

WOODISM

WOODISM
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WOODISM

FOSTERING THE PARTICIPATION OF SMALL AND MEDIUM-SIZED
ENTERPRISES ACTIVE IN THE FIELD OF FOREST-BASED AND
RELATED INDUSTRIES TO EC FP7 RESEARCH PROGRAMME

HOW TO BUILD THE RIGHT PARTNERSHIPS
TO PARTICIPATE IN PROJECTS UNDER THE
EU'S 7TH RESEARCH AND DEVELOPMENT
FRAMEWORK PROGRAMME

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WOODISM INFO

WOODISM is a European project co-funded by the European Commission aimed at increasing the participation of small and medium enterprises within the 6th and 7th Framework Programme.

WOODISM is addressed to SMEs active in the field of forest-based and related industries by supporting their participation in European R&D projects in order to improve their competitiveness.

Your company can **benefit** from WOODISM support in many ways:

- by finding, without additional costs for your organization, the most suitable cooperation partners through the Europe-wide WOODISM network;
- by receiving information and advice on technology innovation and areas potentially interesting for your company's specific needs;
- by getting involved in ongoing research projects that are already investigating R&D problems that your company is facing;
- by receiving **free-of-charge** assistance for your company in order to participate in European research projects.

For further information please contact your nearest **WOODISM** partner or visit the **WOODISM homepage** (www.tts.fi/woodism).





**WOODISM
FP7**

The 7th Framework Programme (2007 – 2013)

1. FP7 in a nutshell

The **green** highlighted domains are potentially interesting for the forest and wood-based as well as related industries and are specified on the following pages.

SPECIFIC PROGRAMM	DOMAINS	BUDGET Billion €	ACTIVITIES
I. Cooperation	Health	6.0	Calls within pre-defined topics (top-down)
	Food, Agriculture and Biotechnology	1.9	
	Information and Communication Technologies	9.1	
	Nanosciences, Nanotechnologies, Materials and new Production Technologies	3.5	
	Energy	2.3	
	Environment (including Climate Change)	1.9	
	Transport (including Aeronautics)	4.2	
	Socio-economic Sciences and the Humanities	0.6	
	Security and Space	2.7	
II. Ideas	Basic research at the frontier of knowledge	7.5	Open calls, no pre-defined topics (bottom-up)
III. People	Individual and network fellowships allowing transnational and trans-institutional mobility and knowledge transfer for and of scientists	4.7	Calls for host institution or for individual fellows, no pre-defined topic (bottom up)
IV. Capacities	Support for existing and new research infrastructures	1.8	Open calls, no predefined topics (bottom up) as well as for defined topics (top-down)
	Research for and by SMEs	1.3	
	Regions of Knowledge	0.1	
	Research Potential	0.4	
	Science in Society	0.3	
	Specific activities of International Co-operation	0.2	
	Coherent development of research policies	0.1	



**WOODISM
FP7**

2. Specific programme cooperation – Overview of domains potentially interesting for the forest –based and related industries¹

This programme provides funding for multidisciplinary consortia gathering several partners from different countries having complementary competences.

FOOD, AGRICULTURE AND BIOTECHNOLOGY

- Forestry and forest based industries
- Biomass production
- Biotechnologies for novel and improved high quality, high added value and renewable forest based products and processes will be used or developed to increase sustainability of wood and wood production, including timber and renewable bioenergy stocks

NANOSCIENCES, NANOTECHNOLOGIES, MATERIALS AND NEW PRODUCTION TECHNOLOGIES

- “(...) learning from nature, in particular higher performance nano materials, bio materials and hybrid materials (...)”.
- “(...) in industrial activities and production systems including construction pulp and paper (...)”.

ENVIRONMENT

Research will address sustainable management of forests

ENERGY

renewable energy / fuel production from biomass



The projects respond to a top down approach: the R&D topics are defined in the according workprogrammes.

ANALYSE THE WORKPROGRAMMES!

¹ Cf. AMANDMENT PROPOSAL FOR A DECISION OF THE EUROPEAN PARLIAMENT AND THE COUNCIL (DRAFT), Brussels, 28.06.2006



**WOODISM
FP7**

3. Specific programme ideas – Overview of domains potentially interesting for the forest –based and related industries ²

BASIC RESEARCH

Funding of basic research (also known as Frontier Research) is one of the main novelties in FP7 and represents a unique funding opportunity for leading researchers and research teams in Europe.

In order to support and strengthen research in Europe, a European Research Council (ERC) that is independent of the European Commission has been set up under the aegis of FP7. The ERC is led by a Scientific Committee of eminent European scientists and **funds basic research in all areas of science** (no pre-defined research topics). **Projects are selected by international experts solely on the basis of scientific quality. These prestigious awards are open to individual research teams as well as cooperative projects undertaken by several national or international teams. ERC funding is available to researchers from both the public and private sector.**

- Starting Grants²: Initially, ERC funding will be available primarily to young promising researchers just getting established (within 10 years of their doctorate).
- "Advanced Grants": From 2008 onwards, the ERC will also support experienced researchers and provide them with a new source of funding for basic research.

