Centre for Independent Social Research
- Number of participants and countries: 38/10

EFIMED Annual Meeting

- 3–6 September, Barcelona, Spain
- Organisers: EFIMED, CTFC, MINECO
- Number of participants and countries: 122/22

EFICIENT-OEF Workshop on Forest Investment Profitability

- 23 September, Nancy, France
- Organisers: EFICIENT-OEF, LEF
- Number of participants and countries: 18/6

EFICIENT-OEF Workshop on Forest Sector modelling

- 24 September, Nancy, France
- Organisers: EFICIENT-OEF, LEF
- Number of participants and countries: 13/7

EFI 2013 Annual Conference

- 24 September, Nancy, France
- Organisers: EFI
- Number of participants and countries: 120/26

EFI 20 Years: Our Forests in the 21st Century – Ready for Risks and Opportunities?

- 25–27 September, Nancy, France
- Organisers: EFI, INRA, AgroParisTech – ENGREF, University of Lorraine, ECOFOR, n fz.forestnet, EFICIENT-OEF
- Number of participants and countries: 241/26

EFICIENT-OEF Annual Meeting

- 26 September, Nancy, France
- Organisers: EFICIENT-OEF
- Number of participants and countries: 30/5

Winter Summer School 2013 (Week 2)

- 30 September – 4 October, Pichl, Steiermark, Austria
- Organisers: EFICEEC-EFISEE, EFICIENT-OEF, EFIATLANTIC, EFI, FOPER
- Number of participants and countries: 25/11

Implementing Criteria and Indicators for Sustainable Forest Management: Pan-European Forum

- 8–9 October, Vienna, Austria
- Organisers: CI-SFM, EFI, BOKU
- Number of participants and countries: 40/10

Workshop on Climate Change and Forestry in Northern Europe

- 11–12 November, Uppsala, Sweden
- Organisers: EFINORD, Future Forests Programme
- Number of participants and countries: 50/6

European Forest Sector: Structural Changes towards Bioeconomy

- 22 November, Helsinki, Finland
- Organisers: EFI
- Number of participants and countries: 60/6

ThinkForest Event on Future of European Forest Governance

- 27 November, Brussels, Belgium
- Organisers: EFI
- Number of participants and countries: 29/11

Experiences and Future of Sustainable Forest Management in Europe

- 12 December, Rovaniemi, Finland
- Organisers: FOREST EUROPE, CI-SFM, Metla, EFI
- Number of participants and countries: 35/ 12

ThinkForest Event on Emerging Opportunities for EU-Russia Cooperation on Forest-based Sector Governance

- 13 December, Rovaniemi, Finland
- Organisers: EFI
- Number of participants and countries: 40/12

EFI ASSOCIATED EVENTS

Baltic Sea Region Conference: Interdisciplinary Research for Higher Socioeconomic Value of Forests

- 10–12 June, Riga and Salaspils, Latvia

Forest Biomass Conference

- 7–9 October, Mierzęcin Palace (Pomerania region), Poland

Acronyms:

AIFM	International Association for Mediterranean Forests	GIZ	Deutsche Gesellschaft für Internationale Zusammenarbeit GmbH
ARDFCI	Regional Association for the Protection of Forests from Fire	ICFI	International Center of Forestry and Forest Industry
ASEAN	Association of Southeast Asian Nations	IEFC	European Institute of Planted Forests
BOKU	University of Natural Resources and Life Sciences, Vienna	INRA	French National Institute of Agricultural Research
CASTLE	Project 'Careers in Sustainability Excellence'	INTEGRATE	Project 'Integration of Nature Protection in Forest Management and its Relation to other Forest Functions & Services
CBU	Finnish-Russian Cross-Border University	LEF	Laboratoire d'Economie forestière
CI-SFM	Implementing criteria and indicators for sustainable forest management in Europe	MINECO	Ministry of Economy and Competitiveness, Spain
CTFC	Forest Sciences Centre of Catalonia	MEDFOR	Mediterranean Forestry and Natural Resources Management (Erasmus Mundus Master Course Programme)
ECOFOR	Forest Ecosystem Research Coordination Unit	Metla	Finnish Forest Research Institute
EFI	European Forest Institute	MMFM	Mediterranean Model Forest Network
EFIATLANTIC	EFI's Atlantic European Regional Office	MOTIVE	MOdels for AdapTIVE forest Management
EFICEEC-EFISEE	EFI's Central-East and South-East European Regional Office	nfz.forestnet	European research and higher education network
EFICENT-OEF	EFI's Central European Regional Office and the Observatory for European Forests	NKUAS	North Karelia University of Applied Sciences
EFIMED	EFI's Mediterranean Regional Office	ThinkForest	European high-level forum on future of forests
EFINORD	EFI's North European Regional Office	UEF	University of Eastern Finland
FOPER	Forest Policy And Economics Education and Research	USSE	Union of Foresters of Southern Europe
FORPEC	Master programme "Forest Policy and Economics"		

