



Joint Session of the ECE Timber Committee and the FAO European Forestry Commission

Antalya, Turkey – 10-14 October 2011



“Joint Wood Energy Enquiry”

David Ellul



JWEE 2009

Wood Fuel Sources

S1: Direct

Logging residues, thinnings, clearings
short rotation coppice, etc.



S2: Indirect

Residues, enhanced/ densified processed wood
based fuels (pellets, charcoal, biofuels), etc.



S3: Recovered

Post consumer recovered wood products (often
contaminated), construction demolition, waste, etc.



S4: Unspecified

Unspecified material where it is unclear what kind
of material is used



JWEE 2009

Wood Energy Uses

U1: Power and Heat

Transformation of woody biomass for commercial power and heat production - "Main activity producer" (IEA)



U2: Industry internal use:

Heat and energy generated for internal use by the forest based industries (sawmills, pulp, panel) for processing and drying



U3: Residential

Wood energy generated by private households

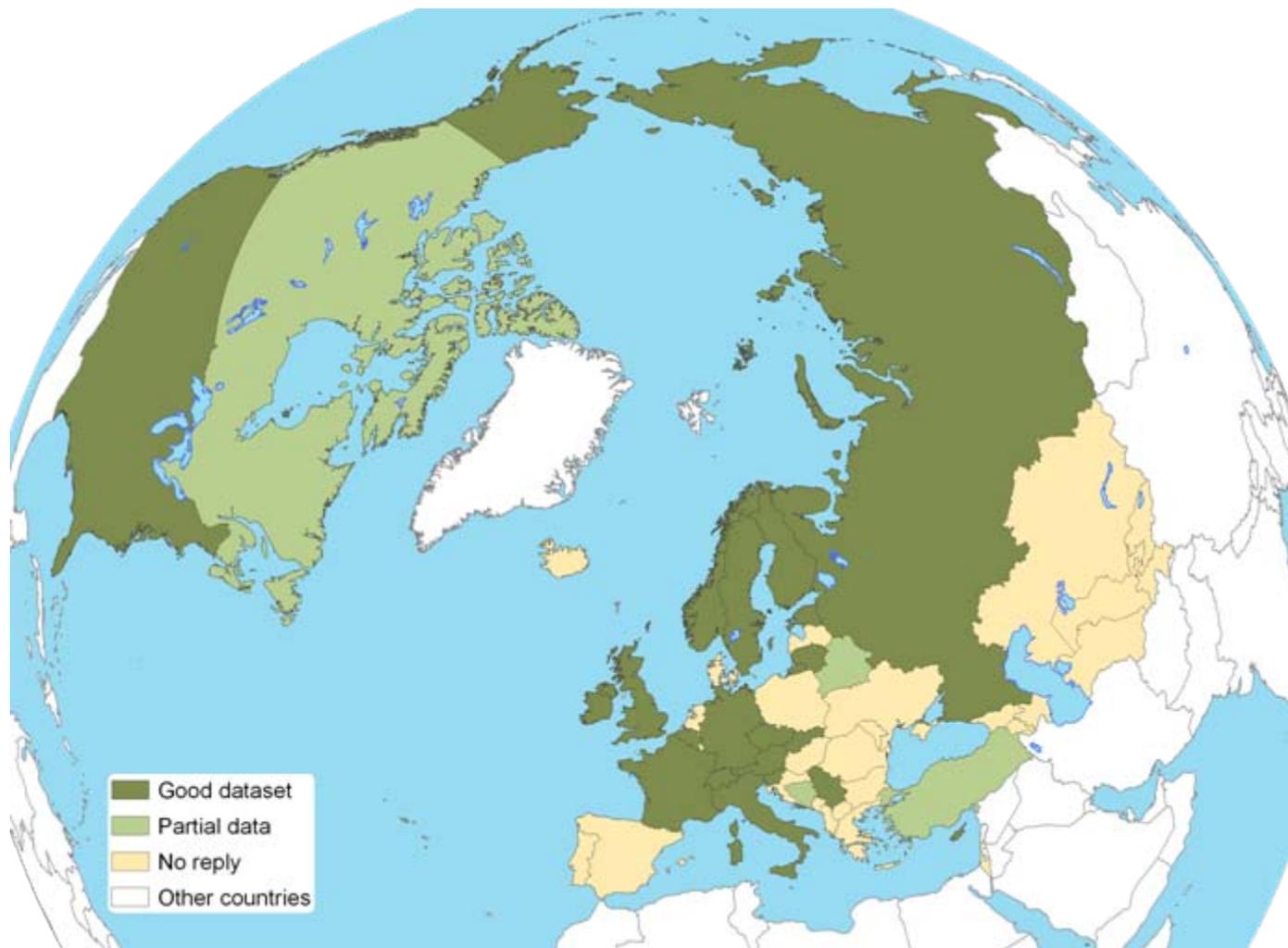


U4: Other

Wood energy generated by public and private services; agriculture, forestry and fishery



