

**NRA Sweden**

The Swedish National Support Group

# The Swedish Research and Innovation Policy Process within the Forest Based Sector

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The transformation of the Canadian forest sector  
and Swedish experiences

Monday 28<sup>th</sup> May 2012

KSLA

*...to help create a more efficient, competitive and sustainable sector. ... future calls for continuous development of the sector and ...*



# Forest-Based Sector

## Technology Platform



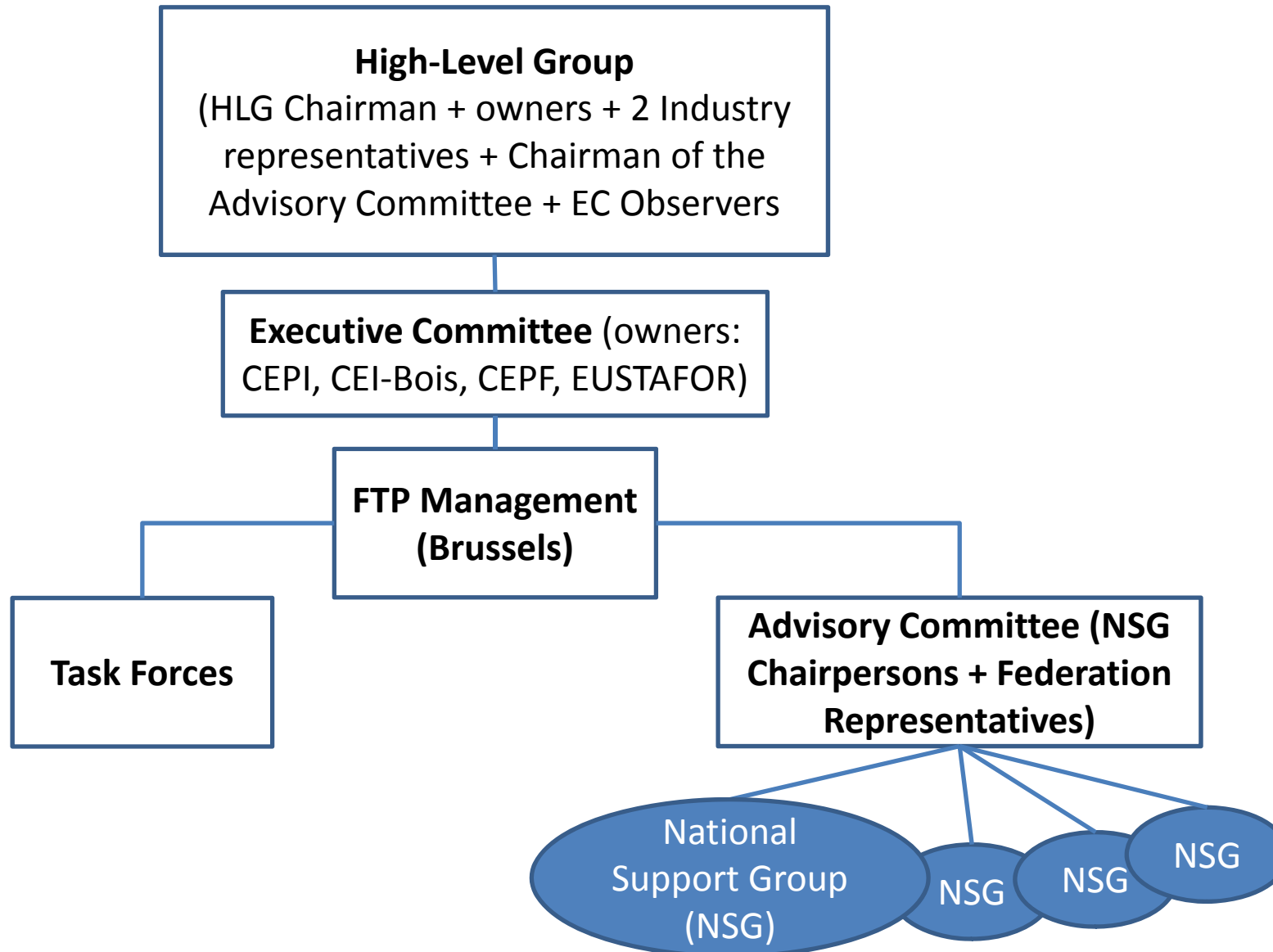
### **FTP main activity:**

Implementing research

guided by its **Vision 2030**, and its **Strategic Research Agenda**

- Being an interface between industry, researchers and policy-makers in setting research funding priorities
- Simplify trans-national research & innovation collaborations
- Support exploitation and dissemination of results
- Reduce fragmentation and overlaps in Europe

# Current FTP organisation



## EU Framework Program for Research and Innovation "Horizon2020" - Seven fat years to come?

- EU funding for research and innovation is a growth market
- Political focus on societal challenges allow FBS to look at radically different utilisation of forests and its renewable raw material



