



Forests, Wood & Energy

Policy Developments Cooperation between the Timber and Sustainable Energy Committees

Kit Prins

Secretary

UNECE Timber Committee &

FAO European Forestry Commission



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Overview



1. Wood energy
2. Wood, energy and climate change
3. Relevant Timber Section activities
4. Cooperation with Sustainable Energy Committee



1. Wood energy

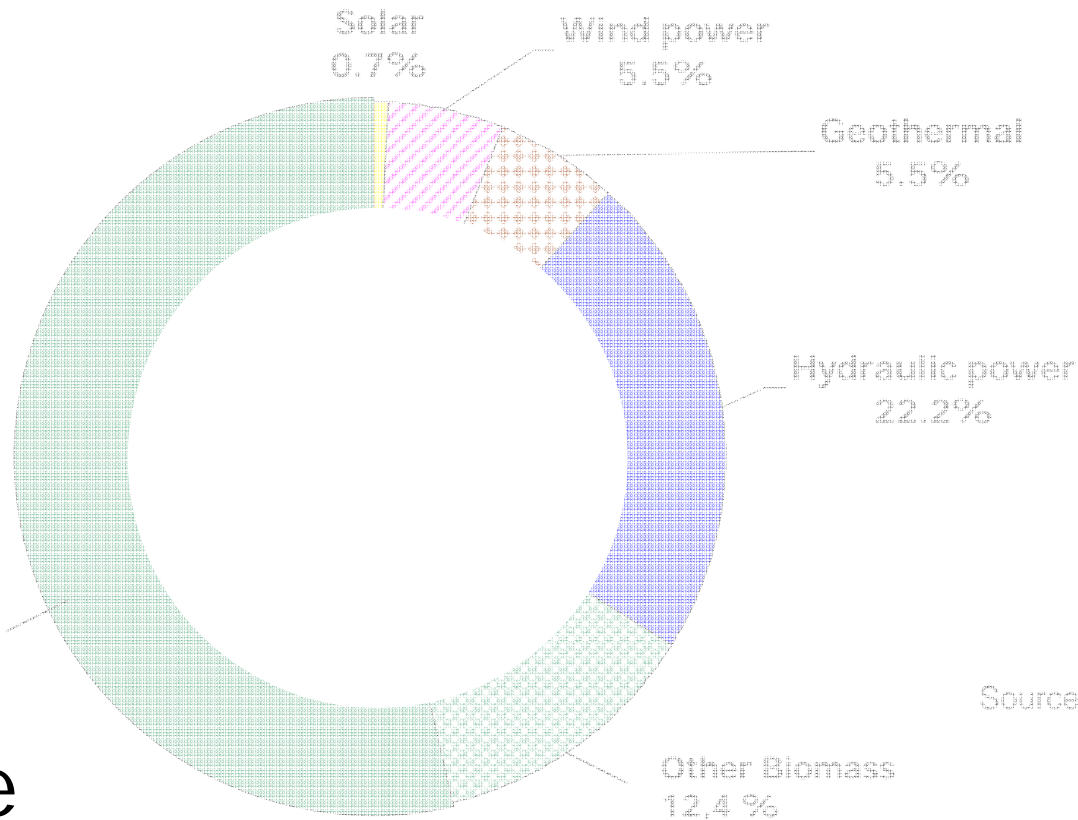


- Most important renewable energy source: worldwide & within UNECE region
- Expected to further increase its significance in Europe and North America, in light of renewable energy targets (EU-27: 20% by 2020)
- EU-27: 9% renewable energy of final energy consumption, 58% of which wood (2008 EuroStat data)
- Wood energy in EU-27: > 5% of total energy supply



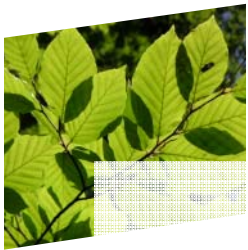
1. Wood energy

Renewable Energy Sources 2005



Source: EurObserv'ER

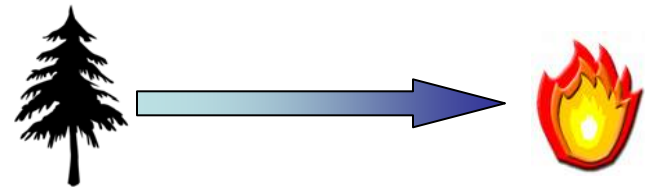
Wood most important source of renewable energy now



1. Wood energy: sources

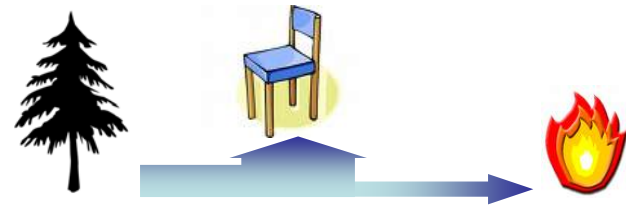
Direct:

Logging residues, thinnings, clearings,
short rotation coppice etc.



