

2010

2015

2020

2025

2030

Forest-Based Sector
Technology Platform



From Research Priorities to Programmes and Projects

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Chairman
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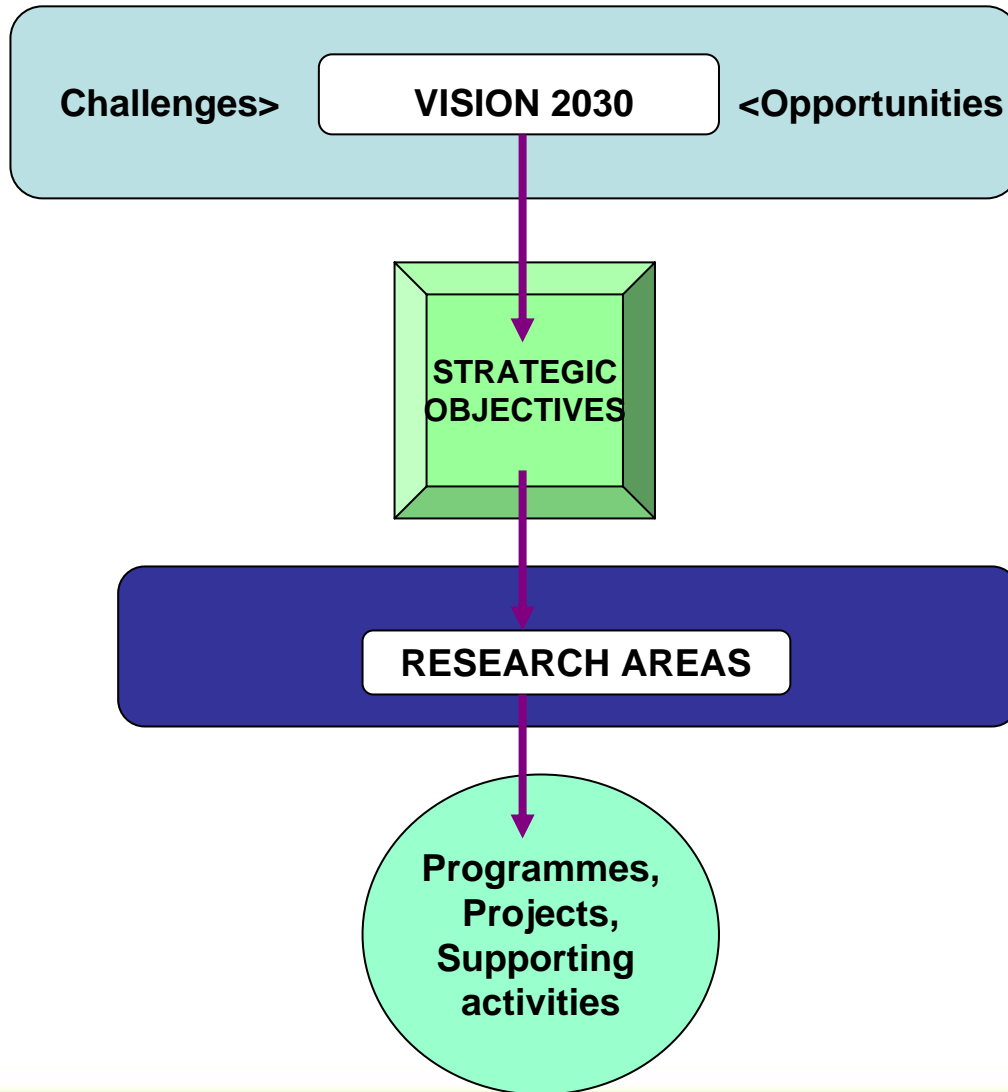


