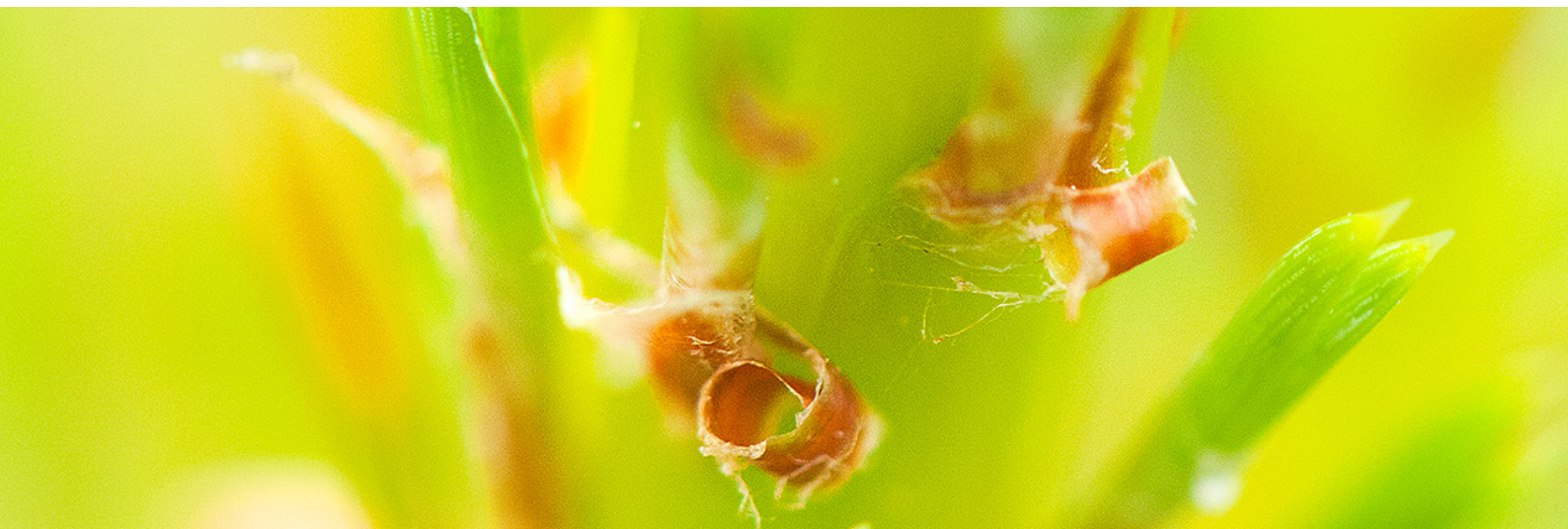




EUROPEAN FOREST INSTITUTE

Annual Report 2012
SUPPLEMENT



Associate and Affiliate Members of the European Forest Institute

December 2012

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
- Forest Management Institute (ÚHÚL)
- 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
- Metsähallitus
- Metsämiesten Säätiö Foundation
- 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
- 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

- COFORD
- 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 Botanical Garden of Medicinal Plants*

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

- National Forest Research Station (EFN)
- 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, Belgrade
- Institute of Lowland Forestry and Environment

Slovak Republic

- National Forest Centre – FRI Zvolen
- Technical University in Zvolen

Slovenia

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

Spain

- CREAM – 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

- School of Forestry, Universidad Politécnica de Madrid
- 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 (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
- Ukrainian Research Institute of Forestry and Forest Melioration

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)

*Affiliate Members

132 member organisations in 36 countries

Country Members of the European Forest Institute

By the end of the year 2012, a total of 23 European States had ratified the Convention on EFI, namely Austria, Bulgaria, Croatia, Czech Republic, Denmark, Finland, Germany, Greece, Ireland, Italy, Latvia, Luxembourg, the Netherlands, Norway, Poland, Portugal, Romania, Slovenia, Spain, Sweden, Switzerland, Turkey and the United Kingdom.

Board of the European Forest Institute

| | |
|--|---------------------------------------|
| Dr. José Antonio Bonet Lledós | Spain |
| Prof. Dr. Giuseppe E. Scarascia-Mugnozza | Italy |
| Prof. Dr. Jean-Marc Guehl | France |
| Prof. Dr. Michael Köhl | Germany |
| Prof. Dr. Tomasz Zawila-Niedźwiecki | Poland (as of 3 October 2012) |
| Dr. Harald Mauser | Austria |
| Prof. Lisa Sennerby Forsse | Sweden |
| Prof. J. Bo Larsen, <i>Chairman of the Board</i> | Denmark |
| Prof. Jim Lynch OBE | United Kingdom (until 3 October 2012) |

Scientific Advisory Board of the European Forest Institute

| | |
|---|-----------------|
| Prof. Dr. Bas Arts | the Netherlands |
| Prof. Kristina Blennow, <i>Vice-Chair</i> | Sweden |
| Dr. Andrey Filipchuk | Russia |
| Prof. Dr. Carlos Gracia | Spain |
| Prof. Bo Jellesmark Thorsen | Denmark |
| Prof. Marco Marchetti, <i>Chair</i> | Italy |
| Prof. Leena Paavilainen | Finland |
| Prof. Jean-Luc Peyron | France |
| Dr. Zoltán Somogyi | Hungary |
| Prof. Bill Slee | United Kingdom |

Staff in 2012

In 2012 156 staff members from 33 different countries worked at EFI, contributing a total of 104 person-years to the Institute's activities.

| | | |
|---------------------------|-------------------------------------|-----------------|
| Risto Päivinen | Director | Finland |
| Gert-Jan Nabuurs | Assistant Director | The Netherlands |
| Marc Palahí | Assistant Director & Head of EFIMED | Spain |
| Total person years = 2.25 | | |

Sustainability and Climate Change

| | | |
|--------------------------|---------------------------|-----------------|
| Marcus Lindner | Head of Programme | Germany |
| Michael den Herder | Researcher | The Netherlands |
| Jeannette Eggers | Researcher | Germany |
| Joanne Fitzgerald | Senior Researcher | Ireland |
| Anniina Haatanen | Scholarship Researcher | Finland |
| Tommi Suominen | Senior Software Developer | Finland |
| Yitagesu Tekle | Researcher | Ethiopia |
| Diana Tuomasjukka | Senior Researcher | Germany |
| Hans Verkerk | Senior Researcher | The Netherlands |
| Total person years = 7.6 | | |

