















#### Overview of UNECE activities on wood energy

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**EU4Energy Vienna Policy Forum: Bioenergy** 

24 April 2018, Vienna, Austria

**Energy Community Secretariat headquarters** 





### **Outline**



- ➤ Who are we?
- > Why do we work on wood energy?
- ➤ What do we do?
  - Data collection
  - Capacity building
  - Assessment
  - > Education
- ➤ Where do we go?







- ➤ Who are we?
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# **Economic Commission for Europe**

- ... Established in 1947, first regional commission of the United Nations
- ... is a multilateral platform which facilitates greater economic integration and cooperation among its fifty-six member States
- ... promotes sustainable development and economic prosperity





# **Forestry and Timber Section**

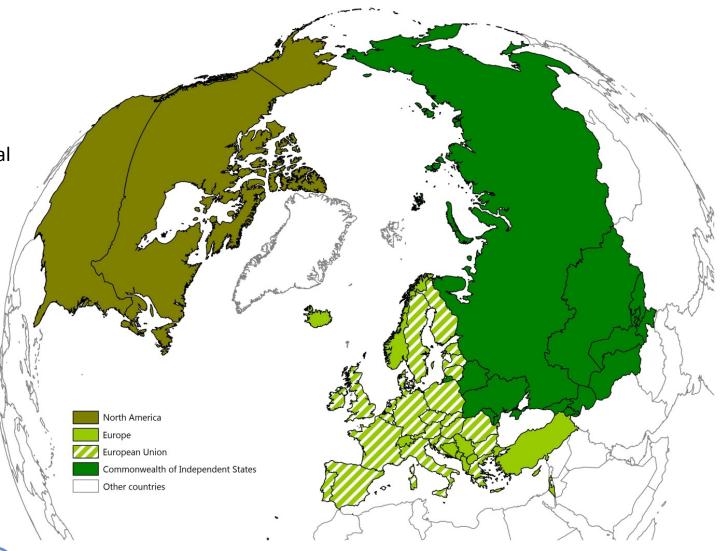
#### **Regional Scope**

The forest in the UNECE region covers:

• 41 % of the global total

• 85% certified area

60% industrial roundwood









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# We collect wood energy data, because...

...wood energy is the most important single source of renewable energy in the world – and in the UNECE;

...wood fuels are important for the forest based sector;

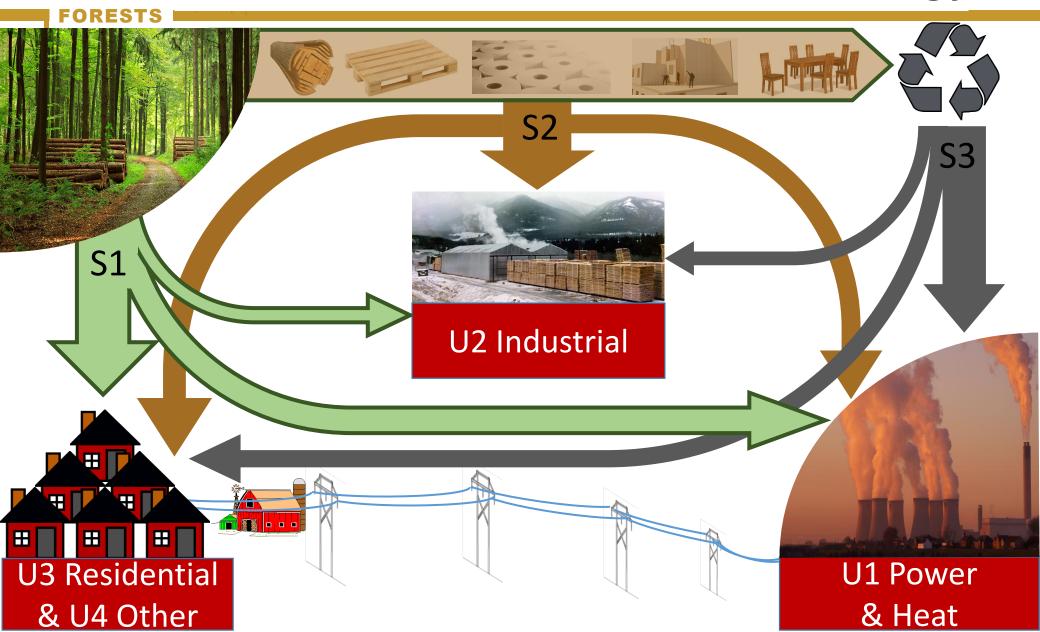
...no reliable data available in harmonized form;

...more details required than total consumption only.





