

# Forests and Energy

Cooperation  
between the UNECE Timber Committee  
and  
the Committee on Sustainable Energy

Franziska Hirsch  
UNECE/FAO Timber Section

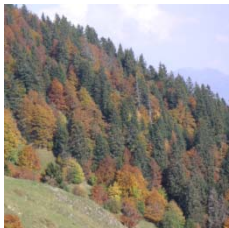


# Outline

---

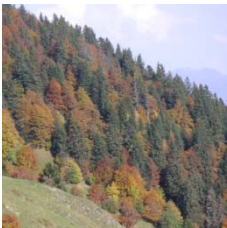


1. Forests and Energy: Interactions
2. How the Timber Committee addresses energy-related issues
3. Cooperation between the UNECE Sustainable Energy Committee and Timber Committee



# 1. Forests and Energy: close interactions

---

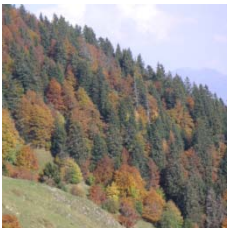


- Renewable energy policies and targets heavily influence the forest sector
- Modern wood fuel burning technology makes wood energy suitable for energy efficiency measures
- Forest sector policy should be shaped in cooperation with energy policy makers, and vice-versa, to help achieve a more renewable energy future, and shape an optimized climate change mitigation mix
- MCPFE Warsaw resolution 1: „Forests, wood and energy“



# 1. Forests and Energy: close interactions

---



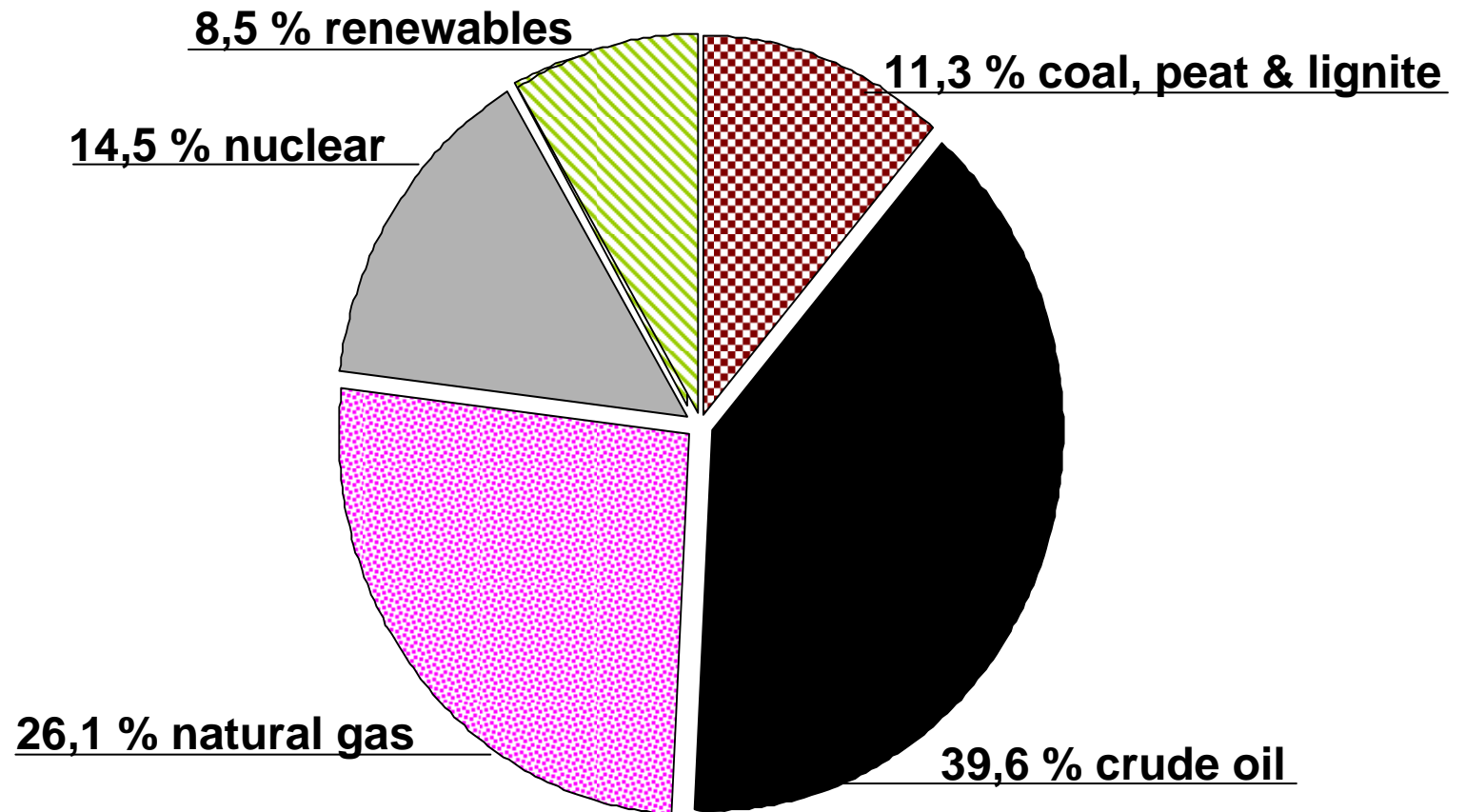
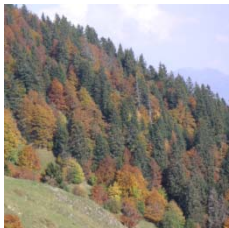
- Woody biomass at present: most important most renewable energy source
- Important functions of forests for climate change mitigation to be considered by (energy & forest) policy makers:
  - carbon sequestration in forest ecosystems, including primary forests (biodiversity)
  - carbon storage in harvested wood products



