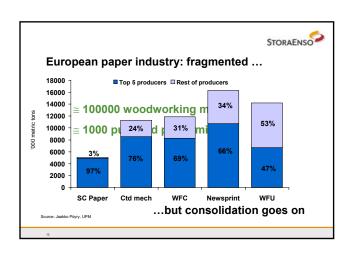


About 1000 companies and 1300 mills Turnover of 74 billion Euro Employs some 260 000 people directly and the forest based industries cluster employs some 4 million people Produces some 90 million tons of paper and 39 million tons of pulp Almost 50% of the paper and board consumed is recovered Exports 10 million tons of its products Represents 28% of the world production





What industry needs

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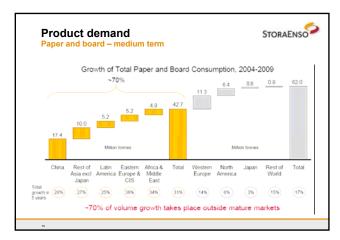
Starting poin

· Industry basic need:

Maintain a competitive platform to serve our customers

- · Such a platform can best be built upon:
 - Healthy demand for products
 - Cost competiveness in inputs, manufacturing processes, logistics
 - Superior sustainability performance
- Supportive public policies are important prerequisites!
- Mobilization issues are to be set against this framework.

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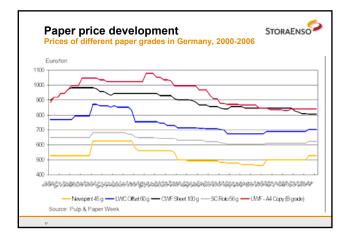
Product demand

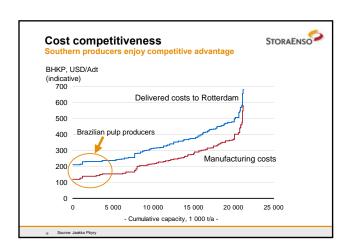
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Vood products

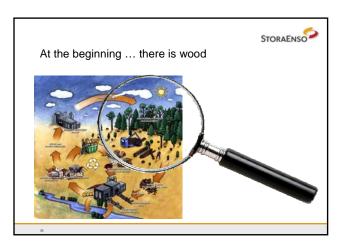
- Solid wood products show steady long-term growth
- Wood has a strong and long term improving position in construction
 - More developed wood-based building systems and solutions
 - Lower energy intensity of manufacturing compared to e.g. steel and concrete
 - Wood is the only truly renewable building material

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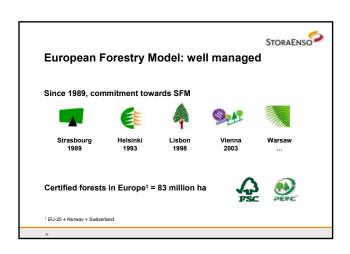
- · Dominant but highly fragmented private ownership
- Heterogeneity of forest owners' behaviours and responses to changes in wood prices
- Reduced price-elasticity of the supply, in particular from nonindustrial private forest owners and state forests.
- Other factors influencing the wood supply:
 - Harvesting and transport cost
 - State of the resource as such (age, species, dimension)
 - Regulatory context
 - Owners' willingness to supply (itself depending, on the age, the family structure, social and historical aspects, etc.)

EVEN IF PRICES WOULD INCREASE, THE SUPPLY WOULD NOT NECESSARILY INCREASE PROPORTIONALLY

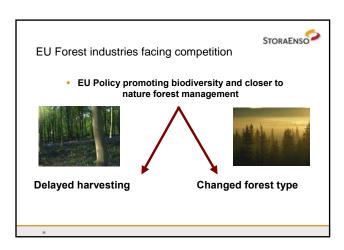
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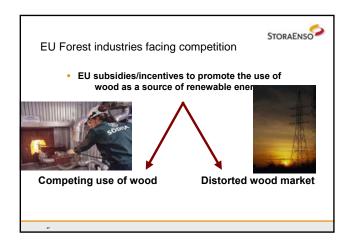
European Forestry Model: fragmented

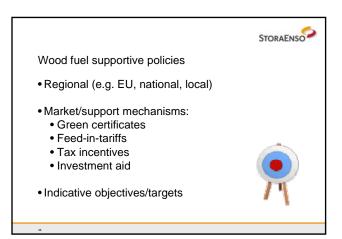
Fragmented forest ownership structure:
predominantly privately owned (16
million-family forest owners);
communes; States
Fragmented forest-related Institutions
Fragmented forest-related policies

