



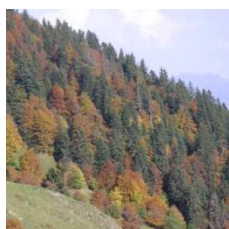
Wood energy

Modern and sustainable heat and power from woody biomass in South-Eastern Europe

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Outline



1. Forests and Energy: Interactions
2. How the Timber Committee addresses energy-related issues
3. Cooperation between the UNECE Sustainable Energy Committee and Timber Committee



1. Forests and Energy: close interactions

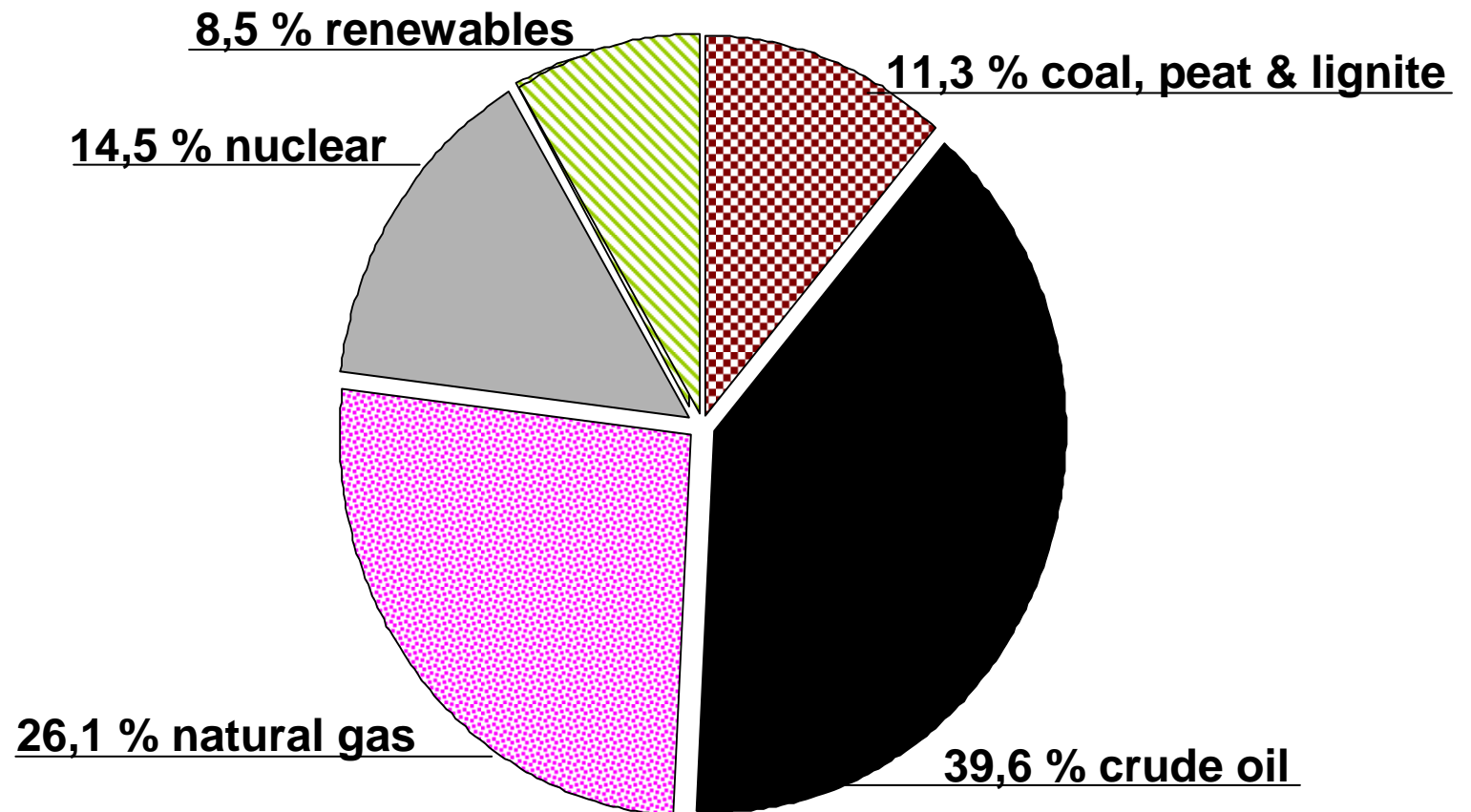


- Renewable energy policies and targets heavily influence the forest sector
- Forest sector policy should be shaped in cooperation with energy policy makers, and vice-versa, to help achieve a more renewable energy future, and shape an optimized climate change mitigation mix
- Modern wood fuel burning technology makes wood energy suitable for energy efficiency measures



