



Item 8: Guidance on Work Areas

Work Area 1: Data, monitoring, reporting and assessment – Wood Energy



**41st Joint UNECE/FAO Working Party on Forest Statistics,
Economics and Management**

27-29 March 2019, Geneva



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- Review by secretariat
- JWEE2017 – preliminary results
- Team of Specialists on Wood Energy
- Questions, comments and statements



Wood Energy in the UNECE region

Publication, launch and dissemination



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“Wood Energy in the ECE Region: Data, Trends and Outlook in Europe, the Commonwealth of Independent States and North America”

- Published in May 2018
- Launched at an event under the Air Convention
- Huge concern on wood energy contribution to air pollution
- All information on wood energy in one publication – including JWEE2005 – JWEE2015 data
- Press release *“Wood energy is no sleeping giant, say UNECE/FAO experts”*

Support:

- Government of Finland
- UNECE/FAO team of Specialists on Wood Energy





Wood Energy in the UNECE region

Air quality issues



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- Nitrogen Oxides and small particles
- Currently - vast discussion on emissions caused by cars
- Future – likely to have more holistic approach, also aiming at poor applications for heating and cooking with wood.
- How to reduce air pollution caused by wood burning applications.
- The film *“more heat with less wood”*, launched at the Joint Working Party 2016 covers how to store prepare and burn wood minimize outdoor and indoor air pollution.





Wood Energy in the UNECE region

More heat with less wood

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Second most popular video by UNECE

- *English: 86k*
- *Albanian: 2k*
- *Georgian: 21k*
- *Turkish: 1k*

Funded by German climate fund



Wood Energy in the UNECE region

JWEE – a unique dataset



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- Carbon neutrality of wood energy - a highly controversial topic
- Joint Wood Energy Enquiry provides unique set of data
- Secretariat is able to quickly inform stakeholders on sources and user of wood energy
- Data are currently available in country files and flat file – better format needed.
- More outreach work required
- **Thank you to all the hard work by national correspondents!!!**



Wood energy consumption in the ECE region

Preliminary results from JWEE 2017

Sebastian Glasenapp



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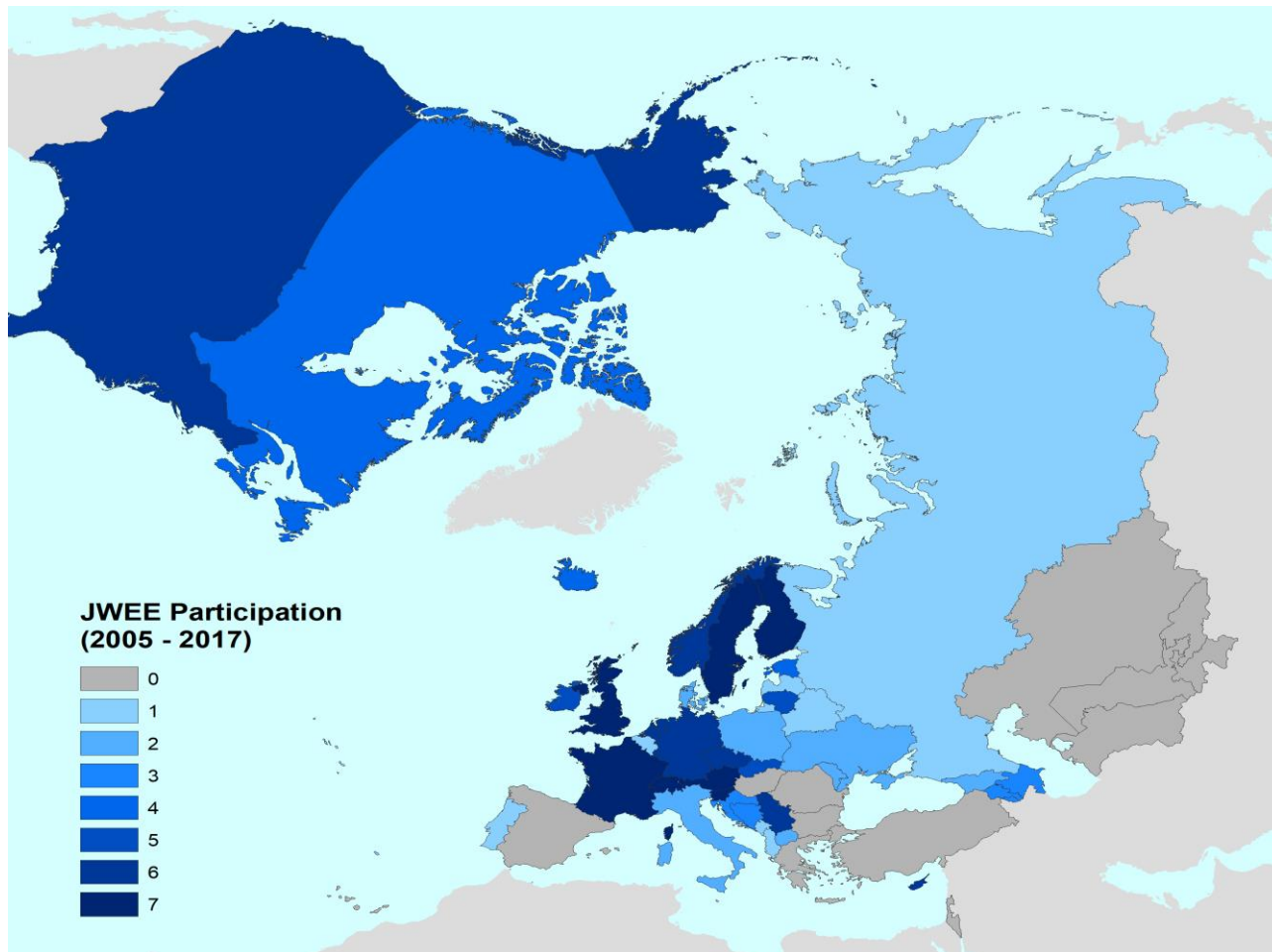
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JWEE 2005-2017 Submissions

