

# Joint Wood Energy Enquiry (JWEE)

## Preliminary results for the reference year 2021\*

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\*preliminary data as of May 2023

# Outline

1. Submissions to the JWEE
2. Preliminary Results

## 2. Submissions to the JWEE

### JWEE 2021

- **Total: 23 submissions**
  - 21 member states filled table IV
  - 11 member states filled table III
- 9 member states that provided data in 2019 didn't provide data in 2021
  - 4 member states resumed submitting data

// preliminary data as of May 2023

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### Timeline

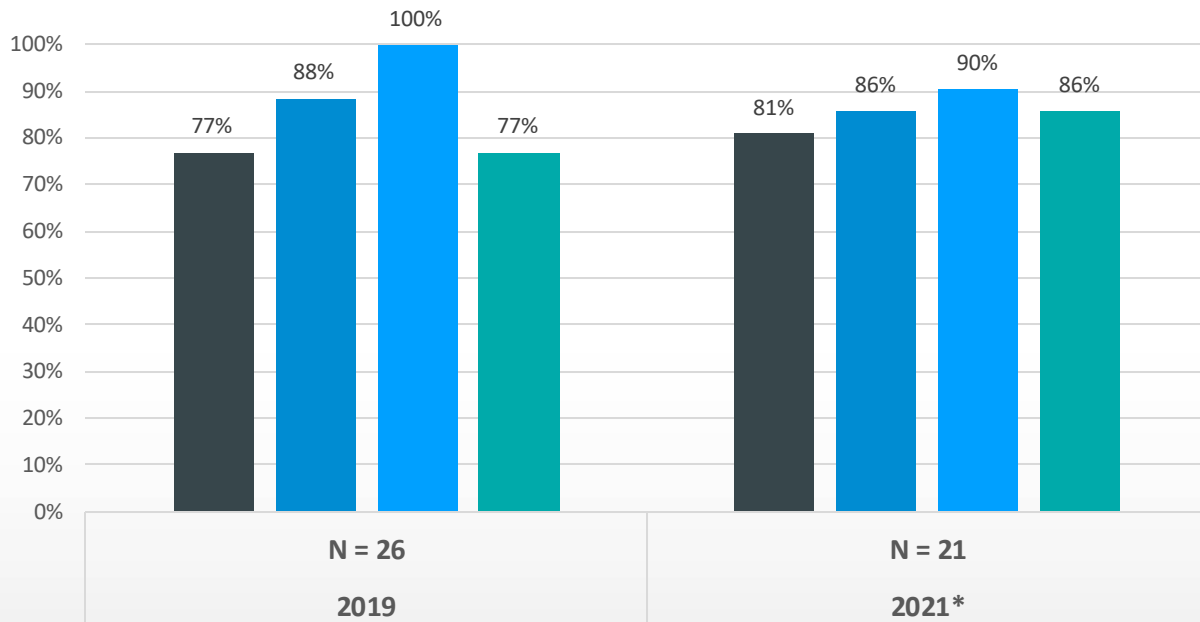
#-number of countries in database with wood energy use in table IV



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## 2. Submissions to the JWEE