The projects respond to a bottom-up approach. All scientific fields can be addressed.

ANALYSE THE WORKPROGRAMME!

4. Specific programme people – Overview of domains potentially interesting for the forest –based and related industries ³

This programme provides funding for individual and network fellowships allowing transnational and trans-institutional mobility and knowledge transfer for and of scientists.

CAREER PLANNING

- Initial training of researchers
- Life-long training and career development
- Industry-academia pathways and partnerships
- The international dimension

The projects respond to a bottom-up approach. All scientific fields can be addressed.

ANALYSE THE WORKPROGRAMMES!

² Cf. footnote 1

³ Cf. footnote 1



WOODISM
FP7

5. Specific programme capacities – Overview of domains potentially interesting for the forest –based and related industries ⁴

This programme provides funding for multidisciplinary consortia gathering several partners from different countries and allowing Small and Medium-sized Enterprises (SMEs) to externalize their R&D needs to competent R&D performers.

SPECIFIC SUPPORT

- Research for SMEs
- Research for SME associations

There is no restriction in terms of research topics (bottom-up approach), provided the research meets the needs of the SMEs involved and has clear potential for exploitation.

ANALYSE THE WORKPROGRAMMES!

6. How you can prepare your participation

PHASE 1:

- Think where you want to be in 2-4 years (innovation strategy)
- Study the specific programme(s)
- Activate your network
- Search EU projects in Databases

PHASE 2:

- Study the workprogrammes
- Contact potential partners
- Attend national events focusing on FP7 and WOODISM events
go to <http://www.tts.fi/woodism/index.html>

PHASE 3:

- Study the Call for Proposal documents
- Find or build up a strong consortium
- Prepare the project

ASK THE WOODSIM CONSORTIUM FOR SUPPORT!

⁴ Cf. footnote 1



**WOODISM
Technology
Platform**

7. Forest-Based Sector Technology Platform (www.forestplatform.org)

The concept of a “Technology Platform” was established by the European Commission to promote an integrated research approach based on private-public partnerships. The Platform brings together, amongst others, producers, industry, research institutions and European level regulatory authorities, to define a common long-term research agenda. This agenda is based on a common Research & Development (R&D) vision for that sector, signposting how it will move forward. The mobilisation of scientific, economic and personnel resources, at national and European, public and private levels will form the research for the future.

Forest-Based Value Chains					
Strategic Objectives	Forestry	Wood Products	Pulp & Paper Products	Bio-energy	Specialities
1. Development of innovative products for changing markets and customer needs	1-8: Commercialising soft forest values	1-1: <i>A new generation of functional packaging</i> 1-4: Living with wood 1-5: Building with wood 1-10: <i>New generation of composites</i>	1-1: <i>A new generation of functional packaging</i> 1-2: Paper as a partner in communication, education and learning 1-3: <i>Advancing hygiene and health care</i> 1-8: <i>Pulp, energy and chemicals from wood bio-refinery</i> 1-10: <i>New generation of composites</i>	1-7: <i>Moving Europe with the help of bio-fuels</i> 1-8: <i>Pulp, energy and chemicals from wood bio-refinery</i>	1-9: <i>Pulp, energy and chemicals from wood bio-refinery</i> 1-9: <i>“Green” specialty chemicals</i> 1-10: <i>New generation of composites</i>
2. Development of intelligent and efficient manufacturing processes, including reduced energy consumption		2-4: <i>Advanced technologies for primary wood processing</i> 2-5: <i>New manufacturing technologies for wood products</i>	2-1: <i>Reengineering the fibre-based value-chain</i> 2-2: <i>More performance from less inputs in paper products</i> 2-3: <i>Reducing energy consumption in pulp and paper mills</i>	2-3: <i>Reducing energy consumption in pulp and paper mills</i> 2-6: <i>Technologies to boost heat and power output</i>	
3. Enhancing availability and use of forest biomass for products and energy	3-1: <i>Trees for the future</i> 3-2: <i>“Tailor-made” wood supply</i>	3-2: <i>“Tailor-made” wood supply</i> 3-4: <i>Recycling wood products - a new material resource</i>	3-2: <i>“Tailor-made” wood supply</i> 3-3: <i>Streamlined paper recycling</i>	3-2: <i>“Tailor-made” wood supply</i>	3-2: <i>“Tailor-made” wood supply</i>
4. Meeting the multifunctional demands on forest resources and their sustainable management	4-1: <i>Forests for multiple needs</i> 4-2: <i>Advancing knowledge on forest ecosystems</i> 4-3: <i>Adapting forestry to climate change</i>				
5. The sector in a societal perspective			5-1: <i>Assessing the overall performance of the sector</i> 5-2: <i>Instruments for good forest-sector governance</i> 5-3: <i>Citizens’ perceptions</i>		

italics = addressing more than one Value Chain

Table 1: Forest-Based Sector Technology Platform, A Strategic Research Agenda, Page 11, Brussels 2006



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