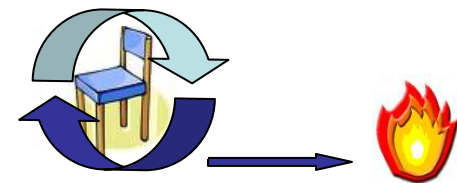
Indirect:

Co-products, enhanced/densified processed
wood fuels (pellets, charcoal, biofuels), etc.



Recovered:

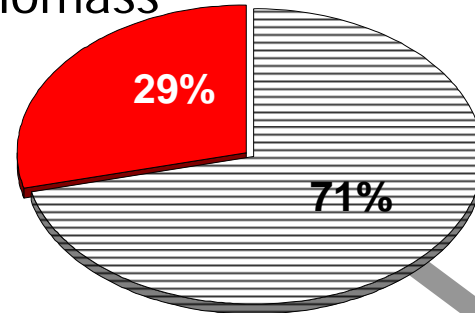
Post consumer recycled wood products (often
contaminated), construction, demolition, waste etc.



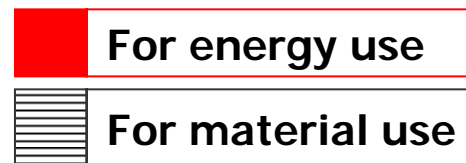
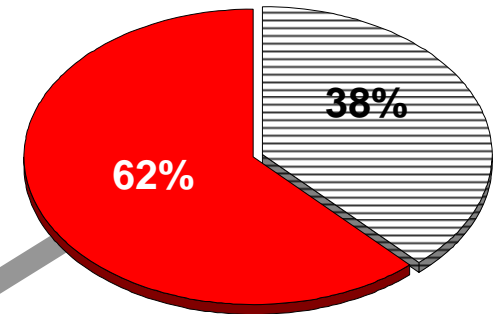
I. Wood energy: Fibre qualities are important

Share of wood used for energy and material use in the EU 27/EFTA region

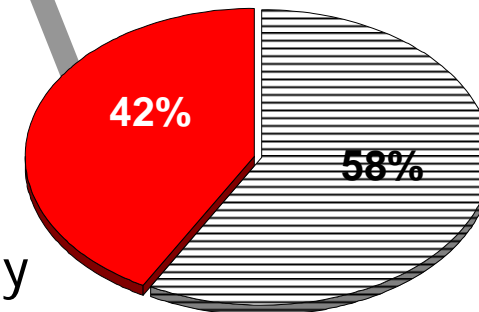
Wood removals 2005
from forest and woody biomass
outside forests



Wood co-products, residues
& recovered wood



Total supply



Source: UNECE / Hamburg University (2007)

2. Wood, energy and climate change



Important questions facing the forest sector:

- **Harvest and substitute** (wood energy or raw materials) **or sequester carbon in standing forests?**
- Which combination of the different options, to most effectively mitigate climate change?
- What is the amount of **potential sustainable wood supply?**
 - 332 million m³ wood used for energy in Europe in 2005
 - Additional 353 million m³ required, to meet 20% EU renewable energy target
- Which amount is **sustainable?** How to balance energy and industry demands with biodiversity conservation?
- Development of **sustainability criteria for biomass**
- Impact of **international trade** (pellets, chips, wood-based fuels)?



3. UNECE Timber Section activities



- **Improving quality of information & analysis:**
 - UNECE/FAO/IEA/EU Joint Wood Energy Enquiry (2nd in 2008)
 - Studies on wood availability, demand and potential wood supply
- **Stimulating Policy Dialogue:**
 - Addressing “Forests, energy and climate change” at the European Forest Week, 20-24.10.2008
 - Side event at UNFCCC COP 14 in Poznan: Carbon storage in Harvested Wood Products: Why bother?
- **Capacity Building:**
 - [Wood energy workshop in Serbia](#), December 2008;
 - [Workshop on Modern Wood Energy Systems and Markets](#)
- an opportunity for South East Europe, Romania, September 2008



4. Cooperation with the SE Committee



- Mutual information on developments in the field of renewable energy
- Information on access to funding opportunities
- [“The role of wood in green building”](#) workshop at the European Forest Week, Rome, 20 October 2008
- Energy Efficiency 21 (EE 21) project: Regional study in 12 countries for project “Financing energy efficiency investments for climate change mitigation”





Thank you for your attention !

For more information, please visit our website

www.unece.org/timber,

our wood energy page:

<http://www.unece.org/timber/mis/energy/welcome.htm>

or contact us:

UNECE/FAO Timber Section

Palais des Nations

CH - 1211 GENEVA 10

Tel.: +41-22-917 1286

Fax: +41-22-917 0041

E-mail: info.timber@unece.org

christopher.prins@unece.org, Tel: +41 (0) 22 917 24 84