Shares of member states with information on sectors



■ Power and heat sector

■ Industry sector

■ Residential sector

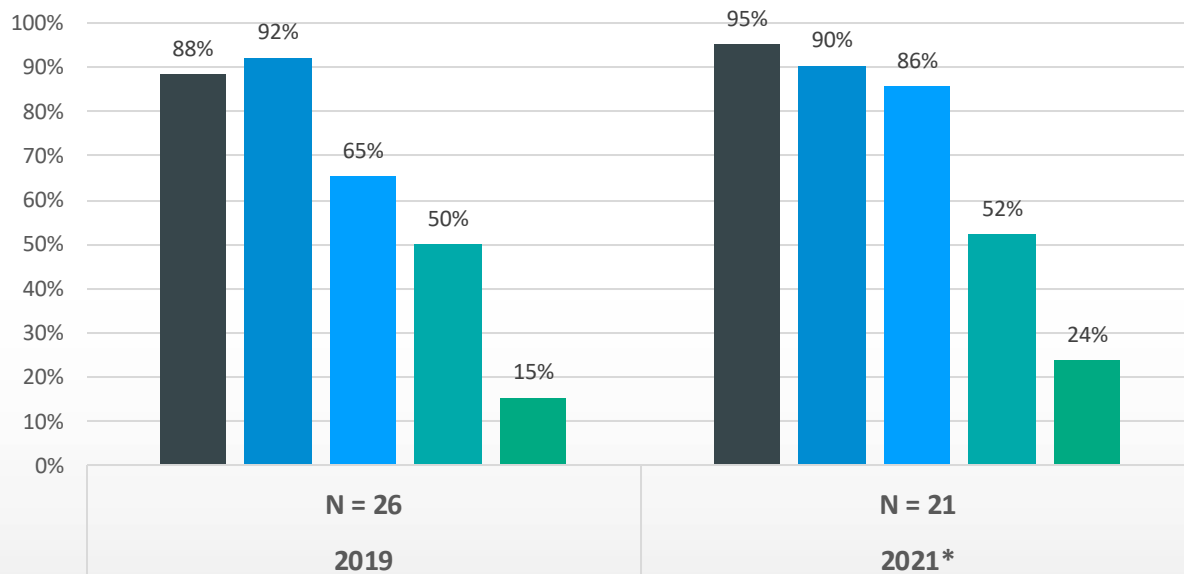
■ Other final energy consumption

- Member states do have **good information on sectors** that consume wood energy

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## 2. Submissions to the JWEE

Shares of member states with information on forest products sources



- Direct sources: primary solid biomass
- Indirect sources: Wood processing industry
- Indirect sources: Processed wood based fuels
- Post-consumer recovered wood
- Unknown sources

- In 2021 **most member states did report** data on wood sourced from
  - Direct sources
  - Indirect sources
    - ...wood processing industry
    - ...processed wood based fuels
- Data on **post-consumer recovered** wood is available in almost half of the member states
- The share of wood energy sourced from **unknown sources** increased

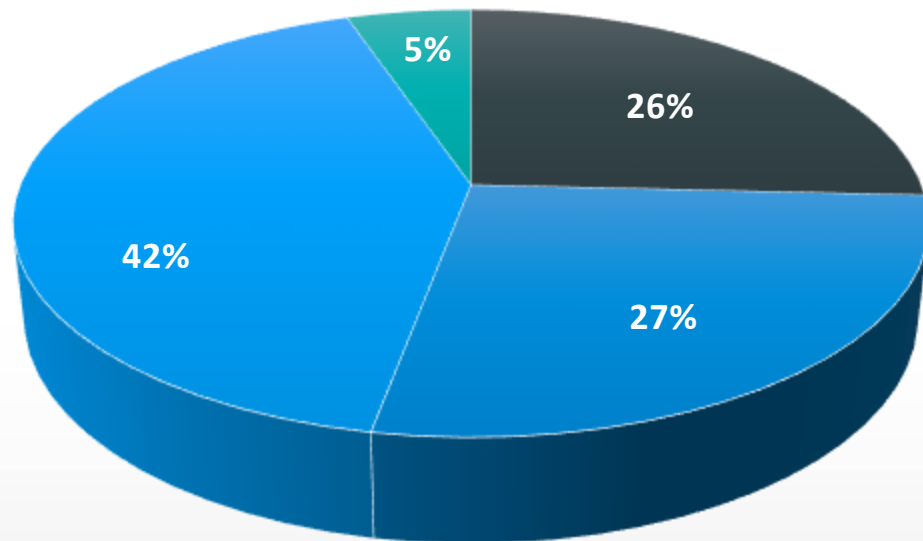
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# Outline