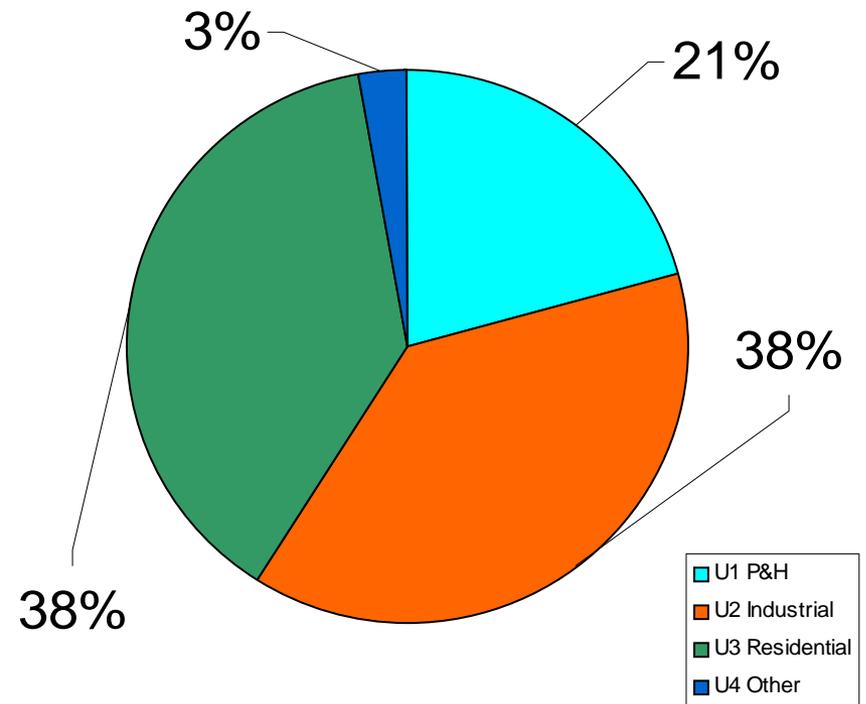
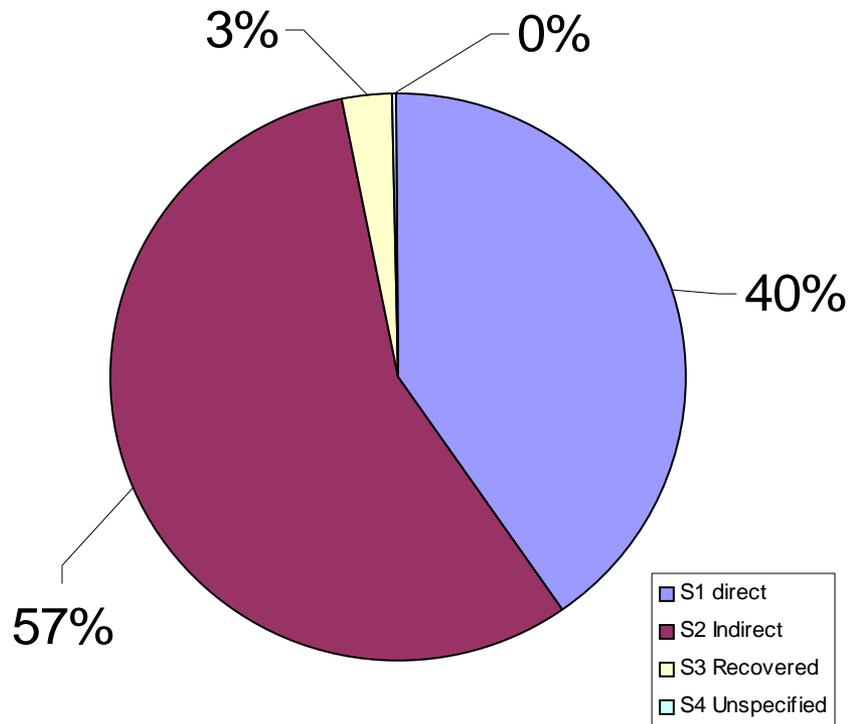
Replies



