



CHALLENGES and OPPORTUNITIES

FOREST RESEARCH and the 6th FP

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FORESTS AND EU STRATEGY ON SUSTAINABLE DEVELOPMENT

- Based on the Göteborg decision; furthermore, the integration of the external dimensions has been decided at the Barcelona Summit.
- Concrete strategy focussed on a limited number of principles and issues taking into account the long term.
- “Getting the price right” (incorporation of costs to Society and Environment) and cost-effectiveness criteria are crucial economic principles.
- Consistency between EU Policies, national, EU and international regulation.
- “Sustainability Impact Assessment” needs qualitative and quantitative assessments and tools: cost-effectiveness, cost-benefit, multicriteria analysis; evaluation of damages.



- **Scenarios and targets for environment, economic and social dimensions are important elements for SIA.**
- **Multifunctionality covers knowledge on externalities like carbon sinks, landscape, biodiversity, rural development, environment status; role of “public goods” has to be considered in this context.**
- **EU value added means not only common approaches but also an harmonised and consistent set of objectives, rules and directives, criteria for investments and management, references (scientific, thresholds, best practices).**
- **Involvement of stakeholders (both public and private) and civil society is important, “Participative approaches” have also to be considered.**
- **International dimension (partnership, international convention) must be part of the forest strategy.**



6th FP and Forests

- The forest area is addressed in FP6 in a different way compared to the previous FP (see for example “forest production” issue).
- Mainly three “entries” in FP6:
 - Priority 6.3 “Global Change and Ecosystems”
Area 5: “Strategies for sustainable land management, including agricultural land and forests”
 - Priority 3 (iii) “New production processes and devices”
 - Priority 8.1 “Policy-oriented research”
Area 1: “Sustainable management of Europe’s natural resources”





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- **“Forest and Sustainable Development”** is the key new orientation of the 6th FP; forestry/wood chain has to be seen in this context.
- **Balance between Economic, Environmental and Social dimensions has to be observed; integration of the different levels (forestry/wood chain) and scales (local, regional, global); involvement of all the stakeholders become a necessity.**
- **Integrating and strengthening the ERA; ensuring E.U. value added (also for Accession Countries); contributing to the EU Strategy for Sustainable Development are the fundamental motivation of the 6th FP.**

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- **The “Specific Programme” (SP) gives the content of each area to be treated during the 2002-2006 period.**
- **The “Work Programme” (WP) describes the content of the first call (17th December 2002) and gives indications for the second call (middle 2003).**
- **“Expression of Interest”, Advisory Group, Programme Committees have provided inputs to the Commission for the elaboration of the W.P.**



Forests in Priority 6.3 “Global Change and Ecosystems”

1. Specific Programme (2002-2006)

“Development of strategies and tools for sustainable use of land” with emphasis on (....), **forests**”

“Integrated concepts for the multipurpose utilisation of (...) forests resources” and the integrated **forestry/wood chain** in order to ensure S.D.

“qualitative and quantitative aspects of multifunctionality of (...) **forestry**”

Research will focus on

“Positive and negative externalities under different production systems”



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“Sustainable **forest management** considering regional specificity”

“Strategies for sustainable management and multipurpose utilisation of **forest resources**”

“Cost-efficiency of new environmental-friendly processes and recycling technologies within the **integrated forestry/wood chain**”



6.3 GLOBAL CHANGE AND ECOSYSTEMS

- Research areas (areas including forestry related issues):
 - I. Impact and mechanisms of greenhouse gas emissions and atmospheric pollutants on climate, ozone depletion and **carbon sinks** (oceans, forests and soil) - *I.1.a NI (2003)*
 - III. **Biodiversity** and ecosystems - *III.1.1 NI (2003)*
 - IV. Mechanisms of desertification and natural disasters (**forest fires**) - *IV.2.c TI (2004)*
 - V. Strategies for sustainable land management, including coastal zones, agricultural land and **forests** - *V.2.2 NI (2003)*



2. Work Programme (first call 2002):

V. Strategies for sustainable land management, including coastal zones, agricultural land and forests

V.2. Qualitative and quantitative aspects of multi-functionality of agriculture and forestry/wood chain

The research for the agriculture and **forestry/wood chain** will take into account the **global-local scale**, and will use an integrated, multifunctional approach covering **environmental, economic, and social** levels. Furthermore, the link and complementarity between **EU internal and external dimensions** of the Sustainable Development are fundamental components of the multi-functionality concept; a particular effort is requested for the **integration and participation of Developing Countries** (e.g. African Countries).