Policy and Governance

| | | |
|---------------------------|-------------------------------|------------------------|
| Ilpo Tikkanen | Head of Programme | Finland |
| Doni Blagojevic | Project Officer, FOPER II | Bosnia and Herzegovina |
| Margaret Shannon | Project Coordinator, FOPER II | USA |
| Total person years = 2.25 | | |

Foresight and Information

| | | |
|--------------------------|---------------------------|---------|
| Lauri Hetemäki | Head of Programme | Finland |
| Tim Green | Researcher | UK |
| Elias Hurmekoski | PhD Researcher | Finland |
| Päivi Pelli | Researcher | Finland |
| Simo Varis | Software Developer | Finland |
| Sergey Zudin | Senior Software Developer | Russia |
| Elena Zudina | Programming Assistant | Russia |
| Total person years = 6.5 | | |

FLEGT & REDD Facilities

| | | |
|-------------------------|---|-----------------|
| Heiko Liedeker | Head of Unit | Germany |
| Jussi Viitanen | Deputy Head of Unit | Finland |
| Jussi Lounasvuori | Legality Assurance System (LAS) Team Leader | Finland |
| Thomas de Francqueville | Legal Assurance System (LAS) Expert | France |
| Thomas Pichet | Legal Assurance System (LAS) Expert | France |
| Xavier Rossi | Legal Assurance System (LAS) Expert | France |
| Morne Van der Linde | Legality Assurance System (LAS) Expert | South Africa |
| Melissa Othman | Governance Team Leader | USA |
| Tim Dawson | FLEGT Facilitator (Vietnam) | UK |
| Didier Devers | Governance Expert | Belgium |
| Iola Leal Riesco | Governance Expert | Spain |
| Lea Turunen | Governance Expert | Finland |
| Tomi Tuomasjukka | Analyst Team Leader | Finland |
| Edward Pepke | Senior Policy Analyst (Timber Trade) | USA |
| Jo Van Brusselen | Policy Analyst | Belgium |
| Vincent Van den Berk | Programme Coordinator | The Netherlands |
| Xiaoqian Chen | FLEGT Facilitator | China |
| Alexander Hinrichs | Regional Advisor | Germany |
| Aimi Lee | Policy Analyst | Malaysia |
| Tom Ter Horst | Communications Officer | The Netherlands |

| | | |
|-------------------------------|-------------------------------|----------|
| Valérie Merckx | REDD Team Leader | Belgium |
| Adeline Dontenville | Junior REDD+ Professional | France |
| Alessandro Trevisan | Junior REDD+ Professional | Italy |
| Christophe Van Orshoven | REDD Expert | Belgium |
| Niina Verkerk | Administration 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 | Acting Administrative Officer | Poland |
| Dahnyor Molkan | Administrative Assistant | Malaysia |
| Sandra McGuire | Senior Communications Expert | Canada |
| Roser Cabré-Verdiell Surribas | Acting Communications Officer | Spain |
| Agustina Grossi | Junior Communications Expert | Italy |
| Edith Johnson | Communications Expert | USA |
| Hanna-Kaisa Jussila | Communications Officer | Finland |
| Juliane Lemcke | Communications Expert | Germany |
| Cristina Müller | Communications Advisor | Brazil |
| Total person years = 35 | | |

Atlantic European Regional Office – EFIATLANTIC

| | | |
|--------------------------|---------------------------------------|----------|
| Christophe Orazio | Head of Office | France |
| Claudia Antoniotti | Administrative Officer | Portugal |
| Luisa Di Lucchio | Researcher | Italy |
| Stephanie Hayes | Networking and Communications Officer | UK |
| Céline Krier | Networking and Communications Officer | France |
| Margot Regolini | Junior Researcher | France |
| Total person years = 4.3 | | |

Central European Regional Office – EFICIENT-OEF

| | | |
|--------------------------|------------------------------------|----------|
| Andreas Schuck | Head of Office | Germany |
| Patrice Harou | OEF Manager | Belgium |
| Tanya Baycheva | Researcher | Bulgaria |
| Francesca Ferranti | Researcher | Italy |
| Mahdi Heshmatol | Forest Economist | Iran |
| Hubert Inhaizer | Project Leader (Senior Researcher) | Hungary |
| Daniel Kraus | Project Leader | Germany |
| Frank Krumm | Researcher | Germany |
| Barbara Lacor | Communications Assistant | France |
| Christopher Prins | Senior Advisor | UK |
| Christelle Rambour | Project Assistant | France |
| Philippe Rataux | Researcher | France |
| Paul Rougieux | Research Assistant | France |
| Brice van Haaren | Research Assistant | Belgium |
| Total person years = 9.2 | | |

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 |
| Patrick Huber | Researcher | Austria |
| Alice Ludvig | Senior Researcher | Austria |
| Helga Pülzl | ThinkForest Senior Policy Analyst | Austria |
| Gerhard Weiss | Work Area Leader | Austria |
| Nataša Lovrić | Researcher | Croatia |
| Saša Danon | Researcher / Administrative Officer | Croatia |
| Total person years = 5.5 | | |

Mediterranean Regional Office – EFIMED

| | | |
|--------------------------|----------------------------------|----------|
| Robert Mavsar | Deputy Head of Office | Slovenia |
| Sarah Adams | Communications & Project Officer | UK |
| Elena Górriz | Researcher | Spain |
| Bart Muys | Senior Scientist | Belgium |
| Neus Pampalona Lores | Junior Researcher | Spain |
| Victoria Sanz Montemayor | Project Manager | Spain |
| Elsa Varela | Researcher | Spain |

Total person years = 6.5

North European Regional Office – EFINORD

| | | |
|------------------|-------------------------------------|-----------|
| Mika Mustonen | Head of Office | Finland |
| Vilis Brukas | Researcher | Lithuania |
| Ragnar Jonsson | Researcher | Sweden |
| Desiree Mattsson | Research and Administrative Officer | Sweden |