Geographic coverage

FORESTS



JWEE timeline

- 2005: 14
- 2006
- 2007: 16 (WP)
- 2008
- 2009: 20 (WP)
- 2010
- 2011: 24
- 2012 (WP; CW)
- 2013: 26
- 2014
- 2015: 31
- 2016 (CW)
- 2017: 28*

* as of March 2019

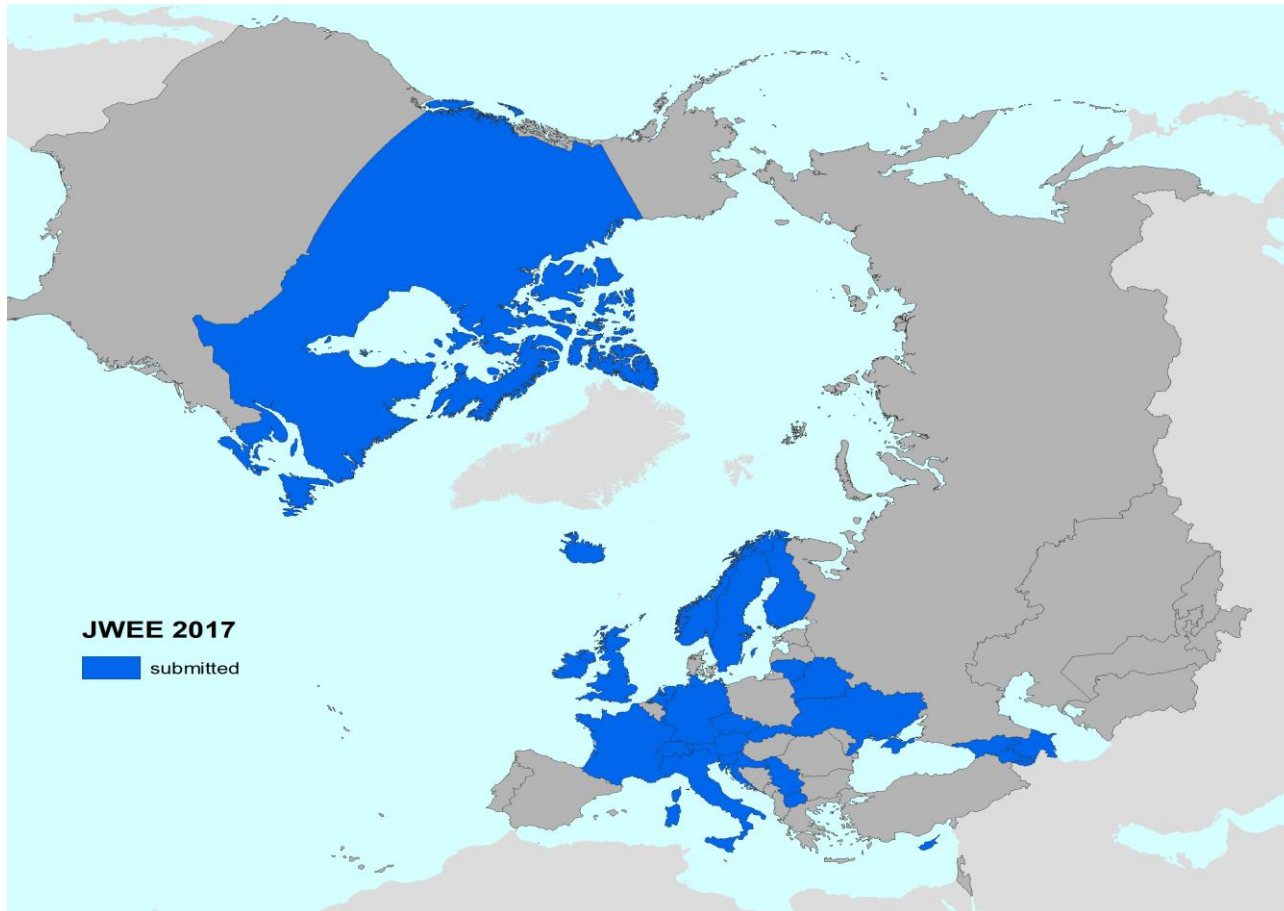
WP – UNECE/FAO Working Party discussing JWEE