Outline

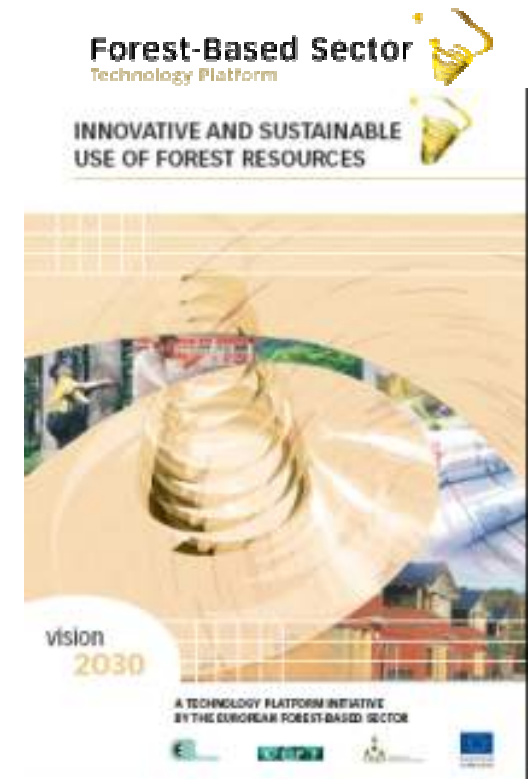
- **SRA: a consensus-based long term framework**
- **Moving towards Common Goals with Research: the SRA content**
- **Bringing the Vision to Reality: a few ideas**