Total person years = 2

Administration Unit

| | | |
|------------------|-------------------------------|---------|
| Kirsi Loisa | Head of Administration | Finland |
| Jerker Brolén | Legal Counsel | Sweden |
| Petri Hukka | IT Support Officer | Finland |
| Virve Huovinen | Acting Administrative Officer | Finland |
| Arto Lemettinen | IT Support Assistant | Finland |
| Riitta Makkonen | Acting Administrative Officer | Finland |
| Annukka Mustonen | Financial Officer | Finland |
| Emi Pesonen | Human Resources Manager | Japan |
| Paula Ratinen | Financial Officer | Finland |
| Katri Rätty | Director's Personal Assistant | Finland |
| Riitta Sorri | Administrative Officer | Finland |
| Tiia Viitamäki | Human Resources Officer | Finland |
| Jarkko Heikkinen | Administrative Officer | Finland |
| Mari Lepikkö | Administrative Officer | Finland |

Total person years = 10.5

Communications Unit

| | | |
|----------------------|---|---------|
| 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 | Finland |
| Minna Korhonen | Managing Editor | Finland |
| Henna Snellman | Membership Liaison Officer | Finland |
| Ulla Vänttinen | Event & Project Officer | Finland |

Total person years = 7

Project Office

| | | |
|------------------|------------------------|---------|
| Leena Salminen | R&D Support Manager | Finland |
| Jarkko Heikkinen | Administrative Officer | Finland |
| Katriina Pajari | R&D Administrator | Finland |
| Senni Piirainen | Project Assistant | Finland |
| Niina Valbuena | Project Officer | Finland |

Total person years = 3.7

Policy Support Office

| | | |
|--------------------------|--|-------|
| Mercedes Rois Díaz | Office Manager (Policy Support & EFIMED) | Spain |
| Samuel Afonso de la Hoz | IT Support Assistant | Spain |
| Raquel Marcos del Rivero | Administrative Assistant | Spain |

Total person years = 1.6

Foundation for European Forest Research Grants

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

EFI Member Research Scholar

| | | |
|--------------------|--------|--------|
| Jelena Nedeljkovic | EFIMED | Serbia |
|--------------------|--------|--------|

Trainees

| | | |
|-----------------------------------|-----------------------------------|-----------------|
| Marc Caufapé Poca | Foresight and Information | Spain |
| Jiao Chen | FLEGT&REDD | China |
| Antoine Galliot | EFICIENT-OEF | France |
| Leticia Hermoso Barroso | EFICIENT-OEF | Spain |
| Christophe Hugh Smith | EFICIENT-OEF | Germany |
| Dong Jiayun | FLEGT&REDD | China |
| Inga Kharanen | Sustainability and Climate Change | Finland |
| Janne Kiljunen | Foresight and Information | Finland |
| Joonas Kitunen | Sustainability and Climate Change | Finland |
| Kateryna Konovalenko | EFICIENT-OEF | Ukraine |
| Erell Le Gall | EFIATLANTIC / EFICIENT-OEF | France |
| Salvatore Martire | Sustainability and Climate Change | Italy |
| Aysun Ozugur | FLEGT&REDD | The Netherlands |
| Elli Piirainen | Project Office | Finland |
| Senni Piirainen | Project Office | Finland |
| Hannes Schulz | EFINORD | Germany |
| Thusara Senanayake | Administration | Sri Lanka |
| Stefan Steinhoff | Sustainability and Climate Change | Germany |
| Elmo Suikki | Administration | Finland |
| Marieke van der Maaten-Theunissen | EFICIENT-OEF | The Netherlands |
| Sven Vos | FLEGT&REDD | The Netherlands |

EFI Projects 2012

■ SUSTAINABILITY AND CLIMATE CHANGE PROGRAMME

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, 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

(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, 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

(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 |

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. | 2011–2013 |

Land as an Environmental Resource

(STUDY CONTRACT 07.0307/2011/605330/ETU/B.1)

The overarching objective of this study is to understand better the range of demands facing different types of rural land use in Europe. The project will study how these interact with one another to strengthen the knowledge base about ways in which policy decisions can support the optimal use of land, taking into account impacts on ecosystem services. The output by EFI is a forest resource use assessment focusing on different goods and service demands from different policies. The Programme Sustainability and Climate Change and Regional Office EFIMED are involved in this project.

EFI'S ROLE: PARTNER. | 2011–2012 |

OPERAs – Operational Potential of Ecosystem Research

Applications (GRANT AGREEMENT NUMBER 308393)

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) (GRANT AGREEMENT NUMBER 316020)

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

(GRANT AGREEMENT NUMBER 311881)

The aim of the INFRES project is to accelerate the technological development and open new paths to EU's renewable 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

(FRAMEWORK SERVICE CONTRACT NUMBER CLIMA.A.3/FRA/2011/0027)

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 (LETTER OF AGREEMENT PO 299937)

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, Information and Foresight and the Regional Offices EFIMED and EFICEEC.

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

■ 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 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 |

■ FORESIGHT AND INFORMATION PROGRAMME

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. The Programme Sustainability and Climate Change contributed a usability study to evaluate the potential application of GMES products for mapping High Nature Value Forests.

EFI'S ROLE: PARTNER. | 2008–2012 |

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'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

(GRANT AGREEMENT NUMBER 242316)

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 |

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 |

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 Programmes Foresight and Information, Sustainability and Climate Change and Regional Offices EFI-CEECE, 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 |

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

(GRANT AGREEMENT NUMBER 311880)

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 Information 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 INFORS units and involves professor Birger Solberg (University of Ås, Norway) 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 |

■ 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 (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: COORDINATOR. | 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 |

CREEA – Compiling and Refining Environmental and Economic Accounts (GRANT AGREEMENT NUMBER 265134)

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 |

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

(GRANT AGREEMENT NUMBER 311919)

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 also leading the WP6 Dissemination and Exploitation (EFICEEC), as well as coordinating the WPs 1-5.