# 1. Forests and Energy: close interactions

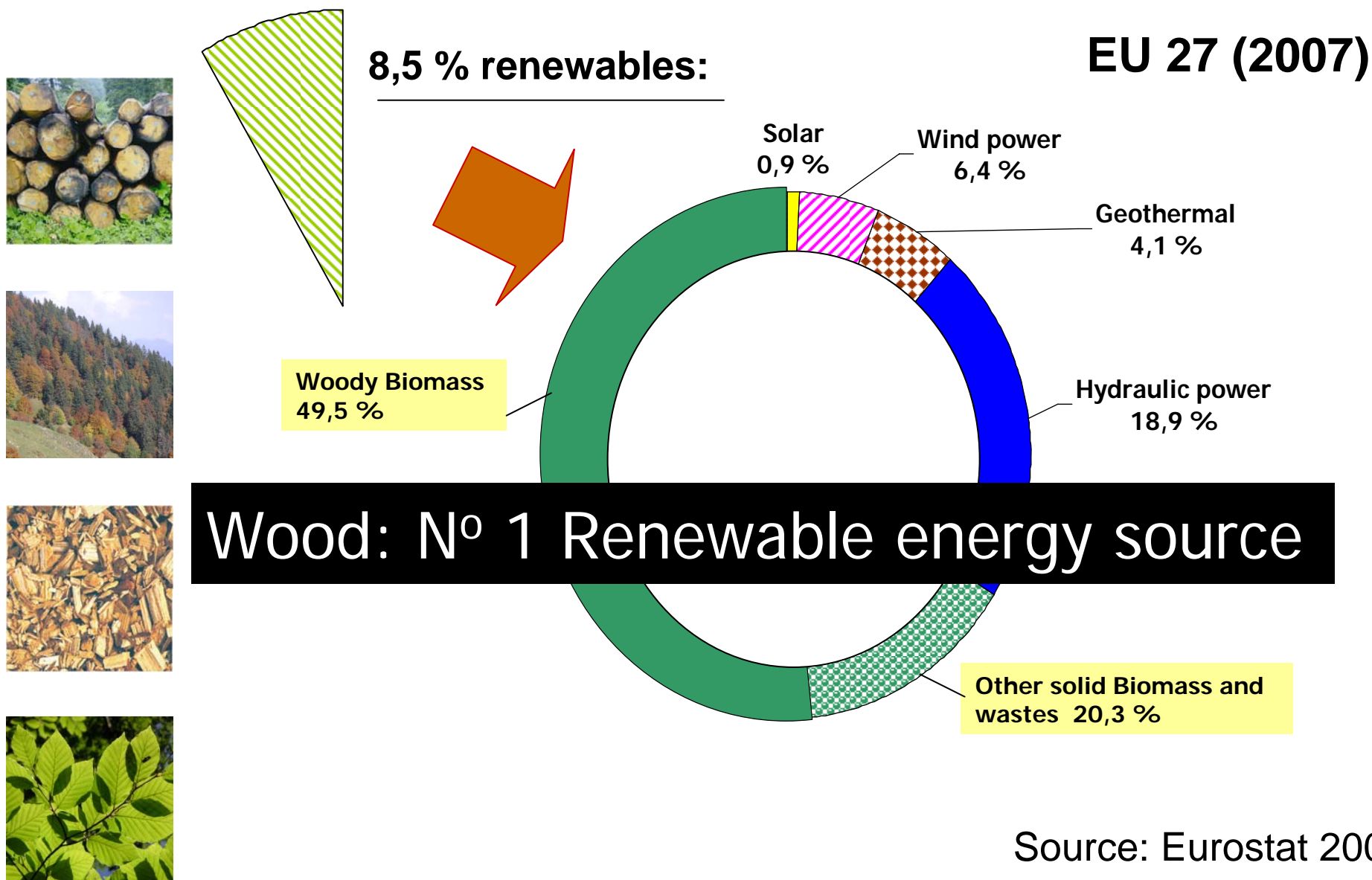
---

## Gross Inland Energy Consumption EU 27 (2007)



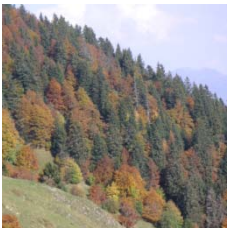
Source: Eurostat 2009

# 1. Forests and Energy: close interactions



## 2. UNECE/FAO Timber & Forestry: Background

---



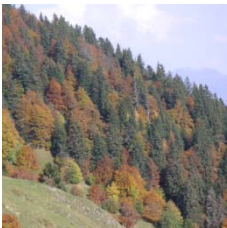
### UNECE/FAO integrated programme of work on timber and forestry

- 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

---



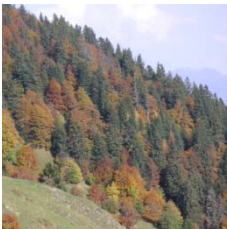
- a) Forging the dialogue between energy and forestry policy makers, specialists, statisticians
- b) Analysing and explaining the consequences and opportunities of energy policy for the forest sector:
  - a) Sustainable Wood Mobilization
  - b) Wood Availability and Potential Wood Supply
  - c) Forest Sector Outlook Study with RES scenario
- c) Data collection on wood energy
- d) Capacity Building to improve the information base for sound (energy & forest) policy decision making



## 2. UNECE/FAO and Forests & Energy

---

### a) Forging the dialogue between energy and forestry policy makers, specialists, statisticians:

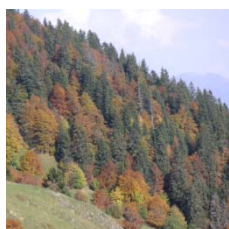


- o „Forest and Energy“ plenary session at European Forest Week 2008
- o „Harvested Wood Products in the Context of Climate Change Policy“, 2008
- o Workshop on National Wood resource balances, April 2008
- o Assisting in the development of national renewable energy Action Plans, e.g. through „Best practice guidance on sustainable wood mobilization“, joint with European Commission and MCPFE, 2009



## 2. UNECE/FAO and Forests & Energy

---



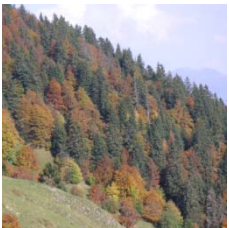
### **b) Analysing and explaining the consequences and opportunities of energy policy for the forest sector:**