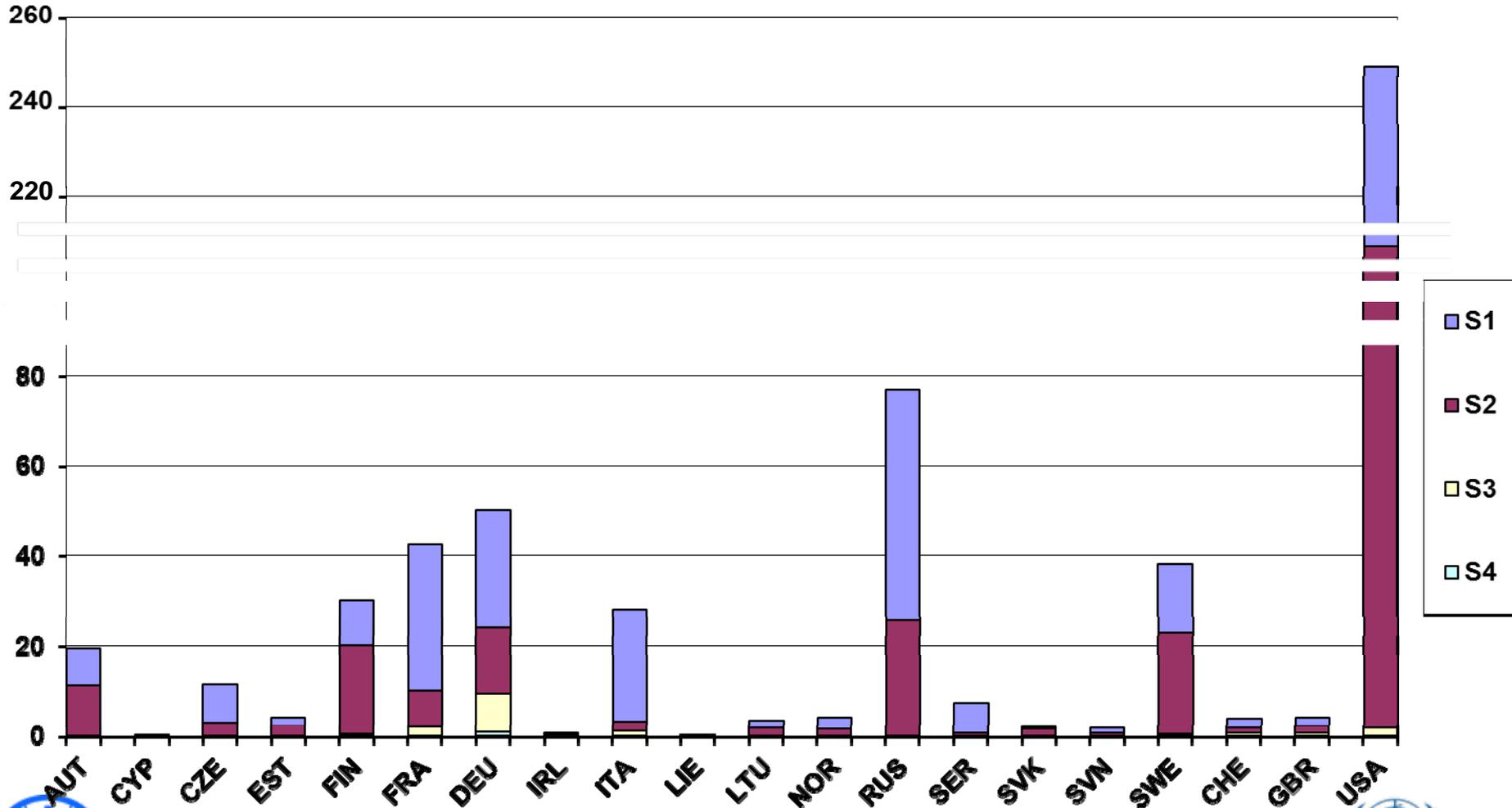
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Woody biomass sources and uses in 2009