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

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

(GRANT AGREEMENT NUMBER 291832)

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, 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 |

■ 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: COORDINATOR JOINTLY WITH THE UNIVERSITY OF FREIBURG AND WLS, SWITZERLAND. | 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. 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 |

Ex-post Evaluation of the EU Forest Action Plan

(CONTRACT NUMBER 30-CE-0453512/00-22)

The aim of this project is to conduct ex-post evaluation of the EU Forest Action Plan. The evaluation will analyse if the objectives of the EU Forest Action Plan have been met, if the Action Plan has led to any side effects, whether the instruments used are appropriate, relevant, effective and efficient and what was the role of the key actors. Building on the mid-term evaluation the ex-post evaluation shall provide a review of the implementation, effectiveness and appropriateness of the EU Forest Action Plan with a particular emphasis on the efficiency and effectiveness of the Action Plan. EFI coordinates the project and the following EFI units are involved in the project: EFICIENT-OEF (coordinator), EFICEEC and Foresight and Information Programme.

EFI'S ROLE: COORDINATOR. | 2011–2012 |

Estimating Provision Cost of Biodiversity Protection Using Impact Assessment Methods, a Case Study of Natura 2000 Contracts in French Forests

The overall objective of Natura 2000 research is to develop and apply a sound methodology to estimate and analyze provision cost of biodiversity protection based on the European program of Natura 2000. In doing so, most efficient actions and measures for enhancing biodiversity protection will also be presented and discussed. As pilot study France was selected due to the extensive experience and a comprehensive database of Natura 2000 sites in France. The pilot study will shed further light on provision costs of maintaining or enhancing forests conservation status and it was launched to support related socio-economic projects at pan-European level. The methodological report is close to completion and the final report is to be published by the end of September 2012. The work will be complemented by a master thesis supervised jointly by EFICIENT-OEF and the Laboratory of Forest Economics, Nancy.

EFI'S ROLE: COORDINATOR. | 2011–2012 |

Information Portal on European/International Policy and Financial Instruments

Information on European policy (and/or financial instruments) is rather scattered and available in different information sources. A portal is being built which collects and provides metadata, using information from existing sources. Two different portal interfaces are envisaged: 1) a public one linked with EFI Euro Forest Portal, providing a more general overview, and 2) a more detailed database for in-house use. Cooperation with UNECE and FOREST EUROPE Liaison Unit is planned. This can be done in combination with the project CI-SFM – Implementing Criteria and Indicators for Sustainable Forest Management in Europe. All EFI Regional Offices and Programmes Sustainability and Climate Change and Foresight and Information are involved in the project.

EFI'S ROLE: COORDINATOR. | 2011–2012 |

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. | 2011–2012 |

Storm in European 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. | 2011–2012 |

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 |

■ 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 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: COORDINATOR. | 2009-2012 |

INTEGRAL – Future-oriented Integrated Management of European Forest Landscapes

The aim of this project is to describe the policy effect on forest landscapes. A case study will be made in Aquitaine in cooperation with IRSTEA that will provide 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

(CONTRACT NUMBER SOE3/P2/F523)

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 |

■ 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 |

FAO-FOA2 – Good Examples of Forest Organizations in CEE-countries

Many of the private landowners that emerged since the early 1990s in Eastern European countries are small forest owners. The increasingly small size of forest holdings makes viable forest management difficult because each property generates only a small amount of income, and harvests typically take place on long intervals. Many of these owners have limited forestry expertise and investment capital. This has created a need for support services and institutions that can lower the transaction costs, to realize economies of scale and provide critical services to many small-scale forest owners. Forest owner associations (FOA) and forest owner cooperatives (FOC) are potentially effective means to address the constraints and challenges faced by small-scale forest owners in Eastern European countries. As private forest owner organizations continue to develop in many Eastern European countries and are increasingly valued by governments and owners, lessons may immerge, which could be valuable for informing other country's efforts to develop forest landowner associations and cooperatives. The second sequel of the study identifies good examples and an analysis on the success factor based on an earlier study
EFI'S ROLE: COORDINATOR. | 2012 |

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 |

■ 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. 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: COORDINATOR TOGETHER WITH SNS. | 2011–2013 |

EUSBSR Flagship – European Union Strategy for the Baltic Sea Region (EUSBSR) and its Action Plan, Priority Area 9: "Sustainable Forest Management in the Baltic Sea Region – EFINORD"

The coordination of the forestry related issues ("Sustainable Forest Management in the Baltic Sea Region – EFINORD" Flagship project) within the Priority Agri 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. | 2011–2013 |

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 |

■ PROJECT OFFICE

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. In 2012 the Sustainability and Climate Change and Policy and Governance Programmes completed a report on Forest Multi-functionality in Western Balkan Region in Southeast Europe, and carried out a study on mapping High Nature Value forests in cooperation with the Italian Academy of Science.

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 Development Coordination Support Team, Regional Office EFIATLANTIC and Programme Foresight and Information are involved in this project.

EFI'S ROLE: PARTNER. | 2011–2015 |

■ POLICY SUPPORT OFFICE

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 |

Policy Support Activities 2012

■ EU FLEGT AND EU REDD FACILITIES

The EU FLEGT Facility and EU REDD Facility support the European Commission, EU countries, other country governments and forest sector stakeholders in implementing the EU FLEGT Action Plan and developing national REDD+ frameworks. With a staff of 43 people, the two Facilities work in more than 30 countries in Africa, Asia and Central and South America. The Facilities' offices are in Barcelona, Spain, with additional offices in Kuala Lumpur, Malaysia, and Brussels, Belgium. 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 2012 the EU REDD Facility developed support activities in focal countries, launched its website, expanded its team of experts and increased its analysis delivery. Management prepared an options paper for the development of the Facility titled "Elements for the preparation of a 2013–2017 strategy for the EU REDD Facility". The Facility expanded its portfolio of activities in five focal countries which are also engaged in negotiating or implementing a Voluntary Partnership Agreement (VPA) with the EU: Democratic Republic of the Congo, Guyana, Indonesia, Republic of the Congo and Vietnam. The activities were intended to deliver technical support to REDD+ countries and to inform the Facility's strategy. Facility experts also generated analysis on two central REDD+ issues: monitoring, reporting and verification (MRV) and funding.

