

## EoI on (possibly) Tropical Forests

### 1. (Integrated Project) Ecological and social resilience, and institutional flexibility in tropical forests

**Acronym :** RESILIENT  
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**Applicable Instrument:** Integrated Project  
**Sub-Thematic Priority most relevant to your topic:**  
1.1.6 Sustainable development, global change and ecosystems  
**Other relevant Sub-Thematic Priorities:**  
1.1.6.3 Global Change and ecosystems

**Abstract:**

Forest biodiversity and service functions are currently threatened by global change, human land use and other forms of disturbance. The main objective of this integrated project is to develop a resilient, multifunctional management system for tropical forests. This innovative management tool will aid sustainable management of forest ecosystems whilst being responsive to, and predictive of, changing circumstances caused by environmental change and shifting social processes. The project benefits from a multidisciplinary approach drawing together expertise from the biological and social sciences across Europe and in more than 30 developing countries in all three tropical continents. We propose extensive training for DC nationals who will participate in the research and in host country testing of our management system, which will include south-south collaboration.

**Additional document:** [EOifinal3.doc](#)

### 2. A New Environmental Compact between the EU and the South

**Acronym :** ENVPACT  
**Organisation:** UNIVERSITAT AUTONOMA DE BARCELONA - INSTITUT DE CIENCIA I TECNOLOGIA AMBIENTALS (UAB-ICTA)

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**Applicable Instrument:** Network of Excellence  
**Sub-Thematic Priority most relevant to your topic:**  
1.1.6 Sustainable development, global change and ecosystems  
**Other relevant Sub-Thematic Priorities:**  
1.1.7 Citizens and Governance in a Knowledge-based society

**Abstract:**

Global environmental governance requires cooperation on many issues. The Network will combine the

strengths of groups in the EU and "third countries" in order to coordinate and promote research on instruments and policies for a new environmental compact between the EU and the South, with a view to bring together poverty reduction and environmental improvement. In the first stage the research will focus on a general and sectoral diagnosis of the environmental relations between the EU and different regions of the South, building on work already done in environmental accounting. Then, the second stage will focus on new instruments and policies which are attractive to the South, conducive to sustainability, and beneficial also for the EU in the long run, in the specific areas of Trade, Climate Change, Agriculture and Forestry, Fisheries, and Corporate Environmental Management.

**Additional document:** Not available

### 3. CARBON SEQUESTRATION AND BIODIVERSITY CONSERVATION IN GRASSLANDS AND RELATED AGRO-SILVO-PASTORAL ECOSYSTEMS UNDER CLIMATE AND LAND USE CHANGES

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**Applicable Instrument:** Integrated Project  
**Sub-Thematic Priority most relevant to your topic:**  
 1.1.6.3 Global Change and ecosystems  
**Other relevant Sub-Thematic Priorities:**  
 1.1.5 Food Quality and Safety

**Abstract:**  
 Grasslands are part of sustainable low-input agro-silvo-pastoral integrated production systems (priority 1.1.5). Global change is a threat to their conservation and the services they provide. To develop strategies for GC prevention, mitigation, adaptation (priority 1.1.6.1) we should address simultaneously the major components of GC: land-use, atmospheric composition, climate, biodiversity, by developing a methodology to treat multi-factorial effects in complex systems, combining empirical results from controlled-environment and field experiments, and mathematical modelling. We should determine the role of plant adjustments, functional types responses and biodiversity effects. We should evaluate the link between grassland management, biodiversity, C sequestration and the C and N cycles by encouraging the simultaneous assessment by specialists in the different compartments.  
**Additional document:** [CARBODIVERS.doc](#)

### 4. Climate policy, Energy Technology Transfers, and Sustainable Development

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**Applicable Instrument:** Integrated Project  
**Sub-Thematic Priority most relevant to your topic:**

#### 1.1.6.3 Global Change and ecosystems

##### Other relevant Sub-Thematic Priorities:

#### 1.1.6.1 Sustainable energy systems

##### Abstract:

To meet the commitments of the Kyoto protocol, a considerable effort needs to be made by the EU and its Member States to enhance the development, implementation and diffusion of 'green' energy technology. Two crucial dilemmas are that: 1) decisions of industry and policy makers are often technology specific and not optimised from a climate policy perspective and that: 2) depending on such decisions, both synergies and trade-offs may occur between technology development, use and diffusion within the EU and the transfer of existing technologies via the KP flexibility mechanisms. The key research challenge of the project is to optimise such decisions and their coordination. The proposed project is based on close cooperation between universities, research institutes and industry. It will systematically assess the policy decision options affecting various energy technologies: renewable energy (wind and solar), fuel switch (coal/oil to gas), biomass/forestry and energy efficiency improvement, thus contributing to a fair, feasible and cost effective EU-wide climate policy regime.

**Additional document:** Not available

### 5. Development and integration of spatial tools for forest resource assessment and management based on the use of remote sensing.

**Acronym :** FORESTA

**Organisation:** Forestry Commission Forest Research

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**Applicable Instrument:** Network of Excellence

##### Sub-Thematic Priority most relevant to your topic:

1.1.4.ii Space

##### Other relevant Sub-Thematic Priorities:

1.1.2.i Applied IST research addressing major societal and economic challenges

1.1.6.3 Global Change and ecosystems

##### Abstract:

The use of remote sensing techniques in forestry has been developing over the last few decades, and some of them can now be important operational tools for forest authorities and in forest management, in a variety of application domains, e.g. forest inventory, health monitoring, pollution control, and timber forecasting. In addition, remote sensing techniques are a valuable source of spatial information when combined with GIS. The network's programme will primarily quantify the usability of existing tools in terms of its operability, exportability to other EU regions, availability and understanding. The group will develop a framework for the integration of existing tools and their optimisation in different geographical contexts. The main method for the dissemination of results will be the compilation of a suite of tools available for forest practitioners.