1. Submissions to the JWEE
2. Preliminary Results

### 3. Preliminary Results

Total wood energy use



■ Power and heat sector

■ Industry sector

■ Residential sector

■ Other final energy consumption

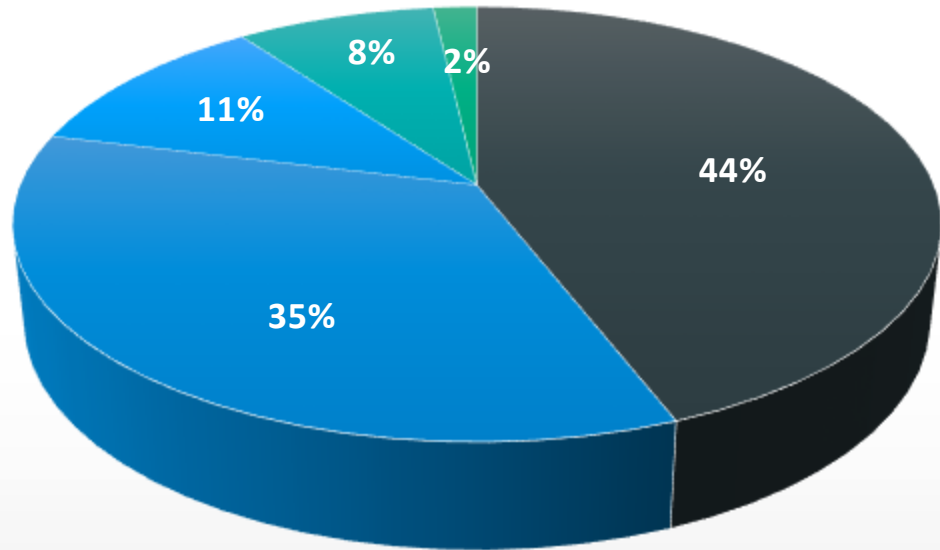
- In **2021** a total of **370 million m<sup>3</sup>** of **wood resources** have been used for energy generation in the 21 participating member states
- The largest wood energy consuming sectors were
  1. the **residential sector**
  2. the **industry sector** and
  3. the **power and heat sector**.