In 2012 the EU FLEGT Facility continued to support VPA processes and applied lessons learned. The Facility supported four countries negotiating a VPA with the EU and six countries implementing an agreed VPA. Five additional countries signalled their interest in entering VPA negotiations: Côte d'Ivoire, Guyana, Honduras, Laos and Thailand. The Facility responded by working to strengthen VPA understanding in country and by helping country governments and other stakeholders prepare for VPA negotiations. The Facility increased financial and technical support to countries already implementing a Voluntary Partnership Agreement. Financial support helped countries meet their commitments if no immediate funding was available from EU member states. Technical support helped governments establish institutional arrangements, procedures and contracts to advance VPA objectives. Countries implementing a VPA regard the Facility as instrumental in building or improving their legality assurance systems, placing the Facility in a strong position to provide continued support.

VPA processes benefited from a more harmonized approach to sharing and applying lessons learned which helped countries make faster progress in developing their VPAs. Increasing collaboration between EFI and other institutions such as FAO enabled VPA countries to draw on lessons learned from the Facility's work and from other FLEGT actions as well. The Facility also contributed to FLEGT coordination through presentations at EU meetings, the Ad Hoc Working Group on FLEGT, and regional events of the Association of Southeast Asian Nations (ASEAN) and the Communauté économique des états de l'Afrique centrale

(CEEAC). The Facility provided analysis and guidance to inform VPA negotiations and implementation, particularly in the areas of domestic markets, imported timber, VPA impact monitoring, reducing poverty with VPAs, independent market monitoring, managing complaints and judicial systems. The Facility collected and shared practical knowledge thereby enriching discussions about VPA processes and approaches.

The EU FLEGT Facility built capacity of stakeholders as an integrated part of VPA support. Facility experts worked closely with stakeholders in VPA countries, helping them develop skills needed to implement the VPA. Experts also organized a regional FLEGT training course for English-speaking stakeholders in Africa. The Facility produced about 20 reports and briefings, published three articles on forest governance in peer-reviewed journal, and commissioned trade journal articles on the FLEGT Action Plan. The Facility continues to be a source for Commission-endorsed and accessible information on VPAs and other aspects of the FLEGT Action Plan through improving its website and distributing a bimonthly newsletter. Facility experts provided guidance to VPA countries on communicating the benefits of the VPA agreement and anticipated changes in policies and practices. The Facility worked with timber trade associations to prepare the European market for FLEGT-licensed timber. The Facility also encouraged the development of a network of FLEGT practitioners by organizing with FAO a regional meeting of African FLEGT practitioners, and by supporting the FLEGT group on the EU platform Capacity4development.

Funding for the Facilities under multiyear agreements continued as expected and EFI secured additional funding for both Facilities. The EU FLEGT Facility received continuing support from the European Commission, the United Kingdom, France, Netherlands and Finland. The European Commission and EFI signed a new agreement for 4.8 million euros for regional support for FLEGT in Asia. The EU REDD Facility received continuing support from the European Commission and the United Kingdom. The European Commission and EFI signed an amendment for 5 million euros in additional funding. New funding agreements were also signed with Ireland and France.

■ THINKFOREST

The objective of ThinkForest 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. In 2012 the ThinkForest was launched in a major event 'Towards a green bioeconomy: unlocking the potential of Europe's forests' at the European Parliament. This was followed by a special discussion event on European Forest Governance, and an event on Payments for environmental services. Also, EFICEEC, together with the EFI policy support, was coordinating a study on forest policies and governance in Europe.

List of Events 2012

RoK-FOR Conference: Innovative and Sustainable Wooden Architecture and Construction

- 22–23 February, Basque Country, Spain
- Organisers: RoK-FOR, Neiker-Tecnalia
- Number of participants and countries: 95/9

COST FPo6o3 Final meeting: Forest models for research and decision support in sustainable forest management

- 1–2 March, Pierroton, Bordeaux, France
- Organisers: EFIATLANTIC, COST Action FPo6o3
- Number of participants and countries: 83/22

Synergies in FLEGT-REDD activities

- 12–13 April, Barcelona, Spain
- Organisers: EFI, FLEGT-REDD
- Number of participants and countries: 38/11

PhD Course: International Forestry and Global Issues

- 16–20 April, Champenoux, France
- Organisers: EFICIENT-OEF, INRA, AgroParisTech-ENGREF
- Number of participants and countries: 37/12

Identification of Timber Species and Origins – Inception Workshop

- 24–25 April, Kuala Lumpur, Malaysia
- Organisers: Bioversity International, GIZ, FRIM, EFI
- Number of participants and countries: 60/10

IUFRO All-Division 9 Conference: Assessing Forest Governance in a Context of Change

- 9–11 May, Sarajevo, Bosnia and Herzegovina
- Organisers: FOPER, IUFRO, Faculty of Forestry of the University of Sarajevo
- Number of participants and countries: 170/52

Foresight workshop on Ecosystem services provided by forests serving urban societies in Northern Europe

- 14–15 May, Alnarp, Sweden
- Organisers: EFINORD
- Number of participants and countries: 23/7

Towards a green bioeconomy: Unlocking the potential of Europe's forests

- 15 May, Brussels, Belgium
- Organisers: EFI, ThinkForest
- Number of participants and countries: 98/16

Joensuu Forestry Networking Week 2012: Green Growth Based on Forests – New Wooden Products and Construction

- 21–25 May, Joensuu, Finland
- Organisers: NKUAS, EFI, UEF, METLA
- Number of participants and countries: 29/13

Tackling Climate Change: The Contribution of Forest Scientific Knowledge

- 21–24 May, Tours, France
- Organisers: MOTIVE, EFI, COST Action ECHOES, BACCARA, REINFFORCE, TRANZFOR, IUFRO Working Group on Adaptation to Climate Change
- Number of participants and countries: 320/40

Roundtable developing guidelines for the cost/benefit analysis of forestry investments

- 30 May 2012, Nancy, France
- Organisers: EFICIENT-OEF, LEF
- Number of participants and countries: 25/9

Roundtable what forestry sector model for Europe?

