

**Presentation 2.3:** The sustainable forest products industry, carbon and climate change

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**Abstract**

Our carbon challenges:

- The connections between the forest products industry and the global carbon cycle are complex, and hastily enacted climate change policies can have unintended consequences on our industry's future.
- 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.
- To assist in the efforts to reduce society's energy use and greenhouse gas emissions, 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 fibre for use as a raw material and for bioenergy;
  - strive to increase the use of recycled paper.

Our policy recommendations

- Improvements in energy-and carbon-intensity can be accelerated by public policies that promote faster turnover of capital stock.
- Biomass energy is an important component of policies to control atmospheric Co<sub>2</sub>, but unless they are balanced, these policies could significantly impact the forest products industry. Policies must secure: adequate supplies of fresh fibre; the carbon life cycle benefits associated with forest products; - an increase in the recovery of used wood and fibre.



**FAO IEA ICFPA International Seminar on  
Energy and the Forest Products Industry**

**THE SUSTAINABLE FOREST  
PRODUCTS INDUSTRY,  
CARBON AND CLIMATE  
CHANGE**

**KEY MESSAGES for policy-makers**  
**Mikael Hannus, Stora Enso**

**Rome Oct 30/31, 2006**



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**Sustainable Forest Products Industry (SFPI)**

**Key messages for G8 policy-makers**

- **Our Actions**
  - **Responsible managers of carbon**
  - **Our carbon challenges**
  - **Our carbon opportunities**
- **Our policy recommendations**
  - **Maximize our contribution to reducing carbon emissions**



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## The Sustainable Forest Products Industry Responsible Managers of Carbon

**We supply products that:**



- store carbon
- require lower energy inputs during their life cycle than most alternative non-wood products, and
- are highly recyclable.

**We use forest resources sustainably and efficiently.**

**We are energy intensive, but meet most of our energy needs with carbon-neutral biomass fuels.**




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## Our Carbon Challenges

**The connections between our industry and the global carbon cycle are complex, and hastily enacted climate change policies can have unintended consequences on our industry's future.**

**We are capital intensive, making it difficult and expensive to change technology in response to short-term policy measures.**



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## Our Carbon Opportunities


**Breakthrough technologies are needed to significantly reduce energy consumption within the industry.**

**To assist in the efforts to reduce society's energy use and greenhouse gas emissions, the forest products industry can:**

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




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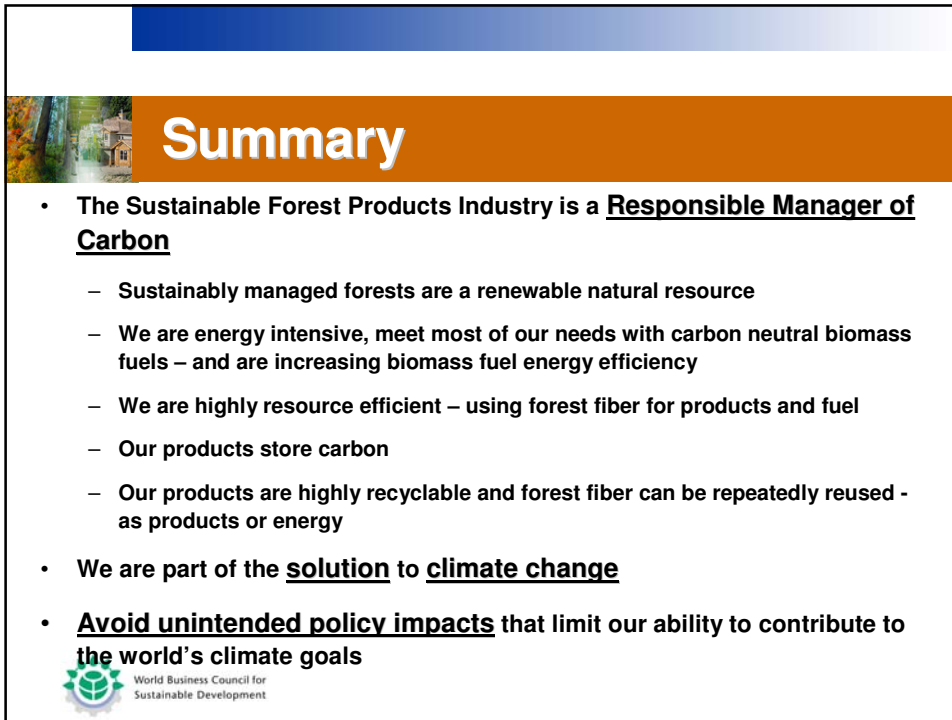


