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Environment and SD European Research for the Forest sector: FP6 and FP7 perspectives

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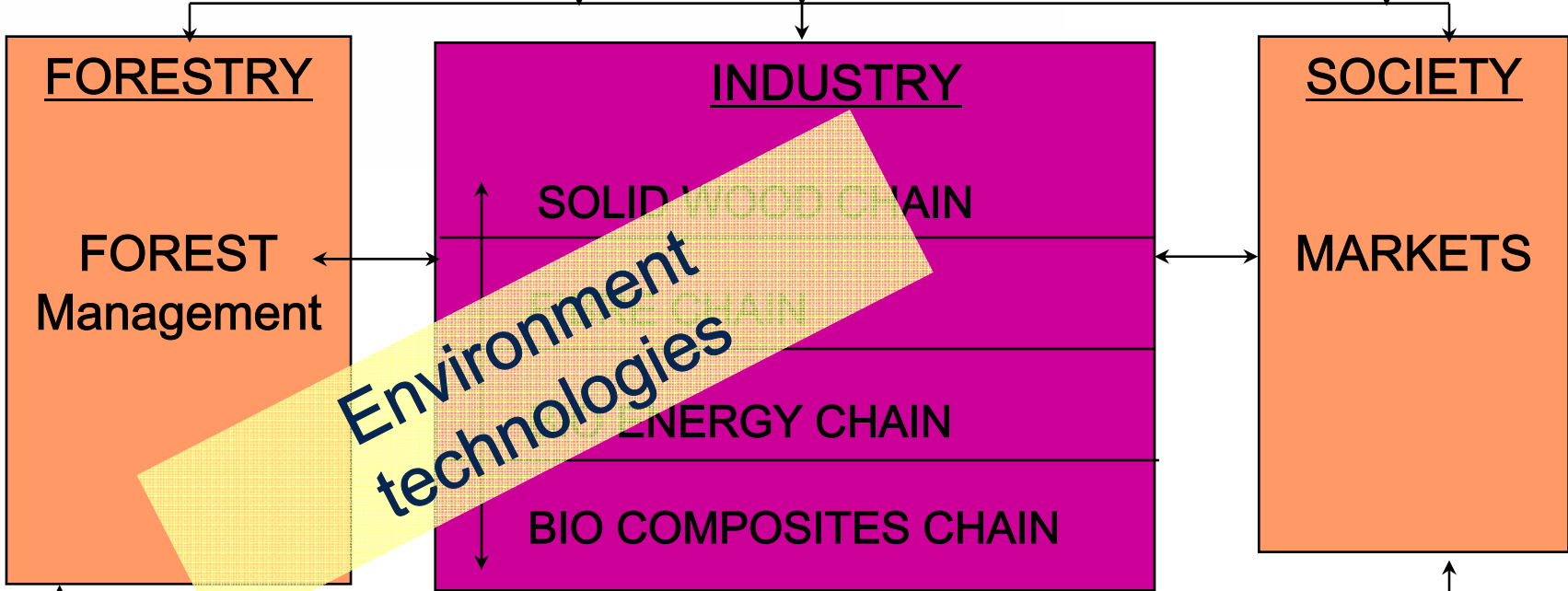
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Relevance of FBS for the Environment programme

- ☞ Forestry and wood chains are essential components of any sustainable development strategy, because of their impact on
 - ☞ land use
 - ☞ economic and social development
 - ☞ environment quality (biodiversity, Carbon capture, etc.)
 - ☞ international commitments and conventions.

We welcome the FBS-TP as a new instrument for dealing with the complexity of this sector in a sustainable development perspective

ACTORS: INDUSTRIES, PUBLIC AUTHORITIES, CIVIL SOCIETY
INTERNATIONAL: TRADE, CONVENTIONS, PARTNERSHIP
REGULATION: LOCAL, REGIONAL, EU, WORLD



**MULTIFUNCTIONALITIES:
 LAND-USE, LANDSCAPE, RURAL
 DEVELOPMENT, ENVIRONMENT,
 SINKS & BIODIVERSITY**

**FORESTRY WOOD
 CHAIN & S.D.**



DG RTD – Environment Directorate Forest related projects in FP6



SENSOR (IP 12.3 M€)

Sustainability Impact Assessment: Tools for Environmental, Social and Economic Effects of Multifunctional Land Use in European Regions



SEAMLESS (IP 15 M€)

System for Environmental and Agricultural Modelling; Linking European Science and Society



EFORWOOD (IP 13 M€)

Tools for Sustainability Impact Assessment of the Forestry-Wood Chain



FIREPARADOX (IP 12 M€)

An Innovative Approach of Integrated Wildland Fire Management
Regulating the Wildfire Problem by the Wise Use of Fire: Solving the Fire Paradox



INNOVAWOOD (SSA 0.44 M€)

An Innovation Strategy to integrate industry needs and research capability in the European Forestry-Wood Chain





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FP7

Cooperation – Collaborative research

9 themes

1. Health
2. Food, Agriculture and Biotechnology
3. Information and Communication Technologies
4. Nanosciences, Nanotechnologies, Materials and new Production Technologies
5. Energy
6. Environment (including Climate Change)
7. Transport (including Aeronautics)
8. Socio-Economic Sciences and the Humanities
9. Security and Space