FTP Steps



Vision document



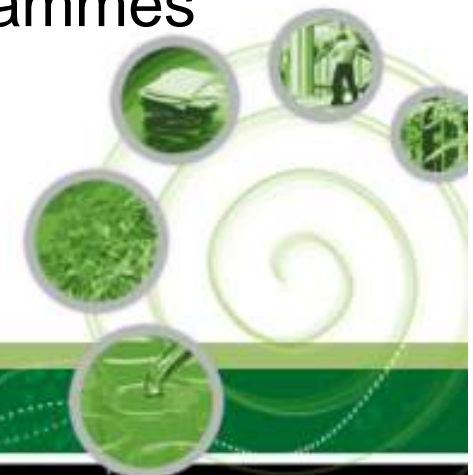
SRA

Implementation

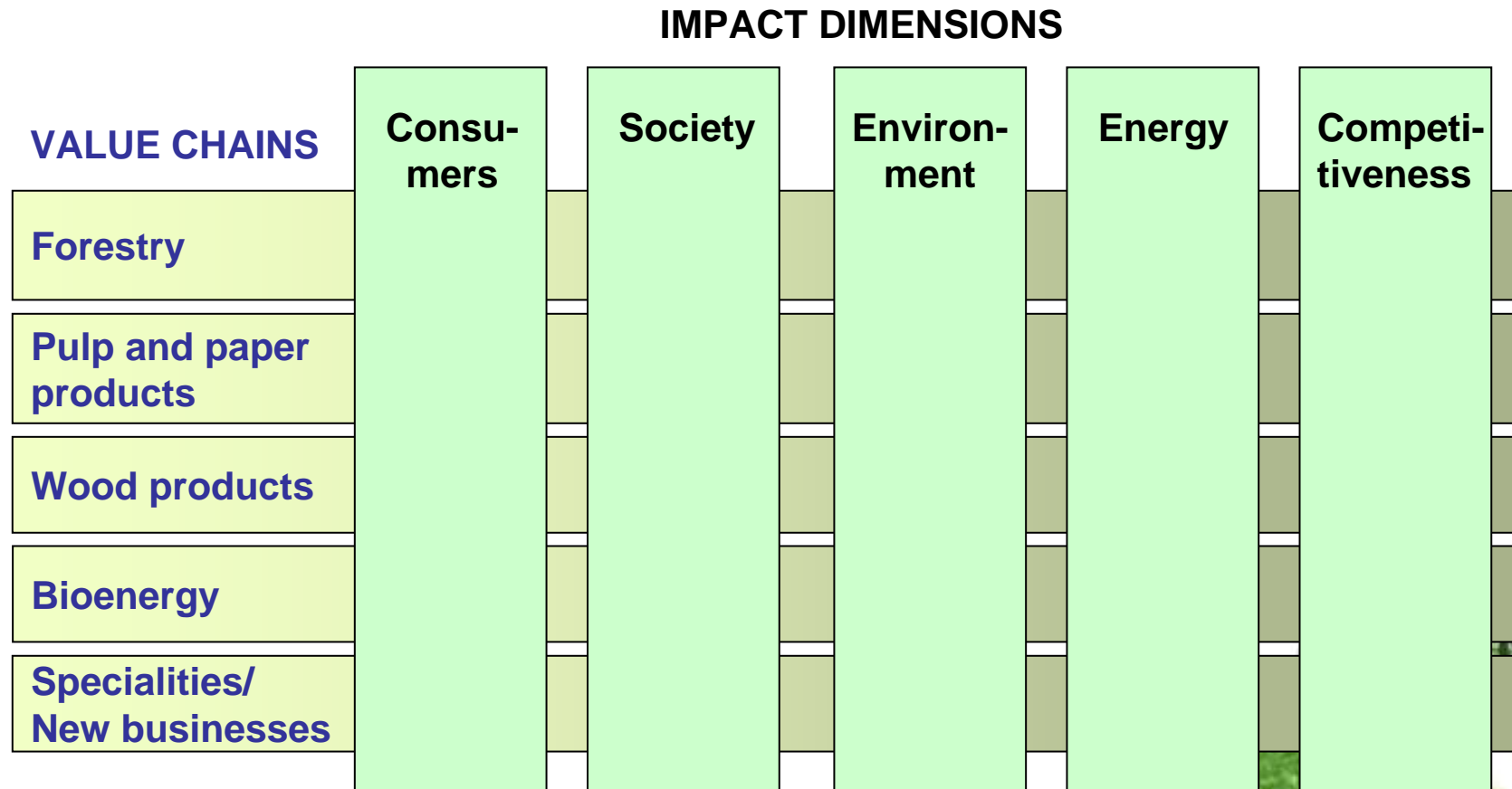


Moving towards common goals with Research; the SRA Logics

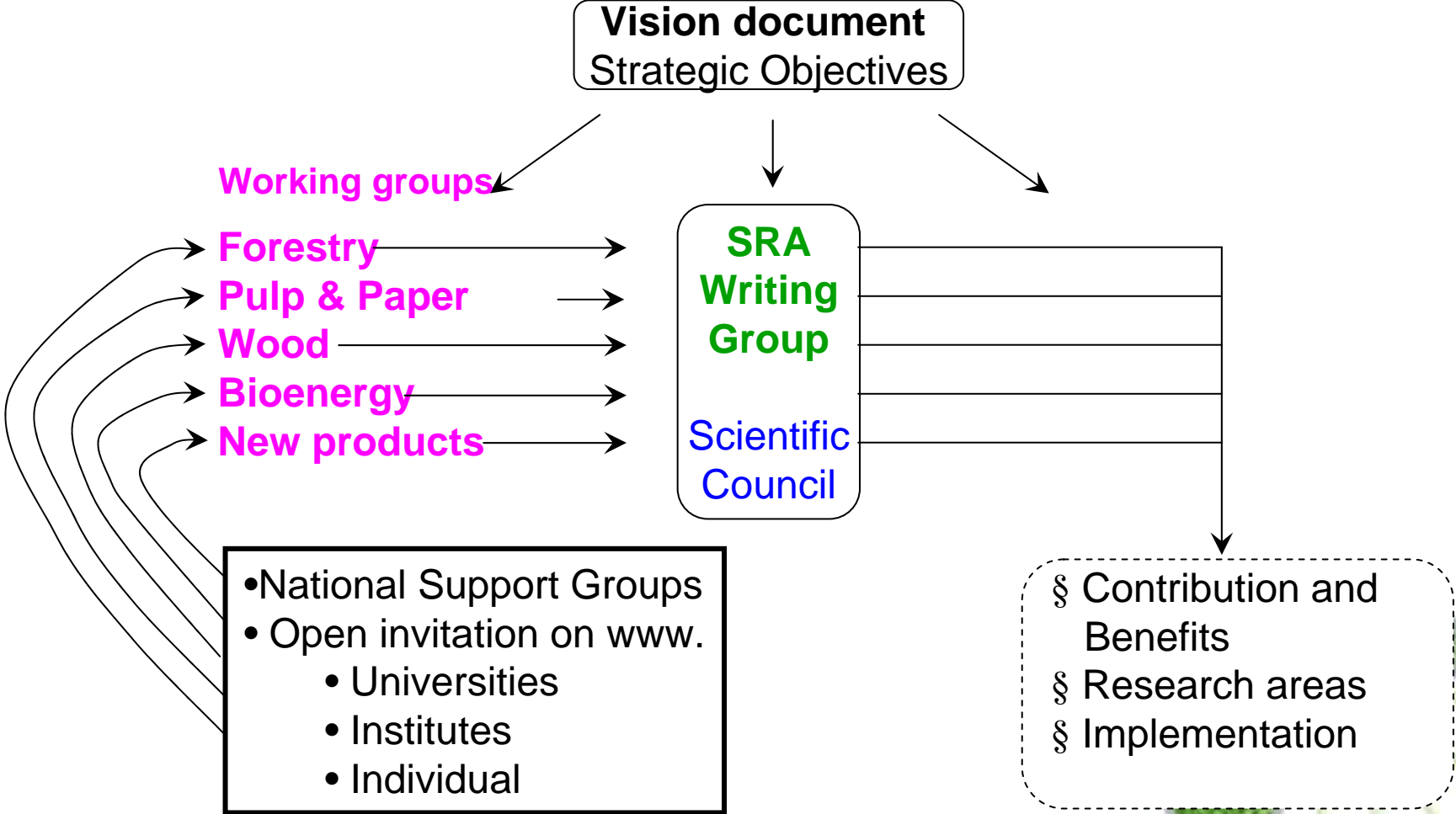
- ▶ The SRA builds on the Vision 2030 and the Strategic Objectives in the Vision Document.
- ▶ It expresses research needs in terms of 26 Research Areas.
- ▶ The SRA shows research directions with a European perspective. It is not expressing projects, programmes or ideas.