## Our Policy Recommendations

- 1. Improvements in energy- and carbon-intensity can be accelerated by public policies that promote faster turnover of capital stock.**
- 2. Biomass energy is an important component of policies to control atmospheric CO<sub>2</sub>, but unless they are balanced, these policies could significantly impact the forest products industry. Policies must secure:**
  - a. Adequate supplies of fresh fiber;**
  - b. The carbon life cycle benefits associated with forest products;**
  - c. An increase in the recovery of used wood and fiber.**




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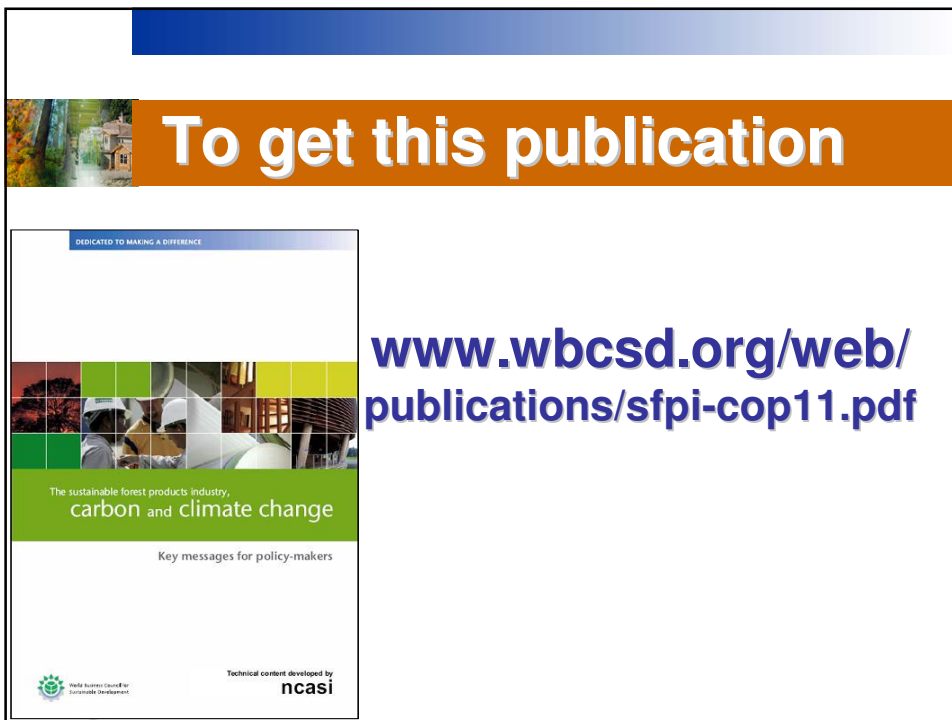


## Summary

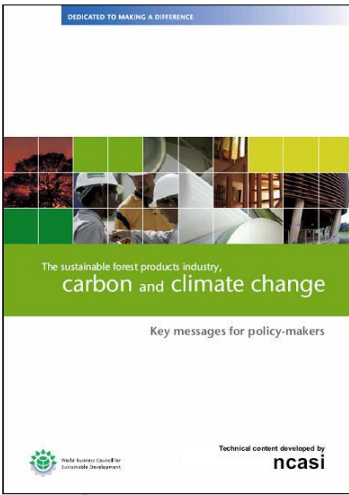
- The Sustainable Forest Products Industry is a **Responsible Manager of Carbon**
  - Sustainably managed forests are a renewable natural resource
  - We are energy intensive, meet most of our needs with carbon neutral biomass fuels – and are increasing biomass fuel energy efficiency
  - We are highly resource efficient – using forest fiber for products and fuel
  - Our products store carbon
  - Our products are highly recyclable and forest fiber can be repeatedly reused - as products or energy
- We are part of the **solution to climate change**
- **Avoid unintended policy impacts** that limit our ability to contribute to the world's climate goals



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## Sustainable Forest Products Industry (SFPI) Working Group

### Participants:

- Aracruz, Grupo Portucel Soporcel, International Paper, MeadWestvaco, Metsäliitto, Mondi International, Nippon Paper, Norske Skog, Oji Paper, SAPPI, Siam Pulp & Paper, Stora Enso, UPM, Weyerhaeuser
- Caterpillar, Global Forest Partners, Kimberly-Clark, P & G, EKA, Time Inc

### Mission:

- Global platform for leading companies to collaboratively define sustainability in the forest products industry – by focusing on
  - Sustainable Forest Management, Wood & Fiber sourcing
  - Energy, Carbon emissions & sequestration

### Approach:

- Collaborative relationships; Catalyze consensus building with other stakeholders;  
Individual and joint company leadership & action



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