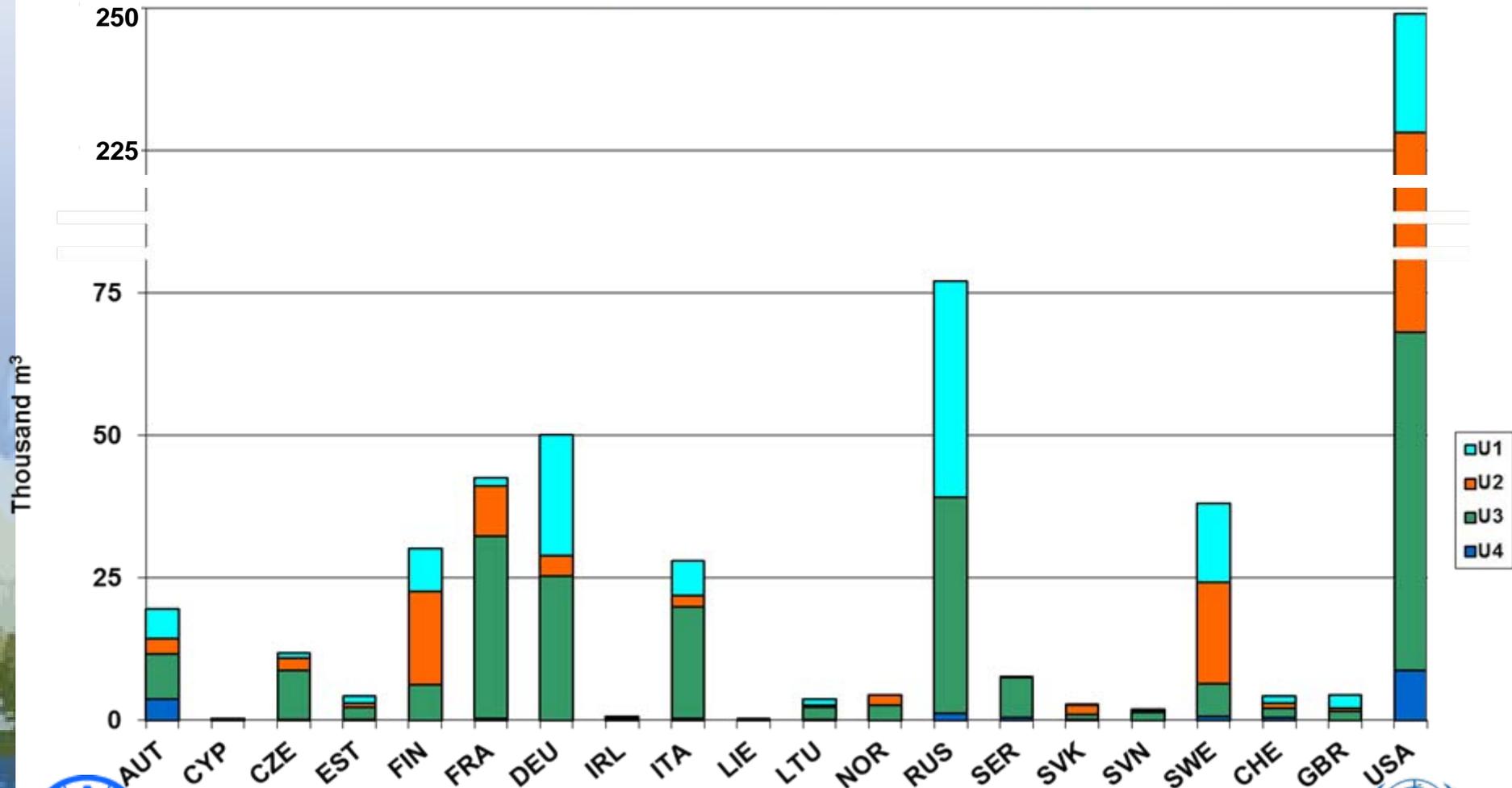
Wood Energy Sources by country (2009)



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Wood Energy Uses by country (2009)