CW – Capacity Building Workshop

JWEE 2017 Submissions

Geographic coverage

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as of March 2019

- 29 member states submitted data
- 28 provided table IV
- 6 more questionnaires are expected

Responses

Detailed information

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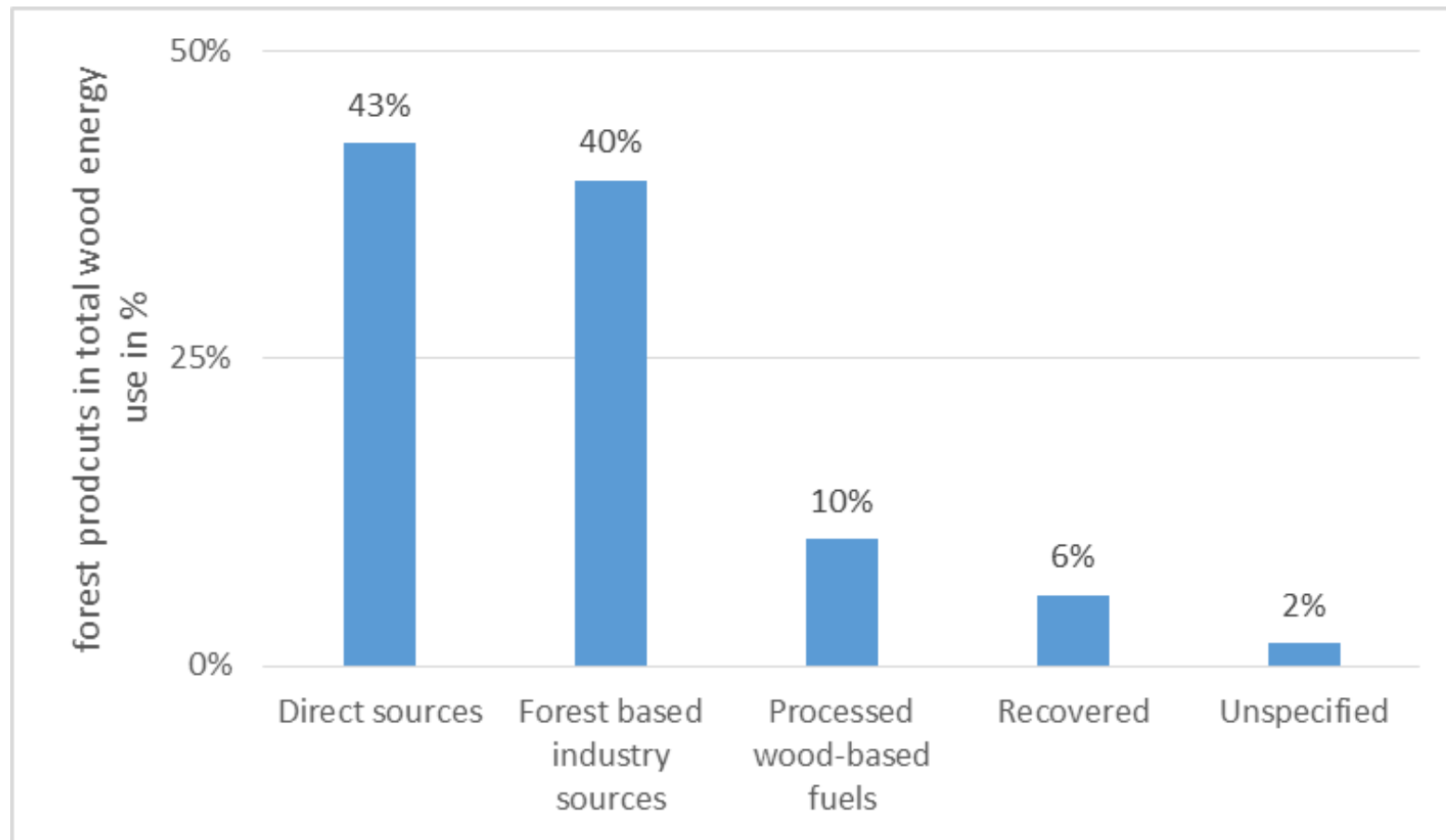
Wood energy consumer	Share of member states reporting figures	
	2015	2017
Power and heat sector	71%	75%
Industry sector	93%	86%
Residential sector	93%	96%
Other sector	75%	75%