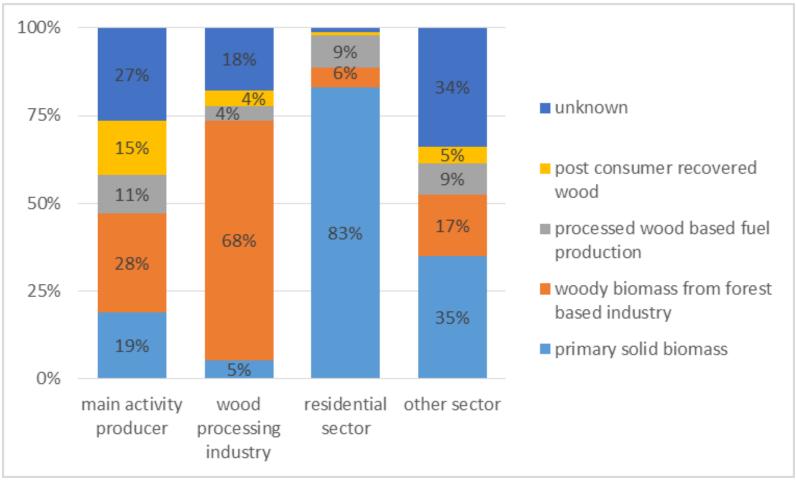
# Sources and User of wood for energy





# JWEE 2015: wood portfolio











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# Table IV – main structure

Fully complementary and compatible with the energy questionnaires (IEA/Eurostat)

USES

U1
Power & heat DQ Industrial DQ Residential DQ Other

S1 Direct
S2 Indirect
S3 Recovered
S4 Unspecified

Fully compatible with the energy questionnaires (IEA/Eurostat)





# **Joint Wood Energy Enquiry**

**Table I:** Availability of the raw material (P+I-E)

**Table II:** Production of processed wood based fuels (P+I-E)

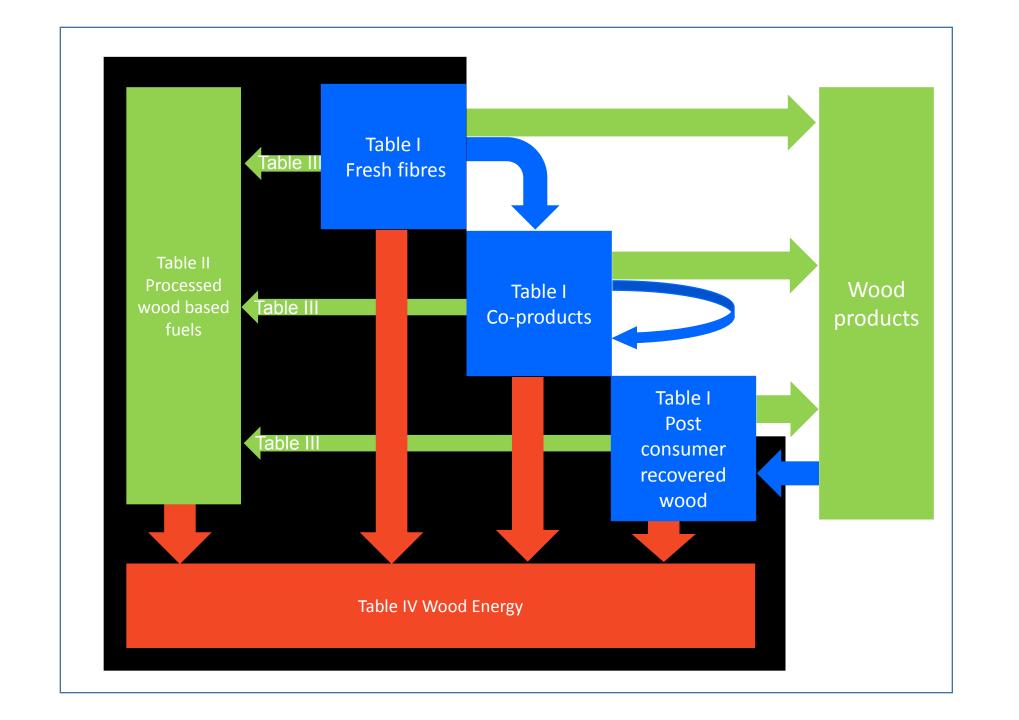
Table III: raw material used for wood based fuels production