List of EFI Publications 2013

EFI PUBLICATIONS

■ What Science Can Tell Us

European Forest Governance: Issues at Stake and the Way Forward. *What Science Can Tell Us* 2, 2013. Helga Pülzl, Karl Hognl, Daniela Kleinschmit, Doris Wydra, Bas Arts, Peter Mayer, Marc Palahí, Georg Winkel and Bernhard Wolfslehner (editors)

Living with Storm Damage to Forests. *What Science Can Tell Us* 3, 2013. Barry Gardiner, Andreas Schuck, Mart-Jan Schelhaas, Christophe Orazio, Kristina Blennow and Bruce Nicoll (editors)

■ Policy Briefs

Climate Change in European Forests: How to Adapt. EFI Policy Brief 9, 2013. Joanne Fitzgerald, Jette Bredahl Jacobsen, Kristina Blennow, Bo Jellesmark Thorsen and Marcus Lindner

■ Technical Reports

Foresight on Future Demand for Forest-based Products and Services. Päivi Pelli and Michael den Herder. EFI Technical Report 87, 2013.

Mapping the distribution of forest ownership in Europe. Pamela Pulla, Andreas Schuck, Pieter Johannes Verkerk, Bruno Lasserre, Marco Marchetti and Tim Green. EFI Technical Report 88, 2013.

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Giurca, A., Jonsson, R., Priyadi, H. and Mustonen, M. Market based and regulatory/enforcement mechanisms and their impact on international timber trade between South-east Asia and Northern Europe. *Poster presentation at the EUTR-Conference*. Cologne, Germany, 5 May 2013.

Harou, P.A. Cost-Benefit to analyze forest instruments with FInWEB. *IUFRO International Symposium on Socio-economic analyses of Sustainable Forest Management*. Prague, Czech Republic, 15–17 May 2013.

Harou, P. A. Presentations on “Theory - history of economic thought – Aristotle, Bentham/Smith and utility to today”, “Methodological – economic valuation as a tool for observing people’s preferences – market prices, use and non-use” and “Practice – social vs. private profitability”. *EFI Winter Summer School 2013 Making values work – sustaining multiple values in managed forests’*. Belin-Beliet, France, 17–23 March 2013.

Held, A. Presentation on the FRISK GO project and the European Forest Risk Facility. *EFICENT-OEF Annual Meeting, EFI 20 Years Science and Policy Forum*. Nancy, France, 26 September 2013.

Held, A. Presentation on the use of fire as tool in managing contaminated landscapes on former military training areas. *Federal Forest Service Germany, District municipality Luckenwalde*. 14 August 2013.

Hetemäki, L. Can European Union forests supply the woody biomass needed to meet the renewable energy action plans of EU member states? *ThinkForest Seminar: Opportunities and challenges in meeting renewable energy targets from forest biomass – an EU perspective*. Brussels, Belgium, 11 April 2013.

Hetemäki, L. The Future of the European Forest Based Sector. *The 20th Anniversary Seminar of EFI, Joensuu Science Park*, 7 June 2013.

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- Mustonen, M. Biomass production and intensive forest management – an overview of EFINORD activities. EU4BIO - An international workshop. Helsinki, Finland, 18–20 November 2013.
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- Régolini, M., Dulaurent, A.M., Jacquet, J.S., Meredieu, C., Orazio, C., Piou, D., Samalens, J.C. and Jactel, H. Implementing quantitative pest risk analyses in planted forest: the case study of the pine processionary moth. ICPF Bordeaux workshop. Bordeaux, France, 17 May 2013.
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Financial Statements for the year 2013

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 2013 the total funding was 13.1 million € from which the subsidies were 2.5 million €, funding for activities 10.5 million € and membership fees from the associate and affiliate member 156 k€.

From the core funding of 2.5 million € the core funding from Finland was 41 % and the core funding and subsidies for Regional Offices were 59 %.

The result of the year was – 215 k€. The deficit was covered from the accumulated reserves of previous years. The main reasons for the deficit in 2013 were: the actual income contributing to the indirect costs of the Institute was less than budgeted (impact -160 k€) and some expected core funding was changed to investment subvention (impact -78 k€).