# The structure of Horizon2020 (2014-2020)

## **I Excellent Science, 27 818 M€**

1. The European Research Council; 15 008 M€
2. Future and Emerging Technologies (FET); 3 505 M€
3. Marie Curie actions on skills, training and career development; 6 503 M€
4. European research infrastructures (including e-Infrastructures); 2 802 M€

## **II Industrial Leadership, 20 280 M€**

1. Leadership in enabling and industrial technologies; 15 580 M€
2. Access to risk finance; 4 000 M€ (400% budget increase)
3. Innovation in SMEs; 700 M€

## **III Societal Challenges, 35 888 M€**

1. Health, demographic change and wellbeing; 9077 M€
2. Food security, sustainable agriculture, maritime research, bio-economy; 4 694 M€
3. Secure, clean and efficient energy; 6 537 M€
4. Smart, green and integrated transport; 7 690 M€
5. Climate action, resource efficiency and raw materials; 3 573 M€
6. Inclusive, innovative and secure societies; 4 317 M€

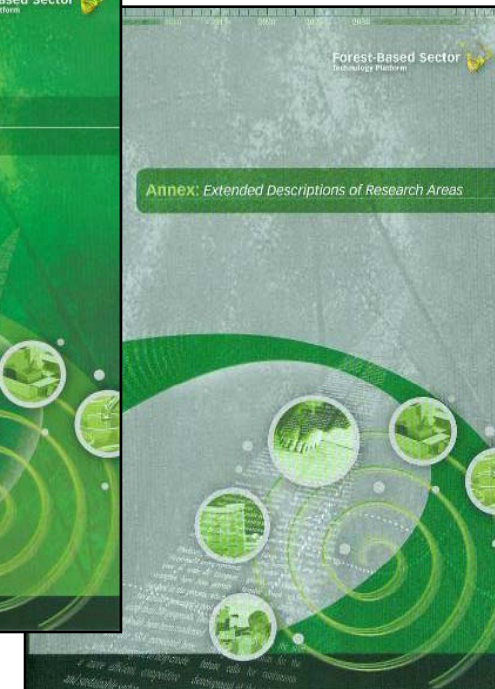
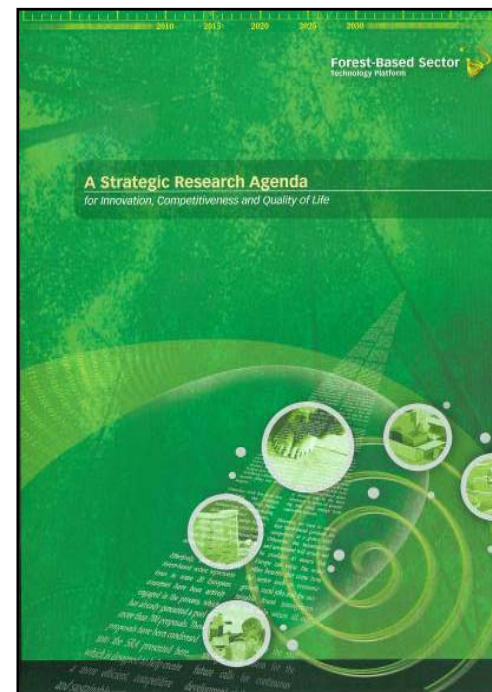
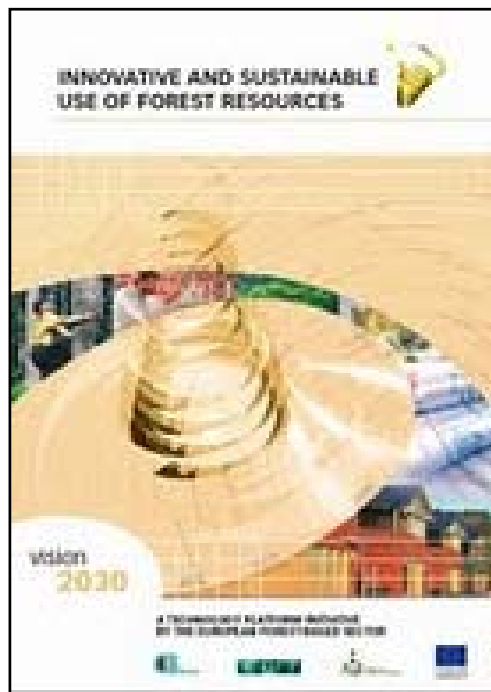
**European Institute of Innovation and Technology (EIT); 1542 + 1652**