Origin of wood for energy	Share of member states reporting figures	
	2015	2017
Direct sources	93%	96%
Indirect sources	89%	89%
Recovered sources	39%	50%
Unspecified sources	18%	14%

Preliminary 2017 results

Sources of wood for energy

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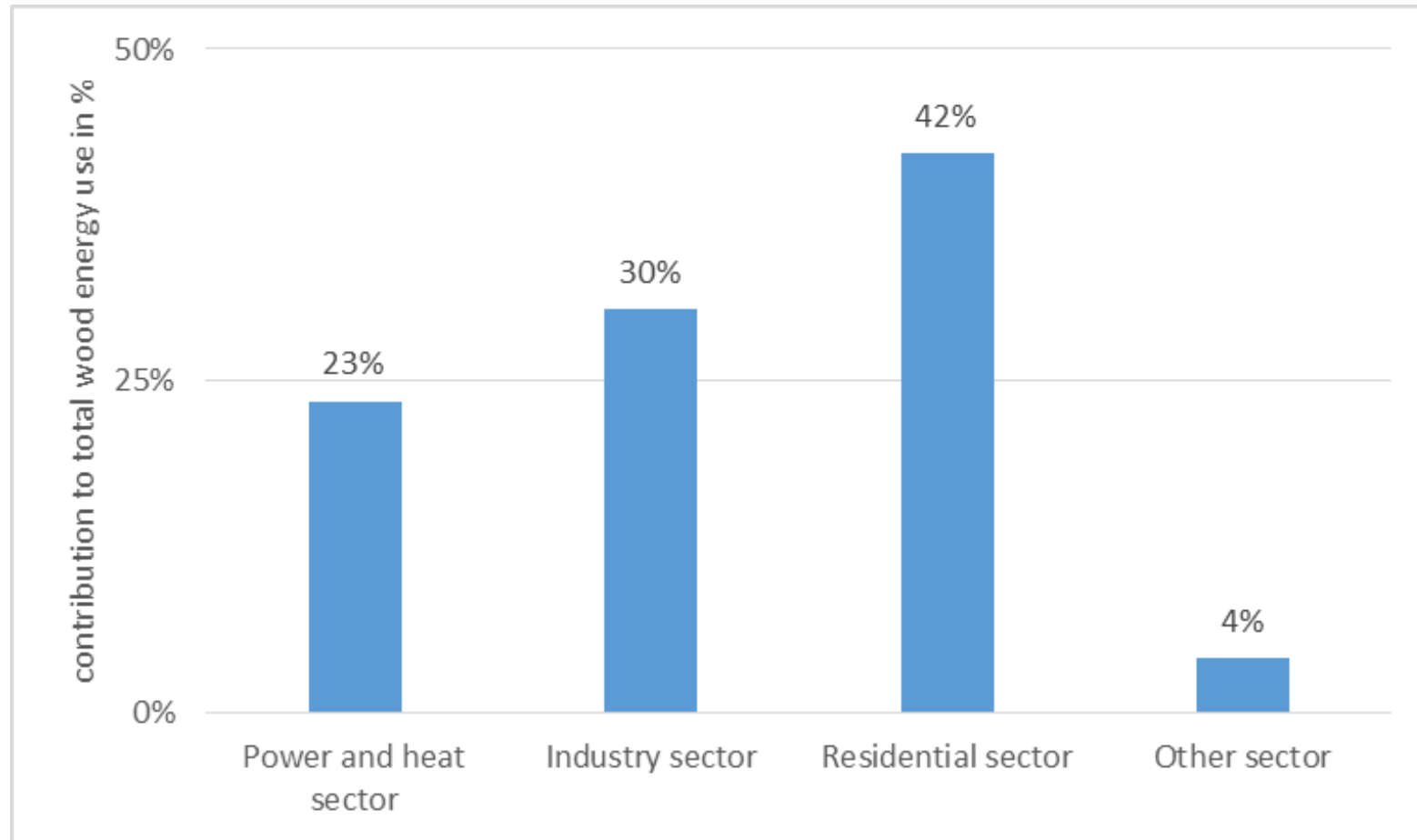