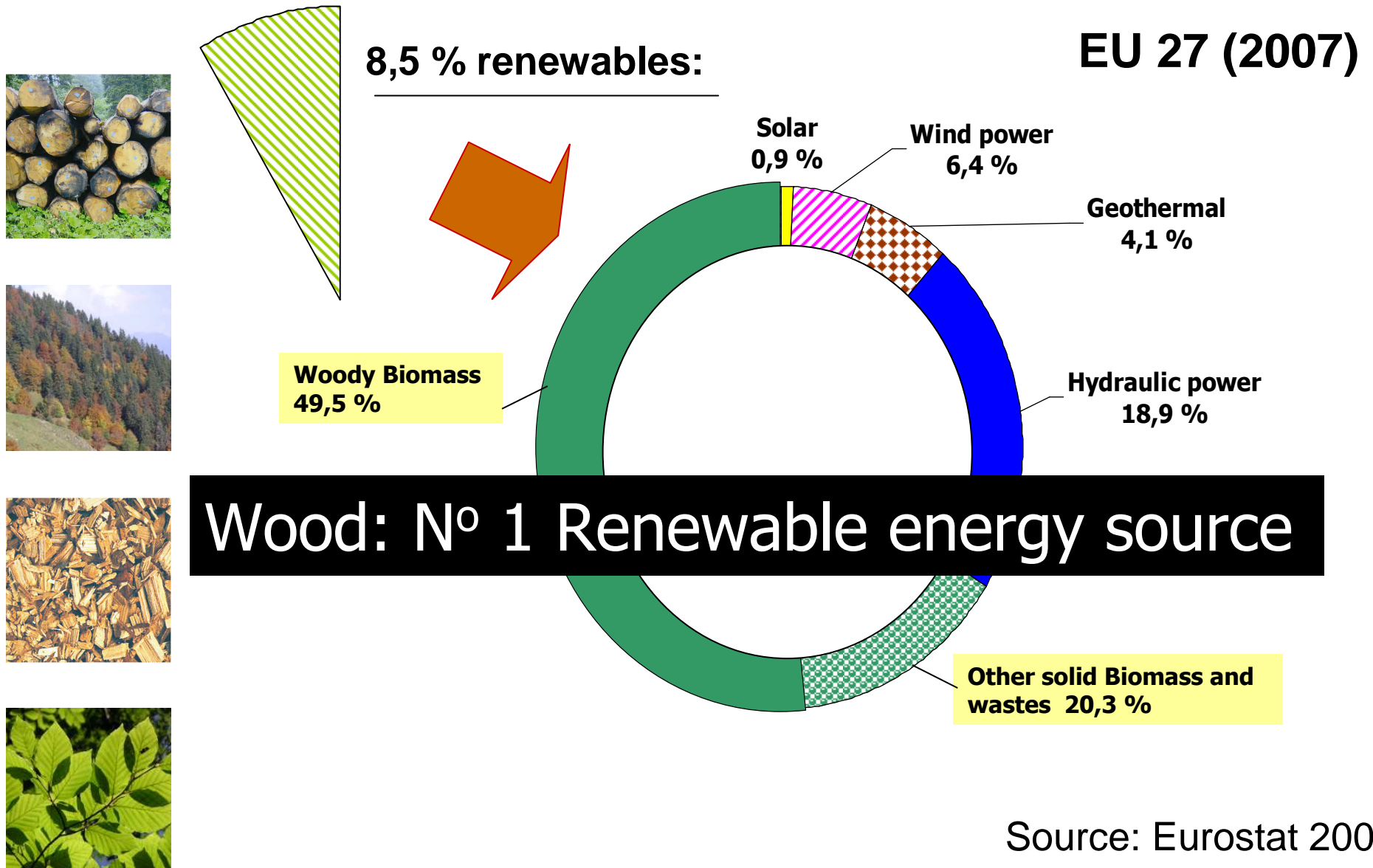
1. Forests and Energy: close interactions

Gross Inland Energy Consumption EU 27 (2007)