# Public-Private Partnerships (PPP)

- ✓ **Industry in the lead!**
- ✓ **Funding in the range of BILLIONS of Euros**
- ✓ **Lower percentage of public investment on research and innovation than e.g. Horizon2020**



# Revising FTP Key documents Vision 2030 and SRA 2020



Existing key documents prepared 2004-2006



# Strategic Research Agenda 2020 – Annex

## 3 Strategic Themes - 16 Innovation & Research Areas

### Responsible use of forest resources

1.1 Forest ecology and eco-system services

1.2 Enhanced biomass production and climate action

1.3 Tailor-made wood supply

1.4 Cascade use and recycling of materials

1.5 Multi-purpose use of forests

### Creating industrial leadership

2.1 Resource efficiency in manufacturing

2.2 Renewable energy solutions

2.3 Sustainable water management

2.4 Biorefinery concepts

2.5 New business models and service concepts

### Fulfilling consumer needs

3.1 Building with wood Housing structures

3.2 Indoor wood products & functional furniture

3.3 New bio-based products

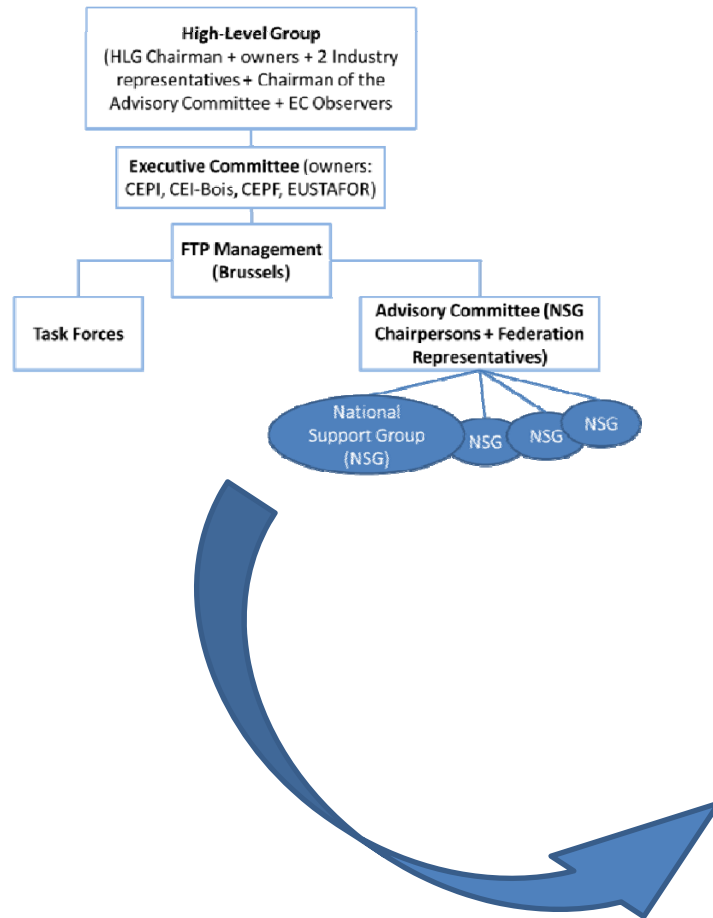
3.4 Intelligent packaging solutions

3.5 Hygienic, diagnostic & healthcare products

3.6 Integration of new solutions in printed



## Current FTP organisation



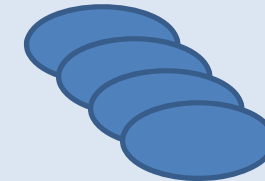
## The Swedish NSG

NSG council

NSG secretariat incl. 4 process leaders

4 reference groups representing different aspect of the FBS

- FBS science community
- FBS private sector
- Public sector repr. (funding agencies)



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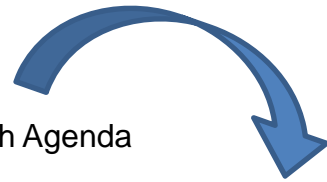


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**SRA Strategic Research Agenda**  
(present)



**NRA National Research Agenda**  
(present)