- 28 member states
- Total: 446.1 million m³
- Reference
 1. Canada: 73.3 million m³
 2. Germany: 59.8 million m³
 3. Sweden: 45.5 million m³
 4. Italy: 44.8 million m³
 5. France: 42.7 million m³

Preliminary 2017 results

Wood energy consumer

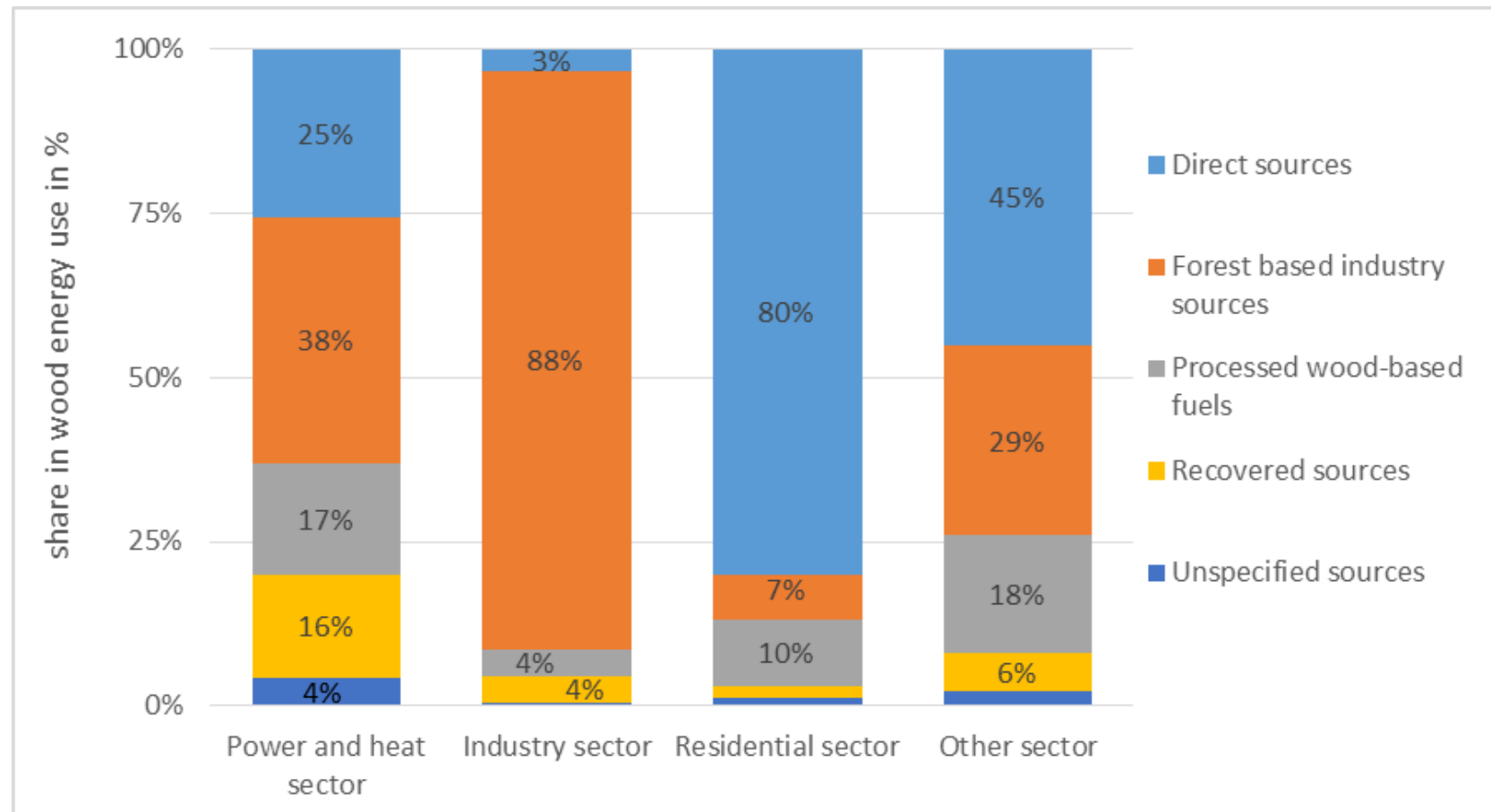
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Preliminary 2017 results

