

COST Action E 51

**Integrating Innovation and Development Policies for the
Forest Sector**

**FRANCE REPORT
PHASE I**

04th MAY 2007

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1. Introduction

The present document is a compilation of information on France based on templates proposed in December 2006. This is the first draft of French country report.

1.1 Participants

French participants are:

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- Gérard BUTTOUD, Agro Paris Tech (ENGREF)
- Christophe CHAUVIN (CEMAGREF)
- Elisabeth LE NET(AFOCEL)

1.2 Currently innovations areas

A first proposal was sent in November 2006. This table has been improved. Main themes/innovations are **in bold**.

Area Type	Territory based services	Value added chain
Product	Bioenergy (local biomass to local user) and district heating (BA) Landscape management for tourism, ... (EA)	Pellets (EA) Cogeneration units Reconstituted wood (EA/BA) EWP (Engineered Wood Products) (EA/BA) Standards, traceability, qualification of mechanical characteristics of wood material (EA/BA) Drying of wood products (EA/BA)
Process	Logistics and wood procurement incl. platforms (EA/BA) Wood mobilisation schemes (BA) Wood energy plan for the organisation of territorial procurement (EA) Techniques for mountainous conditions (cable logging systems)	Logistics (EA/BA) Standards(EA/BA) Information and Communication Technologies (ICT): GPS (EA/BA), RFID (EA) Forest mechanisation (BA) Biorefinery (EA)
Marketing method	AOC (brand) (ex. AOC bois de Chartreuse, label "bois des Alpes"...) (EA)	Wood sales systems : contract vs. auctions (EA/BA) Certification (BA) Chain of custody (EA)
Organisational model incl. institutional innovation	Territorial Forestry Charters (project management) (EA/BA) + Pole d'excellence rurale (PER) (BA) Strategic plan of rural planning and development (EA/BA) Information and communication systems (EA/BA) Roles of regional forest and wood organisations (EA/BA)	Competition pole (pôles de compétitivité) (EA) Concentration trend of forest cooperatives (forest management and procurement levels) (EA/BA) Information and communication systems (EA/BA) National organisation of the forest wood chain (France Forêt Bois) (EA)

Note: EA = early adoption; BA = broad adoption

2. Policy documents

2.1. List of relevant documents

<p>Forest Policy (Regional or National Forest Programme): Document: National Forest Programme Publication Date: 2006 Website: www.agriculture.gouv.fr Supplementary documents: NFP elaborated as a synthesis of previous documents: Bianco report 1999, National Forest Strategy 2000, Forest Law 2001, Juillot report 2003, Monin report 2004</p>
<p>Forest Based Sector Policy (Sector Policy Strategy), if any: Document: French wood sector – Competitiveness as a stake of the sustainable development-“ Juillot” report Publication Date: June 2003 Website: www.agriculture.gouv.fr Supplementary documents: Forest Law 2001, Bianco report 1998</p>
<p>Innovation Policy (Regional or National Reform Programme): Document: Innovation and technology research, Situation December 2005 Publication Date: April 2006 Website: www.recherche.gouv.fr Supplementary documents: « 2 lois pour l’initiative économique » (Cahiers Industries, n°95, 2004, www.industrie.gouv.fr) ; « Plan innovation » Après consultation nationale, présenté par Mme Nicole Fontaine, Ministre déléguée à l’Industrie et Mme Claudie Haigneré, Ministre déléguée à la Recherche et à la Technologie (2003, www.industrie.gouv.fr)</p>
<p>Innovation Policy (Regional or National Reform Programme): Document: Maritime Pine for the Future and Industries Cluster – Pole Industrie et Pin Maritime du Futur (IMPF) Publication Date: 2005 Website: http://aquitaine.fr, www.ipmf.fr Supplementary documents: « Les pôles de compétitivité en France », (www.competitivite.gouv.fr), « Premier bilan de la politique des pôles de compétitivité en France » 25 avril 2007 (www.competitivite.gouv.fr) See too : www.datar.gouv.fr</p>
<p>Innovation Policy (Regional or National Reform Programme): Document: Key technologies in the wood value chain- Aquitaine and Poitou Charentes Publication Date: October 2001 Website: www.aquitaine.drire.gouv.fr/di/techno_cles.html Supplementary documents: -</p>
<p>Rural Development Policy (Regional or National Rural Dev. Programme, Forestry Part): Document: National rural development plan (PDRH) Publication Date: 2006 Website: www.agriculture.gouv.fr (not full text available) Supplementary documents: -</p>
<p>Regional Development Policy (Regional or National Regional Dev. Programme): Document: Inter-professional contract for forest and wood sector in Burgundy Publication Date: June 2005 Website: - Supplementary documents: -</p>
<p>Regional Development Policy (Regional or National Regional Dev. Programme): Document: Deliberation of the Regional Council of Rhone-Alpes Publication Date: 2006 Website: - Supplementary documents: -</p>
<p>Sustainable Development Policy (Regional or National Sustainable Dev. Strategy): Document: National Strategy of Sustainable development Publication Date: June 2003 Website: www.ecologie.gouv.fr Supplementary documents: LOADDT, 1999 ; Rural Territories Development Law (LDTR – Loi relative au développement des territoires ruraux, 2005; www.agriculture.gouv.fr)</p>
<p>Renewable Energy Policy (Regional or National (renewable) Energy Strategy): Document: Wood Energy National Programme 2000-2006 (ADEME) Publication Date: 1999 Website: www.ademe.fr Supplementary documents: Plan Bois énergie et développement local (1994); Orientation Law on Energy (www.industrie.gouv.fr/energie)</p>

2.2. Forest Policy

Table 1: Part A - General document information

Name:	National Forest Programme
Adoption: Please mark by whom and at which level the document is adopted	<input type="checkbox"/> Parliament <input type="checkbox"/> Government X Ministry: __Agriculture <input type="checkbox"/> Others: _____ X No formal approval Level: x National <input type="checkbox"/> Regional <input type="checkbox"/> Local Adoption date: 2006
Validity period:	Not mentioned
Revision:	Not mentioned
Monitoring/ Evaluation:	Mentioned, follow-up attributed to the National Board for Forest and Forest Products (decision on the principle, neither formal procedures nor indicators expressly mentioned)
Related documents:	No additional documents (only NFP of 14 pages)
Geographical scope:	X National <input type="checkbox"/> Regional; name: _____ <input type="checkbox"/> Local, name: _____
Budget:	Mentioned, on the principle, just mechanisms included in the texts of application of the 2001 Law
General description of contents as written in document	
Objective of the document	<u>Give more visibility to the forest policy measures at country level</u>
Priorities	<u>Increase timber harvest</u> <u>Reinforce the competitiveness of forest based industries</u> <u>Increase the role of the forest sector into the fight against climate change</u> <u>Promote sustainable management of forest integrating production and bio diversity conservation</u> <u>Co-ordinate various levels of governance</u>
Structure	<u>Problem statement ("a new consciousness")</u> <u>Analysis of the situation ("time is now to increase harvesting")</u> <u>Proposals</u>
Measure Areas	<u>Concretely, only procedures planned through the 2001 Forest Law, with special focus on:</u> - <u>Budget co-ordination at national, local and European level</u> - <u>Organisation of the promotion of investments</u>
Follow-up / Implementation	
Follow-up measures:	X No follow-up activities so far (only rhetoric, and anyway too early) <input type="checkbox"/> New or adapted funding programme(s) /budget line; name: <input type="checkbox"/> New or adapted regulations/laws; name: <input type="checkbox"/> New or adapted informational campaigns/instruments; name: <input type="checkbox"/> New or restructured institutions/organisations; name: <input type="checkbox"/> Implementation in forest policy:
General comment:	Focus on: (i) Need for a re-organisation of the forest sector, with new approaches (reform of taxation and financial support, territorial projects, association of entrepreneurs); (ii) Development of new products for increasing added value

Table 2: Part B - Overall Innovation Orientation

Overall innovation orientation (use word search function).	Please mark the frequency of occurrence of the <u>more generic terms</u> 'innovation' or synonyms ('new products', 'new services', 'new processes', 'new marketing methods', 'new business models') in the document	<input type="checkbox"/> never <input type="checkbox"/> sometimes <input checked="" type="checkbox"/> frequently
	Please mark the frequency of occurrence of the forest sector ' <u>innovation frontier</u> ' – innovation areas identified in Chapter 3 - in the document	<input checked="" type="checkbox"/> never <input type="checkbox"/> sometimes <input type="checkbox"/> frequently
	Please mark the frequency of occurrence of the <u>terms</u> that are related to innovation, for example entrepreneurship, diversification, competitiveness	<input type="checkbox"/> never <input type="checkbox"/> sometimes <input checked="" type="checkbox"/> frequently Terms used: competitiveness, investment
	Further comments on overall innovation orientation of the document: as timber production is a clear priority of the French forest policy, and the forest sector rather poorly developed, many considerations are related to innovations as for increasing competitiveness and get more added value to the enterprises.	
Relevance of innovation: Please mark how much relevance is given to innovation in the document (one answer)	<input type="checkbox"/> No relevance at all <input type="checkbox"/> Marginal issue <input type="checkbox"/> One issue among others <input checked="" type="checkbox"/> Important issue <input type="checkbox"/> Central issue Comments: the document does not focus on innovation, but as the change in the economic context is part of the analysis of the situation, the idea is expressed that <u>new products, processes, and organisation are needed to increase competitiveness.</u>	
Degree of specification: Please mark how general or specific innovation is addressed by the document (one answer) Please use comments section to describe if the degree of specification varies for different parts of the document, esp. when concerning forestry	<input type="checkbox"/> very general (<i>innovation is named in general parts, e.g. preamble, but no related goals, measures, identified needs or similar are addressed by the document</i>) <input checked="" type="checkbox"/> rather general (<i>innovation is addressed in overall goals, needs are identified but no specification of measures</i>) <input type="checkbox"/> rather specific (<i>innovation is addressed in concrete goals, measures are formulated</i>) <input type="checkbox"/> very specific (<i>quantified goals related to innovation are formulated, concrete measures introduced, a fixed budget and timetable exist</i>) Comments: innovation is considered as one of the major tools in order to achieve the central goal of increasing competitiveness of the timber sector, but basically rhetoric	
Understanding of innovation policy Please assess what overall understanding of innovation policy is reflected in the document. See chapter 2.2.1	<input type="checkbox"/> Predominately traditional science and technology policy <input checked="" type="checkbox"/> Traditional S&T policy with systemic elements <input type="checkbox"/> Systemic innovation policy with S&T policy elements <input type="checkbox"/> Predominantly systemic innovation policy Comments: there is no formal presentation of any innovation strategy, but the clear understanding is that the present approaches, methods and institutions of research-development should be better developed using the same tools with a re-focus on strategic issues for the sector.	
- Goals and objectives: Basically, innovation is supposed to solve the main present constraints in the forest-timber sector: lack of competitiveness due to lack of management methods, resulting in a lack of added value of timber production at country level		
Issues, problems and related topics: None. The document just stresses the importance of innovation. Nothing is mentioned in link with problems raised, responsibilities of specific actors, constraints in realisation, guidelines for problem solving, etc.		
Innovation areas: (ranked by order of presentation in the document) new modes of organisation and co-ordination among actors new products (construction, paper) new processes (especially in link with the development of profitable units of heating systems based on wood)		
General comment: The NFP's vision of innovation is basically technique oriented and timber specific. There is no comprehensive view of the possible and existing linkages between the various innovations mentioned (organisational, process, products); institutional innovation is just mentioned for previous reforms (CFTs), whilst no need is expressed as for additional institutional changes although a broad reform of the State Forest Agency (ONF) and general political discussions about the future of the Ministry of Agriculture are ongoing).		

