

Why is Research needed?

A perspective from the Portuguese Pulp and Paper Association

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Why is Research needed?

- Pulp and paper industries in Portugal
- The VIth Framework programme
- Policy framework for Europeans
- Driving research
- Research needs (brief review from 2nd IMACFORD Meeting for the Mediterranean region)
- One last thought (again from 2nd IMACFORD)

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CELPA - Pulp and Paper Industrial Association

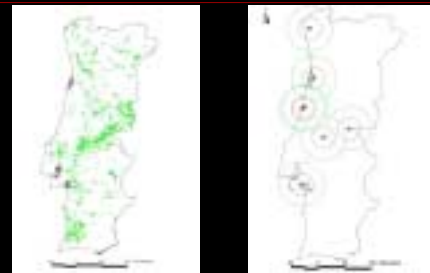
- 11 associated companies
- 1,8 millions tones of pulp (100% of nacional production)
- 1 million tons of various types of (90% nacional production)
- Direct employment of 4.400 people
- 250.000 hectares of own and rented forest area
- Wood consumption of 5,7 millions m³ ub
- 19% of self-supply

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Main regional impact of P&P industries



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Strategic Objectives of VIth FP

- Strengthening the scientific and technological bases of industry
- Encourage its international competitiveness while promoting research activities in support of other EU policies

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Basic features of FP6 ⁽¹⁾

- Improving integration and co-ordination of research in Europe
- Research will be targeted at:
 - strengthening the competitiveness of the European economy
 - solving major societal questions
 - supporting the formulation and implementation of other EU policies.

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Basic features of FP6 ⁽²⁾

- Activities have to be conducted in:
 - compliance with ethical principles, including those reflected in the Charter of Fundamental Rights of the European Union
 - increase the role of women in research
 - improve information for, and dialogue with, society.

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The European policy environment ⁽¹⁾

- EU Sustainable Development Strategy
- 6th Environmental Action Programme
- World Summit on Sustainable Development in 2002 RIO + 10
- Climate Change: Kyoto, Emissions Trading
- Renewable Energy Sources (RES)

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The European policy environment ⁽²⁾

- Integrated Product Policy (IPP)
- Commission's Communication of the Precautionary Principle
- Public Procurement
- Guidelines on Green State Aid
- White Paper on Environmental Liability

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The European policy environment ⁽³⁾

- EU Chemicals Policy
- Commission proposal for the 6th Research Programme
- Access to Environmental Information/Public Participation
- Community Environmental Agreements

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Keywords emerging from the European policy environment

- Prevention
- Integration
- Reduction
- Information
- Stakeholder participation
- Life cycle analysis

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Why is Research needed? ⁽¹⁾

- Help entities to survive in a complex, restrictive and competitive environment:
 - Understand and describe production mechanisms
 - Develop and propose alternative techniques
 - Evaluation of risks
 - Improve and develop control instruments
 - Provide arguments for communication between stakeholders

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Why is Research needed? ⁽²⁾

- Build multi-disciplinary approaches:
 - Providing bridges among various scientific branches
 - Perceive, describe and analyse facts through different angles
 - develop tools for prospective analysis

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Why is Research needed? ⁽³⁾

- Independent voice on issues related with development of society:
 - Providing best available knowledge
 - Allowing equity in knowledge sharing
 - Ensure credibility of informed choices
 - Spokesman of stakeholders needs and wishes

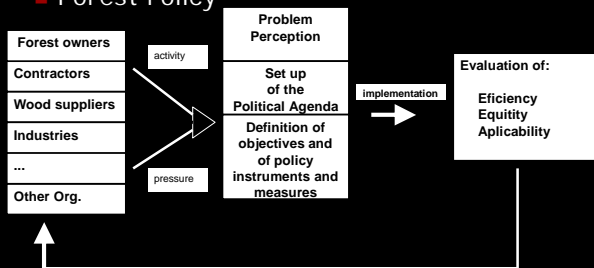
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R&D needs ⁽¹⁾

■ Forest Policy



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R&D needs ⁽²⁾

- Carbon balance and sequestration
- Biological diversity of Mediterranean forest systems
- Forest physiology

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R&D needs ⁽³⁾

- Growth modeling and tools
- Forest operations
- Organization and qualification of forest work
- Silviculture systems for non-'traditional' economic forest species

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R&D needs ⁽⁴⁾

- Motivation and choices of forest owners
- Production and marketing of forest goods and services
- Communication and knowledge-sharing

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The research gap

'One of the greatest limitations is our inability to share and disseminate new knowledge swiftly and effective in forms people can use.'

Julian Cribb and Tjempaka Hartomo