Use of wood for energy

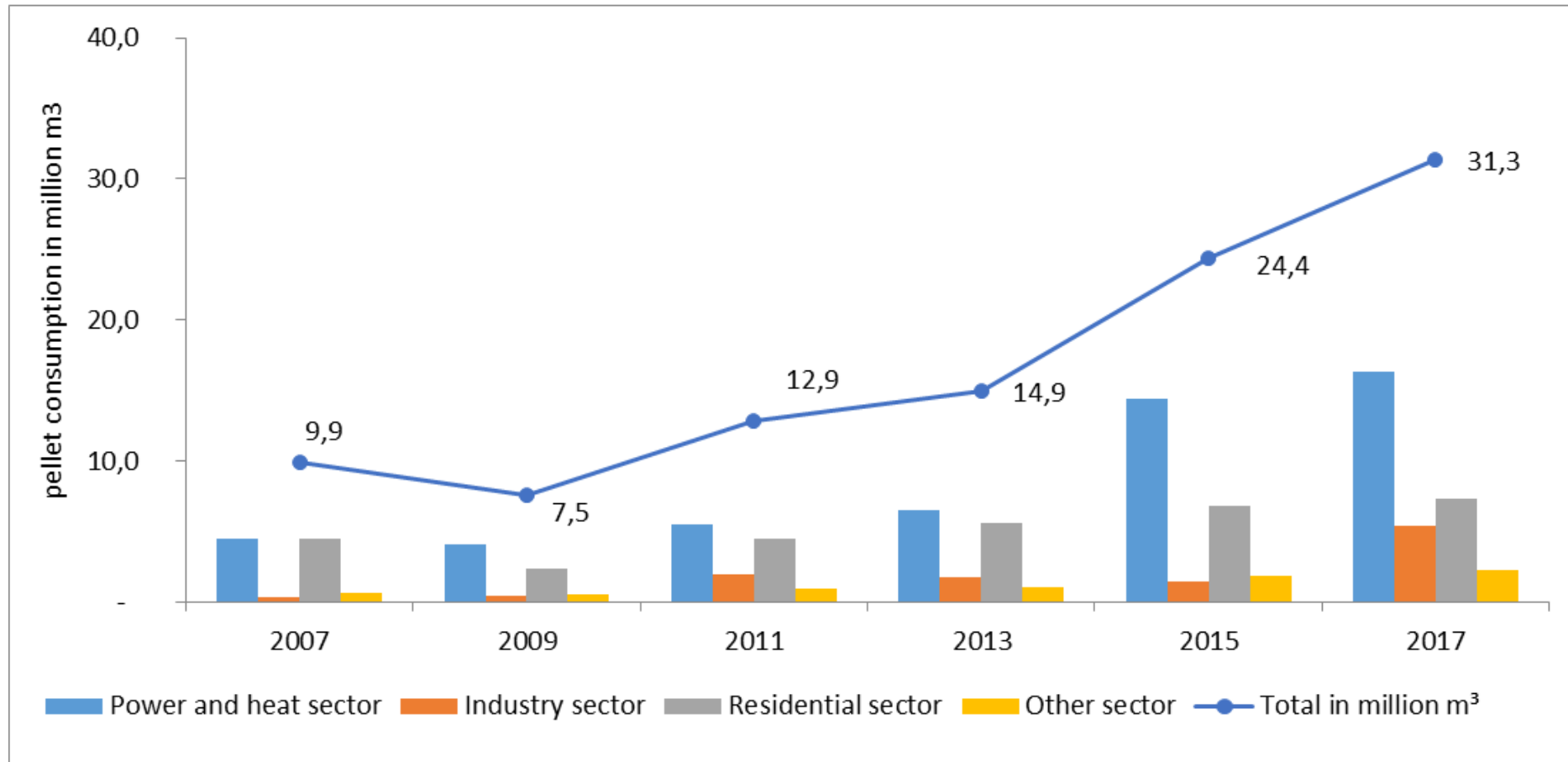
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Preliminary 2017 results