Table 3: Part B - Innovation Support Measures

Innovation support measures <i>Consult classification in chapter 2.2.2</i>	Research and Development	<u>Concept of new products (construction, paper)</u> <u>Concept of new processes (paper, fuelwood)</u>
	Diffusion of innovation	<ul style="list-style-type: none"> - better marketing of products - better organisation of associations of producers - better link between forest and timber
	Strengthening the knowledge base	General statements on the need to develop education (with no specification)
	Strengthening interaction	General statements on the need of develop better links between producers in the sector, and between forest and timber actors, with no specification.
	Demand creation	No formal reference
	Improving frame conditions	A lot of references to the evolution of the economic and social context, considered as external factors, but focus on timber production in the course of the document Wake effect of production seems to be the global philosophy, although not expressed. Many developments on the reform of the financement, but just basic mention to the regulatory texts issued from the Forest Law of 2001, with no clear specific details on the financement of enterprises.
	Comments The French NFP does not expressly focus on innovation as such. Innovation is only mentioned, usually in rather general terms when there is a framework of change which requires new approaches.	
Priorities	Expressed by the document (although shortly) Organisation: to be more performant in the present situation, new modes or organisation are needed (marketing, partnership among actors of the same sub-sector) New processes: to better adapt the units of fuelwood production, harvesting and treatment to the local development. New products: in the framework of an increase of the harvest, there is a need for new products valorising the resource (new construction materials, new types of paper)	
Assessment of overall relevance	Difficult to assess, because basically rhetoric and expressed in general terms. Strong point: The main priorities in innovation are consistent with the problem statement Weak point: there is no comprehensive analysis of the consistency of the various directions mentioned, especially considering the organisational aspects which are not linked with the technical ones, and the institutional aspects which are missing in the document.	
Promotion of innovation	Innovation is very present all along this document (opposite to usual general references in France, which attribute to research a special formal last chapter with no rigorous construction).	
General comment:	The traditional technical research on timber is rather well developed in France, compared to other countries, but they basically work in direction to large scale enterprises (paper, sawnwood). On the contrary, the timber based industry (including harvesting companies) is very much spread out in various small scale enterprises, and not competitive at international level. The NFP clearly addresses this issue, and there is a permanent reference to the need to find new modes of organisation and associations between partners. But 2 very weak points: (i) no detail is provided (just ideas, but repetitively expressed) which makes the paper basically rhetoric; (ii) the NFP document in France is anyway not considered as a major policy document (14 pages only with no link with the previous discussions before formulation).	

Table 4: Part B - Cross-sectoral coordination

Policy formulation	
Co-ordination with other processes and documents	Only MCPFE and other national forest policy reports
Administrative Co-ordination:	<input type="checkbox"/> between different sections/departments within the same ministry; specify: no <input checked="" type="checkbox"/> between different ministries, specify: directly no (the Ministries of Industry and of Environment are never mentioned as such in the document, but their representatives were involved in the preparatory working groups) <input checked="" type="checkbox"/> between ministries and other public organizations / agencies, specify: Inter-ministerial agencies such as the State Agency for Land Management (DATAR), or the State Agency for Environment and Energy (ADEME) <u>Comments:</u> in France, the co-ordination between various Ministries and Administrations works only through ad hoc inter-ministerial agencies.
Stakeholder involvement	<input type="checkbox"/> Forestry: name most important organisations: Federation of forest communes (FNCOFOR), Federation of private owners (FNSPFS), State forest agency (ONF); <input type="checkbox"/> Forest-based industries: name most important organisations: Federation of harvesting enterprises (FNB), various federations of timber producing companies (at least one by sub-sector) <input type="checkbox"/> Agriculture: name most important organisations: not present in NFP formulation <input type="checkbox"/> Tourism: name most important organisations: <u>not present in NFP formulation</u> <input type="checkbox"/> Energy: name most important organisations: ADEME (State Agency for Environment and Energy) <input type="checkbox"/> Environment: name most important organisations: WWF France, FNE (France Nature Environment) <input type="checkbox"/> Other sector: ____: name most important organisations: _____ <input type="checkbox"/> Other sector: ____: name most important organisations: _____ <u>Comments:</u> Shortly describe the type of stakeholder involvement
Coordination mechanisms:	<input checked="" type="checkbox"/> Formal (central) coordination body; name: <u>National Board of Forests and Forest Products</u> , with representations from the Ministries of Environment and Industry <input checked="" type="checkbox"/> Formal coordination process (official invitations to participate into the preparatory working groups) <input checked="" type="checkbox"/> Inter-sectoral working groups (with participants of environment, energy and industry) <input type="checkbox"/> Inter-sectoral advisory body <input checked="" type="checkbox"/> Formal mandatory consultation process (the NFP has built on Bianco, Juillot and Monin reports which had been asked by the Prime Minister or the Ministry of Agriculture) <input checked="" type="checkbox"/> Formal voluntary consultation process (participation in working groups) <input checked="" type="checkbox"/> Informal consultations (please describe: a lot of direct contacts between associations of stakeholders and State, off meetings) <input type="checkbox"/> Others: _____
Policy Implementation	
Responsible actors and their roles:	<u>In France, the tradition in evolving actors is consultation. Concretely, most of the stakeholders have been interviewed or called for meetings or participation into working groups. But at the end, whilst most of the positions expressed by the forest communes, the private owners and the harvesting and timber production companies representatives were translated into the document, on the contrary the contribution of environmentalist NGOs was poorly considered, due to the clear productivist orientation of the NFP.</u>

Level of delegation	<input type="checkbox"/> Decentralized, e.g. X Central, e.g. ministry, public agency (the French forest policy remains as a very centralised one) <input type="checkbox"/> Outsourced to private actors X Local, e.g. by municipalities (many initiatives are taken now at the level of municipalities, although it is not a delegated process, but the emergence of new modes of governance at local level) x Regional, e.g. by regional public actors (same as before, but less dynamic, and more delegated in the framework of decentralisation) <input type="checkbox"/> Others: _____
General comment	innovations promoted: <ul style="list-style-type: none"> - The forest communes basically promote: (i) wood for energy (researches on processes for fuelwood production and distribution at local level) and (ii) more flexible modes of selling timber (research on marketing) - The private forest owners basically ask for compensation in case of non market utilities (researches on valuing environmental services) - The associations of timber enterprises are formally asking for promoting basically the modernisation of the sector (new products, new marketing tools, new organisation), although it is not clear how many enterprises are supporting such a strategy (individualism).

2.3. Forest based industry policies

Table 5: Part A - General document information

Name:	French wood sector – Competitiveness as a stake of the sustainable development – “Juillot report”
Adoption: Please mark by whom and at which level the document is adopted	<input type="checkbox"/> Parliament <input type="checkbox"/> Government <input type="checkbox"/> Ministry: _____ × Others: Mission to a Parliament member (Dominique Juillot) from the Prime Minister × No formal approval Level: × National <input type="checkbox"/> Regional <input type="checkbox"/> Local Adoption date: 17 June 2003
Validity period:	Not defined
Revision:	No
Monitoring/ Evaluation:	No formal monitoring No evaluation planned or foreseen
Related documents:	-
Geographical scope:	× National <input type="checkbox"/> Regional; name: _____ <input type="checkbox"/> Local, name: _____
Budget:	No
General description of contents as written in document	
Objective of the document	Elaborate a strategic document to find out strategies for combining economic, social and environmental dimensions towards French wood sector
Priorities	Carbon storage Wood in construction Wood for energy Forest certification Wood supply contracts Forest wood sector governance (professional organization) Forest ownership structure Wood transport
Structure	5 parts: <ul style="list-style-type: none"> • Wood, environment and society • Wood on markets • Development of an intersectoral Trade Association • Forest and wood working industries relationships • Actions and needs for a monitoring systems

Measure Areas	<p>The document proposes solutions, this is not a legal enforced document</p> <ol style="list-style-type: none"> 1- carbon storage and GHC: public actions (funds, programs, research) 2- forest certification: developing certification (surface), and links between PEFC/FSC systems (public support) 3- Communication (public funding for programmes) 4- Wood construction: implement existing agreement Wood-Construction-Environment; obtaining Application Decree related to Law on Air; R&D program; aids to SMEs 5- Markets other than for energy: need to get monitoring device 6- Energy: public aids for new heating devices, forest chips and proposition to reduce the tax (VAT) on heat networks 7- Trade Association: contract between the State and the Trade Association (Conseil-Forêt-Bois) for setting-up and inter-professional body; aids systems toward technical centres (applied research or wood communication); topics for collective actions (public and private funds); tools for the sector (Economic observatory, centres...) 8- Training 9- Enterprises funding (capital risk system, investment facilities...) 10- Changing the wood sales' system (decree toward public forest, contracts vs. auction). 11- Modification of land management (fiscal measures...) 12- Wood mobilisation at forest area (forestry charters, territorial organisation of mobilisation, collective negotiation) 13-Road transport (implementation of the wood transport regulation; definition of a road network)
Follow-up / Implementation	
Follow-up measures:	<input type="checkbox"/> No follow-up activities so far <input type="checkbox"/> New or adapted funding programme(s) /budget line; name: <input type="checkbox"/> New or adapted regulations/laws; name: <input type="checkbox"/> New or adapted informational campaigns/instruments; name: × New or restructured institutions/organisations; name: State engagement toward wood technical centre (2006); aid plan toward sawmills (2007) × Implementation in forest policy: NFP
General comment:	<p>List research needs you identified, they might be taken up in phase II of COST E51</p> <p>Name further reference sources used</p>

