



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 and it is not describing financing or who should carry out the work.

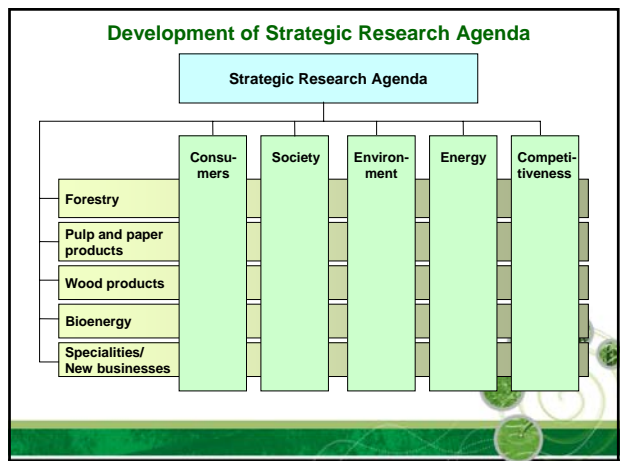
Process and timetable for the SRA

Step 1

- ▶ Work started spring 2005 by inviting some 20 National Support Groups to propose research needs from their national perspective. Reply by June 15.
- ▶ Also open invitation on the FTP website.
- ▶ Resulted in more than 700 proposals.

Step 2

- ▶ 5 Value-chain working groups (forestry, pulp & paper, wood products, bioenergy, specialities) used this material and own thinking to present a limited number of most important research needs for the sector in a European perspective. Result by Sept 15.



Impact Coordinators

Parallel to the Value-chain working groups, four persons have looked at research needs from the perspectives of : society, competitiveness, environment, consumers and energy efficiency.



IT Task Force

A special IT Task Force was set up to assure that the potentials given by ICT are considered.



Step 3

- ▶ An SRA-team headed by Lennart Eriksson (STFI) consisting of Birte Schmetjen (CEPF), Risto Päivinen (EFI), Ilkka Kaartovaara (Storaenso), Klaus Niemelä (KCL), Pat Mc Keough (VTT), Andreas Kleinschmit von Lengfeld (CEI-Bois) was set up to propose the final SRA, which was ready by Feb 6.



Some key citations from the SRA document

- ▶ The SRA aims at increasing the **competitiveness** of Europe by developing **innovative products and services**.
- ▶ Besides a need for higher added-value products in existing segments, there is need for the development of **entirely new uses for wood**.



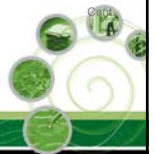
Cont.

- ▶ Forest-based materials provide **substitutes for non-renewable** materials.
- ▶ The SRA provides for enhancing the **multi-functionality** of forests.
- ▶ The forest-based sector can help to reduce Europe's **dependence on oil**.



Cont.

- ▶ Development of products and services must be based on a sound understanding of **customer and consumer needs**.
- ▶ The development of technologically advanced, highly **efficient manufacturing processes** is a must.
- ▶ Society gains the maximum benefit from forest-based products through balanced **recycling systems**.



Cont.

- ▶ The FTP initiative puts **innovation** high on the forest-based sector's agenda.
- ▶ By developing methods for **assessing sustainability**, the forest-based sector will prove its superior performance.



- ▶ Sustainability, product development, resource availability, multiple forest use, biodiversity, the production of bioenergy and energy efficiency – in tackling these areas, **the SRA is clearly an ambitious undertaking.**



The SRA research content is described as a set of Research Areas organised under 5 Strategic Objectives.



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

- ▶ Research Area 1-1: A new generation of functional packaging
- ▶ Research Area 1-2: Paper as a partner in communication, education and learning
- ▶ Research Area 1-3: Advancing hygiene and health care
- ▶ Research Area 1-4: Living with wood
- ▶ Research Area 1-5: Building with wood



Cont.

- ▶ Research Area 1-6: Commercialising soft forest values
- ▶ Research Area 1-7: Moving Europe with the help of bio-fuels
- ▶ Research Area 1-8: Pulp, energy and chemicals from wood bio-refinery
- ▶ Research Area 1-9: “Green” specialty chemicals
- ▶ Research Area 1-10: New generation of composite



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

- ▶ Research Area 2-1: Reengineering the fibre-based value chain
- ▶ Research Area 2-2: More performance from less inputs in paper products
- ▶ Research Area 2-3: Reducing energy consumption in pulp and paper mills
- ▶ Research Area 2-4: Advanced technologies for primary wood processing
- ▶ Research Area 2-5: New manufacturing technologies for wood products
- ▶ Research Area 2-6: Technologies to boost heat and power output



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

- ▶ Research Area 3-1: Trees for the future
- ▶ Research Area 3-2: “Tailor-made” wood supply
- ▶ Research Area 3-3: Streamlined paper recycling
- ▶ Research Area 3-4: Recycled wood products - a new material resource



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

- ▶ Research Area 4-1: Forests for multiple needs
- ▶ Research Area 4-2: Advancing knowledge on forest ecosystems
- ▶ Research Area 4-3: Adapting forestry to climate change



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

- ▶ Research Area 5-1: Assessing the overall performance of the sector
- ▶ Research Area 5-2: Instruments for good forest sector governance
- ▶ Research Area 5-3: Citizens' perceptions



The research content of the SRA may seem broad. But the sector is also in many respects very broad (products, services, roles of forests, geographical spread, jobs etc.)

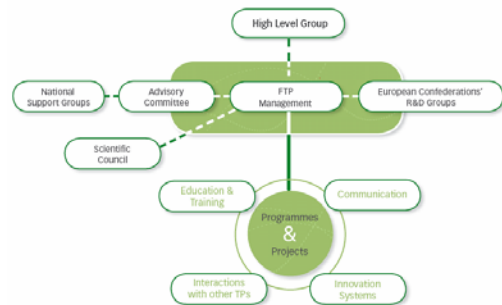


Implementation

- ▶ Starts more or less now.
- ▶ Shall convert the SRA into projects and programmes.
- ▶ Also involves supporting activities on: links to research society, improving the innovation system, strengthening education and training, setting up a communication plan.



Implementation Structure



Financing

- ▶ The SRA will not be a "gigantic collective programme"
- ▶ It will consist of a set of individual projects and programmes within the scope of the SRA. Each with its own owners, financing and research performers.
- ▶ "Financial engineering" must be applied using national and European public sources in addition to financing from industry, forest owners and other bodies.



Cont.

- ▶ The European Commission will through its Framework programmes only finance part of the SRA.
- ▶ The EC finances typically 50% of a project – they require matching.



From Vision to Reality: The Strategic Research Agenda for the Forest-Based Sector



Admont
Styria-Austria
2nd & 3rd May 2006

Starting the
Implementation phase
of the SRA



Forest-Based Sector Technology Platform

Programme and online registration for Admont

www.forestplatform.org

