

Making synergies between the European research agenda and national programmes

The role of SRA in Sweden

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Establishment of a Swedish National Research Agenda for the forest based sector harmonised with the SRA

- ▶ The process
- ▶ Organisation and structure
- ▶ Priority to research areas



The initiation of a Swedish National Research Agenda was organised as a project

Project goal

To launch a National Research Agenda that

- ▶ is harmonised with the Strategic Research Agenda (SRA)
- ▶ strengthen prioritised research needs of the Swedish forest based sector
- ▶ has a structure with a sustainable acceptance from the Swedish stakeholders
 - 1) Industry
 - 2) Institutes and universities
 - 3) Governmental funding organisations
- ▶ is established in June 2006



NRA – "what's in it for the companies"

If the project is successful

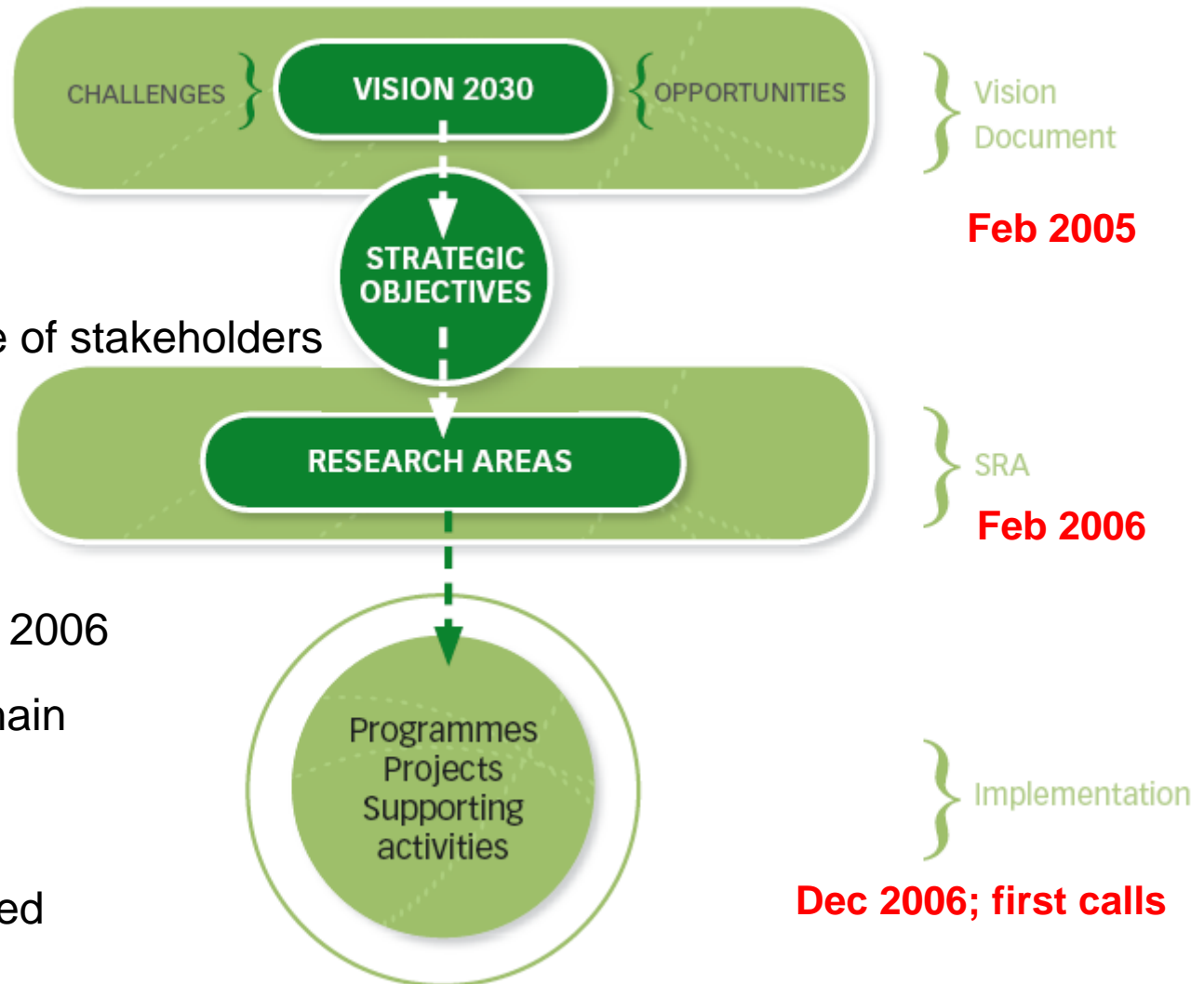
- Larger selection of co-financed project
- Enhanced resources in co-financed project
- Possibility to influence and give priority to different initiatives in an early state
- Focus on project results (and not research administration)