Table 6: Part B - Overall Innovation Orientation

Overall innovation orientation (use word search function).	Please mark the frequency of occurrence of the <u>more generic terms</u> 'innovation' or synonyms ('new products', 'new services', 'new processes', 'new marketing methods', 'new business models') in the document	<input type="checkbox"/> never <input type="checkbox"/> sometimes <input checked="" type="checkbox"/> frequently
	Please mark the frequency of occurrence of the forest sector ' <u>innovation frontier</u> ' – innovation areas identified in Chapter 3 - in the document	<input checked="" type="checkbox"/> never <input type="checkbox"/> sometimes <input type="checkbox"/> frequently
	Please mark the frequency of occurrence of the <u>terms</u> that are related to innovation, for example entrepreneurship, diversification, competitiveness	<input type="checkbox"/> never <input type="checkbox"/> sometimes <input checked="" type="checkbox"/> frequently Terms used: competitiveness, market share, investment, standardisation, ecomaterial, wood engineering
	Further comments on overall innovation orientation of the document: innovation is presented in the document in its different assertions even if, in the text, the term "innovation" is mainly used for products, process and marketing.	
Relevance of innovation: Please mark how much relevance is given to innovation in the document (one answer)	<input type="checkbox"/> No relevance at all <input type="checkbox"/> Marginal issue <input type="checkbox"/> One issue among others <input type="checkbox"/> Important issue <input checked="" type="checkbox"/> Central issue Comments: "social" innovation such as changing mentality is also underlying in the document	
Degree of specification: Please mark how general or specific innovation is addressed by the document (one answer) Please use comments section to describe if the degree of specification varies for different parts of the document, esp. when concerning forestry	<input type="checkbox"/> very general (<i>innovation is named in general parts, e.g. preamble, but no related goals, measures, identified needs or similar are addressed by the document</i>) <input type="checkbox"/> rather general (<i>innovation is addressed in overall goals, needs are identified but no specification of measures</i>) <input checked="" type="checkbox"/> rather specific (<i>innovation is addressed in concrete goals, measures are formulated</i>) <input type="checkbox"/> very specific (<i>quantified goals related to innovation are formulated, concrete measures introduced, a fixed budget and timetable exist</i>) Comments: innovation is clearly a strategy	
Understanding of innovation policy Please assess what overall understanding of innovation policy is reflected in the document. See chapter 2.2.1	<input type="checkbox"/> Predominately traditional science and technology policy <input checked="" type="checkbox"/> Traditional S&T policy with systemic elements <input type="checkbox"/> Systemic innovation policy with S&T policy elements <input type="checkbox"/> Predominantly systemic innovation policy Comments: Even if organisational, social, institutional dimensions are integrated in the text (national and local level), the understanding of innovation policy is mainly technical and at national level.	
Goals and objectives: The objective is to maintain and develop in the wood forest sector: <ul style="list-style-type: none"> • Innovation needed to get market share in furniture sector • Innovation to market adaptation • Innovation to maintain or increase the share of wood: ex. wood represents 10% of all materials used for construction, increase this % to 12.5% (this is a reference to the 2001 agreement Wood-Construction-Environment) 		
Issues, problems and related topics: See above		
Innovation areas: Product innovations		
General comment: Concerning the degree of specification, the text is in between rather general and rather specific.		

Table 7: Part B - Innovation Support Measures

Innovation support measures <i>Consult classification in chapter 2.2.2</i>	Research and Development	Enterprise research (funding of applied research centre as CTBA; new relationships with "other materials" applied research centres facilitate) Development of new products
	Diffusion of innovation	Process (investments) Marketing (focus on adaptation of needs)
	Strengthening the knowledge base	Promoting wood jobs Engaging an analysis of training and school programs and enterprises needs (adequacy) and determine if spatial organisation is still suitable Developing management training in enterprises
	Strengthening interaction	Promoting interactions between forest holdings: ex. changing the timber sales (more contracts) Promoting interactions between forest holdings and industry Promoting interactions between enterprises
	Demand creation	Continue to support CNDB (Comité National pour le Développement du Bois) Supporting the obligation to get a certain share of wood in construction
	Improving frame conditions	Creation of an inter professional organisation Implementation of wood transport regulation on road transport Adapting fiscal measures to increase wood mobilisation, the energy use of wood for heat network
	Comments	
Priorities	1 – need of coordination: "improving frame conditions" by a new national organisation 2 – rely on this new organisation (top-down) to get less segmented approach of the Forest Wood chain for the "diffusion of innovation" 3- rely on R&D to be competitive	
Assessment of overall relevance	This document is a threshold one after the Forest Law enacted in 2001. It aims was to remind the main challenges of the Forest Wood Sector. Some solutions were drawn but effectiveness of measures difficult to assess.	
Promotion of innovation	Many dimensions of innovation are in the document and intertwined. Difficult to identify sometimes how innovation can be implemented.	
General comment:	List research needs you identified, they might be taken up in phase II of COST E51 Name further reference sources used	

Table 8: Part B - Cross-sectoral coordination

Policy formulation	
Co-ordination with other processes and documents	Forest Law, 2001 Rapport Bianco (La forêt: une chance pour la France), 1998
Administrative Co-ordination:	<input type="checkbox"/> between different sections/departments within the same ministry; specify: _____ <input checked="" type="checkbox"/> between different ministries, specify: <u>Ministry of Agriculture, Ministry of Transport, Ministry of Industry</u> <input checked="" type="checkbox"/> between ministries and other public organizations / agencies, specify: <u>professional organisations, ADEME</u> <u>Comments:</u> Ministry of Agriculture is in charge of Forest (incl. Carbon) and wood mobilisation Ministry of Transport is responsible of the implementation of wood transport decree by road Ministry of Industry is in charge of wood industries except sawmills (Min. of Agriculture) Shortly explain the role of the main administrative actors
Stakeholder involvement	<input type="checkbox"/> Forestry: name most important organisations: <u>ONF, FNCOFOR, PFF</u> <input type="checkbox"/> Forest-based industries: name most important organisations: <u>FNB, COPACEL, UIPP</u> <input type="checkbox"/> Agriculture: name most important organisations: _____ <input type="checkbox"/> Tourism: name most important organisations: _____ <input type="checkbox"/> Energy: name most important organisations: <u>ADEME, CIBE</u> <input type="checkbox"/> Environment: name most important organisations: <u>ADEME</u> <input type="checkbox"/> Other sector: "R&D": name most important organisations: <u>CTBA, AFOCEL, CTP</u> <input type="checkbox"/> Other sector: <u>communication</u> : name most important organisations: <u>CNDB, French Timber</u> <u>Comments:</u> Shortly describe the type of stakeholder involvement
Coordination mechanisms:	<input type="checkbox"/> Formal (central) coordination body; name: _____ <input checked="" type="checkbox"/> Formal coordination process <input checked="" type="checkbox"/> Inter-sectoral working groups <input type="checkbox"/> Inter-sectoral advisory body <input type="checkbox"/> Formal mandatory consultation process <input checked="" type="checkbox"/> Formal voluntary consultation process <input type="checkbox"/> Informal consultations (please describe _____) <input type="checkbox"/> Others: _____
Policy Implementation	
Responsible actors and their roles:	Ministries are the main drivers.
Level of delegation	<input type="checkbox"/> Decentralized, e.g. <input checked="" type="checkbox"/> Central, e.g. ministry, public agency <input type="checkbox"/> Outsourced to private actors <input type="checkbox"/> Local, e.g. by municipalities <input type="checkbox"/> Regional, e.g. by regional public actors <input type="checkbox"/> Others: _____
General comment	List research needs you identified, they might be taken up in phase II of COST E51 Name further reference sources used

2.4. Innovation policy

1.2.1 Innovation policy at national level

Table 9: Part A - General document information

Name:	Innovation and technology research, Situation December 2005
Adoption: Please mark by whom and at which level the document is adopted	<input type="checkbox"/> Parliament <input type="checkbox"/> Government <input checked="" type="checkbox"/> Ministry: _Research and technology_ <input type="checkbox"/> Others: _____ <input type="checkbox"/> No formal approval Level: <input checked="" type="checkbox"/> National <input type="checkbox"/> Regional <input type="checkbox"/> Local Adoption date: April 2006
Validity period:	1 year
Revision:	Planned but not published yet
Monitoring/ Evaluation:	The document sums up the French situation about innovation and research and presents the new guide lines and newly created institutions : National Research Agency...The document gives the main lines of the French Research Pact
Related documents:	
Geographical scope:	<input checked="" type="checkbox"/> National <input type="checkbox"/> Regional; name: _____ <input type="checkbox"/> Local, name: _____
Budget:	
General description of contents as written in document	
Objective of the document	The document mainly shows that the French ministry of research leaves his traditional part : being an operator, to a new one : being a strategic initiator and follower
Priorities	Foster knowledge creation and diffusion, particularly towards PMEs
Structure	Researchers mobility towards private sector, creation and development of technological firms, technology transfer, private-public relationship, SME technology and innovation diffusion
Measure Areas	Status for young innovating enterprise, creation of National research agency, Industrial Innovation Agency, OSEO
Follow-up / Implementation	
Follow-up measures:	<input type="checkbox"/> No follow-up activities so far <input checked="" type="checkbox"/> New or adapted funding programme(s) /budget line; name: All ANR programs <input type="checkbox"/> New or adapted regulations/laws; name: <input type="checkbox"/> New or adapted informational campaigns/instruments; name: <input checked="" type="checkbox"/> New or restructured institutions/organisations; name: ANR, AII, OSEO <input checked="" type="checkbox"/> Implementation in forest policy: Mainly through new financing structures and new research institutions : especially, "competitiveness clusters" policy
General comment:	List research needs you identified, they might be taken up in phase II of COST E51 Name further reference sources used