- 1 June 2012, Nancy, France
- Organisers: EFICIENT-OEF, LEF
- Number of participants and countries: 25/9

EFIMED week 2012

- 12–14 June, Tunis, Tunisia
- Organisers: EFIMED
- Number of participants and countries: 147/18

International Conference on Market Requirements for Timber and Timber Products

- 3 October, Kuala Lumpur, Malaysia
- Organisers: Malaysia Timber Council, European Timber Trade Federation, the Forest Trust, EFI
- Number of participants and countries: 200/15

EFI 2012 Annual Conference

- 3 October, Istanbul, Turkey
- Organisers: EFI
- Number of participants and countries: 129/29

Scientific Seminar in the connection to the EFI Annual Conference: Social Dimensions of Forests

- 4–5 October, Istanbul, Turkey
- Organisers: EFI, Istanbul University, Poplar and Fast Growing Forest Trees Research Institute
- Number of participants and countries: 130/28

Symposium Genetics of Fagaceae

- 9–12 October, Bordeaux, France
- Organisers: EFIATLANTIC
- Number of participants and countries: 135/19

Conference of the Association for Irregular Forests

- 7–9 November, Mâcon, Bourgogne, France
- Organisers: EFICIENT-OEF, Association for Irregular Forests
- Number of participants and countries: 68/11

International Conference: Modern problems of forestry and forest management

- 13–15 November, St. Petersburg, Russia
- Organisers: EFI, IUFRO, St. Petersburg State Forest Technical University
- Number of participants and countries: 80/9

EFISEE office opening event of the EFICEEC-EFISEE Regional office

- 21 November, Varaždin, Croatia
- Organisers: EFICEEC-EFISEE
- Number of participants and countries: 70/9

ThinkForest Seminar: Payments for Environmental Services: a Way Forward for Mediterranean Forests?

- 27 November, Brussels, Belgium
- Organisers: EFI, ThinkForest
- Number of participants and countries: 39/10

UNFCCC COP 18 side-event: REDD+ and Governance

- 28 November, Doha, Qatar
- Organisers: EFI
- Number of participants and countries: 45/17

RoK-FOR Final Conference: Green Growth from Forests

- 4 December, Brussels, Belgium
- Organisers: RoK-FOR, EFI
- Number of participants and countries: 97/10

Illegal logging and legality verification – the FLEGT/VPA as new modes of governance

- 6–7 December, Copenhagen, Denmark
- Organisers: EFI
- Number of participants and countries: 98/18

Side-Event: New Market Requirements for Tropical Timber during the 48th session of International Tropical Timber Council

- 9 November, Yokohama, Japan
- Organisers: EFI FLEGT Asia
- Number of participants and countries: 200/30

In addition 6 smaller EFI FLEGT Asia events were organised during 2012.

EFI ASSOCIATED EVENTS

Workshop on evaluation of European long-term experiments to compare the growth of mixed and pure stands

- 12–15 March, Alnarp, Sweden

Impacts of extreme weather on natural, socio-economic, and land-use systems: Focus on the 2010 summer anomaly in the Volga region

- 18–22 June, Yoshkar-Ola, Mari El, Russian Federation

Acronyms:

| | | | |
|----------------|--|-----------------|---|
| BACCARA | Biodiversity And Climate Change, A Risk Analysis | INRA | French National Institute of Agricultural Research |
| COP | Conference of the Parties | IUFRO | International Union of Forest Research Organisations |
| COST FP0603 | Forest models for research and decision support in sustainable forest management | LEF | Laboratoire d'Economie forestière |
| COST FP0703 | Expected Climate Change and Options for European Silviculture (ECHOES) | METLA | Finnish Forest Research Institute |
| EFI | European Forest Institute | MOTIVE | MOdels for AdapTIVE forest Management |
| EFIATLANTIC | EFI's Atlantic European Regional Office | Neiker-Tecnalia | Basque Institute for Agricultural Research and Development |
| EFICEEC-EFISEE | EFI's Central-East and South-East European Regional Office | NKUAS | North Karelia University of Applied Sciences |
| EFICIENT-OEF | EFI's Central European Regional Office and the Observatory for European Forests | REDD+ | Reduce Emissions from Deforestation and forest Degradation |
| EFIMED | EFI's Mediterranean Regional Office | REINFFORCE | REsource INFrastructures for monitoring, adapting and protecting European Atlantic FOrests under Changing climatE |
| EFINORD | EFI's North European Regional Office | RoK-FOR | Regions of Knowledge for Forestry |
| FLEGT | Forest Law Enforcement, Governance and Trade | ThinkForest | A European high-level forum on future of forests |
| FLEGT Asia | EU FLEGT Asia Regional Support Programme | TRANZFOR | Transferring Research between E.U. and Australia-New Zealand on Forestry and Climate Change |
| FOPER | Forest Policy And Economics Education and Research | UEF | University of Eastern Finland |
| FRIM | Forest Research Institute Malaysia | UNFCCC | United Nations Framework Convention on Climate Change |
| GIZ | Deutsche Gesellschaft für Internationale Zusammenarbeit GmbH | VPA | Voluntary Partnership Agreement |

List of EFI Publications 2012

EFI PUBLICATIONS

■ Discussion Papers

EFI Discussion Paper 16. Les indicateurs MCPFE sont-ils intéressants pour les forêts plantées? Jean-Louis Martres, Jean-Michel Carnus, Christophe Orazio.

■ Policy Briefs

EFI Policy Brief 7. Payments for Environmental Services: A way forward for Mediterranean Forests? Irina Prokofieva, Sven Wunder, Enrico Vidale. (also available in French and Greek)

EFI Policy Brief 8. AGORA Making the Difference: Towards a Mediterranean Forest Research Area Marc Palahí, Davide Pettenella, José G. Borges, Fouad Mounir, Hamed Daly, François Lefèvre and Emin Baskent