FTP STEPS

NSG for SRA development

- Nov 2004 to Feb 2006
- 14 persons
- Multidisciplinary
- Representation of all type of stakeholders

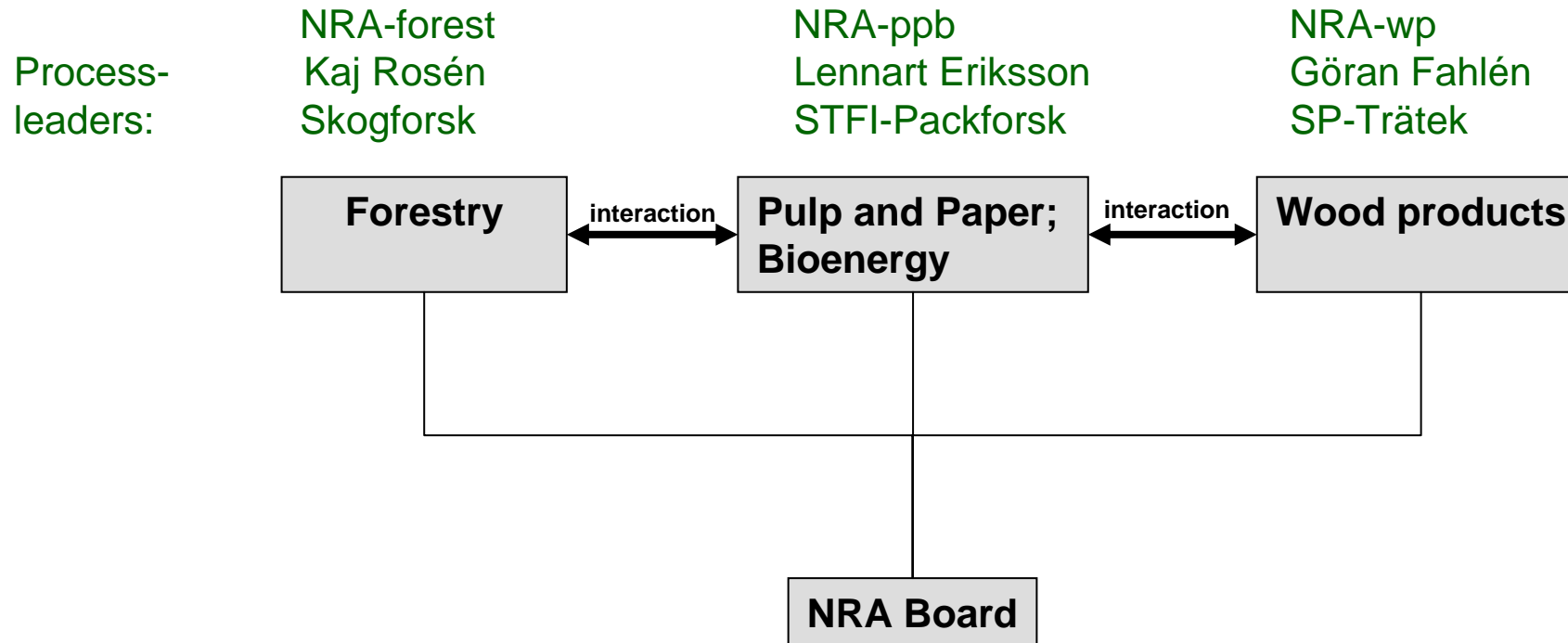


NSG for implementation

- New structure from April 2006
- Divided in three value chain oriented processes
- New stakeholder representatives nominated