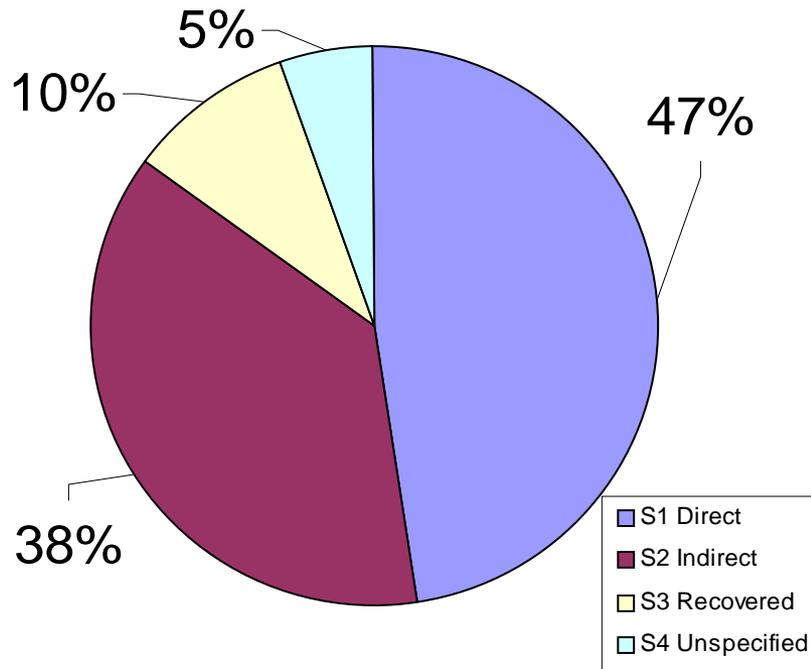


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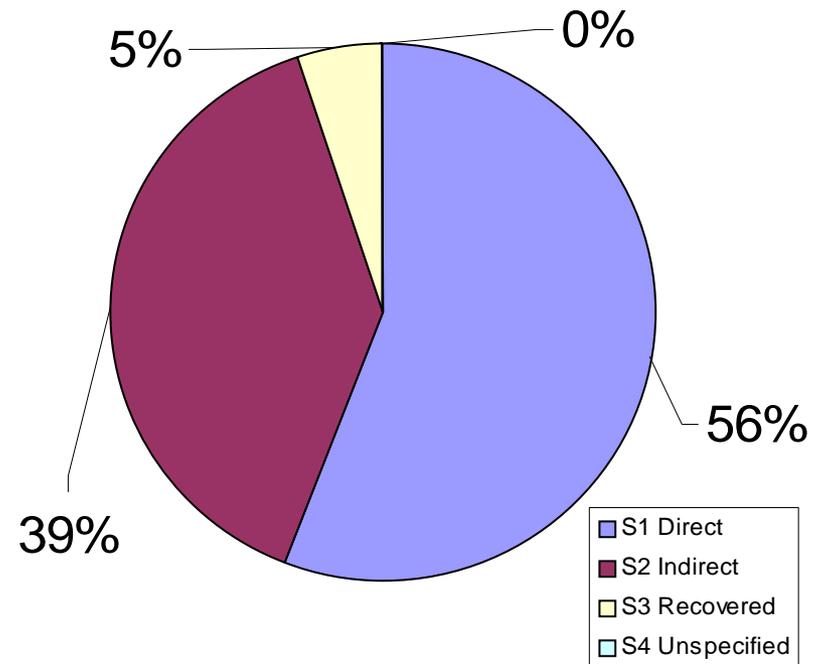