**Additional document:** [SS-FP6 Final- Proposal for a Network of Excellence1.doc](#)

### 6. Development of Silvicultural Systems for Diversified Multipurpose Forestry

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**Applicable Instrument:** Integrated Project  
**Sub-Thematic Priority most relevant to your topic:**  
 1.1.6.3 Global Change and ecosystems  
**Other relevant Sub-Thematic Priorities:**  
 1.1.6.1 Sustainable energy systems

**Abstract:**  
 Silviculture is the tool to meet the forest management objectives of landowners and society. The demands for diversifying forest management practices and creating stand structures different from even-aged forests have been voiced by the public in all major forested countries and forest dependent economies. The overall objective of this EoI is to contribute to sustainability of forest management by studying multipurpose silvicultural systems that would alleviate adverse effects of some silvicultural practices. The initiative would focus on silvicultural systems that are capable of creating with two or more age classes. Especially, this would include shelterwood system and mixed forests. We would study regeneration cutting methods of shelterwood and strip cutting for a forest management goal how to combine favourable ecology and economy. This EoI would research biological requirements for active natural regeneration, technology needed, and what are the economic constraints of these practices.  
**Additional document:** Not available

## 7. DRYLAND REHABILITATION USING AGROFORESTRY SYSTEMS IN THE TROPICS

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**Applicable Instrument:** Integrated Project  
**Sub-Thematic Priority most relevant to your topic:**  
 1.1.6.3 Global Change and ecosystems  
**Other relevant Sub-Thematic Priorities:**

**Abstract:**  
 Drylands especially in Africa are suffering from pressure caused by a growing human population and livestock grazing. Soil degradation leads to increasing risks of crop failure. Global climate change contributes to these pressures. It is therefore important to provide research that supports the efforts of local researchers and extension officers to promote integrated farming systems of trees and crops which maximise farmers' revenue in poor environmental conditions. It is also important to develop an integrated modelling tool which assimilates our best knowledge of the biophysical processes controlling competition for light, water and nutrients between trees and crops in agroforestry systems, and which uses these predictions in conjunction with a model of socio-economic processes to represent farmer households and how farmers might allocate their scarce resources of land, labour and finance in selecting different management methods in response to changing food supply, market prices, climate change mitigation incentives, population density and other external pressures.

**Additional document:** [EOIdrylandrehab.doc](#)

## 8. eBusiness as a tool for rural development

**Acronym :** eRURALDE  
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**Applicable Instrument:** Integrated Project  
**Sub-Thematic Priority most relevant to your topic:**  
1.1.2.i Applied IST research addressing major societal and economic challenges  
**Other relevant Sub-Thematic Priorities:**  
1.1.6 Sustainable development, global change and ecosystems

**Abstract:**  
eRURALDE aims to contribute to agriculture and rural areas development by using eBusiness tools to improve the economy, trading and logistic facilities with both suppliers and customers or rural areas SMEs or small inhabitants associations, as well as the communications with far away rural areas and isolated mountain regions. Some of the specific fields of research proposed are: 1.- Knowledge management using Internet facilities for taking business decisions in rural areas. 2.- eCommerce in agriculture, livestock and forestry productions. 3.- New services for rural development, as new eBusiness activities like eHealth, local shop or Internet services for agro-tourism. 4.- Communication in rural areas, to share knowledge on technologies applied to ecological and integrated production, and new systems for agricultural and farming production.  
**Additional document:** [EOI\\_ERURALDE.doc](#)

## 9. Economics of Public Environmental Goods in Forestry and Agriculture

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**Applicable Instrument:** Network of Excellence  
**Sub-Thematic Priority most relevant to your topic:**  
1.1.6.3 Global Change and ecosystems  
**Other relevant Sub-Thematic Priorities:**  
1.1.5 Food Quality and Safety

**Abstract:**  
Agriculture and forestry (AF) are seeking to redefine their roles in society. Farming is considered to have become detached from the rest of the economy and environment, and forestry is evaluating its broader role in the provision of environmental benefits Integrating public environmental goods into policy is becoming a key issues in AF. Currently, AF production is frequently driven by subsidies, especially the CAP, often excluding the provision of public goods. This project aims to assess AF policy across Europe and compare instruments used for the inclusion of public benefits. Where there is an absence of regulation and policy, policy advice will be developed with specific recommendations on: 1.

Economic and institutional reform 2. The type of statistics required to inform policy 3. Costs and benefits of potential policy directions.

**Additional document:** Not available

## 10. ENVIRONMENTAL VALUATION

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**Applicable Instrument:** Network of Excellence

**Sub-Thematic Priority most relevant to your topic:**  
1.1.6 Sustainable development, global change and ecosystems

**Other relevant Sub-Thematic Priorities:**  
1.1.6.3 Global Change and ecosystems

### Abstract:

The main objectives of the 'ENVALUE' Network of Excellence are 1) to improve the quantity and quality of research on environmental valuation in Europe, 2) to discuss standards for its use in analysis and policy, 3) to broaden the dissemination of research results 4) to develop teaching protocols for higher education. A consistent approach to valuation is needed to avoid distortion in the allocation of resources in the current and future Member States. The network, with more than 100 experts on valuation across Europe, also provides an architecture for PhD-education, research exchanges, dissemination of results and more. It is intended to become a backbone for valuation research in Europe.

**Additional document:** [Valuation\\_NoE\\_3.pdf](#)

## 11. Fire-free agricultural landscapes in the tropics

**Acronym :** FALT  
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**Applicable Instrument:** Integrated Project

**Sub-Thematic Priority most relevant to your topic:**  
1.1.6.3 Global Change and ecosystems

**Other relevant Sub-Thematic Priorities:**

### Abstract:

Rural fires adversely affect the sustainable resource use of agricultural landscapes of the tropics and subtropics, both intentional as an appreciated tool (slash-and-burn) and non-intentional as a feared curse (accidental fires). Avoiding fire thus is a concern of global interest. Fire-free land preparation and fire protection measures should therefore be established in affected regions of small spatial units

(communities) by creating common-interest initiatives. For this a fairly advanced level of mechanization, involving tractors and machinery is required, which can be introduced by a multi-stakeholder (farmers, service providers, government) use under private ownership of equipment ("mechanization service centers"). The project should start in selected tropical forest and savannah benchmark sites.

**Additional document:** Not available

## 12. Forecasting the effects of human related impacts on upland landscapes.

**Acronym :** upland  
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**Applicable Instrument:** Integrated Project

**Sub-Thematic Priority most relevant to your topic:**

1.1.6 Sustainable development, global change and ecosystems

**Other relevant Sub-Thematic Priorities:**

1.1.6.3 Global Change and ecosystems

### Abstract:

The main objective of this project is to work out an universal system for forecasting the consequences of different human related factors on uplands landscapes. The result will be the construction of an integrated forecasting model for the management of uplands landscapes, based on integrated and significant indicators. The data arrays should make it possible to modify the monitoring indicators depending on global as well as local changes. The program will be tested in the Eastern Carpathian region of Poland (500km<sup>2</sup>, almost 1500 m high). The most frequent anthropogenic threats, such as air pollution, climate change, forestry and technical infrastructure will be taken into consideration. At the final stage, based on the data arrays and forecasting model, the program will be adapted to the different structure of other European upland landscapes.

