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Forest-based Industries Advancing innovation



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Context and goals

- Address societal challenges and foster sustainable growth & jobs creation
 - Implementing EU 2020 Flagship initiatives
- Move towards a global low emissions and resource efficient economy
 - Energy and climate package
- Recovery from the financial crisis
 - Economy - gradually strengthening, in Europe
 - Trade - uneven global trade activity growth
- Strong international competition for investments and markets



Importance of Forest-based industries

- Forestry and Forest-based Industries (F&FbI) key to deliver common goals
 - Carbon sinks and storage capacity
 - Renewable, recyclable and climate friendly raw materials
- Some 2.5 million jobs and around 10% of total manufacturing, in the EU
- Pro-active, seeking innovative solutions and engaging in strategic alliances



Importance of an holistic approach

- Promoting sustainable and responsible competitiveness
 - Optimising added-value
- Resource efficiency
 - Savings and cost reduction
- Access and availability of raw materials
 - Virgin and recycled fibres
 - Sustainable forest management
 - Wood mobilisation and trade
- Research and innovation
 - Deployment and uptake (e.g. KETs)



Promoting research and innovation

- Innovation Union
- European Innovation Partnerships
 - Raw materials
 - ...
- Bio-based economy
- Pursuing FTP activities (follow-up)



Innovation Union

- Enabling and promoting innovation (including non-technical)
 - Innovation Partnerships
- Enhance cooperation between science and business; with world partners
- Favourable framework conditions to bring ideas to market



European Innovation Partnerships

- Bring together key actors, policies and actions at EU and national levels around common objectives and targets
 - From research to market
 - Address societal challenges (including energy and resource scarcity, health & ageing)
- EIP raw materials Communication (scope and objectives, governance, ...)



Resource efficiency

- Decouple economic growth from resource (and energy) use
- Enhance competitiveness
- Promote an integrated approach covering the whole life cycle of materials
- Invest in R&D and breakthrough technology
 - Optimise added-value that can be extracted from primary & secondary raw materials
 - Minimise environmental impacts of their use
- 2050 Roadmap



2050 Roadmap towards a low emissions future

- Deliverable under the Resource Efficiency Flagship
- Outline possible action up to 2050 to meet 80 to 95% emissions reduction, while maintaining strong industrial basis
 - Translates into an industry target of -83 to 87%, in 2050
 - Intermediate targets of -34 to 40%, in 2030
- Energy intensive industries invited to develop sector-specific roadmaps
- Raising land use productivity in a sustainable way
 - Bio-based economy Communication



Bio-economy

- Encompassing all sectors that derive their products from bio-resources
- Forestry and Forest-based Industries have a key role to play
- Increasing global demand for food and biomass
- Input to research and innovation agenda (under Horizon 2020)



New EU Forestry Strategy

- Provide a framework for coordinating EU forest related policies
- Strengthen the role of *fora* dealing with forest related issues (e.g. SFC, WPF)
- Linking with international forest processes
- Possible areas of action
 - Climate change
 - Bio-diversity



Concluding remarks

- Forestry and Forest-based Industries at the centre of EU policies
- Contribute to deliver a low emissions, resource efficient and climate resilient economy
- Fostering innovation
 - Deployment and commercialisation of technologies
 - Optimising added value