

# Energy Policy – Interactions with Forestry Sector

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UNECE Committee for Sustainable Energy

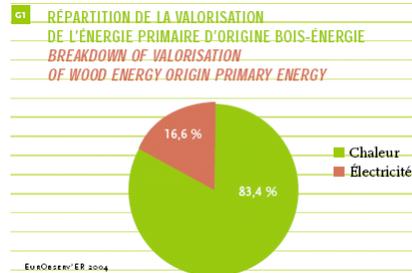
Swiss Federal Office of Energy

## Energy Policy – “3 E’s”

- **Energy Security of Supply**
  - Diversification (fuels and geographic sources)
  - Demand-side management
  - Infrastructure, transit
- **Economic Efficiency**
  - Market reform, competition, efficient pricing
  - International trade
- **Environment**
  - Local pollution
  - Climate Change

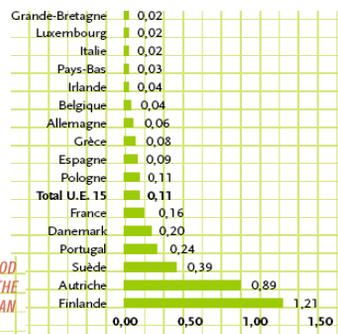
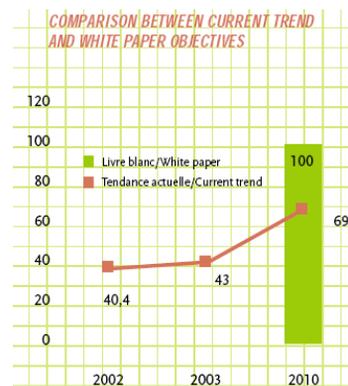
# Fuelwood Market Analysis

- **Energy use**
  - Type: Heat, electricity, cogeneration
  - End-use sector: Residential, communal, industrial
  - Systems: Decentralised, autoproducer, district heating
- **Energy prices & taxes**
  - Fuel competition (heating oil, natural gas, electricity/heat pumps)
  - “Indirect” competition: e.g. existing infrastructure (gas network); environmental urgency (hydropower)
  - Energy & CO2 taxes



# Biomass Promotion

- **EU**
  - Renewables, biofuels
  - CHP
  - Biomass action plan
  - Emissions trading
  - Energy taxation
- **National policies**
  - Precursors (Sweden, Finland, Austria...)
  - Policy drivers
    - Energy policy
    - Fiscal policy
    - Regional, local development
    - Employment



# Policy instruments

- Targets & timetables
- Renewables promotion (tariffs, quota, tenders)
- Energy tax reform – internalising externalities
- CO2 mitigation (e.g. cap & trade)
- RD&D
- Investment subsidies for biomass installations
- Information, advice, training (image, decision-makers, market players)

## Sector Interaction (incomplete)