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Forest related topics in FP7

Climate change, pollution, and risks

– *Pressures on environment and climate*

- ☞ advanced climate change models for different scales to assess changes, potential impacts and critical thresholds
 - C sinks and sources, etc.
- ☞ risk based approaches for changes in atmospheric composition and in the water cycle, taking into account droughts, storms and floods patterns
- ☞ adaptation and mitigation

– *Environment and health*

– *Natural hazards*

- ☞ Improved knowledge, methods for the assessment of hazards, vulnerability and risks, mitigation strategies





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Forest related topics in FP7

Sustainable Management of Resources

Conservation and sustainable management of natural and man-made resources

- ☞ advanced models and tools for the sustainable management of resources
- ☞ sustainable consumption patterns
- ☞ ecosystem modelling including protection and conservation practices
- ☞ integrated water and soil management
- ☞ ecosystem services
- ☞ sustainable management of forests
- ☞ waste management

The research will benefit from and contribute to the development of open, distributed, inter-operable data management and information systems and will underpin assessments, foresight, and services related to natural resources and their use.





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Forest related topics in FP7

Environmental Technologies

- *Environmental technologies for the sustainable management and conservation of the natural and man-made environment*
 - ☞ to reduce the environmental impact of human activities (“generic” clean technologies)
 - ☞ to manage resources and treating pollution more efficiently (water, soil, wastes, etc.)
 - ☞ to mitigate and adapt to climate change and prevent environmental risks
 - ☞ to develop new products, processes and services more beneficial for the environment than existing alternatives (including landscape rehabilitation)
- *Technology assessment, verification and testing*
 - ☞ risk and performance assessment of technologies
 - ☞ further development of related methodologies such as the Life Cycle analysis and LC thinking
 - ☞ market potential and socio-economical aspects of environmental technologies
 - ☞ development of the EU-Environmental Technologies Verification programme





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Our Expectations from the FBS: the Vision and the SRA

- ☞ The draft documents presented for this event are a good starting point
 - ☞ They are the result of a broad working group process
 - ☞ Involved national support groups all over Europe
 - ☞ Integrated many interest groups along the *forest value chain*

- ☞ However:
 - ☞ The open consultation process starting now should improve the level of detail
 - ☞ The various steps leading to a final goal should be identified and defined on a time line
 - ☞ The industrial support and commitment needs to be quantified
 - ☞ Priorities have to be associated to all proposals





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Our Expectations from the FBS Implementation Plan

1. A consolidation of the partnership around the Platform, on the broad scope of the Lisbon objectives, with a commitment of all stakeholders towards a more dynamic research and innovation framework
2. The deployment of a Plan to implement the SRA, not only for FP7, but for exploiting at best various sources of public funds (EU, national, regional, structural funds, etc.) and private funds towards innovation-related activities
3. A plan looking at the barriers that impeach or slow down today the spreading of innovative solutions
4. A plan that prioritise the various actions, possibly through a more detailed impact assessment of the various proposed actions





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Integration and opening

Forest-Based Sector Technology Platform

Home

- About FTP
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 - National Support Groups
 - Project Group
 - Related activities
- Strategic Research Agenda
- Meetings and events

TECHNOLOGY PLATFORM Plants for the future



A new era for plant biotechnology is promised as the European Technology Platform "Plants for the Future" is developing.

The group published its [20 year vision](#) at its [launch event](#) with Philippe Busquin, European Research Commissioner, in June 2004 and presented its "[Stakeholders Proposal for a Strategic Research Agenda](#)" to reach this vision at a [press conference in Strasbourg](#) with **Janez Potočnik**, European Commissioner for Science and Research, and Giles Chichester, chair of the European Parliament's committee on industry, research and energy, in July 2005.

The group now holds [consultations in 22 European Countries](#) and with Mirror Groups of the European Parliament, the European Commission and Member States. The platform looks forward to the food, health and energy sectors.

Organisation of the Forest-Based Sector Technology Platform



WSSTP - Water Supply and Sanitation Technology Platform

Welcome to the Water Supply and Sanitation Platform

The Water Supply and Sanitation Technology Platform (WSSTP) is one of the technology platforms that are set up within the European Environmental Technology Action Plan (ETAP) that was adopted by the European Commission in 2004. It is a European initiative, open to all stakeholders involved in European water supply and sanitation and major end-user groups. The participants in the platform will together produce a common vision document for the whole European water industry together with a strategic research agenda and an implementation plan for the short (2010), medium (2020) and long (2030) term.



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SusChem

European Technology Platform For SUSTAINABLE CHEMISTRY

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industry (Lisbon Strategy);
Johannesburg).





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Conclusions

- ☞ The Forest-based Sector Technology Platform is an integrating instrument that has the potential for promoting innovation at all levels, thus contributing to the Lisbon goals of increasing European competitiveness
- ☞ Competitiveness that can only be based on knowledge, on its production through research, its dissemination and consolidation through education and its full exploitation through innovation
- ☞ The European Commission is supporting and will support the FSB process, and looks forward receiving a strong, visionary and agreed SRA and Implementation Plan to be used for the development of FP7 and further work programmes