- o Forest Products Annual Market Review: Wood energy chapter
- o Workshops on Sustainable Wood Mobilization
- o Studies and seminars on Wood Availability and Potential Wood Supply
- 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

---



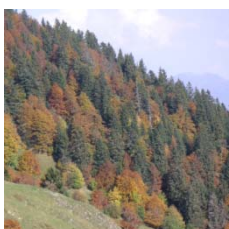
- c) Data collection on wood energy: 2nd Joint Wood Energy Enquiry 2007**
- Confirmation of high wood use of energy
  - First estimation of annual growth rate of wood fuel use between 2005 and 2007 (+3.5%)
  - Improvement/establishment of communication between national energy and forestry bodies
  - Improved country statistics



## 2. UNECE/FAO and Forests & Energy

### c) Data collection on wood energy: Trends – user\*

#### (Joint Wood Energy Enquiry 2007)

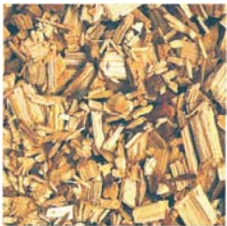
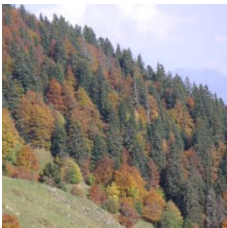


1 000 m <sup>3</sup>	2005	2007	annual change
U1 Power and heat	26 557	36 525	+ 18.8%
U2 Industrial	46 873	48 952	+ 2.2%
U3 Residential	64 091	58 326	- 4.5%
U4 Other	...	3 257	...
<b>Total</b>	<b>137 521</b>	<b>147 060</b>	<b>+ 3.5%</b>

\* without Canada

## 2. UNECE/FAO and Forests & Energy

---



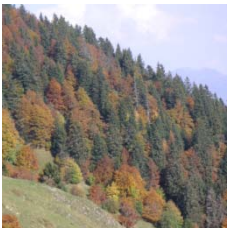
### d) Capacity Building to improve the information base for sound (energy & forest) policy decision making:

- 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, spring 2010: Wood Energy



# 3. Cooperation with Sustainable Energy Division: General

---

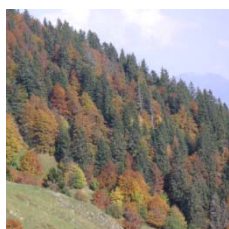


- Information exchange between secretariats, with experts and networks
- Annual reporting to Committee sessions and to EE21 Steering Committee
- Contribution to „Seminar on Policy Reforms to Promote Energy Efficiency and Renewable Energy Investments,“ October 2009
- Cooperation on Green Building, comprising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



# 3. Cooperation with Sustainable Energy Division: EE21 Project Proposal

---

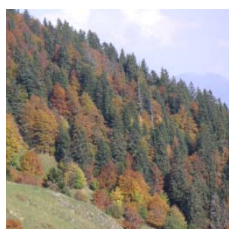


- Joint Project Proposal “Modern and sustainable heat and power from woody biomass in South-Eastern Europe:”
  - Demonstrating the feasibility of converting municipal heat and power systems in the Western Balkans to woody biomass,
  - Detailed project proposals for one or two municipalities in each of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

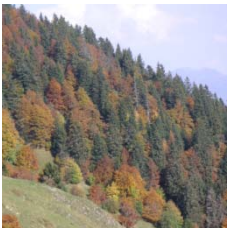
---

For more information, please do not hesitate to contact us:

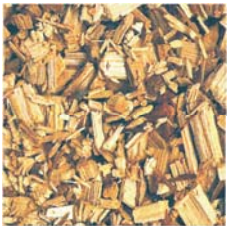


Franziska.Hirsch@unece.org, Tel. +41 22 917 24 80

Please find more information on our website:



...on UNECE/FAO Timber & Forestry: [www.unece.org/timber](http://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>