**Additional document:** [SUBMITTERfin.doc](#)

## 13. Forest Fire Spread and Impact Prevention and Mitigation

**Acronym :** FIRE SPREAD  
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**Applicable Instrument:** Integrated Project

**Sub-Thematic Priority most relevant to your topic:**

1.1.6 Sustainable development, global change and ecosystems

**Other relevant Sub-Thematic Priorities:**

1.1.6.3 Global Change and ecosystems

### Abstract:

FIRE SPREAD will develop an end-to-end solution with inputs from Earth observation and meteorology, the human dimension of fire risk and assimilation of these data in fire prevention and

behaviour models. It will contribute to a better understanding of the role of physical, structural and social factors, favourable to the occurrence, development and impact of forest fires. It will provide new tools for fire management, suppression, safety, mitigation of negative effects and new approaches to post-fire management, in close collaboration with forest agencies. FIRE SPREAD will adopt a highly interdisciplinary and innovative approach that builds on the key scientific achievements of the contributing teams. A management team will be responsible for integrating research across the project and for disseminating the outputs and the proposed forest fire management system.

**Additional document:** Not available

#### 14. Functioning of the European Tropical Rainforest Sphere

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**Applicable Instrument:** Network of Excellence  
**Sub-Thematic Priority most relevant to your topic:**  
 1.1.6.3 Global Change and ecosystems  
**Other relevant Sub-Thematic Priorities:**

#### **Abstract:**

Tropical rainforests have the largest biodiversity of our planet and a thorough understanding of the functioning of this biome is essential to understand, detect and predict global change. In order to know the human impact on the system and vice versa, the tropical rainforests need to be investigated in a human "zero-influence-zone" as well as under perturbed circumstances and artificial manipulations. The best forest worldwide providing this prerequisite is found in the largest Tropical Rainforest of the EU in French Guiana. The members of the EU have signed the Kyoto Protocol and the Montreal Protocol, which emphasize Global Change and Loss of Biodiversity as key problems of this millenium. While the United States research in this area is well coordinated and has reasonable good infrastructure, the research of the EU is only vaguely coordinated on the level of individual states and nearly not existing between the EU countries. Focusing the European research in a confined area with extraordinary good infrastructure and coordinating research by means of a network of excellence will mitigate the gaps to the US and strengthen the EU's expertise in global problem management.

**Additional document:** [Eutrosphere.doc](#)

#### 15. Fungi in Forestry and Agriculture

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**Applicable Instrument:** Integrated Project  
**Sub-Thematic Priority most relevant to your topic:**  
**Other relevant Sub-Thematic Priorities:**

**Abstract:**

Sustainable terrestrial ecosystems depend on nutrient cycles controlled by soil fungi. Diverse fungi act symbiotically with specific plant hosts in resource-sharing webs, and saprotrophically to retrieve nutrients from plant remains. Nitrogen, which can rate-limit decomposition and plant growth, is accumulated, sequestered and transported in extensive networks of microscopic fungal filaments. To optimize management for sustainability, we must know to what extent nitrogen and carbon cycle processes depend on the spatial integrity of fungal networks. With substantial resources in genomics, biochemistry, genetics, and imaging, the integrated project will for the first time be able to map and quantify the key processes of nitrogen accumulation, mobilisation and transport by fungi, at spatial scales ranging from landscape down to cell microscopy. Results will inform practice in conservation, technology for food and feed production from agricultural waste, and soil bioremediation, via relevant organisations included in the integrated project.

**Additional document:** Not available

## 16. Global monitoring of forest damage and analysis of correlation to climate change

**Acronym :** FORDAC

**Organisation:** Swedish Environmental Research Institute (IVL)

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**Applicable Instrument:** Integrated Project

**Sub-Thematic Priority most relevant to your topic:**

1.1.4.ii Space

**Other relevant Sub-Thematic Priorities:**

1.1.6.3 Global Change and ecosystems

**Abstract:**

Forest damage events caused by storms, fires, insects, fungi and pollution have during the last decade been observed to increase in frequency and intensity. These observations constitute a strong motive for monitoring forest damage events within the GMES initiative. The proposal aims at developing a system for global monitoring of severe forest damage caused by storms, fires, insects, fungi and pollution based on ENVISAT MERIS data combined with other satellite sensors. Observations of increasing frequency and intensity of forest damage events are with little evidence generally attributed to regional meteorological anomalies related to global change. The consortium will develop and demonstrate a process for analysis of relationships between monitored damage events and meteorological change in different parts of the world, as a basis for decisions on long term trend studies

**Additional document:** Not available

## 17. Governance of natural resources in agriculture, forestry and fisheries

**Acronym :** Multi-purpose

**Organisation:** Agricultural Economics Research Institute (LEI)

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**Applicable Instrument:** Integrated Project

**Sub-Thematic Priority most relevant to your topic:**

1.1.6.3 Global Change and ecosystems

**Other relevant Sub-Thematic Priorities:**

1.1.7.ii Citizenship, democracy and new forms of governance

**Abstract:**

Agriculture, forestry and fisheries are the key economic activities that sustain natural resources, and the adoption of proper governance strategies could strengthen the sustainable management of such natural resources, both economically, ecologically and socially. The project gains insight into strategies - and implementation through the adoption of suitable instruments - of management practices in agriculture, forestry and fisheries that support multiple functions in a sustainable manner. The main functions sustained by the activities are explored, and the impacts of policies on multifunctionality are assessed. The experience gained is used to support and extend the exchange of good practices that are based on transnational learning. Pilot projects are implemented and training programmes developed where such multi-actor and multi-target approaches could strengthen the multiple functions identified.

**Additional document:** [Expression of Interest \(Background report\).doc](#)

## 18. Improved Methods to Identify Timber and its Origin

**Acronym :** TimberIdentification

**Organisation:** Federal Research Centre for Forestry and Forest Products Institute for Forest Genetics and Forest Tree Breeding

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**Applicable Instrument:** Integrated Project

**Sub-Thematic Priority most relevant to your topic:**

1.1.6.3 Global Change and ecosystems

**Other relevant Sub-Thematic Priorities:**

**Abstract:**

Combating illegal logging and global deforestation is a great challenge. The EU- Commission will support any measures which result in trading only legally logged timber. Therefore, one of the measures will be setting up an EU regulation allowing import controls of timber and wood products from abroad. In order to control the imports, a direct method to identify timber and its origin will be developed, using fingerprinting markers based on chemical and genetic methods. Research institutes from 5 EU member countries have already shown their excellence and potential to differentiate between populations and individuals of the same species resp. to identifying timber according to certain criteria. Cooperation is necessary and offered by timber exporting countries.