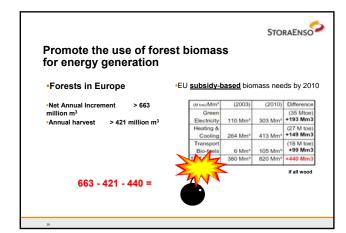


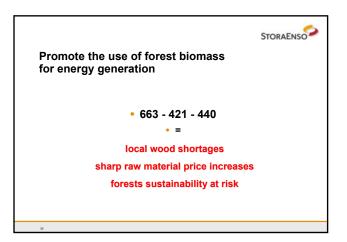


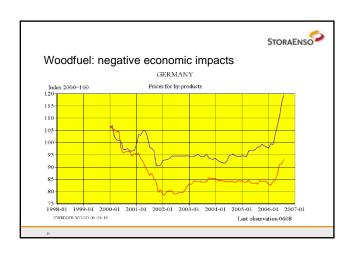


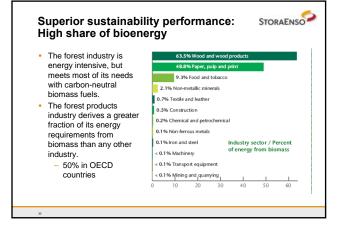


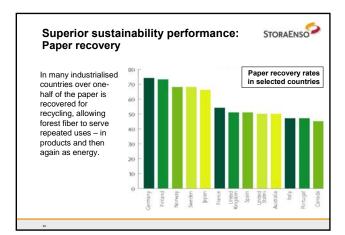


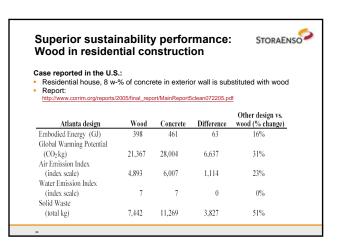


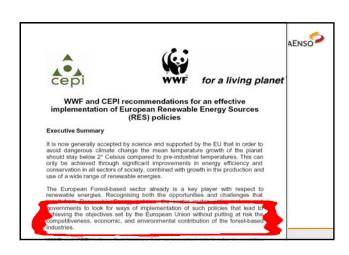




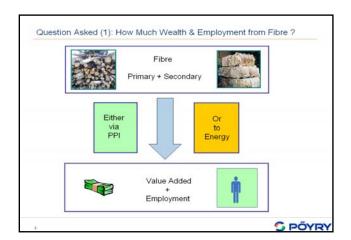


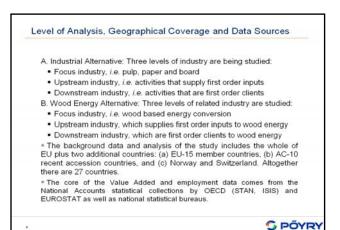


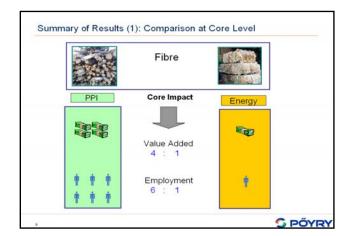


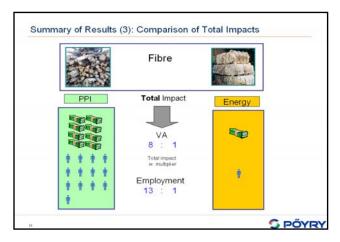


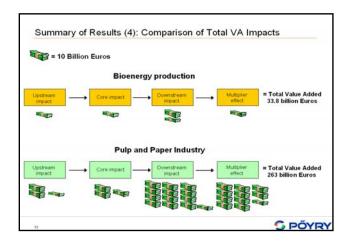


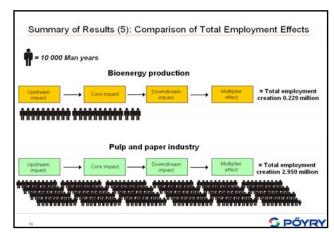












Summary - maintaining a competitive platform

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- Product demand
 - Stable growth, focus on new markets
 - Declining prices
- · Cost competitiveness
 - High wood costs eat especially into European industry competitiveness
 - Rising energy costs put also pressure on the competitiveness of manufacturing and logistics
- Forest industry sustainability performance is superior
- → What is the message to policymakers?