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- Gorriz, E. Payments for environmental services in the Mediterranean and the role of property rights. 9th International Conference on Property rights, economics and environment: agriculture and forestry. Aix-en-Provence, France, 21 June 2012.
- Harou, P. Environmental Economics. University of Senghor, Egypt, 9–14 April 2012.
- Harou, P. Presentation of the OEF programme at the UNECE-FAO Timber committee meeting. Geneva, Switzerland, 26–30 March 2012.
- Harou, P. Chair of the session “Socio-economic aspects and knowledge management”. International Conference “Tackling climate change: the contribution of forest scientific knowledge”. Tours, France, 21–24 May 2012.
- Harou, P. Presentation of OEF round tables on Forest sector analysis: “what model for Europe” and forest profitability: “Guidelines to ensure the comparability of forest investment analyses”, LEF Biennial workshop. Nancy, France, 30 May–1 June 2012.
- Harou, P. Payments for Environmental Services. Phd Course on International Forestry and Global Issues. Nancy, France, 16–20 April 2012.
- Hetemäki, L. Foresight Methods and Linking Local to Global. World Forests, Society and Environment (WFSE) / IUFRO – meeting. Rome, Italy, 11–12 December 2012.
- Hetemäki, L. Metsäala nyt ja tulevaisuudessa (“The Future of Finnish Forest Sector”). Pohjois-Karjalan ELY-keskus, lounasseminaari (The Centre for Economic Development, Transport and the Environment (ELY keskus), North Karelia). Joensuu, Finland, 20 December 2012.
- Hetemäki, L. Reflections on SAT-BBE and Bioeconomy. SAT-BBE Kick-Off Meeting, DG Research. Brussels, Belgium, 16 November 2012.
- Hetemäki, L. Forest Sector Foresight: Methods and Applications. Postgraduate Research Seminar, Faculty of Science and Forestry, University of Eastern Finland. Joensuu, Finland, 9 May 2012.
- Hetemäki, L. Research on Foresight, Forest Products and Bioenergy Markets. FTP Joint Partnering Event, Municon. Munich, Germany, 15 May 2012.
- Hetemäki, L. Outlook for Forest Ecosystem Services and Implications to Forest Sector. Chinese – Finnish Seminar on Forest Ecosystem Services organised by National Natural Science Foundation of China and Academy of Finland. Beijing, China, 30 May 2012.
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- Hetemäki, L. Puunkäytön ja metsien palveluiden tulevaisuudennäkymät Suomessa (The Outlook for Wood Consumption and Forest Services in Finland, in Finnish). Ympäristöakatemia (Environment Academy) –seminar. Fiskars, Finland, 5 September 2012.
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- Hou, Z. Extraction of remote sensing-based forest management units in tropical forest. Summer seminar of the spearhead project “Multi-Scale geospatial analysis of Forest Ecosystems”, University of Eastern Finland. Joensuu, Finland, 22 August 2012.
- Hurmekoski, E. Scientific Futures Research and the Forest Sector. Seminar “Philosophical, Methodological and Pragmatic Approaches to Scientific Futures Research”, Finland Futures Academy, University of Turku. Turku, Finland, 28 November 2012.
- Hurmekoski, E. Insights to forest sector outlook approaches: A discussion note. Poster and presentation on the Joensuu Forestry Network Week 2012: Green Growth Based on Forests. Joensuu, Finland, 21 May 2012.
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- Inhaizer, H. Presentation on C&I for SFM project given at the Meeting of the UNECE/FAO Team of Specialists on Monitoring Sustainable Forest Management. Saint Petersburg, Russian Federation, 24 May 2012.
- Jonsson, R. Conditions and prospects for intensive forest management in EFINORD countries. Presented at NFRI Directors meeting. Copenhagen, Denmark, 2 June 2012.

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- Kraus, D. Presentation on Patch mosaic burning as a tool to restore boreal forest landscapes at the PRIFOR workshop on Mosaic Forest Landscape. Valguma Pasaule, Latvia, 26–29 November 2012.
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Financial Statements for the year 2012

The financial statements have been prepared in accordance with the EFI Financial Rules. According to the Rules the financial statements are prepared when applicable in compliance with Finnish accounting standards (FAS) and the good accounting manner.

In 2012 in the financial statements the accounts of five regional offices have been included, as it was in 2011. The regional offices accounts total to 2.3 million € (2 million € in 2011), including 1.1 million € subsidies (869 k€ in 2011) and 1.2 million € project funding (1135 k€ in year 2011).

The Income includes 2769 k€ grants for FLEGT&REDD which is shown as transfer to the Trust fund in P&L account. The total revenue after fund transfers was 11806 k€, from which the FLEGT&REDD share was 74 %.

In 2012 no project partner's funding was included in the income or subcontracts whereas in 2011 the income included 97 k€ share of funding channelled to project partners and the corresponding amount was undersubcontract in Other Expenses category.

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.–31.12.2012

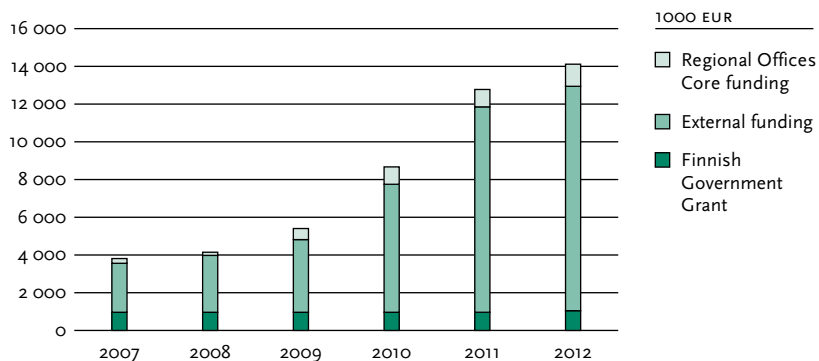
| | 2012/EUR | 2011/EUR |
|--|-------------------|----------------|
| ■ ORDINARY OPERATIONS | | |
| Income | | |
| Conference fees | 20 344.06 | 33 128.97 |
| Publications grants | 17 000.00 | 0.00 |
| Grants for projects | 14 492 365.08 | 10 279 575.21 |
| Rents | 3 611.20 | 4 539.00 |
| Other income | 41 744.89 | 67 112.20 |
| Income | ** 14 575 065.23 | 10 384 355.38 |
| Expenses | | |
| Staff expenses | -6 896 613.92 | -5 368 477.74 |
| Depreciation | -117 911.25 | -170 141.16 |
| Other expenses | -7 184 694.61 | -5 406 094.18 |
| Expenses | ** -14 199 219.78 | -10 944 713.08 |
| DEFICIT | ** 375 845.45 | -560 357.70 |
| ■ FUND RAISING | | |
| Income | 156 325.00 | 155 525.00 |
| Fund raising | ** 156 325.00 | 155 525.00 |
| DEFICIT | ** 532 170.45 | -404 832.70 |
| ■ INVESTMENTS AND FINANCIAL ACTIVITIES | | |
| Income | 12 347.10 | 33 567.77 |
| Expenses | 0.00 | -765.54 |
| Investments and financial activities | ** 12 347.10 | 32 802.23 |
| DEFICIT | 544 517.55 | -372 030.47 |
| ■ TRANSFER TO MULTI-DONOR TRUST FUND | -2 769 315.67 | -2 014 241.61 |
| ■ SUBSIDIES | | |
| Subsidies Government | 1 127 889.40 | 1 202 032.69 |
| Subsidies Non-government | 477 934.93 | 173 033.56 |
| Subsidies In-kind | 572 670.91 | 712 808.95 |
| Subsidies | ** 2 178 495.24 | 2 087 875.20 |
| ■ PROFIT/LOSS | -46 302.88 | -298 396.88 |
| ■ SURPLUS/DEFICIT OF THE FINANCIAL YEAR | -46 302.88 | -298 396.88 |