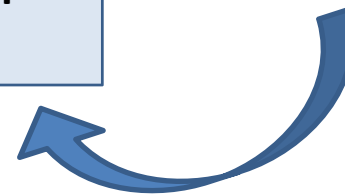


**En biobaserad ekonomi  
for barkraftig samhallsutveckling**



AgroVast • AgroOst • Formas • Hushallningsallskapens Forbund • Hastnarings Nationella Stiftelse • JTI, Institutet for jordbruks- och miljöteknik • Jordbruksverket • Lanbrukarnas Riksforbund • Lantmannen/Central FOJ • Livsmedelsforetagen (Li) • Livsmedelsverket • Mistra • Naturvetarna • Skogforsk • Skogsindustrierna • Skogssallskapet AB • SP Tratek • Statens Veterinarmedicinska Anstalt • Stiftelsen Svensk Hastforskning • Stiftelsen Lanbruksforskning • Svenska FSC • Sveriges Lanbruksuniversitet • Vinnova • Varldsnaturfonden WWF

**Swedish Research & Innovation Bill  
(to the Parliament autumn 2012)**



# PLATFORMS & FUNDING MECHANISMS

- or how does it all fit together?

## Europe 2020 (goals)

- employment
- R&D & Innovation
- Climate & energy

## Horizon 2020

- Excellence in Science
- Industrial Leadership
- Societal Challenges

## FTP

- Vision 2030
- SRA

## INTERNATIONAL SOURCES OF FUNDING

- EU – Horizon 2020, incl. ERA-Net etc.
- EUREKA
- COST
- Bilateral & multilateral co-operation, eg. Nordic co-operation

## NATIONAL SOURCES OF FUNDING

- Private sector
- Funding agencies
- Research funds
- University core funding

## NRA

STRATEGIC THEMES

NATIONAL RESEARCH & INNOVATION AREAS

PROGRAMS & PROJECTS

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Thank you for your attention!

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[www.nra-sweden.se](http://www.nra-sweden.se)

[www.forestplatform.org](http://www.forestplatform.org)

*...to help create a more efficient, competitive and sustainable sector. ...vision for the future calls for continuous development of the sector and*