Key messages to policymakers (1)

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- · Policies should support demand growth
 - For example European building code standardizations
- Paper industry is capital intensive.
 - Economic policies should support fast capital turnover. This would, for example, help industry adopt new breakthrough energy technologies.
- Forest industry operates with a long term perspective.
 - Hastily enacted climate change policies can have unintended consequences on our future.
- Industry is pressed by high wood prices.
 - Policies should <u>not</u> discriminate against industrial wood use, for example through subsidies.
 - Policies should encourage forest owners to produce more wood to the market. (See example from Finland on following page.)

STORAENSO Raw material supply - policies matter Million m3 (ob) Finland has introduced new cutting rules, which are supported by national forest policy New rules have increased the AAC by nearly 20 Mm³ Annual harvesting is expected to increase by at least 15 Mm³ Biggest impact on pine harvesting New volumes are expected to come to the market over the next 10 years

Key messages to policymakers (2)

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- · Forest industry sustainability performance is superior.
- Policies which weaken our competitive position also work against sustainable economic development.
- Policies should recognize the carbon life cycle benefits associated with forest products.
- Policies should assist in the recovery of used wood and fiber.

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Appendix 1.

WBCSD and CEPI messages on carbon and bioenergy issues

Thank you for your attention!

WBCSD on carbon and climate change STORAENSO

Forest Products Industry - Responsible managers of carbon

- Our products store carbon, require less energy during their life cycle than most alternative products, and are highly recyclable.
 We use forest resources sustainably and efficiently.
- We meet most of our energy needs with biomass fuels.

- Our carbon challenges

 Hastily enacted climate change policies can have unintended consequences on our industry's
- We are capital intensive, making it difficult and expensive to change technology in response to short term policy measures.
 Our carbon opportunities
- Breakthrough technologies are needed to significantly reduce energy consumption within the industry
- The forest products industry can:

 - Become more energy efficient and increase its share of biomass in energy production;
 Help supply society with increasing amounts of wood and fiber for use as a raw material and for bioenergy; and for bioenergy;
 Strive to increase the use of recycled fiber.



WBCSD on carbon and climate change STORAENSO

Policy recommendations

- Policies should promote faster turnover of capital stock.
- · Policies must be balanced, and they must secure:
 - Adequate supplies of fresh fiber;
 - The carbon life cycle benefits associated with forest products;
 - An increase in the recovery of used wood and fiber.



CEPI core messages on bioenergy



- The pulp and paper industry is the biggest industrial user and producer of bio-energy in Europe. It has acknowledged expertise in Combined Heat and Power (CHP) and in efficient energy production from Renewable Energy Sources (RES).
- The cascade of raw material uses should be respected as a way to fully take advantage of the wood and paper economic value added, environmental benefits, and job creation potential.
- The incentives for biomass production should be proportionate and limited in time.
- Bioenergy policies should include incentives to the mobilisation of existing biomass resources, the activation of new biomass sources and the increase of production. (Production targets should be in line with the possibilities on the supply side.)
- Biomass should be sourced from responsibly managed forests regardless of its end-
- Efficiency of the energy production from biomass should be a priority and should be monitored in order to avoid wasting the resource.



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Appendix 2.

Sustainability in Stora Enso wood procurement

Wood, Renewable and Recyclable

- Stora Enso's Most Important Raw Material
- Stora Enso's business is based on wood, which is a renewable, recyclable and sustainable raw material Sustainable forestry is the fundamental basis for
 - Stora Enso's operations Wood procurement principles guide regional wood supply
 - Wood tracking systems document the origin of wood
 - Forest certification encouraged as a tool to verify and communicate sustainable forest management



Principles for Sustainable Wood and Fibre - Procurement and Land Management



- Applied globally in all wood and fibre procurement operations including:
 - Wood purchases and exchanges including imports and exports
 - Company owned or managed forests
 - Company owned or managed tree plantations
 - External pulp purchases and exchanges
- Balance the economic. environmental and social aspects of sustainability



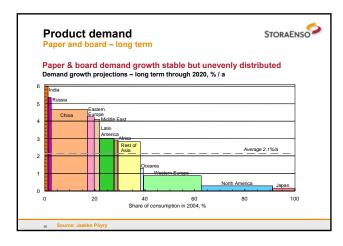
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Paper industry is very capital intensive. Key competitive advantage is derived from economies of scale – typically large, fast paper machines. Investments into paper mills are made with a long-term perspective. It is difficult and expensive to change technology in response to short term changes in the operating environment. Paper industry is also energy intensive. However, it can derive competitive advantage from, for example, efficient CHP production in pulp mills. Industry moves plenty of materials and is sensitive to fuel costs