Table 10: Part B - Overall Innovation Orientation

Overall innovation orientation (use word search function).	Please mark the frequency of occurrence of the <u>more generic terms</u> 'innovation' or synonyms ('new products', 'new services', 'new processes', 'new marketing methods', 'new business models') in the document	<input type="checkbox"/> never <input type="checkbox"/> sometimes <input checked="" type="checkbox"/> frequently
	Please mark the frequency of occurrence of the forest sector ' <u>innovation frontier</u> ' – innovation areas identified in Chapter 3 - in the document	<input type="checkbox"/> never <input type="checkbox"/> sometimes <input checked="" type="checkbox"/> frequently
	Please mark the frequency of occurrence of the <u>terms</u> that are related to innovation, for example entrepreneurship, diversification, competitiveness	<input type="checkbox"/> never <input type="checkbox"/> sometimes <input checked="" type="checkbox"/> frequently Terms used: Entrepreneurship, competitiveness
	Further comments on overall innovation orientation of the document: All types of innovation are quoted. But it deals mainly with institutional innovation, as it defines the future rules of the game for French research and innovation	
Relevance of innovation: Please mark how much relevance is given to innovation in the document (one answer)	<input type="checkbox"/> No relevance at all <input type="checkbox"/> Marginal issue <input type="checkbox"/> One issue among others <input type="checkbox"/> Important issue <input checked="" type="checkbox"/> Central issue Comments: Innovation and especially ministry support to industrial innovation is the main purpose of the document	
Degree of specification: Please mark how general or specific innovation is addressed by the document (one answer) Please use comments section to describe if the degree of specification varies for different parts of the document, esp. when concerning forestry	<input type="checkbox"/> very general (<i>innovation is named in general parts, e.g. preamble, but no related goals, measures, identified needs or similar are addressed by the document</i>) <input type="checkbox"/> rather general (<i>innovation is addressed in overall goals, needs are identified but no specification of measures</i>) <input checked="" type="checkbox"/> rather specific (<i>innovation is addressed in concrete goals, measures are formulated</i>) <input type="checkbox"/> very specific (<i>quantified goals related to innovation are formulated, concrete measures introduced, a fixed budget and timetable exist</i>) Comments: Innovation is a goal and a strategy within the new institutional framework	
Understanding of innovation policy Please assess what overall understanding of innovation policy is reflected in the document. See chapter 2.2.1	<input type="checkbox"/> Predominately traditional science and technology policy <input type="checkbox"/> Traditional S&T policy with systemic elements <input checked="" type="checkbox"/> Systemic innovation policy with S&T policy elements <input type="checkbox"/> Predominantly systemic innovation policy Comments: Some elements aren't new but some refer to systemic vision as the document includes training and insist on science-technology partnership, "poles de competitivité " (clusters)	
Goals and objectives: Mainly qualitative goals but also some quantitative evaluation about the situation in different fields (training, incubators, new technological enterprises, sectoral results etc.) :		
Issues, problems and related topics: The document is related to knowledge creation, innovation and competitiveness of the whole industrial sector, especially as a previous report (for example, Betbeze report) stated that France was going backwards (losing industrial specialisation)		
Innovation areas: Main innovation areas appear through "research and technological innovation networks" (RRITs) : 1 - ICT ; 2 - Biotechnology ; 3 - Energy and environment. These three areas re those forest technological frontier belongs to. These areas are here generic.		
General comment: Difficult to understand . Sorry		

Table 11: Part B - Innovation Support Measures

Innovation support measures <i>Consult classification in chapter 2.2.2</i>	Research and Development	Mobility of public researchers towards enterprises ; creation of technological enterprises
	Diffusion of innovation	Technological platforms, interface institutions (CRITT, RDT)
	Strengthening the knowledge base	Training to research, integration of newly young diplomed employees in small and medium enterprise (Cortechs, Cifre)
	Strengthening interaction	Competitiveness clusters, Creation onf ANR, Carnot label
	Demand creation	Reorientation of public procurement policy, support to lead users through RRITs
	Improving frame conditions	Mainly through the institutional reforms : OSEO, ANR, AII, finance an capital-risk, intellectual property support to SMEs
	Comments: A wide range of innovation support measures is presented here	
Priorities	Insitutional innovation is the core innovation support measure.	
Assessment of overall relevance	The insitutional innovation frames the others and explain how they interact within this new framework	
Promotion of innovation	Innovation is the only purpose of the document	
General comment:	This document shows the major change in the Ministry traditional research role : from operator to strategic initiator and support	

Table 12: Part B - Cross-sectoral coordination

Policy formulation	
Co-ordination with other processes and documents	See the documents cited page one : law about innovation (1999), Innovation Program (2003), Laws about Economic Initiative (2004)
Administrative Co-ordination:	<input type="checkbox"/> between different sections/departments within the same ministry; specify: _____ <input checked="" type="checkbox"/> between different ministries, specify: <u>Industry, Research, Agriculture, Environment, Work</u> <input type="checkbox"/> between ministries and other public organizations / agencies, specify: _____ <u>Comments:</u> Shortly explain the role of the main administrative actors
Stakeholder involvement	<input type="checkbox"/> Forestry: name most important organisations: _____ <input type="checkbox"/> Forest-based industries: name most important organisations: _____ <input type="checkbox"/> Agriculture: name most important organisations: _____ <input type="checkbox"/> Tourism: name most important organisations: _____ <input type="checkbox"/> Energy: name most important organisations: _____ <input type="checkbox"/> Environment: name most important organisations: _____ <input type="checkbox"/> Other sector: _____: name most important organisations: _____ <input type="checkbox"/> Other sector: _____: name most important organisations: _____ <u>Comments:</u> Shortly describe the type of stakeholder involvement
Coordination mechanisms:	<input type="checkbox"/> Formal (central) coordination body; name: _____ <input type="checkbox"/> Formal coordination process <input type="checkbox"/> Inter-sectoral working groups <input type="checkbox"/> Inter-sectoral advisory body <input type="checkbox"/> Formal mandatory consultation process <input type="checkbox"/> Formal voluntary consultation process <input type="checkbox"/> Informal consultations (please describe _____) <input type="checkbox"/> Others: _____
Policy Implementation	
Responsible actors and their roles:	Shortly explain the role of the main actors in the implementation of the document
Level of delegation	<input type="checkbox"/> Decentralized, e.g. <input type="checkbox"/> Central, e.g. ministry, public agency <input type="checkbox"/> Outsourced to private actors <input type="checkbox"/> Local, e.g. by municipalities <input type="checkbox"/> Regional, e.g. by regional public actors <input type="checkbox"/> Others: _____
General comment	List research needs you identified, they might be taken up in phase II of COST E51 Name further reference sources used

1.2.2 Innovation policy at regional level (pole = "cluster")

Table 13: Part A - General document information

Name:	Maritime Pine for the Future and Industries Cluster
Adoption: Please mark by whom and at which level the document is adopted	<input type="checkbox"/> Parliament <input type="checkbox"/> Government <input type="checkbox"/> Ministry: _____ <input checked="" type="checkbox"/> Others: Partnership FIBA-CAPFOREST, Aquitaine region <input type="checkbox"/> No formal approval Level: <input type="checkbox"/> National <input checked="" type="checkbox"/> Regional <input type="checkbox"/> Local Adoption date: 2005
Validity period:	Financed for 3 years ; this partnership research-training-industry is supposed to last longer as the first three years are conceived to initiate the cooperative process
Revision:	
Monitoring/ Evaluation:	Labellised by the CIADT (Comité interministériel d'aménagement du territoire) 2005. Governance assumed by two main participants : FIBA (Federation of Wood Industries of Aquitaine) and Cap Forest (consortium of research laboratories about Forest-Wood-Paper)
Related documents:	See : Pole Industries et Pin Maritime du Futur in : Cap Forest : www.pindeslandes.org Centre Technique du Bois et de l'Ameublement : http://www.ctba.fr/index2.php
Geographical scope:	<input type="checkbox"/> National <input checked="" type="checkbox"/> Regional; name: Aquitaine <input type="checkbox"/> Local, name:
Budget:	For the first three years of the « pôle de compétitivité » IPMF, the whole budget of the association amounts to 310 000,00 € (150 000,00 € for the first year). Conseil Régional finances 100 000,00 € (60 000,00 € for the first year). DRIRE (Regional Industry) and DRAF (Agriculture and Forest) participate each for 50 000,00 € (30 000,00 € for the first year). After 3 years, IPMF association must autofinance.
General description of contents as written in document	
Objective of the document	Innovative and sustainable use of Aquitaine forest resources
Priorities	Prospective innovative vision
Structure	<u>As said above : FIBA and Cap Forest structure the association</u>
Measure Areas	Forest-Wood-Paper Industries
Follow-up / Implementation	
Follow-up measures:	<input type="checkbox"/> No follow-up activities so far <input checked="" type="checkbox"/> New or adapted funding programme(s) /budget line; name: Within the cluster, specific projects are launched : green chemistry, wood-polymers composites, joining greenwood etc.) <input type="checkbox"/> New or adapted regulations/laws; name: <input type="checkbox"/> New or adapted informational campaigns/instruments; name: <input checked="" type="checkbox"/> New or restructured institutions/organisations; name: Pôle IPMF (Pôle Industries et Pin Maritime du Futur) <input checked="" type="checkbox"/> Implementation in forest policy:
General comment:	Integrated forests-wood-paper program : from research to innovation

Table 14: Part B - Overall Innovation Orientation

Overall innovation orientation (use word search function).	Please mark the frequency of occurrence of the <u>more generic terms</u> 'innovation' or synonyms ('new products', 'new services', 'new processes', 'new marketing methods', 'new business models') in the document	<input type="checkbox"/> never <input type="checkbox"/> sometimes <input checked="" type="checkbox"/> frequently
	Please mark the frequency of occurrence of the forest sector ' <u>innovation frontier</u> ' – innovation areas identified in Chapter 3 - in the document	<input type="checkbox"/> never <input type="checkbox"/> sometimes <input checked="" type="checkbox"/> frequently
	Please mark the frequency of occurrence of the <u>terms</u> that are related to innovation, for example entrepreneurship, diversification, competitiveness	<input type="checkbox"/> never <input type="checkbox"/> sometimes <input checked="" type="checkbox"/> frequently Terms used: Competitiveness, diversification, industrialisation,
	Further comments on overall innovation orientation of the document: Main purpose foster industrial growth through innovation	
Relevance of innovation: Please mark how much relevance is given to innovation in the document (one answer)	<input type="checkbox"/> No relevance at all <input type="checkbox"/> Marginal issue <input type="checkbox"/> One issue among others <input type="checkbox"/> Important issue <input checked="" type="checkbox"/> Central issue Comments:	
Degree of specification: Please mark how general or specific innovation is addressed by the document (one answer) Please use comments section to describe if the degree of specification varies for different parts of the document, esp. when concerning forestry	<input type="checkbox"/> very general (<i>innovation is named in general parts, e.g. preamble, but no related goals, measures, identified needs or similar are addressed by the document</i>) <input type="checkbox"/> rather general (<i>innovation is addressed in overall goals, needs are identified but no specification of measures</i>) <input type="checkbox"/> rather specific (<i>innovation is addressed in concrete goals, measures are formulated</i>) <input checked="" type="checkbox"/> very specific (<i>quantified goals related to innovation are formulated, concrete measures introduced, a fixed budget and timetable exist</i>) Comments:	
Understanding of innovation policy Please assess what overall understanding of innovation policy is reflected in the document. See chapter 2.2.1	<input type="checkbox"/> Predominately traditional science and technology policy <input type="checkbox"/> Traditional S&T policy with systemic elements <input type="checkbox"/> Systemic innovation policy with S&T policy elements <input checked="" type="checkbox"/> Predominantly systemic innovation policy Comments: Towards a new innovation policy : systemic and integrated	
Goals and objectives: Fight successfully international competition, delocalisations, conformity with Kyoto protocol :		
Issues, problems and related topics: Technologies and eco-development		
Innovation areas: Wood first-transformation, building uses, new ways to new uses of wooden resource		
General comment: Federation of research, technology transfer and training		