The SRA Development process



The SRA Development process



SRA: a consensus based long term framework

- Vision document and SRA based on involvement of many stakeholders; 1000 in the NSGs, 700 res. topics submitted
- Interactive and transparent process
- A solid and legitimate basement to build on research programmes and projects
- The need for developing a schedule (action plan)

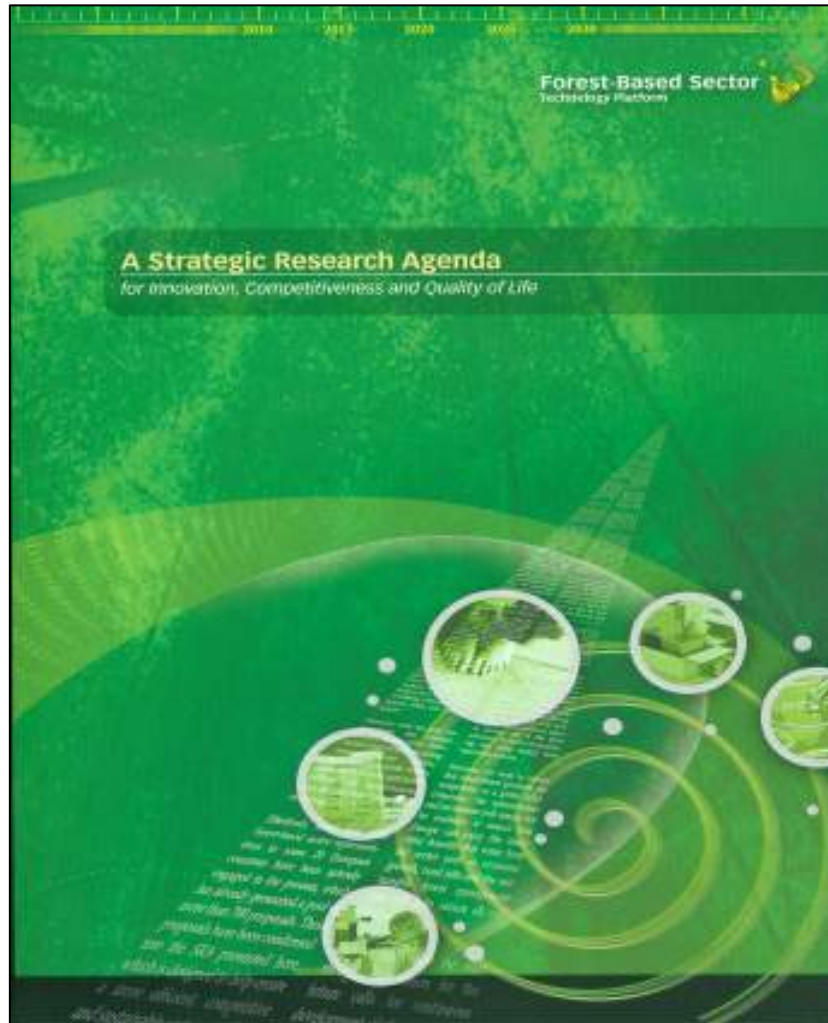




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SRA: the Content

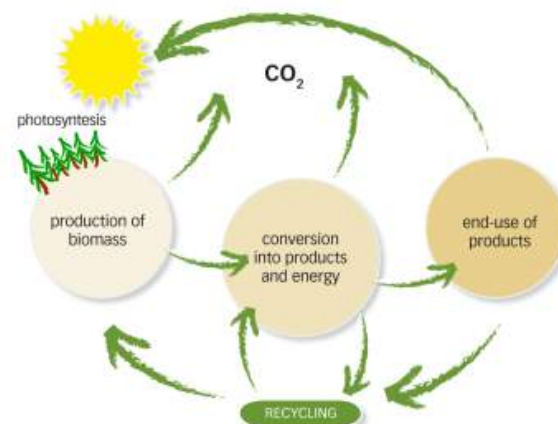
- ▶ Preface:
 - "An Initiative for Change"
- ▶ Executive Summary:
 - "Meeting the Future"
- ▶ 1. Contribution and Benefits
- ▶ 2. Moving towards Common Goals with Research
 - The Research Content
- ▶ 3. Implementation – Bringing the Vision to Reality

- ▶ Annex
 - Research Areas – Extended Description




Vision and SRA identify five Strategic Objectives for society to which this platform can contribute:

1. innovative products for changing markets and consumer needs
2. intelligent and efficient manufacturing processes, including energy consumption
3. availability and use of forest biomass for products and energy
4. multifunctional demand on forest resources and their sustainable management
5. the sector in a societal perspective



SRA overall structure

Forest-based Value Chains

Strategic Objectives	Forestry	Wood products	Pulp & paper products	Bio-energy	Specialities
1. Development of innovative products for changing markets and customer needs	1.6 Commercialising soft forest values	1.1 A new generation of functional packaging 1.4 Living with wood 1.5 Building with wood 1.10 New generation of composites	1.1 A new generation of functional packaging 1.2 Paper as a partner in communication 1.3 Advancing hygiene and health care 1.8 Pulp, energy, chemicals from bio-refinery 1.10 New generation of composites	1.7 Moving Europe with the help of bio-fuels 1.8 Pulp, energy and chemicals from wood bio-refinery	1.8 Pulp, energy, chemicals from wood bio-refinery 1.9 Green specialty chemicals 1.10 New generation of composites
2 Development of intelligent and efficient manufacturing processes including reduced energy consumption		2.4 Advanced technologies for primary wood processing 2.5 New manufacturing technologies for wood products	2.1 re-engineering the fibre-based value chain 2.2 More performance from less inputs in paper products 2.3 Reducing energy consumption in pulp and paper mills	2.3 Reducing energy consumption in pulp and paper mills 2.6 Technologies to boost heat and power output	
3. Enhancing availability and use of forest biomass for products and energy	3.1 trees for the future 3.2 "Tailor" made wood supply	3.2 »Tailor made « wood supply 3.4 Recycling wood products- a new material resource	3.2 "Tailor made" wood supply 3.3 Streamlined paper recycling	3.2 "Tailor made" wood supply	3.2 "Tailor made" wood supply
4. Meeting for multifunctional demand on forest resources and their sustainable management	4.1 Forest for multiple needs 4.2 Advancing knowledge on forest ecosystems 4.3 Adapting forestry to climate change.				
5. The sector in a societal perspective	5.1 Assessing the overall performance of the sector		5.2 Instruments for good forest sector governance		5.3 Citizens' perception

Strategic Objective 1 “Development of innovative products for changing markets and customer needs”

1-1	A new generation of functional packaging
1-2	Paper as a partner in com., education and learning
1-3	Advancing hygiene and health care
1-4	Living with wood
1-5	Building with wood
1-6	Commercialising soft forest values
1-7	Moving Europe with the help of bio-fuels
1-8	Pulp, energy and chemicals from wood bio-refinery
1-9	“Green” speciality chemicals
1-10	New generation of composites



Strategic Objective 2: “Development of intelligent and efficient manufacturing processes, including reduced energy consumption”

- | | |
|-----|---|
| 2-1 | Re-engineering the fibre-based value-chain |
| 2-2 | More performance from less input in paper products |
| 2-3 | Reducing energy consumption in pulp and paper mills |
| 2-4 | Advanced technologies for primary wood processing |
| 2-5 | New manufacturing technologies for wood products |
| 2-6 | Technologies to boost heat and power output |