**Additional document:** Not available

## 19. Improving tropical forest management for people and sustainable development

**Acronym :** IMPuISeD

**Organisation:** Tropenbos International

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**Applicable Instrument:** Network of Excellence

**Sub-Thematic Priority most relevant to your topic:**

1.1.6.3 Global Change and ecosystems

**Other relevant Sub-Thematic Priorities:**

**Abstract:**

TBI proposes to create a 'network of excellence' to increase knowledge, capacity and uptake on sustainable forest management in order to alleviate poverty and achieve sustainable development through responsible use of tropical forests. Key characteristics are: 1) Established locally owned, coherent basis for research, capacity building and uptake of results 2) Development of management concepts, methods and prescriptions, that are based on scientific evidence 3) Capacity (research, human, institutional) building and strengthening to implement sustainable forest management and conservation 4) Recommendations for improving sustainable forest management and conservation

**Additional document:** Not available

## 20. INEGRATED E-STRATEGY

**Acronym :** E-IRES  
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**Applicable Instrument:** Network of Excellence

**Sub-Thematic Priority most relevant to your topic:**

**Other relevant Sub-Thematic Priorities:**

**Abstract:**

The point 1.1.6 of the guideline referring to Strategy for Sustainable Development have been identified focusing on land and forest. Develop strategies and tools for sustainable use of land ,water,coastal zone. Develop integrated concepts for multipurpose utilization of agricultur and forest resources. E-business and E-government as well as knowledge management issue need to be developed along the integrated approach.

**Additional document:** Not available

## 21. Integrated and Multidisciplinary Forest Management System

**Acronym :** FORTE  
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**Applicable Instrument:** Integrated Project

**Sub-Thematic Priority most relevant to your topic:**

1.1.2 Information Society technologies

**Other relevant Sub-Thematic Priorities:**

1.1.2.i Applied IST research addressing major societal and economic challenges

1.1.6 Sustainable development, global change and ecosystems

1.1.6.1 Sustainable energy systems

1.1.6.3 Global Change and ecosystems

**Abstract:**

FORTE initiative tries to integrate existing technologies in data gathering, data communication, data visualisation, data mining and GRID to get a standardised inventory of Forestry and its environmental parameters at Europe scale and to develop a genera

**Additional document:** Not available

## 22. Integrated Management for Biological Resources

**Acronym :** BioEconPolicy

**Organisation:** Department of Economics & CSERGE-Economics, University College London

**Contact person details**

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**Applicable Instrument:** Integrated Project

**Sub-Thematic Priority most relevant to your topic:**

1.1.6.3 Global Change and ecosystems

**Other relevant Sub-Thematic Priorities:**

**Abstract:**

BioEconPolicy will focus on developing integrated work towards the object of complete and comprehensive biological diversity management policies. The programme will integrate across natural, social science and policy/legal boundaries to focus on the development of clear policies for biodiversity conservation. Partners will be integrated into the work programme of the group with the aims of: a) basing social science modeling on biological assumptions; b) developing social sciences modeling into most sectors important to biodiversity; and c) bringing the results of the biological/social science models into policy relevant conclusions. The Project will focus on five biodiversity sectors, which include forestry, wildlife, plan genetic resources, marine resources and migratory and invasive species. The research will be inherently interdisciplinary integrating socioeconomic, ecological and policy aspects of biodiversity conservation.

**Additional document:** Not available

## 23. Integrated Modelling Approaches for Decision Support in Multiple Purpose Forestry

**Acronym :** IMODEC

**Organisation:** University of Agricultural Sciences, Vienna

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**Applicable Instrument:** Integrated Project

**Sub-Thematic Priority most relevant to your topic:**

1.1.6.3 Global Change and ecosystems

**Other relevant Sub-Thematic Priorities:**

1.1.2.i Applied IST research addressing major societal and economic challenges

1.1.7.i Knowledge-based Society and social cohesion

**Abstract:**

To effectively assist forest resource managers and policy makers in sustainably balancing multiple interests and coping with uncertain future environmental conditions we propose the development and application of generic decision support systems (DSS) for multiple purpose forestry. The aim of this IP is to produce integrated computer based decision support tools to assist decision makers in (a) structuring ill-defined decision making situations, (b) assessing the current state of forest resources, (c) exploring and designing possible future management strategies, and (d) evaluating and selecting promising solutions. Core tasks of the proposed IP will be the adaptation of existing forest ecosystem simulation models, linking them with knowledge bases on criteria and indicators for forest services and functions, develop multicriteria appraisal methods and test their social acceptability, and develop a generic DSS-software shell containing these components. A key feature of this IP will be the rapid transfer of up-to-date Know How into forest practice through a strong bidirectional consultation process with stakeholder bodies and training courses for forest resource managers.

**Additional document:** [EoI\\_IP\\_IMODEC.doc](#)

## 24. Knowledge Based Integrated Information System for Forest Resources

**Acronym :** ISFOREST

**Organisation:** Kaunas University of Technology, Department of Information Systems

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**Applicable Instrument:** Integrated Project

**Sub-Thematic Priority most relevant to your topic:**

1.1.2.i Applied IST research addressing major societal and economic challenges

**Other relevant Sub-Thematic Priorities:**

1.1.2.ii Communication, computing and software technologies

**Abstract:**

The interest of this proposal is the use of novel information technologies to integrate the distributed and hybrid information systems of forest resources management in different regions. The project deals with societal, business and economic challenges of more effective knowledge based environment and natural resources management; also with harnessing forest information resources, which are implemented in different and obsolete information technologies and distributed in geographically dispersed locations. Research will be based on the issues of semantic interoperability in adaptation of new enterprise modeling and integration methodologies, creation of collaboration means and associated middleware to make use of large scale highly distributed information resources in scalable and secure way.

**Additional document:** [EOI\\_ISFOREST\\_SHORT\\_DOCUMENT.pdf](#)

## 25. Land and forest sustainable management strategies environment-friendly and improving biodiversity.

**Acronym :** EUROFOREST  
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**Applicable Instrument:** Integrated Project  
**Sub-Thematic Priority most relevant to your topic:**  
1.1.6.3 Global Change and ecosystems  
**Other relevant Sub-Thematic Priorities:**  
1.1.2 Information Society technologies

**Abstract:**

The objective of the proposed Integrated Project is to cover a wide spectrum of areas of research that can contribute to define a strategy that will contribute to the overall improvement of the sustainable management of forests.