1st call: Forestry/wood chain - NI

2nd call: Agriculture - NI

3rd call: ?

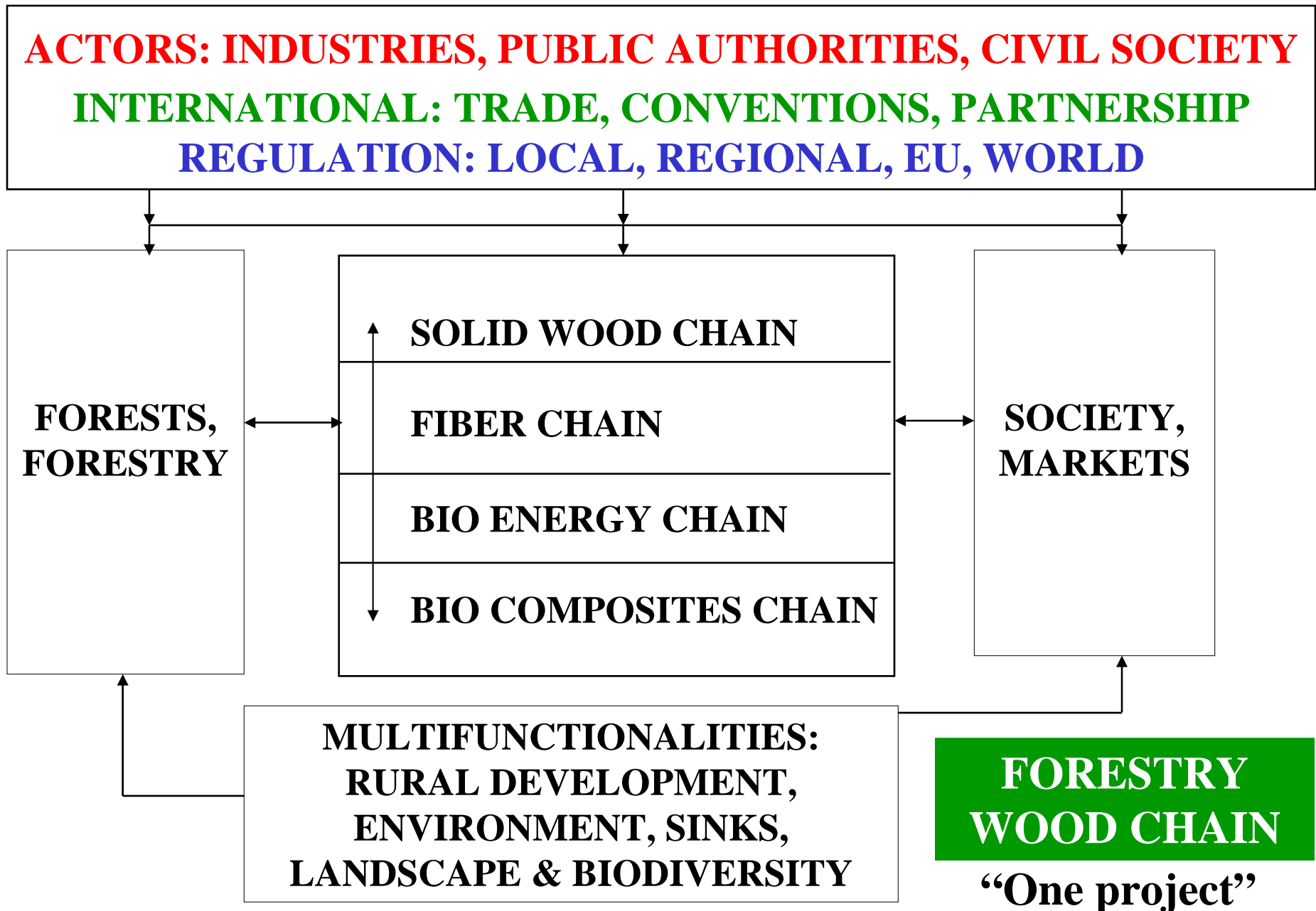


V.2.2) Forestry/wood chain for Sustainable Development

*Topic for up to **one NoE or IP to implement in 2003***

V.2.2.a) Development and application of integrated approach and tools for long-term sustainability of forest status and productivity

Role and impact of the **complete forestry/wood chain** in the context of the EU sustainable development strategy taking into account the **multi-functionality aspects**, including the **regional and international** dimensions and the **societal** needs. The necessary integration and sustainability of the different stages of the complete forestry/wood chain and the **targets** for the environmental, economic and social objectives at **local, regional and global levels** should be included in the systems of forest production and technological and industrial processes analysis





Specific Support Action

Lessons from past research on sustainable production and utilisation of forests

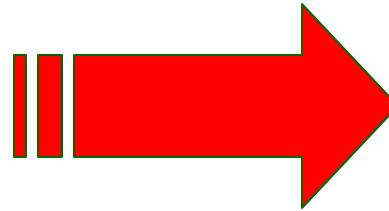
Characterisation of the multifunctionality aspects of forestry/wood chain with regard to their capacity of natural resource conservation, landscape orientation and land use creation to different types of region (mountains, coastal zones, cultivated areas and urban forests) including their industrial utilisation in the forestry/wood chain and taking into account the role of the actors, institutions and legislation.



Integrated Projects

Objectives

*Real breakthroughs,
SusDev, Technologies*



**Clear and Quantified
Deliverables and
Integration...**

... across Activities

*Research, Support to
SMEs, Int. Cooperation,
Technology Transfer,