Strategic Objective 3 “Enhancing availability and use of forest biomass for products and energy”

3-1	Trees for the future
3-2	“Tailor-made” wood supply
3-3	Streamlined paper recycling
3-4	Recycling wood products – a new material resource



Strategic Objective 4 “Meeting the multifunctional demands on forest resources and their sustainable management”

4-1 Forests for multiple needs

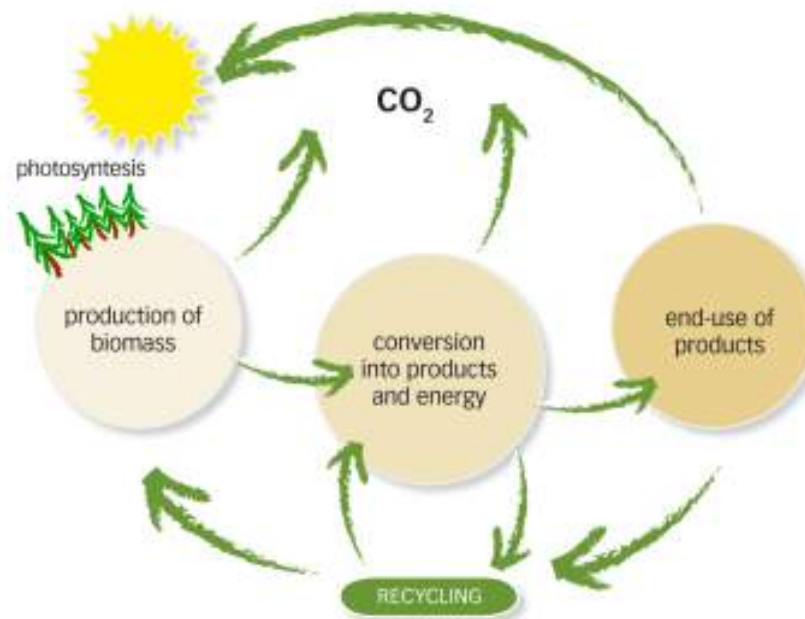
4-2 Advancing knowledge on forest ecosystems

4-3 Adapting forestry to climate change



Strategic Objective 5: “The sector in a societal perspective”

5-1	Assessing the overall performance of the sector
5-2	Instruments for good forest-sector governance
5-3	Citizen’s perception





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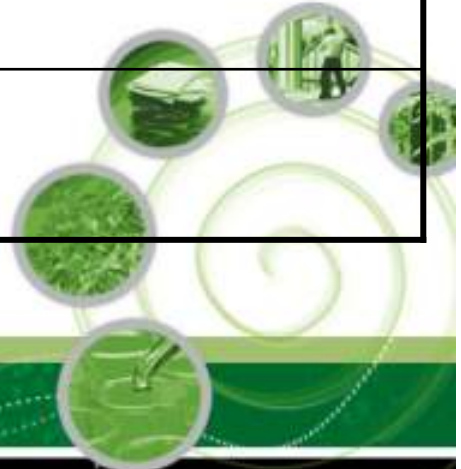
Implementation 2006/2007

- **Development of the SRA into research programs and projects**
- **Coordination of the European SRA with national agendas**
- **Development of schemes for research funding**
- **Create networks, consortia, etc., for future research activities**
- **Connect the SRA with appropriate existing research efforts**



A typology of Research Programmes and Projects

Funding	Nation	Multi-nation.	Europe			
Industry	Progr. & Proj.	Progr. & Proj.	FP (subj. to WP)			EUREKA
Public (national)	Progr. & Proj.	Progr. & Proj.	FP (subj. to WP)	ERA-Net	COST	EUREKA
European (mainly EU)			FP (subj. to WP)	ERA-Net	COST	
Private Foundations	X	X				



Attracting neighbouring scientists

- ▶ From gene level to landscapes, regions and global questions
- ▶ Biosciences (system biology) and biotechnology
- ▶ Material science
- ▶ Complex system science
- ▶ Information and communication technology, ICT
- ▶ Nanoscience
- ▶ Societal sciences incl. perception and recreational aspects
- ▶ Political, economical and medical sciences



Links to other TPs

- **Water supply and sanitation**
- **European Construction**
- **Sustainable chemistry/white biotechnology**
- **Biofuels**
- **Plants for the future**





Thank you for listening!