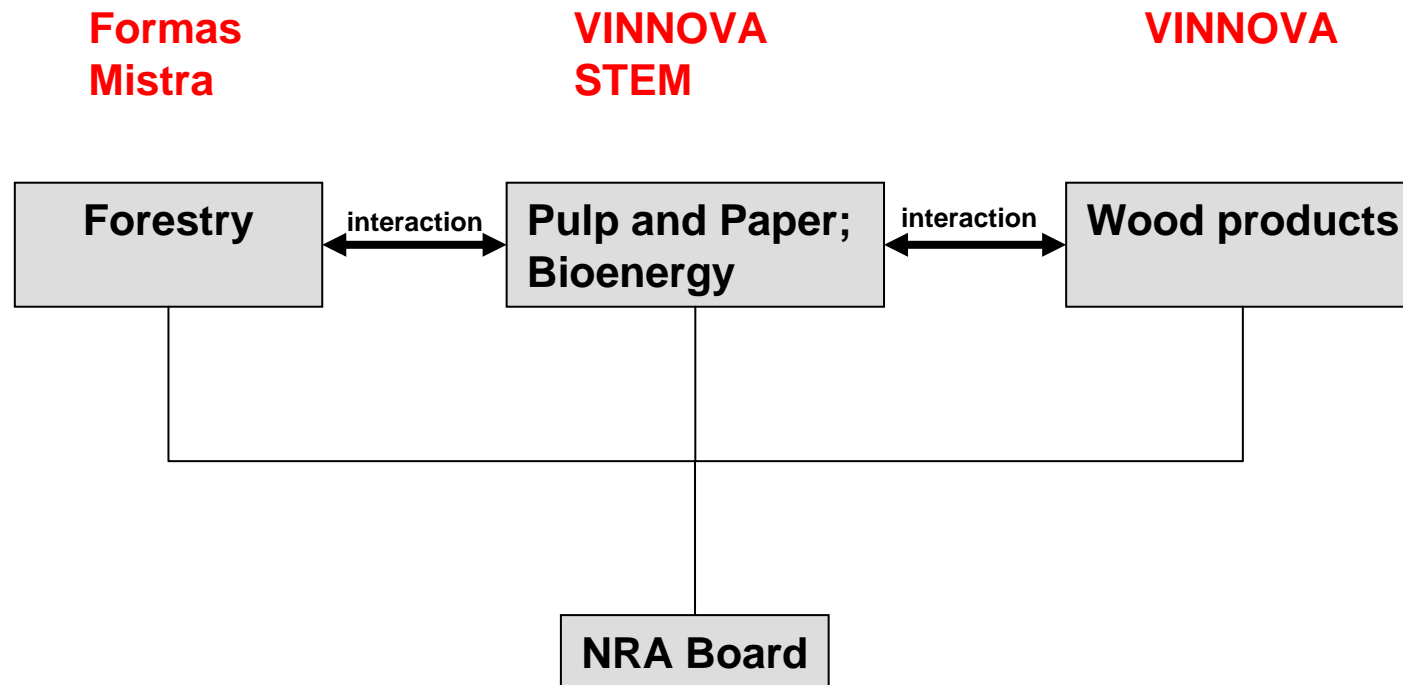
Structure of Swedish National Research Agenda (and NSG) divided in three implementation areas *



* “Specialties” considered in all three



The interests and the strategies of different governmental funding organisations have been matched against the three areas



NRA time schedule 2006

- ▶ Jan – March
 - Planning and informing of NRA structure
> 15 meetings with different stakeholders
 - Estimation of potential NRA budget
- ▶ April
 - Establishment of the three implementation processes and the process leaders
 - Preparation of workshop and reference groups
- ▶ May
 - Reference group meetings organised by process leaders
 - Workshops to give priority to SRA:s research areas
- ▶ June
 - Statutory meeting of NRA board and finalisation of project
 - Conclusion of first NRA document
- ▶ August – December
 - Start of project and programme formation based on national funding
 - Preparation for expansion in line with first 7:e FP calls



