



# EU Forest Ecosystems Research



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# MENU

- **FP6 & FP7 : example of projects**
- **Environment - open call 2010: Areas to participate**



**Entrée:**

**“Deforestation” is NOT a problem  
in Europe.....but the “evolution  
of forest ecosystems”.**



# Example of projects FP6: Forest Ecosystems Research



**EFORWOOD** is a four-years *integrated project* (November 2005-October 2009), funded under the “Global change and ecosystems” research activity of FP6.

The Project includes 38 organisations in 21 countries, with total estimated budget of €20 million. The European Commission contribution is ~= €13 million.



# Example of projects FP6: Forest Ecosystems Research



**Objective of EFORWOOD:** to develop a quantitative decision support tool (**ToSIA**) for *Sustainability Impact Assessment* of the European Forestry-Wood Chain and subsets thereof (e.g. regional), covering forestry, industrial manufacturing, consumption and recycling.



# Example of projects FP6: Forest Ecosystems Research



**ToSIA** is primarily designed to give answers to “WHAT IF?” - questions.

What-if:

- EU introduces new policies on e.g. energy / transport / recycling / habitat protection?
- Wooden frames in houses are doubled?
- Global market changes?
- Oil prices doubles?



# Example of projects FP6: Forest Ecosystems Research



**EVOLTREE** is a 4.5-years *Network of Excellence* (April 2006-September 2010), funded under the “Global Change and Ecosystems” Research Activity of FP6.

This project includes 25 institutions in 15 countries, with an EC contribution of € 14.3 MIO.



# Example of projects FP6: Forest Ecosystems Research



**EVOLTREE** is linking Genomics and Ecology to understand the evolution of diversity in terrestrial ecosystems.

It focuses on assessing and forecasting changes in biodiversity, structure, function and dynamics of ecosystems and their services.





## Example of projects FP6: Forest Ecosystems Research



### **EVOLTREE** MAJOR OBJECTIVES:

To contribute to understanding **adaptive diversity** in trees and associated organisms (mycorrhizal fungi and insects).

To assemble and integrate the complementary disciplines in the field of ecological genetics and genomics (**ecosystem genomics**).

To establish and implement a European Research Platform in this field in the form of «laboratory without walls ».

To install **common infrastructures** (repository centre), field experimental sites, data management systems.

To **spread a high level excellence** to the scientific community, end-users and to the public.



# Example of projects FP7: Forest Ecosystems Research



**MOTIVE** is a 4-years *Integrated Project* (May 2009 – April 2013), funded under the Sustainable Management of Resources Research Activity of FP7.

It includes 20 organisations in 14 countries, with a total estimated budget of € 9.1 MIO.

The European Commission contribution is ≈ € 7 MIO.



# Example of projects FP7: Forest Ecosystems Research



**Overall objective of MOTIVE:** to provide insights, data and tools to improve policy-making and adaptive forest resource management in the face of rapidly changing climate and land-use conditions.



# Example of projects FP7: Forest Ecosystems Research



## Specific objectives of **MOTIVE**:

- To provide an integrated assessment of forest management strategies that simultaneously considers multiple ecosystem goods and services, rather than focusing on individual aspects such as timber production or biodiversity alone.
- To provide a comparative assessment by using the same protocol across a wide range of climatic and socio-economic conditions by adopting a regional case study approach



# Example of projects FP7: Forest Ecosystems Research



## (Cont.) Specific objectives of **MOTIVE**:

To consider the influence of feedback loops from socio-economic and policy making on resource management, thus leading to tools for adaptive resource management rather than to assume a priori defined management scenarios that are fed through a chain of models.



# Example of projects FP7: Forest Ecosystems Research



## (Cont.) Specific objectives of **MOTIVE**:

To translate scientific state-of-art knowledge about expected climate change impacts into decision support for policy makers and forest practitioners taking into account uncertainties with respect to exogenous factors (climate; markets), so as to improve the robustness of the assessment tools in real-world decision making.





# Open call 2010: Environment - Main areas related to Evolution of Forest Ecosystems

## *Area 6.1.1.6. Response strategies: adaptation, mitigation and policies*

- ENV.2010.1.1.6-1 Climate Change mitigation options linked to deforestation and agriculture in the context of a post-2010 international agreement on climate change
  - ➔ LULUCF (Land Use Change and Forestry)
  - ➔ REDD (Reduced Deforestation)
  - ➔ Funding scheme: Collaborative project (small or medium scale focused research project)



# Open call 2010: Environment - Main areas related to Evolution of Forest Ecosystems

## *Sub-Activity 6.2.1 Conservation and sustainable management of natural and man-made resources and biodiversity*

- ENV.2010.2.1.1-2 Integrated resource management based on land and land-use management
  - ➔ Linkages between different policy fields
  - ➔ Capacity to detect, cope with and intervene into land system change in a sustainable manner
  - ➔ Funding scheme: Collaborative project (large scale integrated project)





# Open call 2010: Environment - Main areas related to Evolution of Forest Ecosystems

## *Sub-Activity 6.2.1 Conservation and sustainable management of natural and man-made resources and biodiversity*

- ENV.2010.2.1.4.-1 Functional significance of forest biodiversity
  - ➔ To explore and quantify functional significance of forest biodiversity for provision of goods & services in a changing environment
  - ➔ Existing scientific networks (US and Life+ FutMon)
  - ➔ Funding scheme: Collaborative project (large scale integrating project)



***Thank you for your attention!***

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