Table 15: Part B - Innovation Support Measures

Innovation support measures <i>Consult classification in chapter 2.2.2</i>	Research and Development	Funded on the partnership of all parts of the research system : ingegrated into Capforest consortium. Three directions : forest and sylviculture, wood and building, fiber and "green chemistry"
	Diffusion of innovation	Supporting technology transfer institutions, integration of specialised institutions into regional innovation agency : Innovalis
	Strengthening the knowledge base	Finding new ways to combine research and technology , science-industry cooperation, sustaining training and research
	Strengthening interaction	Cost reduction, valuechain optimisation, introducing ICT into industrial activities (logistic, production)
	Demand creation	Find new markets for wooden ecobuilding, marketing approach of users and cleints (substituted to product offer approach)
	Improving frame conditions	Accord cadre: wood-building-environment
	Comments	
Priorities	Biotechnologies, prospective analysis, finding resources, biofuels, new materials (wood-polymers etc..), green chemistry	
Assessment of overall relevance	Being more visible in the sector at national level and also at european level	
Promotion of innovation	Through OSEO projects and "competitiveness clusters" ; rpojects related with national sutrcutres as ANR (National research agency), for example	
General comment:		

Table 16: Part B - Cross-sectoral coordination

Policy formulation	
Co-ordination with other processes and documents	State-region contract planning,
Administrative Co-ordination:	<input type="checkbox"/> between different sections/departments within the same ministry; specify: _____ <input checked="" type="checkbox"/> between different ministries, specify: <u>Forest and agriculture, industry, environment</u> <input checked="" type="checkbox"/> between ministries and other public organizations / agencies, specify: <u>Multilevel coordination : Region and Nation (ANR, OSEO, AII, Datar etc.)</u> <u>Comments:</u> Coordination process between actors having different institutional territories and missions
Stakeholder involvement	<input checked="" type="checkbox"/> Forestry: name most important organisations: <u>AFOCEL</u> <input checked="" type="checkbox"/> Forest-based industries: name most important organisations: <u>FIBA, CTBA</u> <input checked="" type="checkbox"/> Agriculture: name most important organisations: <u>DRAF</u> <input type="checkbox"/> Tourism: name most important organisations: _____ <input checked="" type="checkbox"/> Energy: name most important organisations: <u>AVENE project in Aquitaine, ADEME</u> <input checked="" type="checkbox"/> Environment: name most important organisations: <u>MEDD, ADEME at national level, DRIRE at regional level</u> <input checked="" type="checkbox"/> Other sector: <u>Chemistry</u> : name most important organisations: _____ <input type="checkbox"/> Other sector: _____: name most important organisations: _____ <u>Comments:</u> Find a new governance trespassing usual frontiers between different insitutions
Coordination mechanisms:	<input checked="" type="checkbox"/> Formal (central) coordination body; name: <u>Regulation at regional level through "Competitiveness pole" : research, industry and training insitutions partnerships</u> <input checked="" type="checkbox"/> Formal coordination process <input checked="" type="checkbox"/> Inter-sectoral working groups <input type="checkbox"/> Inter-sectoral advisory body <input type="checkbox"/> Formal mandatory consultation process <input type="checkbox"/> Formal voluntary consultation process <input type="checkbox"/> Informal consultations (please describe _____) <input type="checkbox"/> Others: _____
Policy Implementation	
Responsible actors and their roles:	Shortly explain the role of the main actors in the implementation of the document
Level of delegation	<input type="checkbox"/> Decentralized, e.g. <input type="checkbox"/> Central, e.g. ministry, public agency <input type="checkbox"/> Outsourced to private actors <input type="checkbox"/> Local, e.g. by municipalities <input checked="" type="checkbox"/> Regional, e.g. by regional public actors <input type="checkbox"/> Others: _____
General comment	List research needs you identified, they might be taken up in phase II of COST E51 Name further reference sources used

1.2.3 Innovation policy at regional level (wood sector)

Table 17: Part A - General document information

Name:	Key technologies in the wood value chain- Aquitaine and Poitou Charentes
Adoption: Please mark by whom and at which level the document is adopted	<input type="checkbox"/> Parliament <input type="checkbox"/> Government <input type="checkbox"/> Ministry: _____ <input type="checkbox"/> Others: DRIRE – Conseil Régional Aquitaine <input type="checkbox"/> No formal approval Level: <input type="checkbox"/> National <input checked="" type="checkbox"/> Regional <input type="checkbox"/> Local Adoption date: October 2001
Validity period:	NA
Revision:	NO
Monitoring/ Evaluation:	The document is a prospective study- Proposal
Related documents:	NO other document
Geographical scope:	<input type="checkbox"/> National <input checked="" type="checkbox"/> Regional; name: 2 regions : Aquitaine and Poitou-Charentes <input type="checkbox"/> Local, name:
Budget:	Amount of budget in € (indicate whether per year or for whole document period); indicate the source for the budget, i.e. state, EU, regions, co-financed, etc.
General description of contents as written in document	
Objective of the document	The study financed by DRIRE and Conseil Régional aimed at defining innovation proposals (key technologies) necessary to develop the wood value chain industries in Aquitaine and Poitou-Charentes
Priorities	Key technologies in wood industries
Structure	1 - Optimisation innovations (process) ; 2 - New materials and new uses, 3 - Environmental innovations
Measure Areas	Each area studied is linked to specific proposals (technologies for process, new materials, new organisations and environmental innovations)
Follow-up / Implementation	
Follow-up measures:	<input type="checkbox"/> No follow-up activities so far <input type="checkbox"/> New or adapted funding programme(s) /budget line; name: <input type="checkbox"/> New or adapted regulations/laws; name: <input type="checkbox"/> New or adapted informational campaigns/instruments; name: <input checked="" type="checkbox"/> New or restructured institutions/organisations; name: Cap Forest research partnership in Aquitaine <input checked="" type="checkbox"/> Implementation in forest policy: Some of the proposals have been followed up by measures or some further research)
General comment:	List research needs you identified, they might be taken up in phase II of COST E51 Name further reference sources used

Table 18: Part B - Overall Innovation Orientation

Overall innovation orientation (use word search function).	Please mark the frequency of occurrence of the <u>more generic terms</u> 'innovation' or synonyms ('new products', 'new services', 'new processes', 'new marketing methods', 'new business models') in the document	<input type="checkbox"/> never <input type="checkbox"/> sometimes <input checked="" type="checkbox"/> frequently New processes, new materials, new business model
	Please mark the frequency of occurrence of the forest sector ' <u>innovation frontier</u> ' – innovation areas identified in Chapter 3 - in the document	<input type="checkbox"/> never <input type="checkbox"/> sometimes <input checked="" type="checkbox"/> frequently
	Please mark the frequency of occurrence of the <u>terms</u> that are related to innovation, for example entrepreneurship, diversification, competitiveness	<input type="checkbox"/> never <input type="checkbox"/> sometimes <input type="checkbox"/> frequently Terms used: Competitiveness, key-technologies, diversification
	Further comments on overall innovation orientation of the document:	
Relevance of innovation: Please mark how much relevance is given to innovation in the document (one answer)	<input type="checkbox"/> No relevance at all <input type="checkbox"/> Marginal issue <input type="checkbox"/> One issue among others <input type="checkbox"/> Important issue <input checked="" type="checkbox"/> Central issue Comments:	
Degree of specification: Please mark how general or specific innovation is addressed by the document (one answer) Please use comments section to describe if the degree of specification varies for different parts of the document, esp. when concerning forestry	<input type="checkbox"/> very general (<i>innovation is named in general parts, e.g. preamble, but no related goals, measures, identified needs or similar are addressed by the document</i>) <input checked="" type="checkbox"/> rather general (<i>innovation is addressed in overall goals, needs are identified but no specification of measures</i>) <input type="checkbox"/> rather specific (<i>innovation is addressed in concrete goals, measures are formulated</i>) <input type="checkbox"/> very specific (<i>quantified goals related to innovation are formulated, concrete measures introduced, a fixed budget and timetable exist</i>) Comments: The context of the study implied that the reserach stopped to general recommendations	
Understanding of innovation policy Please assess what overall understanding of innovation policy is reflected in the document. See chapter 2.2.1	<input type="checkbox"/> Predominately traditional science and technology policy <input type="checkbox"/> Traditional S&T policy with systemic elements <input type="checkbox"/> Systemic innovation policy with S&T policy elements <input checked="" type="checkbox"/> Predominantly systemic innovation policy Comments: The study tried to go beyond traditional science-technology transfer vision. It started by a systemic vision of the value chain industries and the key-technologies studied were duely integrated within this explanatory framework	
Goals and objectives: No quantitative goals. Qualitative goals were aimed at, with a specific attention to the main impediments to innovation and, therefore, to the "adequate" contextual solutions		
Issues, problems and related topics: The study dealt with the competitiveness of the sector (subtitle of the study). Optimisation of the process (cutting-drying-selecting) was one of the orientations. Diversification was the complementary way to raise competitiveness		
Innovation areas: New materials (wood-ingeneered products), organisational innovation (through ICTs), optimisation of the cutting process		
General comment: List research needs you identified, they might be taken up in phase II of COST E51 Name further reference sources used		

Table 19: Part B - Innovation Support Measures

Innovation support measures <i>Consult classification in chapter 2.2.2</i>	Research and Development	Funding doctoral research on areas of interest for them
	Diffusion of innovation	Promotion of projects linking potential adopters and technology integrators; use diagnostics
	Strengthening the knowledge base	Test in situ of competing alternative technologies to drive objective knowledge about them, favour the diversity of technological opportunities
	Strengthening interaction	Building a specific place where research could "talk" with other actors, especially industrial ones. Intermediation structures
	Demand creation	Defining the potential uses of new materials before elaborating them (reverse the "usual" process consisting in "products" offered by research laboratories but not wanted by the market (too expensive, for example))
	Improving frame conditions	Essentially, the insitutionla innovations where supposed to foster the knowledge of the profession and to ameliorate their information. The study proposed also to foster learning processes by involving SMEs industrials into collective projects
	Comments	
Priorities	Priority was given to optimisation of the processes because these innovations were crucial for the viability of the industry. Organisational innovations were involved too. Their implementation conditioned the emergence of the other types	
Assessment of overall relevance	The study was limited to wood industries (excluded forestry and paper, however recognised the interactions between these segments). The proposals were influenced by these limitations.	
Promotion of innovation	The study has to be considered as exploratory, it was kind of a première in the wood industry. The key-technology vision (which was adopted there) may be too technological for an industry which suffers of lack of organisational innovation	
General comment:	Better integration of innovation policy and environmental policy	