Profit and loss account

European Forest Institute
Profit and loss account
1.1.–31.12.2013

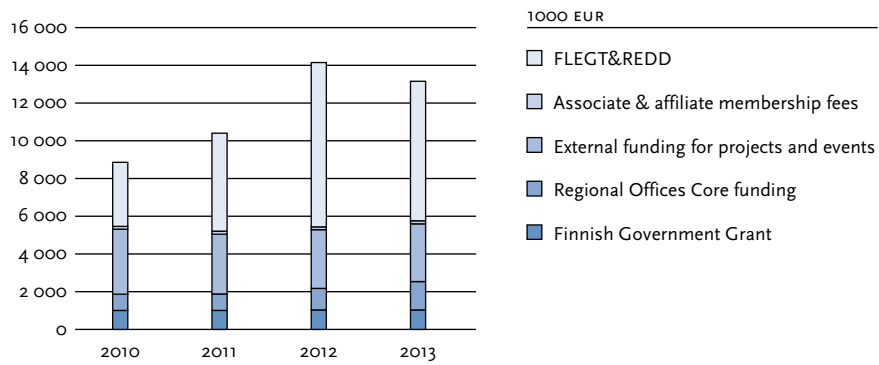
	2013/EUR	2012/EUR
■ ORDINARY OPERATIONS		
Income		
Conference fees	73 865.47	20 344.06
Publications grants	39 618.11	17 000.00
Grants for projects	8 591 190.86	14 492 365.08
Rents	4 750.50	3 611.20
Other income	58 784.86	41 744.89
Income	** 8 768 209.80	14 575 065.23
Expenses		
Staff expenses	-7 476 594.67	-6 896 613.92
Depreciation	-74 087.23	-117 911.25
Other expenses	-5 824 122.54	-7 184 694.61
Expenses	** -13 374 804.44	-14 199 219.78
DEFICIT	** -4 606 594.64	375 845.45
■ FUND RAISING		
Income	156 450.00	156 325.00
Fund raising	** 156 450.00	156 325.00
DEFICIT	** -4 450 144.64	532 170.45
■ INVESTMENTS AND FINANCIAL ACTIVITIES		
Income	589.69	12 347.10
Expenses	0.00	0.00
Investments and financial activities	** 589.69	12 347.10
DEFICIT	-4 449 554.95	544 517.55
■ TRANSFER TO MULTI-DONOR TRUST FUND	1 692 723.18	-2 769 315.67
■ SUBSIDIES		
Subsidies Government	1 181 331.18	1 127 889.40
Subsidies Non-government	485 071.28	477 934.93
Subsidies In-kind	875 539.35	572 670.91
Subsidies	** 2 541 941.81	2 178 495.24
■ PROFIT/LOSS	-214 889.96	-46 302.88
■ SURPLUS/DEFICIT OF THE FINANCIAL YEAR	-214 889.96	-46 302.88

Balance

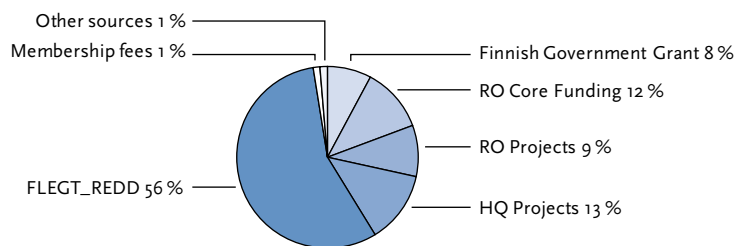
European Forest Institute
Balance sheet
31.12.2013

		2013/EUR	2012/EUR
ASSETS			
Non-current assets			
Intangible assets			
Other capitalised long-term expenses		13 219.07	11 602.99
Intangible assets	**	13 219.07	11 602.99
Tangible assets			
Machinery and equipment		51 517.18	80 752.23
Tangible assets	**	51 517.18	80 752.23
Incomplete acquisitions	**	21 298.03	0.00
Non-current assets total	**	86 034.28	92 355.22
Current assets of multi-donor trust fund			
Cash at bank		5 306 925.95	7 638 457.76
Current assets of multi-donor trust fund	**	5 306 925.95	7 638 457.76
Current assets			
Current receivables			
Accounts receivable		172 389.09	221 880.09
Accrued income and prepaid expenses		88 655.16	89 303.22
Project receivables		768 729.43	420 033.25
VAT receivables		102 527.17	97 731.71
Prepaid expenses		11 467.60	11 831.55
Current receivables	**	1 143 768.45	840 779.82
Cash in hand and at banks	**	1 399 635.67	3 899 549.29
Current assets total	**	2 543 404.12	4 740 329.11
ASSETS	***	7 936 364.35	12 471 142.09
LIABILITIES			
Equity			
15 th Anniversary Fund		1 400.00	1 400.00
Multi-donor trust fund		4 806 798.55	6 499 521.73
Other reserves		149 697.58	196 000.46
Other equity		108 521.02	108 521.02
Surplus (deficit) for the period		-214 889.96	-46 302.88
Equity	**	4 851 527.19	6 759 140.33
Liabilities			
Current liabilities			
Advance payments received		1 992 807.67	2 159 501.25
Purchases payables		631 801.50	1 162 870.08
Accrued liabilities and deferred income		298 782.37	467 995.82
Partner liabilities		86 895.78	1 857 181.25
Other liabilities		74 549.84	64 453.36
Current liabilities	**	3 084 837.16	5 712 001.76
Liabilities	**	3 084 837.16	5 712 001.76
LIABILITIES	***	7 936 364.35	12 471 142.09

Funding in years 2010–2013, in 1000 euros



Sources of funding 2013 (13 159 k€ including the transfer from F&R Trust Funds)



Regional Office donors

EFIATLANTIC



EUSKO JAURLARITZA
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