The proposed activities will cover a number of specific RTD issues ranging from forestry technology to Intensive forest plantations, technologies for surveillance and protection etc (see RTD tasks proposed in chapter 3).

These tasks require involvement of different knowledge domains and expertise to be developed in a co-ordinated manner at European level requiring the mobilisation of a great number of resources coming from different specific areas of knowledge and involving all European countries.

**Additional document:** [Attached docEOI TRAGSA\\_final.doc](#)

## 26. Modelling land use, climate change and agricultural system interactions, as an aid to the development of sustainable policies

**Acronym :** LUCAS  
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**Applicable Instrument:** Network of Excellence  
**Sub-Thematic Priority most relevant to your topic:**  
1.1.6 Sustainable development, global change and ecosystems  
**Other relevant Sub-Thematic Priorities:**  
1.1.6.3 Global Change and ecosystems

**Abstract:**

The link between agriculture and forestry and global environmental change is becoming increasingly prominent in the design of agricultural policies. It is also recognized that this sector has the potential could provide a large set of amenities, including the possibility of abatement of net greenhouse gas emissions. In this sense, modification of plant growth, as much as change in land use, offers relevant opportunities that have to be evaluated by policy makers responsible for agriculture, forestry, and the environment. Modelling tools need to be developed to analyse the interactions between the economic choices of individuals and public agents, and the complex physical systems sensitive to anthropogenic activities. This will require interdisciplinary work based on advanced scientific knowledge in each field of research involved in this kind of analysis.

**Additional document:** Not available

## 27. MULTI-FUNCTIONAL FORESTS

**Acronym :** MULTIFORNET

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**Applicable Instrument:** Network of Excellence

**Sub-Thematic Priority most relevant to your topic:**

1.1.6 Sustainable development, global change and ecosystems

**Other relevant Sub-Thematic Priorities:**

1.1.3.i Nanotechnologies and Nanosciences

1.1.6 Sustainable development, global change and ecosystems

1.1.6.1.i Research activities having an impact in the short and medium term

1.1.6.1.ii Research activities having an impact in the medium and longer term

**Abstract:**

We propose a virtual European research centre (a “Centre without walls”) to generate new knowledge in support of multi-functional forest management with the following features :

? Operational consortia of scientists from diverse European research facilities integrating their work at a small number of long term research sites. ? The sites would be large forest landscapes of major conservation significance managed for multiple functions (Operational scale forest observatories). ?

Selection of sites would be by competition and proposals would be sought from scientists consortia. ?

Research would be closely linked to management in pursuit of the priorities for forests agreed under the various Rio/CSD processes addressing global forest issues. National scientists and local stakeholders would be involved in the conception, execution and use of the research.

**Additional document:** [EUROPEAN FRAMEWORK PROGRAMME16.doc](#)

## 28. Network of Excellence on Agroforestry:Farming with Trees for Diversified and Sustainable Management of Resources

**Acronym :** SEMAFOR

**Organisation:** Institut National de la Recherche Agronomique

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**Applicable Instrument:** Network of Excellence

**Sub-Thematic Priority most relevant to your topic:**

1.1.6.3 Global Change and ecosystems

**Other relevant Sub-Thematic Priorities:**

1.1.6 Sustainable development, global change and ecosystems

**Abstract:**

Many of the current intensive agricultural systems are not sustainable in the long term, which results in a search for alternative sustainable land use practices. Trees have been shown to enhance the environment.

Agroforestry can be defined as the integration of forest trees and agricultural activities within a farm holding in order to contribute to environmental enhancement, economic viability and/or amenity improvement. The increased complexity of agroforestry systems requires a better integration of multidisciplinary research. The Network of Excellence will i) reinforce the links between scientists currently involved in agroforestry research, ii) facilitate the involvement of scientists who are experts in other disciplines, iii) increase and strengthen the links between scientists and end-users.

**Additional document:** [Semafor.doc](#)

### 29. New concept of breeding with connection to sustainable use of the forest resources and genetic diversity conservation.

**Acronym :** BREEDFOR  
**Organisation:** Forest Research Institute

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**Applicable Instrument:** Integrated Project

**Sub-Thematic Priority most relevant to your topic:**

1.1.6.3 Global Change and ecosystems

**Other relevant Sub-Thematic Priorities:**

**Abstract:**

One of the most important issues of forest tree population concerns the genetic variability. The management of genetic variability for a sustainable use of the forest resources is the main challenge consigned to our generation. Project is targeted at the most recent genetic diversity management method and its relationship with practical breeding methods. All silvicultural and breeding activities are associated with genetic diversity. The breeding is often considered as a part of the conservation strategy. Breeding phases starting from seed stand selections and seed collections followed by seedling production for cutting methods have strong influence on the population genetic structure. It is important to elaborate the methods of genetic diversity management in order to determinate an appropriate genetic differentiation in a breeding population and to apply them in forest practice.

**Additional document:** [New concept of breeding.doc](#)

### 30. Niches and Externalities of Agroforestry practices used by smallholder farmers in the Tropics: developing 'NEAT' guidelines for Clean Development Mechanims (CDM) implementations

**Acronym :** NEAT  
**Organisation:** Institut de Recherche pour le Développement - IRD - France

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**Applicable Instrument:** Integrated Project

**Sub-Thematic Priority most relevant to your topic:**

1.1.6.3 Global Change and ecosystems

**Other relevant Sub-Thematic Priorities:**

1.1.6.3 Global Change and ecosystems

**Abstract:**

Well designed and managed agroforestry systems can play an important role in generating regional and global environmental benefits, particularly in the mitigation of climate change and conservation of biodiversity. An expansion of the use of this practice in the tropics can enhance the adaptive capacity of smallholder farmers to climate change. One of the major constraints in employing agroforestry to provide these environmental benefits is the lack of quantification of the potentials for these systems to generate benefits.

The objectives of this project are (i) determine where and how agroforestry practices can contribute to C sequestration and GHG mitigation (ii) develop guidelines for the use of agroforestry practices in CDM projects based on the biophysical and socioeconomic opportunities.