Dissemination, Training*

50% EC Funds

... across Areas

*Basic science, Modelling,
Monitoring, Technologies,
Management of resources,
Instruments and devices,
Engineering, Logistics, etc.*

... among Participants

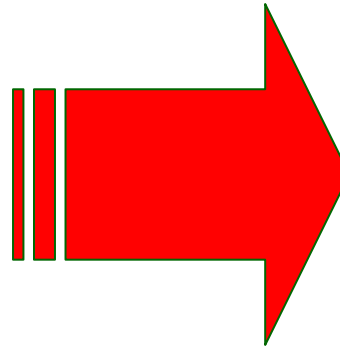
*e.g. technologists, environmental scientists, users, environment managers,
sociologists, industry, SMEs, universities, research institutes, etc.*



Networks of Excellence

Objectives

*To strengthen EU
S & T Excellence and
assemble EU
Research Capacities*



**Restructuring,
Integration,
Advancing
Knowledge**

Joint Program of Activities (JPA)

*Merging national or
regional activities
for improved
competitiveness and
sustainability*

**EC Contribution
to the Integration
of Resources**

Integration by

*Specialisation and
complementarity,
Common use of
infrastructures,
Interactive working,
Joint training*

***Participants Wishing a Progressive and Lasting
Integration of Research Capacities***



Other funding opportunities (not thematic priority dependent)

- **Specific SME measures**
 - CRAFT (330 M€)
 - Collective Research (100 M€)
- **ERA-NET** (Supporting the co-operation and co-ordination of research activities carried out at national or regional level)



Conclusions

- This programme is your programme !
- We have to build the European Research Area of the enlarged EU taking into account the global dimension, thus, include partners from the **acceding countries** and from **3rd countries**
- Building a concrete Sustainable Development is a major objective; the forest area and the forestry/wood chain could be a model of sustainability
- Integration of **different disciplines** is a necessity
- Include also **SMEs**
- Over-subscription should be avoided