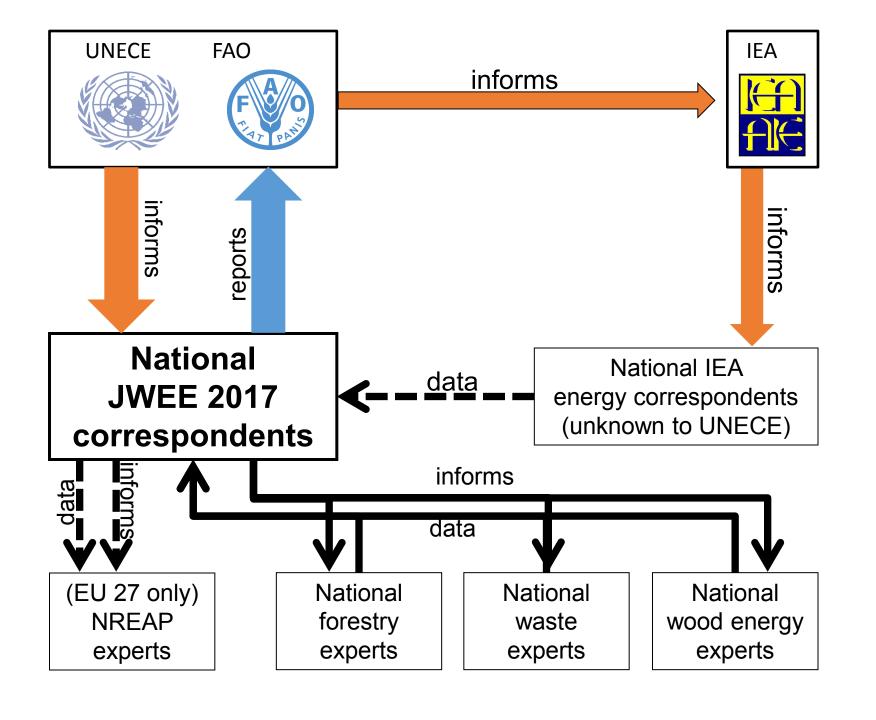
Table IV: consumption of wood for energy by sectors and

source



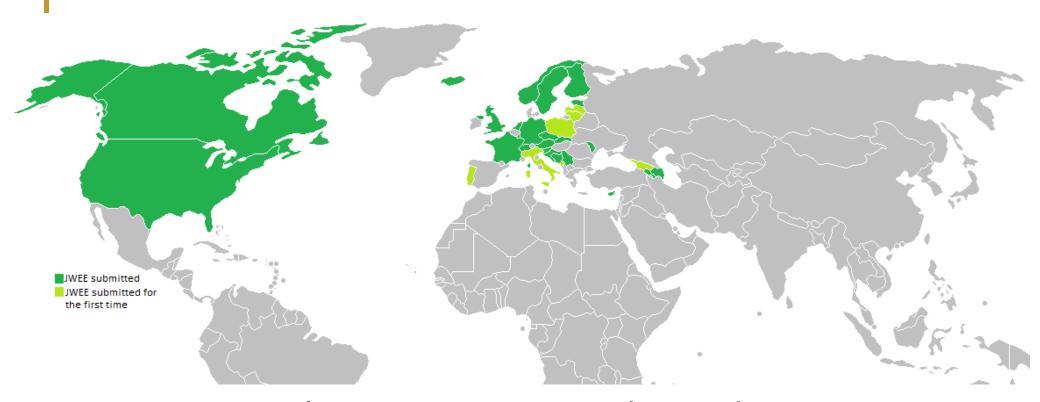








# **Coverage of the JWEE 2015**



31 member states reported wood energy consumption in table IV







# **EU4Energy coverage 2005-2015**

**FORESTS** 

Country	2005	2007	2009	2011	2013	2015
Armenia	NC	NC	-	В	А	А
Azerbaijan	NC	-	-	-	Α	Α
Belarus	-	-	I	-	-	-
Georgia	-	-	-	-	-	Α
Kazakhstan	NC	NC	-	-	-	В
Kyrgyzstan	NC	-	-	-	-	-
Moldova	-	-	-	-	А	А
Tajikistan	-	-	-	-	-	-
Turkmenistan	-	-	-	-	-	-
Ukraine	NC	-	-	Α	-	-
Uzbekistan	-	-	-	-	-	-