Pellet trends

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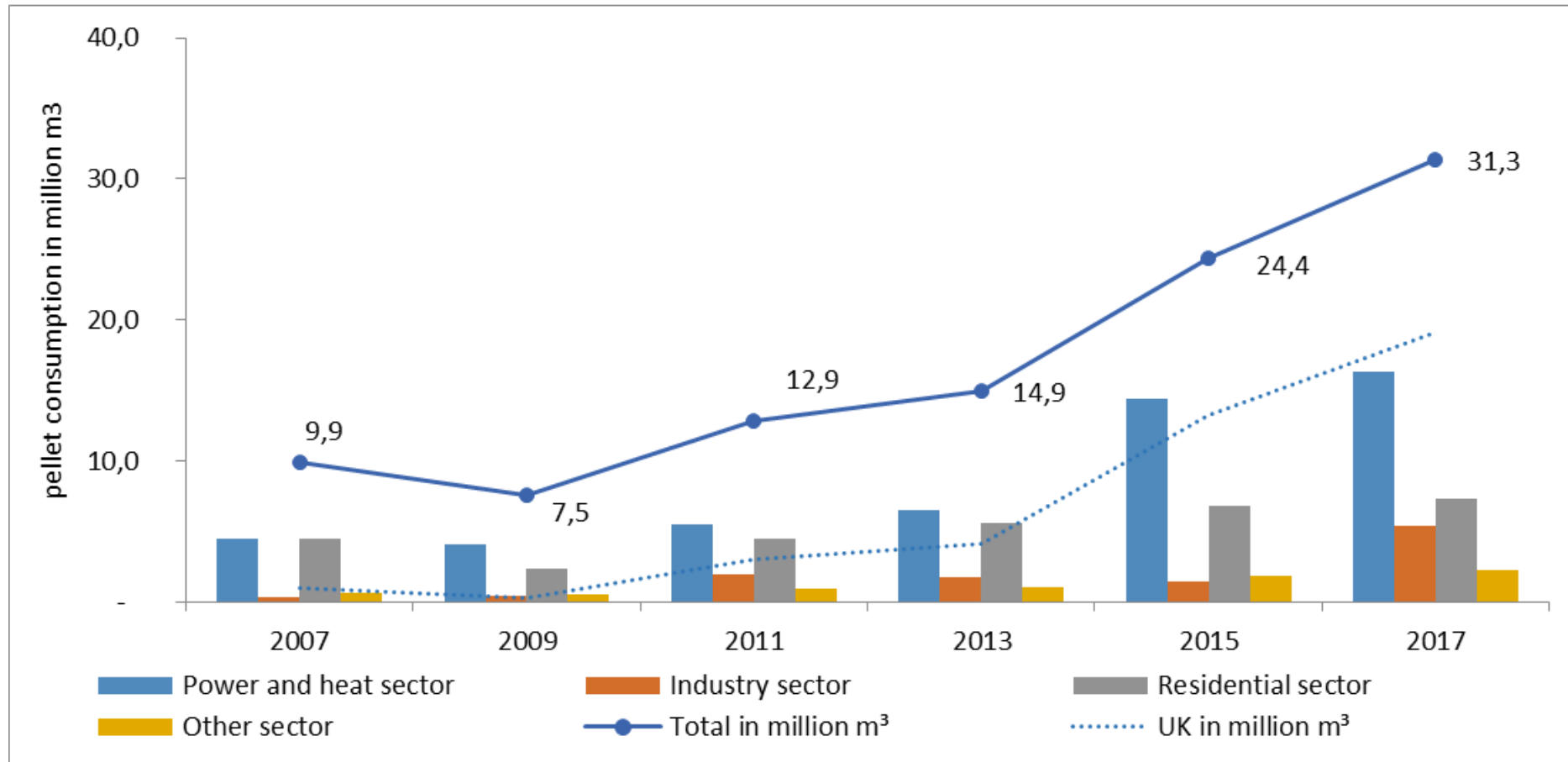


Trend for Austria, Cyprus, France, Germany, Luxembourg, Serbia, Slovenia, Sweden and United Kingdom

Preliminary 2017 results

Pellet trends

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Trend for Austria, Cyprus, France, Germany, Luxembourg, Serbia, Slovenia, Sweden and United Kingdom

Future opportunities

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- Review, finalize and disseminate 2017 data
- Project on database
- Improve conversion factors
- Align better with energy statistics
- Improve coordination with relevant agencies



Thank you!

<https://www.unece.org/forests/jwee.html>



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UNECE/FAO Forestry and Timber Section
27-29 March 2019, Geneva





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Team of Specialists on Wood Energy



**41st Joint UNECE/FAO Working Party on Forest Statistics,
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Team of Specialists on Wood Energy

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Leader: Mr. Dinko VUSIC
Deputies: Mr. Francisco AGUILAR, Mr. Matthias DEES
Secretary: Mr. Florian STEIERER

36 members from 12 countries

Efforts within the ToS continued in 2018 with various members from Germany and the US completing an econometric analysis of wood energy consumption within the German residential sector. The study has been submitted for publication in a scholarly outlet.

