Wood energy markets - recent developments and impact on forest markets

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1. Recent wood energy market development
2. Wood energy market interaction with forest markets in general
Wood energy markets in 07/08

- Soaring oil prices drive wood energy
- Wood pellet markets in recovery
- Heating market - the sleeping giant?
- Cellulosic ethanol development overview
Heating oil prices

- Sweden
- Germany
- Austria

[Tax & VAT]
[Price without taxes]
Wood energy & forest markets - interaction and impact
Forest biomass

- **FORESTRY**
  - Saw timber
  - Logging residues
  - Pulpwood

- **SAWMILL INDUSTRY**
  - Sawmill chips
  - By-products

- **BOARD INDUSTRY**
  - Plywood, fibreboards, particle boards

- **PAPER & PULP INDUSTRY**
  - Prod. of pulp & paper, also heat & electricity
  - Recycled paper

- **ENERGY SECTOR**
  - (Heat, electricity, fuels)

- **MARKETS FOR FINAL PRODUCTS**
Existing competition for forest biomass

• Pulpwood - paper or energy?

• Sawdust - fibreboards or pellets?

• Recovered wood: energy or fibreboard?
Price development

(assuming 1.5 MWh/m³ at 53% MC)
Future competition for forest biomass