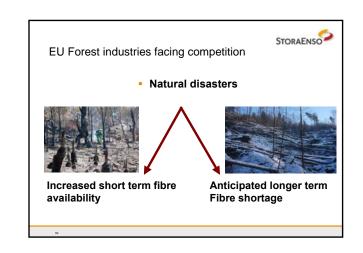
Manufacturing processes and logistics StoraEnso

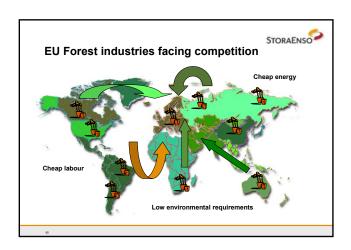
Superior sustainability performance – forest industry cornerstone

- STORAENSO
- Sustainability is built on environmental, economic and social pillars.
- · Industry is committed to sustainable forest management.
- Sustainable industrial utilisation of forest resources makes an important contribution to the rural economies. Around 60% of the jobs in the European pulp and paper industry are located in rural areas.
- Analysis of manufacturing processes and product lifecycles reveals the high level of sustainability performance of our industry (see following examples).

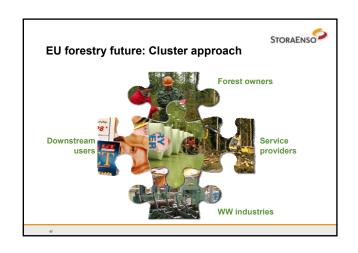


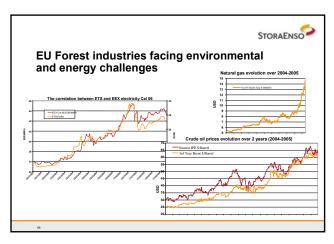
STORAENSO Bio-energy Scenario's and targets Reference document/source 2010 2020 2030 Communication "The Share of RE in the EU" (heat 66 Mtoes only) 330 Mm³ Biomass Action Plan 43 Mtoe 45 Mtoe 72 Mtoe 215 Mm³ 225 Mm³ European Renewable Energy Council - EREC (all 70 Mtoe 100 Mtoe 350 Mm³ 500 Mm³ European Environment Agency – EEA (environmentally compatible available woody 40 Mtoe 40 Mtoe 40 Mtoe 200 Mm³ 200 Mm³ 200 Mm³ biomass) 1Mtno- 5 Mm3











Cermany 2005 compared with 2002 The Total consumption of fiber inclusive bark and recycled has gone up with 23 Mio m3s The logging of sawlogs and industrial wood has gone up with 14,9 Mio m3s,meaning there are less volumes to be mobilized. The pulp and paper have increase the consumption with 3,4 Mio m3s,mainly through Stendal The sawmilling industry have raised the consumption with 6,9 Mio m3s. More sawmills are on the way now. The energetic consumption has gone up with 10,1 Mio m3s to a total level of 40 Mio m3s Just heating of houses consumes dubble the volume (20,7 Mio m3s) as pulp and paper and has increased with 8,4 Mio m3s Boardindustry consumes more than dubble the volume as pulp and paper industry.Board industry have raised consumtion with 3,3 Mio m3s Ther is a lack in the balance between local available on the market and consumption of 4,2 Mio m3s

Mio. fm		Mbila	anz 2	002 g	gü. 200	5, IN	\$	TORAE	NSO 4
Inlandsauf-kommen	2002	2004	2005 vorläuf.	≜ m³	Inlandsver- wendung	2002	2004	2005 vorläuf.	▲ m³
Stammholz	30,3	33,6	62,4	14,9	Holzschliff u. Zellstoff	6,4	8,5	9,8	3,4
Industrieholz	17,2	21,0			Holzwerk-stoffe	17,2	19,4	20,5	3,3
Waldrestholz	7,6	7,1	9,9	2,3	Säge-industrie	30,3	33,6	37,2	6,9
Sägeneben-produkte	10,4	11,8	13,0	2,6	Sonst. stoffl. Verw.	2,9	2,7	2,7	-0,2
Rinde	2,2	2,4	2,6	0,4	Energetisch > 1 MW	9,8	11,3	15,5	5,7
Sonst. IndRestholz	4,1	4,1	4,1	-	Energetisch < 1MW	3,4	3,6	3,6	0,2
Altholz	10,0	11,0	11,0	1,0	Hausbrand	12,3	12,3	20,7	4.2
Landschafts- pflegemat.	0,6	0,3	2,8	2,2	Hausbrand nicht bilanz.			-4,2	4,2
Insgesamt	82,4	91,4	105,8	23,4	Insgesamt	82,4	91,4	105,8	23,4