Source: Eurostat 2009

1. Forests and Energy: close interactions



2. UNECE/FAO Timber & Forestry: Background

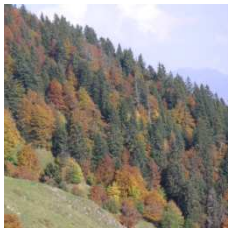


UNECE/FAO integrated programme of work on timber and forestry

- Objective: *To strengthen the forest sector and its contribution to sustainable development throughout the UNECE region*
- Joint secretariat in Geneva, Servicing UNECE Timber Committee and FAO European Forestry Commission
- Monitoring energy and climate change related issues: Priority for member States and stakeholders, reflected in work programme



2. UNECE/FAO and Forests & Energy



a) Analysing and explaining the consequences and opportunities of energy policy for the forest sector:

a) Sustainable Wood Mobilization

b) Wood Availability and Potential Wood Supply

c) Forest Sector Outlook Study

b) Data collection on wood energy

c) Capacity Building to improve the information base for sound (energy & forest) policy decision making



2. UNECE/FAO and Forests & Energy

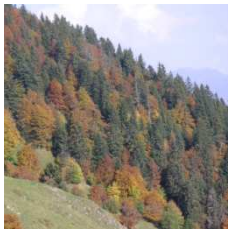


a) Analysing and explaining the consequences and opportunities of energy policy for the forest sector:

- o Workshops on Sustainable Wood Mobilization
- o Studies and seminars on Wood Availability and Potential Wood Supply
- o Forest Products Annual Market Review: Wood energy chapter
- o New Forest Sector Outlook Study (under development): „Wood energy scenario“ to answer question: „Is there enough wood to meet renewable energy targets?“



2. UNECE/FAO and Forests & Energy



b) Data collection on wood energy: 2nd Joint Wood Energy Enquiry 2007

- Confirmation of high wood use of energy
- First estimation of annual growth rate of wood fuel use between 2005 and 2007 (+3.5%)
- Improvement/establishment of communication between national energy and forestry bodies
- Improved country statistics
- Preparations are underway for JWEE 2009



2. UNECE/FAO and Forests & Energy

b) Data collection on wood energy: Trends – user

(Joint Wood Energy Enquiry 2007)



1 000 m ³	2005	2007	annual change
U1 Power and heat	26 557	36 525	+ 18.8%
U2 Industrial	46 873	48 952	+ 2.2%
U3 Residential	64 091	58 326	- 4.5%
U4 Other	...	3 257	...
Total	137 521	147 060	+ 3.5%

2. UNECE/FAO and Forests & Energy



c) Capacity Building to improve the information base for sound (energy & forest) policy decision making:

- o Romania, September 2008: "Modern wood energy systems and markets: an opportunity for South East Europe"
- o Serbia, December 2008: "Woody Biomass— the fuel of choice for Serbia"
- o Latvia, September 2009: "Current and future woody biomass for energy – Monitoring use and understanding technology"
- o Croatia, November 2009: "Policy Options for Wood Energy"
- o Belarus, June 2010: "Wood Energy in the CIS"



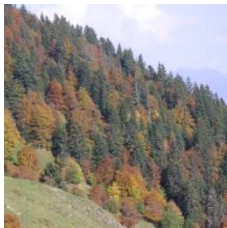
3. Cooperation with Sustainable Energy Division: General



- Information exchange between secretariats, with experts and networks
- Annual reporting to Committee sessions and to EE21 Steering Committee
- Contribution to „Seminar on Policy Reforms to Promote Energy Efficiency and Renewable Energy Investments,“ October 2009
- Cooperation on Green Building, comprising material- and energy-efficiency related concerns



3. Cooperation with Sustainable Energy Division: EE21 Project Proposal



- Joint Project Proposal “Modern and sustainable heat and power from woody biomass in South-Eastern Europe:”
 - Demonstrating the feasibility of converting municipal heat and power systems in the Western Balkans to woody biomass
 - Laying foundation for future investment projects
 - Detailed project proposals for one or two municipalities in each of the participating countries



3. Cooperation with Sustainable Energy Division: EE21 Project Proposal



- Joint Project Proposal “Modern and sustainable heat and power from woody biomass in South-Eastern Europe”
 - Following request by EE21 Steering Committee, May 2008
 - Reviewed by Steering Committee, May 2009 and Timber Committee, October 2009
 - Your ideas for funding, partnerships and development are being welcome!



Thank you!

For more information, please contact us:



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Please find more information on our website:
...on UNECE/FAO Forestry & Timber: **www.unece.org/timber**



....on **wood energy**:
<http://timber.unece.org/index.php?id=238>

....on **climate change and the forest sector**:
<http://timber.unece.org/index.php?id=214>



UNECE EE21 Steering Committee , 11 June 2010