Table 20: Part B - Cross-sectoral coordination

Policy formulation	
Co-ordination with other processes and documents	Technologies-clés 2010 : http://www.tc-2010.fr
Administrative Co-ordination:	<input type="checkbox"/> between different sections/departments within the same ministry; specify: _____ <input checked="" type="checkbox"/> between different ministries, specify: <u>DRIRE (Industry and Environment)</u> <input checked="" type="checkbox"/> between ministries and other public organizations / agencies, specify: <u>CTBA</u> <u>Comments:</u> DRIRE tried to promote innovation and environmental problematics in the same time ; tested the validity of the instrument "key technologies" for the regional actors
Stakeholder involvement	<input type="checkbox"/> Forestry: name most important organisations: <u>AFOCEL</u> <input checked="" type="checkbox"/> Forest-based industries: name most important organisations: <u>FIBA</u> <input type="checkbox"/> Agriculture: name most important organisations: _____ <input type="checkbox"/> Tourism: name most important organisations: _____ <input type="checkbox"/> Energy: name most important organisations: _____ <input checked="" type="checkbox"/> Environment: name most important organisations: <u>DRIRE, ADEME</u> <input checked="" type="checkbox"/> Other sector: <u>Chemicals</u> : name most important organisations: _____ <input type="checkbox"/> Other sector: _____: name most important organisations: _____ <u>Comments:</u> Shortly describe the type of stakeholder involvement
Coordination mechanisms:	<input type="checkbox"/> Formal (central) coordination body; name: _____ <input type="checkbox"/> Formal coordination process <input checked="" type="checkbox"/> Inter-sectoral working groups <input type="checkbox"/> Inter-sectoral advisory body <input type="checkbox"/> Formal mandatory consultation process <input type="checkbox"/> Formal voluntary consultation process <input type="checkbox"/> Informal consultations (please describe _____) <input type="checkbox"/> Others: _____
Policy Implementation	
Responsible actors and their roles:	Regional actors (DRIRE, ADEME, Conseil régional) have implemented some of the proposals included in the document
Level of delegation	<input type="checkbox"/> Decentralized, e.g. <input type="checkbox"/> Central, e.g. ministry, public agency <input type="checkbox"/> Outsourced to private actors <input type="checkbox"/> Local, e.g. by municipalities <input checked="" type="checkbox"/> Regional, e.g. by regional public actors <input type="checkbox"/> Others: _____
General comment	List research needs you identified, they might be taken up in phase II of COST E51 Name further reference sources used

2.5. Rural development policy

Table 21 : Part A - General document information

Name:	National rural development plan (PDRH)
Adoption: Please mark by whom and at which level the document is adopted	<input type="checkbox"/> Parliament <input type="checkbox"/> Government <input type="checkbox"/> Ministry: ___Agriculture_____ <input type="checkbox"/> <input type="checkbox"/> Others: _____ <input type="checkbox"/> No formal approval Level: <input checked="" type="checkbox"/> National <input type="checkbox"/> Regional <input type="checkbox"/> Local Adoption date: 2006
Validity period:	2007-20013
Revision:	7 years (UE planification)
Monitoring/ Evaluation:	Formal preparation in WGs ;ex-ante, mid term and final evaluations foreseen
Related documents:	- list of measures to be funded
Geographical scope:	<input checked="" type="checkbox"/> National <input type="checkbox"/> Regional; name: <input type="checkbox"/> Local, name:
Budget:	9 943 M€ for the 7-years period
General description of contents as written in document	
Objective of the document	Support to activities in agriculture, forestry, food industry, or in link with rural lands
3 Priorities	<ul style="list-style-type: none"> - enhancement of competitiveness in agriculture, forestry, and food industry - preservation of the diversity and quality of rural areas, balance between human activities and natural resources preservation - maintaining economical attractiveness, through the diversity of resources, activities and actors.
Structure	<ul style="list-style-type: none"> - General strategy : Diagnosis, main axes - main Axis and measures (detailed) - Financial elements - Other elements (institutions, follow-up, publicity, ...)
Measure Areas	3 main axes, one per main priority as listed above. 1 cross-axis : local collective projects and governance
Follow-up / Implementation	
Follow-up measures:	<input type="checkbox"/> No follow-up activities so far <input checked="" type="checkbox"/> New or adapted funding programme(s) /budget line; name: FEADER <input type="checkbox"/> New or adaptation of regulations/laws; name: <input type="checkbox"/> New or adaptation of informational campaigns/instruments; name: <input type="checkbox"/> New or restructuring of institutions/organisations; name: <input type="checkbox"/> Implementation in forest policy:
General comment:	Researches for COST E51: Analyse the dynamic links between collective projects and innovation, and with regional forest governance. Other documents to be analysed : Forest territory charters, and Poles of rural excellence (concerning forests): concept, implementation

Table 22 : Part B - Overall Innovation Orientation

Overall innovation orientation (use word search function).	Please mark the frequency of occurrence of the <u>more generic terms</u> 'innovation' or synonyms ('new products', 'new services', 'new processes', 'new marketing methods', 'new business models') in the document	<input type="checkbox"/> never <input type="checkbox"/> sometimes <input checked="" type="checkbox"/> frequently
	Please mark the frequency of occurrence of the forest sector 'innovation frontier' – innovation areas identified in Chapter 3 - in the document	<input type="checkbox"/> never <input type="checkbox"/> sometimes <input checked="" type="checkbox"/> frequently
	Please mark the frequency of occurrence of the <u>terms</u> that are related to innovation, for example entrepreneurship, diversification, competitiveness	<input type="checkbox"/> never <input type="checkbox"/> sometimes <input checked="" type="checkbox"/> frequently Terms used: competitiveness,
	Further comments on overall innovation orientation of the document:	
Relevance of innovation: Please mark how much relevance is given to innovation in the document (one answer)	<input type="checkbox"/> No relevance at all <input type="checkbox"/> Marginal issue <input type="checkbox"/> One issue among others <input checked="" type="checkbox"/> Important issue <input type="checkbox"/> Central issue Comments:	
Degree of specification: Please mark how general or specific innovation is addressed by the document (one answer) Please use comments section to describe if the degree of specification varies for different parts of the document, esp. when concerning forestry	<input type="checkbox"/> very general (<i>innovation is named in general parts, e.g. preamble, but no related goals, measures, identified needs or similar are addressed by the document</i>) <input type="checkbox"/> rather general (<i>innovation is addressed in overall goals, needs are identified but no specification of measures</i>) <input checked="" type="checkbox"/> rather specific (<i>innovation is addressed in concrete goals, measures are formulated</i>) <input type="checkbox"/> very specific (<i>quantified goals related to innovation are formulated, concrete measures introduced, a fixed budget and timetable exist</i>) Comments: The goal is to increase the competitiveness of the activities, and the attractiveness of the lands; innovation and diversity are the means, rather detailed notably for the wood sector.	
Understanding of innovation policy Please assess what overall understanding of innovation policy is reflected in the document. See chapter 2.2.1	<input type="checkbox"/> Predominately traditional science and technology policy <input checked="" type="checkbox"/> Traditional S&T policy with systemic elements <input type="checkbox"/> Systemic innovation policy with S&T policy elements <input type="checkbox"/> Predominantly systemic innovation policy Comments: a large number of technical measures, standardised at the national scale, but with a stress on education, and support to collective strategic projects (axis 4).	
Goals and objectives (overall goal : maintaining activities): Competitiveness of rural enterprises, to maintain revenues and national production Diversification of economic activities, to offer employment and quality of life New governance, fostering an endogenous development		
Issues, problems and related topics: - rural revenues and production (competitiveness) - environmental take-in-account in agriculture activities, environmental quality and in rural areas - diversification of rural economies, for employment and quality of life - endogenous development, local dynamics		
Innovation areas: - 123b modernisation of SMEs (equipments) - 227 non-productive investments in forests (Natura 2000, protective forests). But innovative measures as sylvo-environmental payments have not been selected. - 341 Enhancement of local strategies in the forest sector : territorial forest charters The last measure (institutional) is the most innovative, and could orientate the other ones.		
General comment: Research questions : do local strategies (forest charters) foster innovation in other more classical measures ?		

Table 23 : Part B - Innovation Support Measures

Innovation support measures <i>Consult classification in chapter 2.2.2</i>	Research and Development	None
	Diffusion of innovation	The measure 111b is dedicated to the diffusion of innovation, but the fields are very general, to be detailed at the regional level if necessary.
	Strengthening the knowledge base	Measure 111a , not finely detailed about forestry
	Strengthening interaction	Measure 341: enhancement of local strategies in the forest sector
	Demand creation	Measure 341 : enhancing local strategies
	Improving frame conditions	Measure 341 : enhancing local strategies
	Comments	Innovation support measures are general for forestry, included in rural development purposes, at the national level. The institutional innovation (measure 341) is supposed to bring more precision at the local level. The financial lines are rather flexible.
Priorities	Institutional measures (341) are a priority, for the reasons detailed above.	
Assessment of overall relevance	The existing measure are clearly not sufficient to adapt the forest sector to the new demands. It will rather provide "laboratories", or demonstration areas, and local participative scenes, to promote innovation, and help the stakeholders to share common diagnoses. This PDRH should be a preparatory one for the forest	
Promotion of innovation	See above	
General comment:	The evaluation of the innovation process will be crucial, for the next PDRH, and beforehand to the orientation of classical measures.	