The 26 research areas will be prioritised within separate workshops for each implementation process

| 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: <i>A new generation of functional packaging</i> 1-4: Living with wood 1-5: Building with wood 1-10: <i>New generation of composites</i> | 1-1: <i>A new generation of functional packaging</i> 1-2: Paper as a partner in communication, education and learning 1-3: Advancing hygiene and health care 1-8: <i>Pulp, energy and chemicals from wood bio-refinery</i> 1-10: <i>New generation of composites</i> | 1-7: Moving Europe with the help of bio-fuels 1-8: <i>Pulp, energy and chemicals from wood bio-refinery</i> | 1-8: <i>Pulp, energy and chemicals from wood bio-refinery</i> 1-9: <i>"Green" specialty chemicals</i> 1-10: <i>New generation of composites</i> |
| 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: Reengineering the fibre-based value-chain 2-2: More performance from less inputs in paper products 2-3: <i>Reducing energy consumption in pulp and paper mills</i> | 2-3: <i>Reducing energy consumption in pulp and paper mills</i> 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: <i>"Tailor-made" wood supply</i> | 3-2: <i>"Tailor-made" wood supply</i> 3-4: Recycling wood products - a new material resource | 3-2: <i>"Tailor-made" wood supply</i> 3-3: Streamlined paper recycling | 3-2: <i>"Tailor-made" wood supply</i> | 3-2: <i>"Tailor-made" wood supply</i> |
| 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 | | | | |
| 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' perceptions | | | | |

Research areas

Priority, Sweden

| | | New products | Bio-energy | Pulp and paper | Wood products | Forestry | |
|-----------------|------|---|------------|----------------|---------------|----------|---|
| Products | 1-1 | A new generation of functional packaging | x | | * | | |
| | 1-2 | Paper as a partner in comm., education learning | x | | * | | |
| | 1-3 | Advancing hygiene and health care | x | | * | | |
| | 1-4 | Living with wood | x | | | x | |
| | 1-5 | Building with wood | | | | x | |
| | 1-6 | Commercialising soft forest values | x | | | | x |
| | 1-7 | Moving Europe with the help of bio-fuels | | x | | | x |
| | 1-8 | Pulp, energy and chem. from wood bio-refinery | x | x | | | x |
| | 1-9 | “Green” speciality chemicals | x | x | | | x |
| | 1-10 | New generation of composites | x | | | | |
| Processes | 2-1 | Re-engineering the fibre-based value-chain | | | x | | |
| | 2-2 | More performance from less input in paper prod. | | | x | | x |
| | 2-3 | Reducing energy consumption in pulp paper mills | | | x | | |
| | 2-4 | Advanced techn. for primary wood processing | | | | x | |
| | 2-5 | New manufacturing technologies for wood prod | * | | | x | * |
| | 2-6 | Technologies to boost heat and power output | | x | * | | |
| Bio-mass | 3-1 | Trees for the future | | | * | * | x |
| | 3-2 | “Tailor-made” wood supply | | x | x | x | x |
| | 3-3 | Streamlined paper recycling | | | x | | |
| | 3-4 | Recycling wood prod – a new material resource | | | | x | |
| Sustain-ability | 4-1 | Forests for multiple needs | | | | | x |
| | 4-2 | Advancing knowledge on forest ecosystems | | | | | x |
| | 4-3 | Adapting forestry to climate change | | | | | x |
| Society | 5-1 | Assessing the overall performance of the sector | | | x | | |
| | 5-2 | Instruments for good forest-sector governance | | | x | | |
| | 5-3 | Citizen’s perceptions | | | x | | |

**Tasks for workshops;
give and motivate
priorities**

**Importance for industrial
competitiveness in
Sweden**

3 = highly important

2 = probably important

1 = less important

0 = n.a.

The matching between the SRA and priorities in the Swedish NRA will become evident in June