Balance

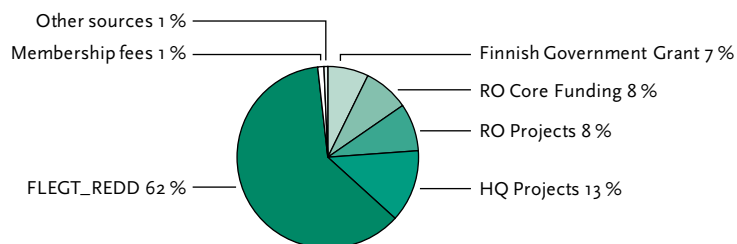
European Forest Institute
Balance sheet
31.12.2012

| | | 2012/EUR | 2011/EUR |
|---|----|--------------|---------------|
| ASSETS | | | |
| Non-current assets | | | |
| Intangible assets | | | |
| Other capitalised long-term expenses | | 11 602.99 | 44 422.14 |
| Intangible assets | ** | 11 602.99 | 44 422.14 |
| Tangible assets | | | |
| Machinery and equipment | | 80 752.23 | 144 906.91 |
| Tangible assets | ** | 80 752.23 | 144 906.91 |
| Non-current assets total | ** | 92 355.22 | 189 329.05 |
| Current assets of multi-donor trust fund | | | |
| Cash at bank | | 7 638 457.76 | 7 285 304.33 |
| Current assets of multi-donor trust fund | ** | 7 638 457.76 | 7 285 304.33 |
| Current assets | | | |
| Current receivables | | | |
| Accounts receivable | | 221 880.09 | 951 141.39 |
| Accrued income and prepaid expenses | | 89 303.22 | 572 186.77 |
| Project receivables | | 420 033.25 | 0.00 |
| VAT receivables | | 97 731.71 | 0.00 |
| Prepaid expenses | | 11 831.55 | 0.00 |
| Current receivables | ** | 840 779.82 | 1 523 328.16 |
| Cash in hand and at banks | ** | 3 899 549.29 | 393 649.75 |
| Current assets total | ** | 4 740 329.11 | 1 916 977.91 |
| ASSETS | | *** | 12 471 142.09 |
| LIABILITIES | | | |
| Equity | | | |
| 15 th Anniversary Fund | | 1 400.00 | 1 400.00 |
| Multi-donor trust fund | | 6 499 521.73 | 3 730 206.06 |
| Other reserves | | 196 000.46 | 494 397.34 |
| Other equity | | 108 521.02 | 108 521.02 |
| Surplus (deficit) for the period | | -46 302.88 | -298 396.88 |
| Equity | ** | 6 759 140.33 | 4 036 127.54 |
| Liabilities | | | |
| Current liabilities | | | |
| Advance payments received | | 2 159 501.25 | 4 347 394.59 |
| Purchases payables | | 1 162 870.08 | 482 831.14 |
| Accrued liabilities and deferred income | | 467 995.82 | 468 818.90 |
| Partner liabilities | | 1 857 181.25 | 0.00 |
| Other liabilities | | 64 453.36 | 56 439.12 |
| Current liabilities | ** | 5 712 001.76 | 5 355 483.75 |
| Liabilities | ** | 5 712 001.76 | 5 355 483.75 |
| LIABILITIES | | *** | 12 471 142.09 |

Funding in years 2007–2012, in 1000 euros

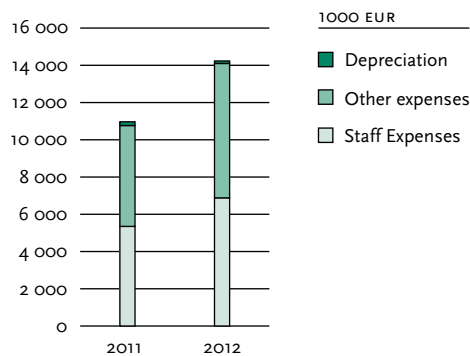


Sources of funding 2012 (14 152 k€ after the transfer to MD Trust Fund)



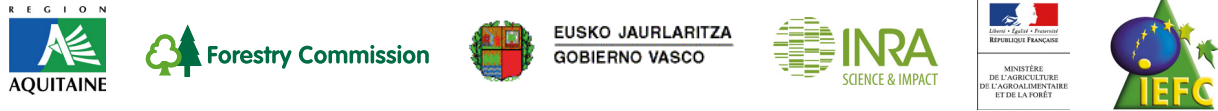
Division of total expenses, in 1000 euros

(2012: 14 199 k€, 2011: 10 945 k€)



Regional Office donors

EFIATLANTIC



EFICEEC-EFISEE



EFICENT-OEF



EFIMED



EFINORD





EUROPEAN FOREST INSTITUTE

Yliopistokatu 6 | 80100 Joensuu | FINLAND

TEL: +358 10 773 4300 | FAX: +358 10 773 4377
efisec@efi.int | www.efi.int

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