Part B - Cross-sectoral coordination

Policy formulation	
<u>Co-ordination with other processes and documents</u>	<u>National forest programme</u>
<u>Administrative Co-ordination:</u>	<input type="checkbox"/> between different sections/departments within the same ministry; specify: _____ <input checked="" type="checkbox"/> between different ministries, specify: <u>Environment</u> <input type="checkbox"/> between ministries and other public organizations / agencies, specify: _____ <u>Comments:</u> the PDRH (and the NFP)
<u>Stakeholder involvement</u>	<input type="checkbox"/> Forestry: name most important organisations: All ! <input type="checkbox"/> Forest-based industries: name most important organisations: _____ <u>All</u> <input type="checkbox"/> Agriculture: name most important organisations: All _____ <input type="checkbox"/> Tourism: name most important organisations: (limited) _____ <input type="checkbox"/> Energy: name most important organisations: (limited) _____ <input type="checkbox"/> Environment: name most important organisations: ministry, NGO <input type="checkbox"/> Other sector: _____: name most important organisations: _____ <input type="checkbox"/> Other sector: _____: name most important organisations: _____ <u>Comments:</u> Centralised process, with a very limited representation of the administrative Regions.
<u>Coordination mechanisms:</u>	<input checked="" type="checkbox"/> Formal (central) coordination body; name: <u>ministry of agriculture</u> <input type="checkbox"/> Formal coordination process <input checked="" type="checkbox"/> Inter-sectoral working groups <input type="checkbox"/> Inter-sectoral advisory body <input type="checkbox"/> Formal mandatory consultation process <input type="checkbox"/> Formal voluntary consultation process <input type="checkbox"/> Informal consultations (please describe _____) <input type="checkbox"/> Others: _____
Policy Implementation	
Responsible actors and their roles:	The measures are implemented by the local representatives of the ministry of agriculture.
Level of delegation	<input type="checkbox"/> Decentral, e.g. <input checked="" type="checkbox"/> Central, e.g. ministry, public agency <input type="checkbox"/> Outsourced to private actors <input type="checkbox"/> Local, e.g. by municipalities <input type="checkbox"/> Regional, e.g. by regional public actors <input type="checkbox"/> Others: _____
General comment	How to decentralise next time ??

2.6. Regional development policy

1.2.4 Burgundy

Table 24: Part A - General document information

Name:	Inter-professional contract for forest and wood sector in Burgundy (Contrat interprofessionnel de progrès pour la filière forêt-bois en Bourgogne dit « contrat de progrès Filière Bois »)
Adoption: Please mark by whom and at which level the document is adopted	<input type="checkbox"/> Parliament <input checked="" type="checkbox"/> Government <input type="checkbox"/> Ministry: _____ <input checked="" type="checkbox"/> Others: Burgundy regional parliament + industry representative association <input type="checkbox"/> No formal approval Level: <input type="checkbox"/> National <input checked="" type="checkbox"/> Regional <input type="checkbox"/> Local Adoption date: June 2005
Validity period:	2005-2007
Revision:	No revision
Monitoring/ Evaluation:	Evaluation each year : representative of government + regional parliament + industry representative authority
Related documents:	Project of "pole de compétitivité Bois-forêt en Bourgogne"
Geographical scope:	<input type="checkbox"/> National <input checked="" type="checkbox"/> Regional; name: Burgundy <input type="checkbox"/> Local, name:
Budget:	2 530 000, 00 €
General description of contents as written in document	
Objective of the document	To develop the forest wood chain in Burgundy
Priorities	Rural development (productive forest for wood and services in regional territories) Employment development at the regional level To federate all actors involved in the forest wood chain Training
Structure	4 main thrust of policy developed in 12 actions
Measure Areas	Wood resource valorisation (wood resource estimation, Forest certification, wood mobilisation and transport and logistic) Increase the competitiveness of companies (first and second transformation, timelessness, training) New market development (wood for construction, energy, export) Community activities
Follow-up / Implementation	
Follow-up measures:	<input type="checkbox"/> No follow-up activities so far <input type="checkbox"/> New or adapted funding programme(s) /budget line; name: <input type="checkbox"/> New or adapted regulations/laws; name: <input type="checkbox"/> New or adapted informational campaigns/instruments; name: <input checked="" type="checkbox"/> New or restructured institutions/organisations; name: Aprovalbois <input type="checkbox"/> Implementation in forest policy:
General comment:	National data available for everybody : web portal development Plan de massif (comment traduire?) Wood – railway – water way inter connexion BMR, technological survey Innovation : marketing strategy, eco design ?

Table 25: Part B - Overall Innovation Orientation

Overall innovation orientation (use word search function).	Please mark the frequency of occurrence of the <u>more generic terms</u> 'innovation' or synonyms ('new products', 'new services', 'new processes', new marketing methods', 'new business models') in the document	<input type="checkbox"/> never <input type="checkbox"/> sometimes <input checked="" type="checkbox"/> frequently
	Please mark the frequency of occurrence of the forest sector ' <u>innovation frontier</u> ' – innovation areas identified in Chapter 3 - in the document	<input type="checkbox"/> never <input checked="" type="checkbox"/> sometimes <input type="checkbox"/> frequently
	Please mark the frequency of occurrence of the <u>terms</u> that are related to innovation, for example entrepreneurship, diversification, competitiveness	<input type="checkbox"/> never <input type="checkbox"/> sometimes <input checked="" type="checkbox"/> frequently Terms used: competitiveness and diversification
	Further comments on overall innovation orientation of the document: clusters	
Relevance of innovation: Please mark how much relevance is given to innovation in the document (one answer)	<input type="checkbox"/> No relevance at all <input type="checkbox"/> Marginal issue <input type="checkbox"/> One issue among others <input checked="" type="checkbox"/> Important issue <input type="checkbox"/> Central issue Comments:	
Degree of specification: Please mark how general or specific innovation is addressed by the document (one answer) Please use comments section to describe if the degree of specification varies for different parts of the document, esp. when concerning forestry	<input type="checkbox"/> very general (<i>innovation is named in general parts, e.g. preamble, but no related goals, measures, identified needs or similar are addressed by the document</i>) <input checked="" type="checkbox"/> rather general (<i>innovation is addressed in overall goals, needs are identified but no specification of measures</i>) <input type="checkbox"/> rather specific (<i>innovation is addressed in concrete goals, measures are formulated</i>) <input type="checkbox"/> very specific (<i>quantified goals related to innovation are formulated, concrete measures introduced, a fixed budget and timetable exist</i>) Comments: strategy to increase competitiveness	
Understanding of innovation policy Please assess what overall understanding of innovation policy is reflected in the document. See chapter 2.2.1	<input type="checkbox"/> Predominately traditional science and technology policy <input checked="" type="checkbox"/> Traditional S&T policy with systemic elements <input type="checkbox"/> Systemic innovation policy with S&T policy elements <input type="checkbox"/> Predominantly systemic innovation policy Comments:	
Goals and objectives: Only indicators are described : no goal		
Issues, problems and related topics: Competitiveness of the forest sector : export development Training		
Innovation areas: Wood used for construction Marketing strategy		
General comment:		

Table 26: Part B - Innovation Support Measures

No information given at this level

1.2.5 Rhône-Alpes

Table 27 : Part A - General document information

Name:	Deliberation of the Regional Council of Rhone-Alpes
Adoption: Please mark by whom and at which level the document is adopted	<input checked="" type="checkbox"/> Parliament <input type="checkbox"/> Government <input type="checkbox"/> Ministry: _____ <input type="checkbox"/> Others: _Rhone-alpes region_____ <input type="checkbox"/> No formal approval Level: <input type="checkbox"/> National <input checked="" type="checkbox"/> Regional <input type="checkbox"/> Local Adoption date: 2006
Validity period:	Indefinite : orientation document (since 2006)
Revision:	First formal document on Rhone-Alpes Forest policy
Monitoring/ Evaluation:	Evaluation not foreseen yet
Related documents:	1 document (2 pages), and annexes detailing measures
Geographical scope:	<input type="checkbox"/> National <input checked="" type="checkbox"/> Regional; name: _____ <input type="checkbox"/> Local, name: _____
Budget:	6 M€ /y, cofinanced with national /EU (3M€)
General description of contents as written in document	
Objective of the document	Adopt a new regional policy about forest and forest products, according to the sustainable development pillars (environment, economy, social and governance)
Priorities	<ul style="list-style-type: none"> - Improving wood harvesting, for fuel wood, and for timber, to be valorised in construction and innovating projects - Increasing the total harvest, notably in mountain - Enhancing multifunctionality, through local economic projects - Enhancing synergies in the wood-chain, to increase employment
Structure	Political act : grounds, list of decisions (priorities for financement), measures, annexes detailing financial measures.
Measure Areas	Measures :financial, structural, educational, informational. Financial measures : for small harvesting enterprises, connections between harvesting enterprises and the first transformation sector, support to local multifunctional projects, support to silvicultures in protective forests or against fires.
Follow-up / Implementation	
Follow-up measures:	<input type="checkbox"/> No follow-up activities so far <input checked="" type="checkbox"/> New or adapted funding programme(s) /budget line; name: regional advice fund, regional strategic intervention fund; <input type="checkbox"/> New or adaptation of regulations/laws; name: <input type="checkbox"/> New or adaptation of informational campaigns/instruments; name: <input checked="" type="checkbox"/> New or restructuring of institutions/organisations; name: technical management committee for the regional forest-wood funds. <input checked="" type="checkbox"/> Implementation in forest policy: immediate
General comment:	Research needs in phase II COST E51 The articulation between regional and national (European) financings, in regard to innovation.

For Part B, no information given at this level on innovation (this document is more "production oriented" in quantitative terms)