\*preliminary data as of May 2023



# 3. Preliminary Results

Total wood energy use

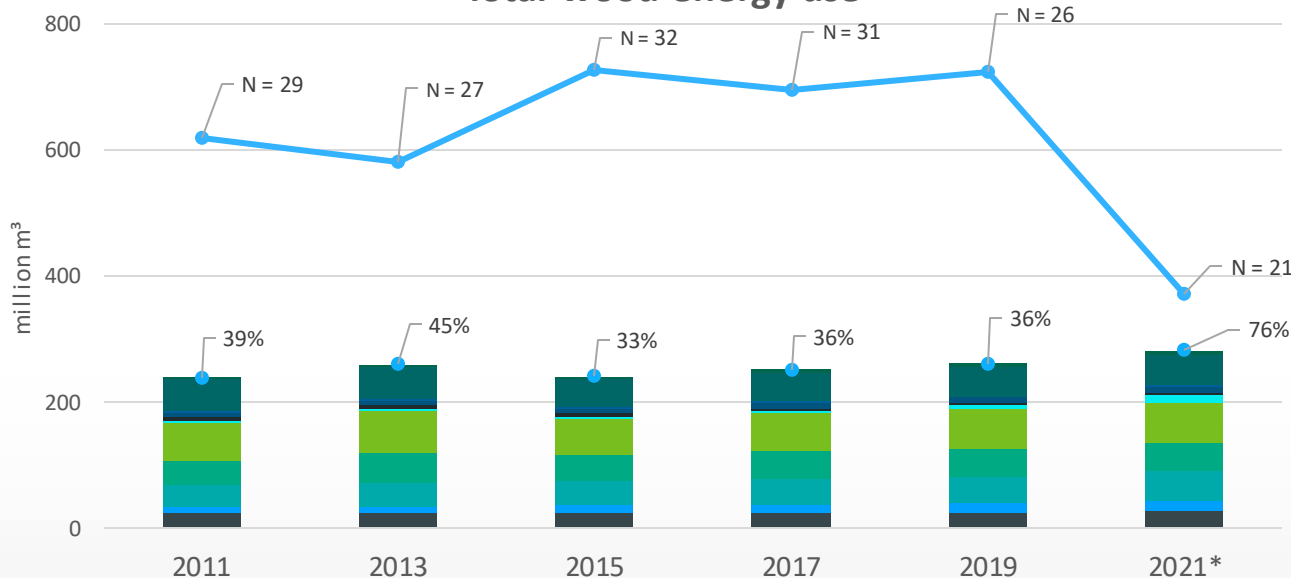


- In **2021** a total of **370 million m<sup>3</sup>** of **wood resources** has been used for energy generation in the 21 participating member states
- Wood energy is mainly sourced from
  - **forests and non-forest land** (i.e. primary sources) and
  - **wood processing industries** (i.e. indirect sources)

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# 3. Preliminary Results

Total wood energy use



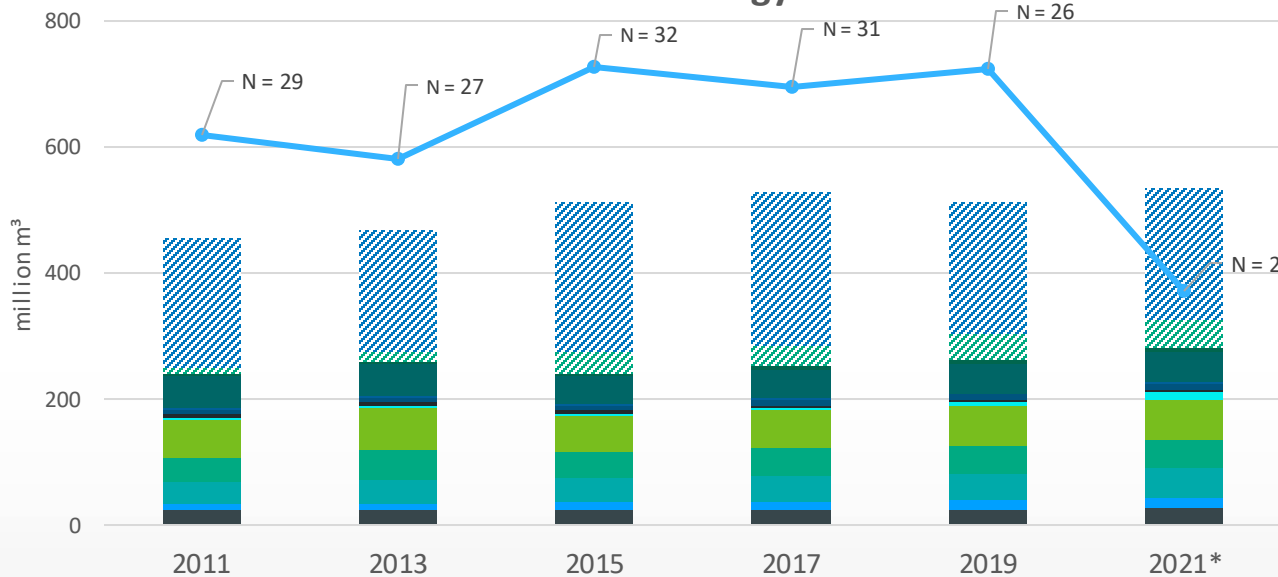
- **12 countries** consistently participated in the JWEE reporting since 2011 (JWEE12)
- Wood energy consumption in JWEE12-countries account for **33-45% of the total wood energy consumption** in JWEE reporting years 2011 to 2019
- In 2021 JWEE12-countries account for **76% of total wood energy consumption** in JWEE



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# 3. Preliminary Results

Total wood energy use



- In 2021 JWEE12-countries account for **76% of total wood energy consumption** in JWEE
- Wood energy consumption in the **USA and UK**, which accounted for **45-55%** of total wood energy consumption in previous years, is **missing in the 2021 dataset**



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# Thank you for your attention!

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[JWEE information and data:](#)

<https://unece.org/joint-wood-energy-enquiry-2>