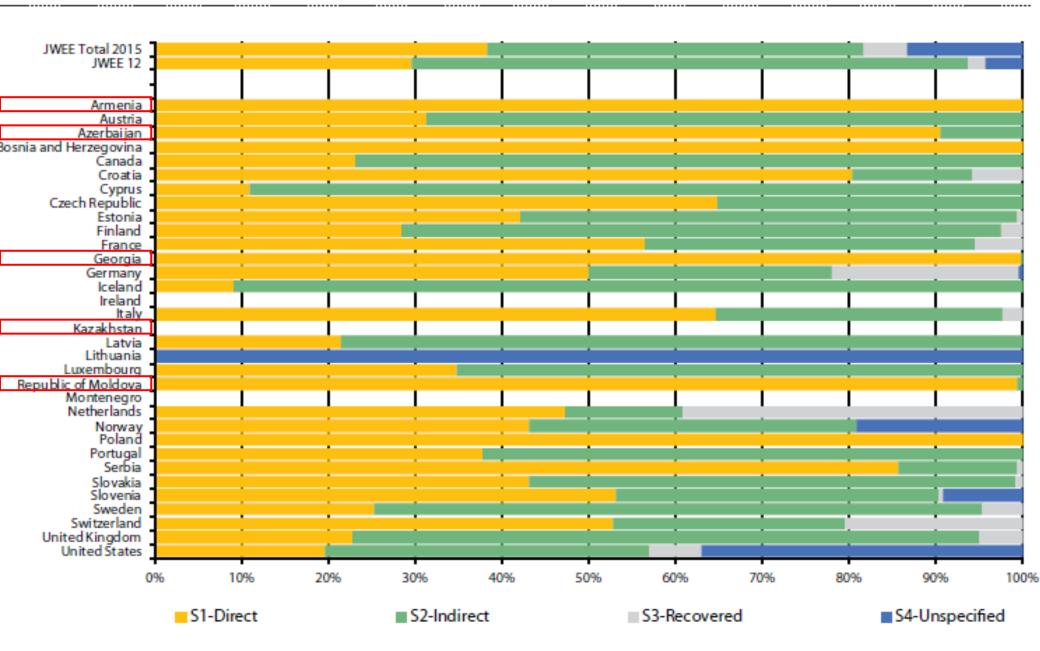
A: good dataset. Table IV filled

B: partial dataset. Table IV not filled

**I:** insufficient data

NC: no capacity

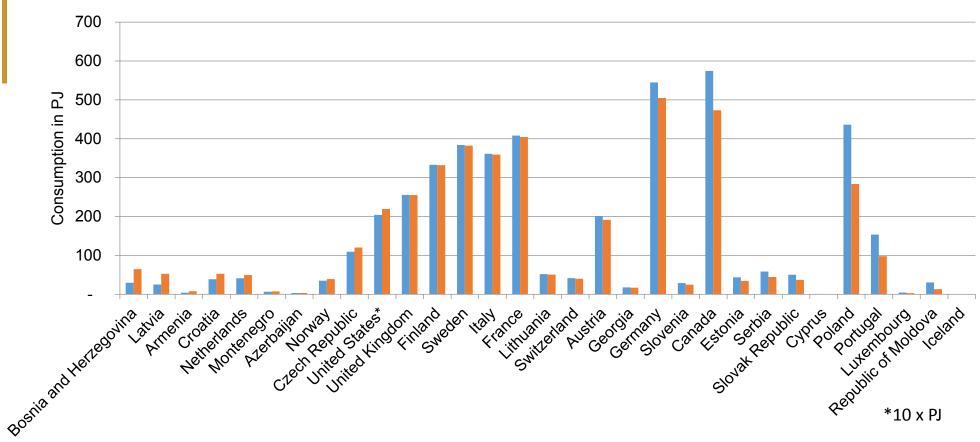
-: no response



Note: JWEE 12: Austria, Cyprus, Finland, France, Germany, Ireland, Luxembourg, Serbia, Slovenia, Sweden, Switzerland and United Kingdom.

### Statistical differences





■ Wood energy in JWEE 2015
■ Solid biofuels from IEA renewable energy questionnaire



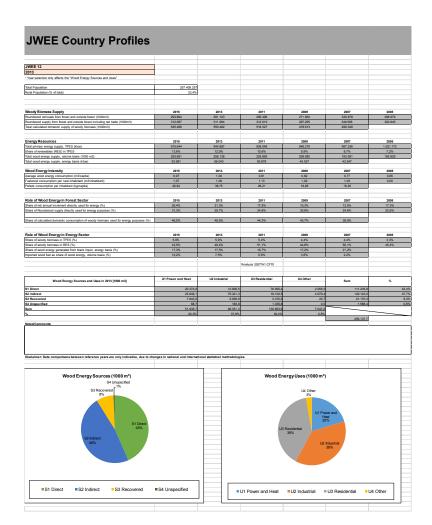


#### **FORESTS**

## **Data access**









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# Workshop on Bioenergy from the Forest Sector - Capacity Building for Information

**FORESTS** 









- 45 participants, 21 countries
- Funded by FAO Forestry Department and IRENA
- Supported by FAO
   Regional Office Europe
   and participation from IEA
   and Energy Community
- Small group work (4)