2.7. Sustainable development policy

Name: National Strategy of Sustainable Development

Publication Date: June 2003

In progress

2.8. Renewable energy policy

Table 28: Part A - General document information

Name:	Wood Energy National Programme 2000-2006 (ADEME)
Adoption: Please mark by whom and at which level the document is adopted	<input type="checkbox"/> Parliament <input type="checkbox"/> Government <input type="checkbox"/> Ministry: _____ <input checked="" type="checkbox"/> Others: national agency _____ <input type="checkbox"/> No formal approval Level: <input checked="" type="checkbox"/> National <input type="checkbox"/> Regional <input type="checkbox"/> Local Adoption date: 1999
Validity period:	2000-2006
Revision:	No
Monitoring/ Evaluation:	Annual reports from ADEME – Agence de Développement et de la Maitrise de l'Energie – French Environment and Energy Management Agency Evaluation of the programme has been done (quantitative target as the number of new heating systems has been reached) for elaborating new programme (2007-2013)
Related documents:	No
Geographical scope:	<input checked="" type="checkbox"/> National <input type="checkbox"/> Regional; name: _____ <input type="checkbox"/> Local, name: _____
Budget:	Public fund on the period: 65 M€ (from further ref. Bellow) Some additional funds from local/regional authorities
General description of contents as written in document	
Objective of the document	Develop the use of wood for energy in the context of French engagement towards Kyoto Protocol (use of renewable energy resources, GHG...) Name shortly the main objective of the document (as written down in preamble, introduction part, vision or mission statements).
Priorities	Improve domestic use of wood for energy Sustain wood energy investment in collective, tertiary and industrial sectors Organise wood resources mobilisation Name the thematic priority areas of the document.
Structure	User-oriented: Domestic use of wood for heat Collective and tertiary uses of wood for energy Industrial uses of wood for energy Some quantitative targets are proposed.
Measure Areas	Engage and finance studies Financial subsidies for equipment (heating network, dryer for sawmills, domestic equipment) Normative approach of heating equipments (energetic efficiency) Communication Monitoring tools (observatory, indicators)
Follow-up / Implementation	
Follow-up measures:	<input type="checkbox"/> No follow-up activities so far <input checked="" type="checkbox"/> New or adapted funding programme(s) /budget line; name: FOGIME (Financial guarantee funds for SMEs in order to invest for reducing energy consumption), FIDEME (guarantees for enterprises that invest to reduce energy consumption and enhance the recycling of wastes) <input type="checkbox"/> New or adapted regulations/laws; name: _____ <input checked="" type="checkbox"/> New or adapted informational campaigns/instruments; name: _____ <input type="checkbox"/> New or restructured institutions/organisations; name: _____ <input type="checkbox"/> Implementation in forest policy: _____
General comment:	A new programme, 2007-2012, has been elaborated. A comparison of those 2 successive programmes could be of interest to identify changes particularly concerning innovation dimensions. Name further reference sources used RAPPORT de la France Au titre du paragraphe 2 de l'article 3 de la décision n°280/2004/ CE du Parlement européen et du Conseil du 11 février 2004 relative au mécanisme pour surveiller les émissions de gaz à effet de serre dans la communauté et mettre en œuvre le Protocole de Kyoto

Table 29: Part B - Overall Innovation Orientation

Overall innovation orientation (use word search function).	Please mark the frequency of occurrence of the <u>more generic terms</u> 'innovation' or synonyms ('new products', 'new services', 'new processes', 'new marketing methods', 'new business models') in the document	<input type="checkbox"/> never <input checked="" type="checkbox"/> sometimes <input type="checkbox"/> frequently
	Please mark the frequency of occurrence of the forest sector ' <u>innovation frontier</u> ' – innovation areas identified in Chapter 3 - in the document	<input checked="" type="checkbox"/> never <input type="checkbox"/> sometimes <input type="checkbox"/> frequently
	Please mark the frequency of occurrence of the <u>terms</u> that are related to innovation, for example entrepreneurship, diversification, competitiveness	<input type="checkbox"/> never <input checked="" type="checkbox"/> sometimes <input type="checkbox"/> frequently Terms used: valorisation, investment
	Further comments on overall innovation orientation of the document: innovation is related to the use of the biomass and its valorisation. The main innovations are: investment and structures of wood/biomass procurement	
Relevance of innovation: Please mark how much relevance is given to innovation in the document (one answer)	<input type="checkbox"/> No relevance at all <input checked="" type="checkbox"/> Marginal issue <input type="checkbox"/> One issue among others <input type="checkbox"/> Important issue <input type="checkbox"/> Central issue Comments:	
Degree of specification: Please mark how general or specific innovation is addressed by the document (one answer) Please use comments section to describe if the degree of specification varies for different parts of the document, esp. when concerning forestry	<input checked="" type="checkbox"/> very general (<i>innovation is named in general parts, e.g. preamble, but no related goals, measures, identified needs or similar are addressed by the document</i>) <input type="checkbox"/> rather general (<i>innovation is addressed in overall goals, needs are identified but no specification of measures</i>) <input type="checkbox"/> rather specific (<i>innovation is addressed in concrete goals, measures are formulated</i>) <input type="checkbox"/> very specific (<i>quantified goals related to innovation are formulated, concrete measures introduced, a fixed budget and timetable exist</i>) Comments: The term innovation by itself is not used. However the concept is behind many actions that are supported in the Programme.	
Understanding of innovation policy Please assess what overall understanding of innovation policy is reflected in the document. See chapter 2.2.1	<input type="checkbox"/> Predominately traditional science and technology policy <input checked="" type="checkbox"/> Traditional S&T policy with systemic elements <input type="checkbox"/> Systemic innovation policy with S&T policy elements <input type="checkbox"/> Predominantly systemic innovation policy Comments: Traditional = innovation is included in investments and new equipments for wood energy valorisation; Systemic = new organisation is necessary for developing bioenergy procurement at large scale	
Goals and objectives: Elaborating a label of new wood energy equipments for final consumers (energetic yield) and promoting efficient equipments: increase by 10% the energetic performance of national use of energy of final consumers from wood Evaluating industrial needs of energy, preparing them to reduce their energy consumption and to diminish their GHG emissions,. Support and promote dryer equipment in sawmills More technical option is found for heat network by a wish to develop technological research on processes.		
Issues, problems and related topics: Concerning the development of wood energy in collective, tertiary and industrial sectors, innovations aim 1/ to decrease the cost of actual equipment (over cost in comparison with fossil equipment); 2/ to find organisational solutions (and find technical solutions in harvesting/logistics/storage/maintenance systems to reduce forest chips costs; this topic was not precisely put down in the document but was important during its implementation period of time).		
Innovation areas: Bioenergy and investments towards supply and demand. Those innovations have territory impacts but also aim to develop a value added chain, which is complementary but also could be in competition with existing wood value chain.		
General comment: List research needs you identified, they might be taken up in phase II of COST E51 Name further reference sources used		

Table 30: Part B - Innovation Support Measures

Innovation support measures <i>Consult classification in chapter 2.2.2</i>	Research and Development	Financing studies for a better knowledge of markets, procurement actors, consuming modes, costs and equipment performances Promoting demonstration projects of housing with high tech. wood equipments (boilers...) Supporting technological research on processes (for collective and tertiary uses in particular) Participating to demonstrative projects of wood heating systems on 3 possible criteria: size of the project, organisation or technology used.
	Diffusion of innovation	Two financial tools have been elaborated to enhance the diffusion of innovation: FOGIME and FIDEME (cf. the first table 1 done on ADEME document)
	Strengthening the knowledge base	-
	Strengthening interaction	Elaborating label for domestic equipments has been done in collaboration with equipment manufacturers themselves.
	Demand creation	Developing incentives (fiscal) towards individuals to increase their wood consumption for energy with high efficient equipments (energetic yield of equipment) Incentives towards enterprises in order to carry out their energetic diagnostic Specific action to sawmills that plan to set up a dryer to get also wood boiler (fiscal and investment actions) Prepare firms to be ready for carbon market and new mechanisms to reduce energy consumption Promoting and communicating on wood as energy towards local authorities and wood enterprises
	Improving frame conditions	Promoting labels for final consumers' boilers ("Flamme verte") Ameliorating the commercial distribution network for domestic sector
Comments ADEME finances many studies in different fields that can be linked with R&D but also with other themes that are proposed as "support measures categories".		
Priorities	ADEME tools are mainly at pre-feasibility or feasibility level. ADEME can also accompany concrete projects but at the investment level only. Two main priorities therefore: R&D and demand development	
Assessment of overall relevance	ADEME plan is the major tool dedicated to wood for energy. Other documents treats about renewable energy resources or biomass. This plan uses large scale of possible levers and relies on traditional actors of the forest wood chain but also on new comers. The strategy is probably a good one for innovation in this field and based on incremental knowledge coming from years of experience (since 1994, ADEME has supported the development of wood as energy with – Plan Bois Energie et Développement Local – 1994 to 1999)	
Promotion of innovation	Please assess qualitatively how much innovation is furthered by the document. This would include the assessment of the overall relevance of innovation within the document as well as the relevance of the document for the policy area.	
General comment:	List research needs you identified, they might be taken up in phase II of COST E51 Name further reference sources used	

Table 31: Part B - Cross-sectoral coordination

Policy formulation	
Co-ordination with other processes and documents	<p>State - ADEME contract planning (2000 – Contrat de Plan) State and Regional Authorities contracts planning (definition of objectives and associated funds from national and local governments) (Contrat de plan Etat / region) National Plan for Climate Change (2000) (Orientation Law on Energy Policy, 2005)</p>
Administrative Co-ordination:	<p><input type="checkbox"/> between different sections/departments within the same ministry; specify: _____ × between different ministries, specify: <u>Industry, Research</u> × between ministries and other public organizations / agencies, specify: <u>ADEME, Technical centers, ITEBE (institute dedicated to wood energy), ...</u> <u>Comments:</u> the organisation developed within ADEME actions in general and wood energy plan in particular is rather complex. ADEME has many available tools to implement its actions. In France, R&D action is mainly integrated in ANR, the National Research Agency. Within this Agency, some programmes have been elaborated, one is dedicated to bioenergy. This tool is complementary with the Wood energy national programme of ADEME.</p>
Stakeholder involvement	<p><input type="checkbox"/> Forestry: name most important organisations: _____ × Forest-based industries: name most important organisations: <u>UCFF (Union des Coopératives Forestières Françaises) for forest chips, FNB (Fédération Nationale du Bois) for developing sawmill's dryer...</u> <input type="checkbox"/> Agriculture: name most important organisations: _____ <input type="checkbox"/> Tourism: name most important organisations: _____ × Energy: name most important organisations: _____ <input type="checkbox"/> Environment: name most important organisations: _____ × Other sector: <u>local communities</u>: name most important organisations: _____ <input type="checkbox"/> Other sector: _____: name most important organisations: _____ <u>Comments:</u> Shortly describe the type of stakeholder involvement</p>
Coordination mechanisms:	<p><input type="checkbox"/> Formal (central) coordination body; name: _____ × Formal coordination process <input type="checkbox"/> Inter-sectoral working groups × Inter-sectoral advisory body × Formal mandatory consultation process × Formal voluntary consultation process <input type="checkbox"/> Informal consultations (please describe _____) <input type="checkbox"/> Others: <u>ADEME has regional agencies, which have promoted wood energy in territories: the national coordination and the above possible coordination mechanisms are found at regional level also.</u></p>
Policy Implementation	
Responsible actors and their roles:	<p><u>Main actor: ADEME at national level and regional levels</u> <u>Some regional professional organisations have been involved in the development of wood energy programme in their territory. Regional authorities have also promoted this energy and ADEME programme through volunteering regional programmes.</u></p>
Level of delegation	<p>× Decentralized, e.g. local programs × Central, e.g. ministry, public agency × Outsourced to private actors × Local, e.g. by municipalities × Regional, e.g. by regional public actors <input type="checkbox"/> Others: _____</p>
General comment	<p>List research needs you identified, they might be taken up in phase II of COST E51 Name further reference sources used Activity report 2000-2004 of Wood Energy National Programme 2000-2006 (ADEME)</p>