Wood Energy

Key questions on wood energy data assessment for guidance and discussion

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Delegates are invited to:

- *What are the burning issues related to wood energy in member countries;*
- *How to further improve the JWEE data in energy and forestry statistics and reporting (Joint Forest Sector Questionnaire/FAO statistics, Forest Resources Assessment, State of Europe's Forests, Group of Experts on Renewable Energy, Environmental Performance Reviews, etc.);*
- *Provide guidance on any other aspects or the Joint Section's work on wood energy.*
- *Advise on future work of the Team of Specialists on Wood Energy, including the extension of its mandate.*

Team of Specialists on Wood Energy

Issues for the attention of the Working Party:

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- The TOS on Wood Energy has made it a priority to add value to the data collected over the years by the JWEE.
- The ToS interested in learning about overall trends, identifying and quantifying factors that influence wood energy consumption and trade = good JWEE data is key for that!!!
- Carbon neutrality of wood energy and other material wood products continue to be raised across the energy and construction sectors, among others. The ToS on Wood Energy seeks the guidance of the Joint Working Party on the topic and proposes to closely cooperate with the ToS on Sustainable Forest Products to develop practical guidelines on how to maximize the carbon reduction potential of forest-based products.

Team of Specialists on Wood Energy

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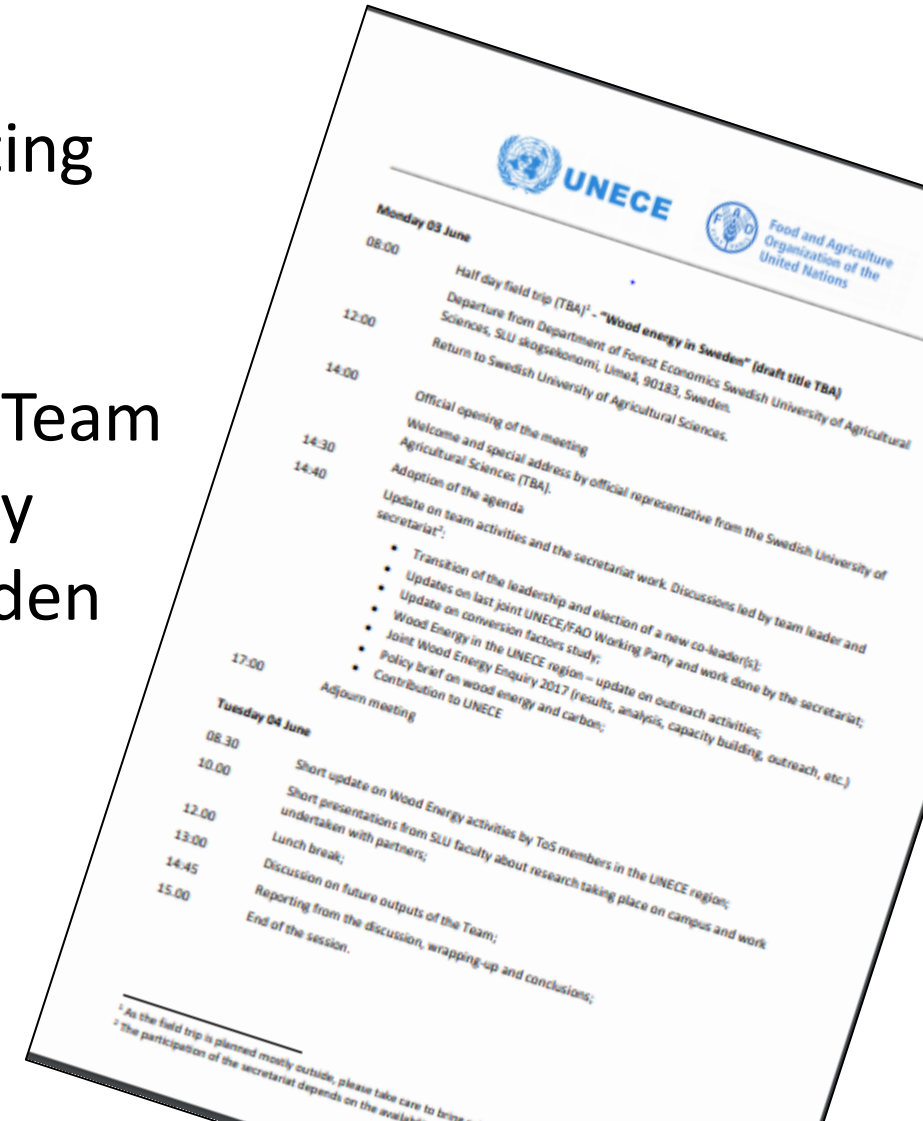


2018

focus on publication – no meeting

2019

fifth Meeting of the UNECE/FAO Team of Specialists on Wood Energy
3 to 4 June 2019 in Umea, Sweden
hosted by the
Swedish
University of
Agricultural
Sciences.





Food and Agriculture Organization
of the United Nations

Thank you!



UNECE/FAO Forestry and Timber Section

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