**Additional document:** [NEAT v.2d.doc](#)

### 31. PUBLIC PARTICIPATION IN EVALUATION OF SUSTAINABLE MANAGEMENT OF FOREST EXPLOITATIONS

**Acronym :** Silvanet 21  
**Organisation:** Departamento de Economía y Gestión Forestal. ETSI de Ingenieros de Montes.Universidad Politécnica de Madrid  
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**Applicable Instrument:** Integrated Project  
**Sub-Thematic Priority most relevant to your topic:**  
 1.1.6.3 Global Change and ecosystems  
**Other relevant Sub-Thematic Priorities:**  
 1.1.2.i Applied IST research addressing major societal and economic challenges

**Abstract:**

The aim of the project is to facilitate the public participation in the assessment of sustainable forestry management.

In order to achieve this objective, a evaluation methodology of the sustainability of the forest management at operative scale is going to be developed. This methodology will be tested in the most representative exploitations of the European ecosystems.

The final methodology will be implemented in a software. This software will run in Internet in order to any evaluator will be able to evaluate the sustainability of a exploitation. The software will also integrate tools so that the citizen's preference system will be considered in his evaluation.

**Additional document:** [EoI2-silvanet.doc](#)

### 32. Remote sensing based monitoring for SFM and carbon sink certification

**Acronym :** SFMCARBCERT  
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**Applicable Instrument:** Integrated Project

**Sub-Thematic Priority most relevant to your topic:**

1.1.6.3 Global Change and ecosystems

**Other relevant Sub-Thematic Priorities:**

1.1.4.ii Space

**Abstract:**

In many regions in and outside Europe sustainable forest management (SFM) certification is not sufficiently implemented. One of the reasons for this is a lack of cost-effective monitoring techniques. But also in regions, where SFM certification is well established improved monitoring techniques might increase quality of certification process. On the other hand presently carbon sink certificates are under development. For both types of certificates cost-effective monitoring techniques based on short cycle and long cycle monitoring systems making optimum use of remote sensing and geo-information techniques will be developed for regions in Africa, Europe and boreal Asia. The integration of these techniques to certification schemes and to everyday forest management will be developed together with dissemination strategies and tools.

**Additional document:** Not available

### 33. Restitution of forest soil on the ex-agricultural lands with the aim to create durable forest ecosystem

**Acronym :** SOILREST  
**Organisation:** Forest Research Institute

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**Applicable Instrument:** Integrated Project

**Sub-Thematic Priority most relevant to your topic:**

1.1.6.3 Global Change and ecosystems

**Other relevant Sub-Thematic Priorities:**

**Abstract:**

Durable afforestation of post agricultural lands is extremely significant considering the carbon bonding from the atmosphere and limiting of negative consequences concerned with the global climate warming effect. The possibility to counteract the unfavorable tendency lies among other things in enlarging the forest acreage as an area where enormous quantities of carbon are bonded. The development of fungal diseases causes, in turn the threat to the durability of the first generation of the forest on post agricultural lands. Prospects for improvement of such a situation can be achieved by development of new technology accelerating transformation of processes in post agricultural soils into valuable forest sites. One of expected results of the proposed research is the restitution of the natural biological balance in regards of appropriate soil feature characteristic for the climax forest community and natural ecosystems. The expected durable afforestation of post agricultural lands could be possibly achieved thanks to increase of biological resistance against pathogenic fungi and other forest pests.

**Additional document:** Not available

### 34. Retrieval of Terrestrial Biomass for Carbon Dynamic Assessment

**Acronym :** BIOCARBO  
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**Applicable Instrument:** Integrated Project  
**Sub-Thematic Priority most relevant to your topic:**  
 1.1.6 Sustainable development, global change and ecosystems  
**Other relevant Sub-Thematic Priorities:**  
 1.1.4.ii Space  
 1.1.6.3 Global Change and ecosystems

**Abstract:**  
 This expression of interest (EoI) for a Network of Excellence (NoE) in the context of the European Research Area (ERA), aims to strength and further develop the scientific and technological excellence of European institutions in the field of terrestrial biomass estimation for carbon dynamic assessment using remote sensing tools. The proposed network aims to integrate different research disciplines, to combine and advance the technology in order to establish Europe as the scientific leader in the domain of operational modelling and forecasting, for global climate change observation systems. Especially, the understanding and quantification of mechanisms and impact of greenhouse gas emissions and atmospheric pollutants on climate and carbon sink from agricultural, forests and soils sources is addressed. One of the main objects is the realisation of an operational forecasting and modelling, including global climate change observation system.

**Additional document:** [BIOCaRBO-EOI-1.doc](#)

### 35. Soil water balance monitoring supported by satellite

**Acronym :** PRODRYMON  
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**Applicable Instrument:** Integrated Project  
**Sub-Thematic Priority most relevant to your topic:**  
 1.1.4.ii Space  
**Other relevant Sub-Thematic Priorities:**  
 1.1.6.3 Global Change and ecosystems

**Abstract:**  
 Too little soil water causes droughts and human distress through reduced vegetation development and crop yield, but also increases the risk on forest fires. Too much soil water has the same effect and is at the origin of landslides and floods. Soil water is also the motor of carbon fluxes and weather development. New satellite earth observation sensors will provide data on surface soil moisture. When these data are applied in combination with soil/water/vegetation models, innovative soil water balance monitoring will get operational applications. The new sensors are predominantly European e.g. ASCAT,

SMOS. The innovative methods to achieve this are potentially a subject 'par excellence' of the European capability for GMES in 2008. Soil water is an element of individual GMES related activities, but a critical mass of focussed attention on the subject is required.

**Additional document:** Not available

### 36. Strategies for the Management of Sustainable Silvopastoral Systems

**Acronym :** SILVOPASTO  
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**Applicable Instrument:** Network of Excellence

**Sub-Thematic Priority most relevant to your topic:**

1.1.6.3 Global Change and ecosystems

**Other relevant Sub-Thematic Priorities:**

1.1.2.i Applied IST research addressing major societal and economic challenges  
1.1.5 Food Quality and Safety

**Abstract:**

The Network of Excellence will develop integrated concepts for the sustainable multipurpose utilisation of agricultural and forest resources. It will link scientists from different fields of research, such as socio-economy, natural sciences and political sciences. The NoE will lead to a better understanding of the ecological functioning, the political and socio-economic prerequisites and consequences and the environmental output of silvopastoral systems. Based on this, strategies for the management of sustainable silvopastoral systems will be developed. The NoE will also recommend concerted political strategies to support management and implementation of silvopastoral systems, thus counteracting the de-population of rural areas and enhancing biodiversity, landscape amenity and land-use sustainability.