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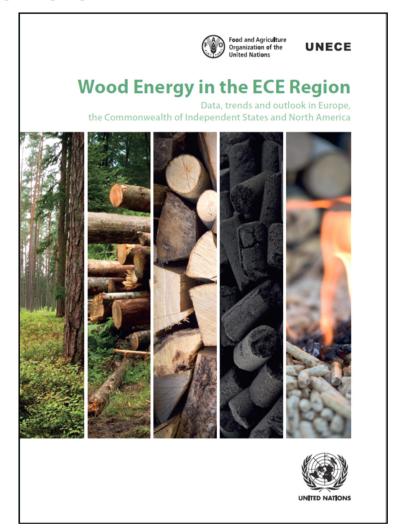


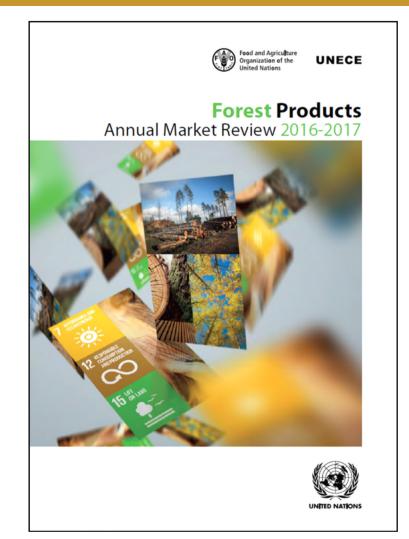


# (Market) analysis



#### **FORESTS**









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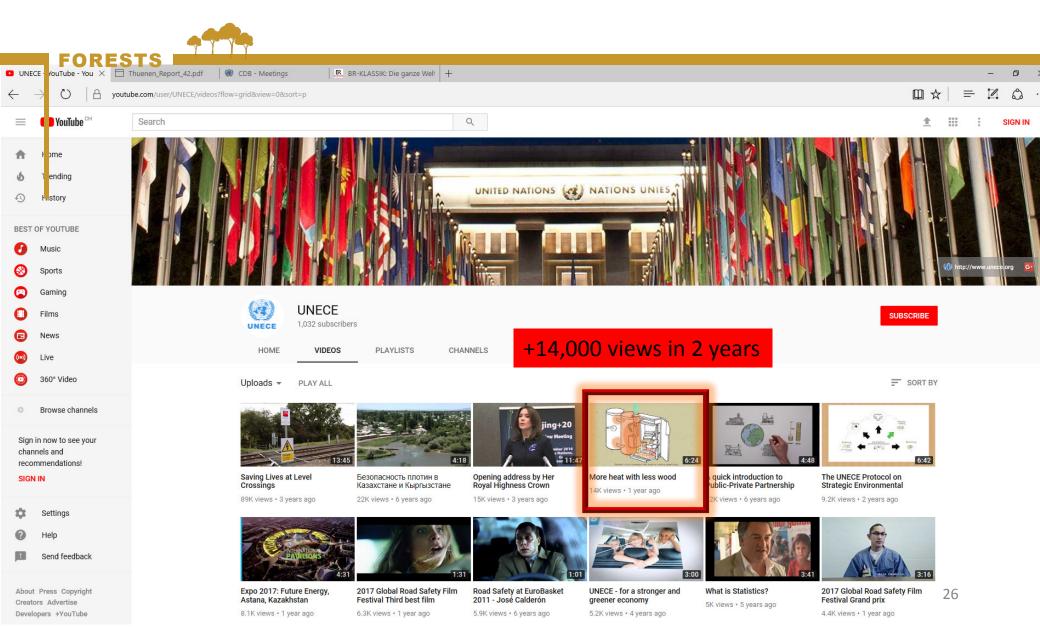




Available in Albaninan, English (Russian subtitle), Georgian, Romanian and Turkish. Serbian is under preparation

Weblink: <a href="https://www.youtube.com/watch?v=9z-EGVeKTrc">https://www.youtube.com/watch?v=9z-EGVeKTrc</a>

### **Education**



#### **FORESTS**



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# The way ahead



- 24 May 2018 Thematic session on residential heating (<a href="http://www.unece.org/index.php?id=45535">http://www.unece.org/index.php?id=45535</a>)
- Issue JWEE 2017
- Further improve cross-sectoral cooperation
- Work with your countries
- Build more capacities

# The Global Framework

#### **Sustainable Development Goals - SDGs**



















# Thank you!

**FORESTS** 



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24 April 2018, Vienna, Austria