**Additional document:** [SILVOPASTO\\_mayer.pdf](#)

### 37. Strategies for the sustainable management of fish and wildlife resources

**Acronym :** SUMAFIWI  
**Organisation:** Center for Fish and Wildlife Research

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**Applicable Instrument:** Network of Excellence

**Sub-Thematic Priority most relevant to your topic:**

1.1.6.3 Global Change and ecosystems

**Other relevant Sub-Thematic Priorities:**

1.1.6 Sustainable development, global change and ecosystems

**Abstract:**

Wise utilisation and conservation of fish and wildlife resources in the forest and agriculture landscapes will strongly contribute to sustainable development of rural areas.

An integrated European approach in the suggested area of research will be wise since a) relatively many excellent research groups exists, but are often too small and scattered, b) the critical mass of theoretical ecologists, field ecologists, economists and management researchers are difficult to achieve within single country c) the need for expertise from different disciplines (natural science, social science, behavioural science) are essential when addressing management issues. Further, the field of fish and wildlife biology has so far not been focus for any larger co-ordinating efforts within the Community.

**Additional document:**

[Strategies for the sustainable man of fish and wildl res - short document.doc](#)

### 38. Supporting European Competitiveness in the Changing Forest Sector

**Acronym :** Secure-forests  
**Organisation:** Finnish Forest Research Institute (METLA)  
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**Applicable Instrument:** Network of Excellence  
**Sub-Thematic Priority most relevant to your topic:**  
 1.1.6.3 Global Change and ecosystems  
**Other relevant Sub-Thematic Priorities:**  
 1.1.7 Citizens and Governance in a Knowledge-based society

**Abstract:**  
 There are major changes - even contradicting each others - ongoing in the world forests: forests are increasing in Europe with serious deforestation elsewhere; values and use of forests are diversifying towards amenity and environmental services; forest management regimes are changing as also the economic and social role of forests. These changes will continue to have significant repercussion on our societies and environment globally, by regions and by localities, and also on the competitiveness of soon expanding European forestry and globalizing forest industries. As a truly innovative global network the project World Forests, Society and Environment (IUFRO-WFSE), with ten partner research institutions, represents an efficient option as a Network of Excellence to critically identify and analyse these implications, and disseminate the findings to interested parties.  
**Additional document:** [EU\\_expre\\_text.doc](#)

### 39. SUPPORTING EUROPEAN EXCELLENCE IN TROPICAL FOREST RESEARCH FOR SUSTAINABLE DEVELOPMENT

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**Applicable Instrument:** Network of Excellence

**Sub-Thematic Priority most relevant to your topic:**

1.1.6.3 Global Change and ecosystems

**Other relevant Sub-Thematic Priorities:**

1.1.2 Information Society technologies

1.1.6 Sustainable development, global change and ecosystems

1.1.7 Citizens and Governance in a Knowledge-based society

**Abstract:**

ETFRN proposes to support Networks of Excellence (NOE) and Integrated Projects (IP) in the fields of research on forest and tree resources in the tropics, subtropics and Mediterranean by:  
making available networking infrastructure, both web-based and other;  
providing virtual meeting places and discussion fora;  
providing and creating virtual libraries;  
stimulating joint learning and exchange between scientists in Europe and in the developing world, together with the users of forest and tree resources and other stakeholders;  
Stimulating links between NOEs and IPs where appropriate and feasible;  
Disseminating results to a wide audience through different media, including web-based media;  
Sharing experience and linking with other regional and global networks and initiatives.

**Additional document:** [EOInetworksupport.doc](#)

#### 40. SUSTAINABLE DEVELOPMENT OF MOUNTAIN FORESTS

**Acronym :** SUMOFOR  
**Organisation:** UNI BOKU Vienna (<http://www.boku.ac.at/>)Forest and Wood Science (<http://waho.boku.ac.at/>)

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**Applicable Instrument:** Network of Excellence

**Sub-Thematic Priority most relevant to your topic:**

1.1.6.3 Global Change and ecosystems

**Other relevant Sub-Thematic Priorities:**

1.1.7 Citizens and Governance in a Knowledge-based society

1.1.7.i Knowledge-based Society and social cohesion

1.1.7.ii Citizenship, democracy and new forms of governance

**Abstract:**

The network aims at integrating highly fragmented European expertise and scientific infrastructure for European leadership on sustainable development of mountain forests with a global perspective. It can build on excellent scientific standing of potential members, on past co-operation and on the priority of mountain research (year of the mountains, new academic curriculum in mountain forestry at UNI BOKU) with contributions from European and non-European universities. The network will integrate and improve existing resources, will address important questions in mountain forest restoration, conservation, natural hazards, hydrology, carbon sequestration and participatory management and will be active in human capacity building and dissemination of knowledge at all levels.

**Additional document:** [NOE GG text only.doc](#)

#### 41. Sustainable Development of Multifunctional Landscapes

**Acronym :** Landscape Tomorrow  
**Organisation:** Centre for Agricultural Landscape and Land Use Research (ZALF) e.V.

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**Applicable Instrument:** Network of Excellence

**Sub-Thematic Priority most relevant to your topic:**

1.1.6.3 Global Change and ecosystems

**Other relevant Sub-Thematic Priorities:**

1.1.7.i Knowledge-based Society and social cohesion  
1.1.7.ii Citizenship, democracy and new forms of governance

**Abstract:**

Global change and the EU enlargement affect the driving forces for ecosystem functioning, land use decision-making and rural development. New demands on landscapes and natural resources call for multifunctional approaches to land development. Tools are required to (i) identify the effects of land development options on landscape sustainability and (ii) support the decision-making process on the multipurpose utilisation of landscape resources. These requirements call for major scientific efforts on a European level including both, interdis-ciplinary research and coverage of all Europe, including the accession countries.

The mutual network research will (i) analyse general principles of landscape multifunctio-nality, (ii) develop methods to assess the sustainability of agricultural and forestry land uses, and (iii) identify strategies of sustainable land management and rural development.

**Additional document:** [Eol Landscape Tomorrow.doc](#)

## 42. SUSTAINABLE INTEGRATED LAND CONSORTIUM

**Acronym :** SILC  
**Organisation:** Cambridge University Engineering Department

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**Applicable Instrument:** Integrated Project

**Sub-Thematic Priority most relevant to your topic:**

1.1.6.3 Global Change and ecosystems

**Other relevant Sub-Thematic Priorities:**

1.1.3 Nanotechnologies and nanosciences, knowledge-based multifunctional materials and new production processes and devices

**Abstract:**

The goal of this consortium is to make major improvements in the solutions available for the sustainable redevelopment of urban derelict land. This will be achieved through: ? Strengthening the capability of the European research base in this area. ? Providing an identifiable source of multi-disciplinary academic excellence able to respond to the needs of the end users of research in industry, commerce, the service and public sectors through a programme of collaborative research and technology transfer. ? Developing and promoting a strategic research agenda. This proposal is produced by Dr Abir Al-Tabbaa (Cambridge University, UK), Prof. David Lerner (Sheffield University, UK), Dr Tim Dixon (Reading University, UK), Dr Andy Moffat (Forest Research, UK) and Dr Stephen Garvin (BRE, UK).

**Additional document:** Not available

### 43. Sustainable Land Management in Upland Areas

**Acronym :**  
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**Applicable Instrument:** Integrated Project  
**Sub-Thematic Priority most relevant to your topic:**  
1.1.6.3 Global Change and ecosystems  
**Other relevant Sub-Thematic Priorities:**

**Abstract:**  
There is a demonstrable need for sustainable land management in upland areas, that successfully integrates conservation, sporting, farming and forestry interests. Pressure for the development of improved management systems has probably never been greater. Agricultural incomes, particularly in upland upland areas, are low and rural depopulation continues. Increased public awareness of environmental issues and European initiatives, such as the Habitats Directive, increasingly require landowners to protect and enhance local biodiversity. Research would provide cost-benefit analyses for various land management options - considering biodiversity, landscape and economic impacts. Farmers, landowners, conservationists, foresters, sportsmen and gamekeepers would all be involved in the development of new recommendations, based on current good practice and new research.  
**Additional document:** Not available

### 44. Systematic Monitoring, Analysis, And Forecasting Of Climate-Biosphere Interactions

**Acronym :** SYSMAF  
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**Applicable Instrument:** Integrated Project  
**Sub-Thematic Priority most relevant to your topic:**  
1.1.6.3 Global Change and ecosystems  
**Other relevant Sub-Thematic Priorities:**  
1.1.2.i Applied IST research addressing major societal and economic challenges  
1.1.5 Food Quality and Safety  
1.1.6.1.i Research activities having an impact in the short and medium term  
1.1.6.1.ii Research activities having an impact in the medium and longer term

**Abstract:**

SYSMAF addresses major gaps in current monitoring and analysis of the biosphere and significantly improve the interpretation of biosphere-climate interactions in the context of global change. The timing of life cycle events (phenology) will function as backbone of the project. We will introduce a common, innovative Internet-based database system for monitoring, data analysis/modelling and scenario analysis. SYSMAF provides a unifying concept for integration of existing and new observer networks, researchers, general public, policy makers and the media. We will introduce common observation protocols and geo-referencing throughout Europe supported by sophisticated quality control, analyses and mapping tools providing direct feedback to the many user-groups involved. The project will integrate applications in all areas of biosphere-climate interactions such as ecology, agriculture, forestry, remote sensing and human health.

**Additional document:** [sysmaf\\_eoi\\_publishedoncordis.doc](#)

#### 45. The Role of Macrofungi in Sustainable Forestry and the Monitoring of Global Climate Change

**Acronym :** FASFOR  
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**Applicable Instrument:** Integrated Project  
**Sub-Thematic Priority most relevant to your topic:**  
 1.1.6.3 Global Change and ecosystems  
**Other relevant Sub-Thematic Priorities:**  
 1.1.5 Food Quality and Safety

**Abstract:**

The use of forestry to act as a carbon sink will necessitate the extensive planting of new woodland. The project proposes to examine the macrofungal harvest of edible species in current forests to understand the conditions necessary to achieve the maximum harvest from new forests. This will be done by both ground surveys and remote sensing. The data generated will be of a standardised nature and also act as a baseline to follow the effect of global warming on macrofungal fruiting and distribution.

Hypothesis: It is possible to set conditions (from tree species, macrofungal inoculum, climate, geology and topography) for new forestry such that any timber harvest will be matched economically by the macrofungal harvest. Fungi will show a response to climate change and can be used to monitor its progress.

**Additional document:** [EOI1FASFOR.doc](#)

#### 46. Tools and Strategies for Sustainable Target Settings

**Acronym :** STARSET  
**Organisation:** ISIS (Istituto di Studi per l'Integrazione dei Sistemi)  
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**Applicable Instrument:** Integrated Project

**Sub-Thematic Priority most relevant to your topic:**

1.1.6.3 Global Change and ecosystems

**Other relevant Sub-Thematic Priorities:**

**Abstract:**

STARSET, with an overall duration of 5 years, intends to carry out innovative research to develop, improve and integrate tools and methods for sustainable strategies, with particular emphasis on the approach to sustainable target setting by relying on robust scientific evidence. STARSET addresses sustainability issues across several economic sectors and activities (agriculture, forestry, land and water management, but also industry and transport) by integrating different research streams, such as e.g. externality valuation, environmental assessment, threshold identification, technological assessment and modelling. STARSET will mainly concentrate on Externality analysis and Target setting, and their integration with novel approaches to sustainable policy formulation, while establishing the appropriate liaisons with research in the modelling area and in the field of threshold analysis.

**Additional document:** Not available

#### 47. Conservation and mobilisation of valuable tropical tree species for present and future use

**Acronym :** OPTIONS

**Organisation:** Royal Veterinary and Agricultural University of Copenhagen

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**Applicable Instrument:** Integrated Project

**Sub-Thematic Priority most relevant to your topic:**

1.1.6.3 Global Change and ecosystems

**Other relevant Sub-Thematic Priorities:**

1.1.6.1.ii Research activities having an impact in the medium and longer term

**Abstract:**

This IP should initiate and co-ordinate R&D that leads to sustainable conservation and utilisation of valuable tropical tree species - for present and future human benefits at local and global levels. A priceless resource is being lost as species are overexploited or their habitats degraded. Because they indeed are recognised for their valuable products or services, integration of use and conservation based on local partnership and basic biological understanding is an important path for their sustainable protection and use. Research is therefore required to develop and mobilise: (i) new and traditional knowledge regarding potential and present use of the species, their genetic resources and their conservation status, (ii) operational methods for planning and implementation of conservation and domestication based on integrated conservation and use, and (iii) experience with community based conservation efforts that rest on fair benefit sharing and local ownership combined with international co-operation and responsibility. The outcome should provide guidance for development activities so that valuable options are left open for present and future generations.

**Additional document:** [Eol\\_6FPR\\_ConservationFGR\\_final.doc](#)