Trends - Sources

2007 Sources

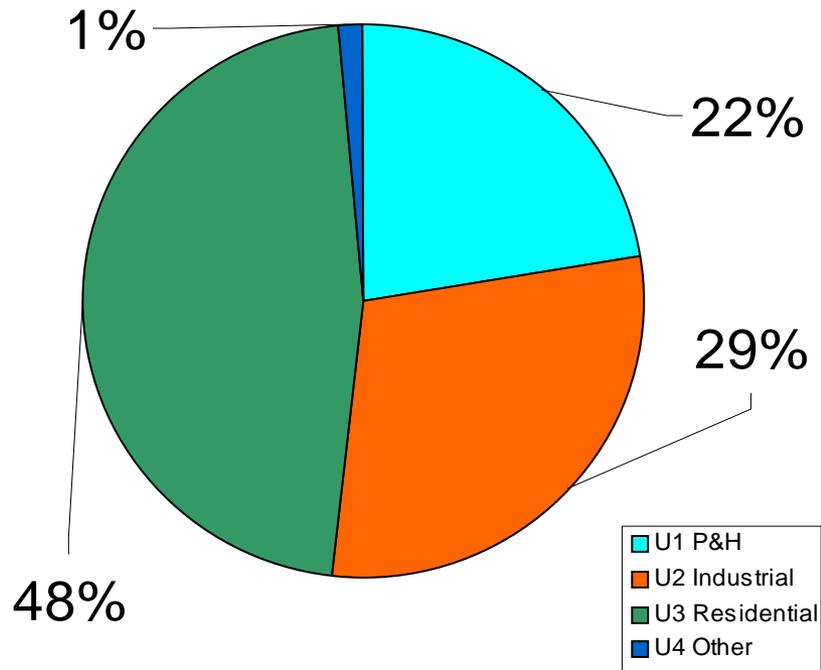


2009 Sources

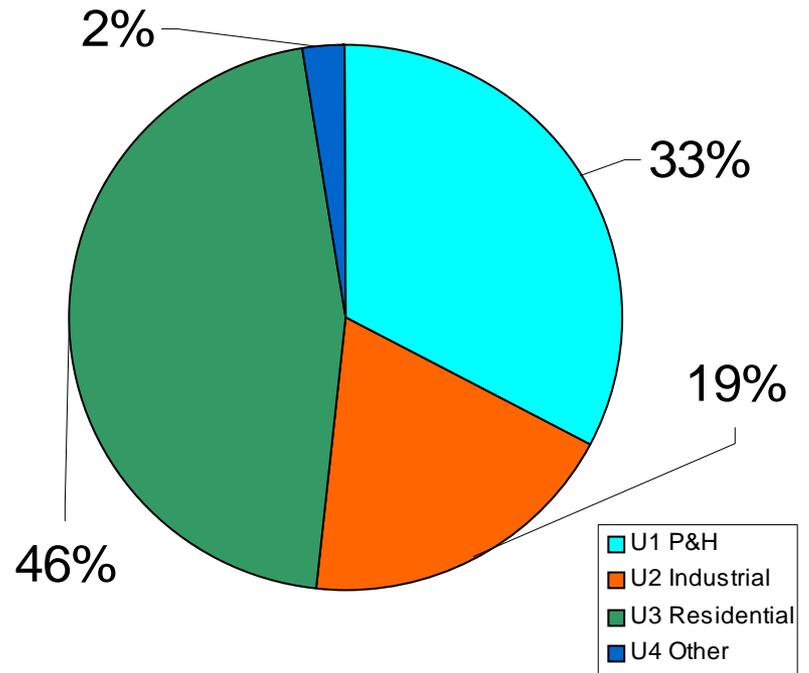


Trends - Uses

2007 Uses



2009 Uses

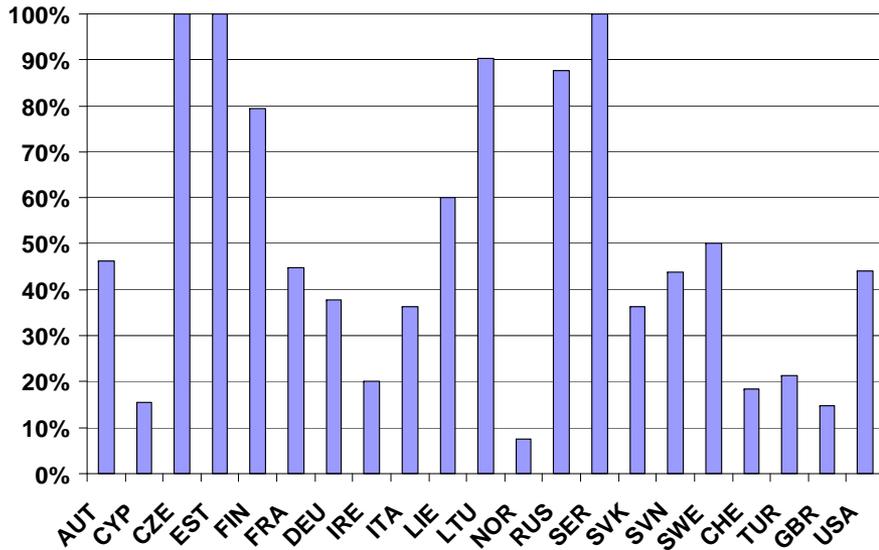


JWEE 2009 Overview

- Wide range in the quality of responses received (From over 35 data points filled in down to 1 data point/ out of a total of 240 possible data points).
- The amount of timber used for energy purposes is significantly rising in nearly all countries since 2007, annual increase of 4%.
- Direct wood fibre supply is the most important in the Balkan region, Russia and France. Co-products and residues account for the bulk of wood energy supply patterns in Finland, Sweden, Slovakia, Austria. Processed wood-based fuels important in UK and Italy. Post-consumer recovered wood relevant in Germany and Switzerland.
- Rising use of wood in CHP sector

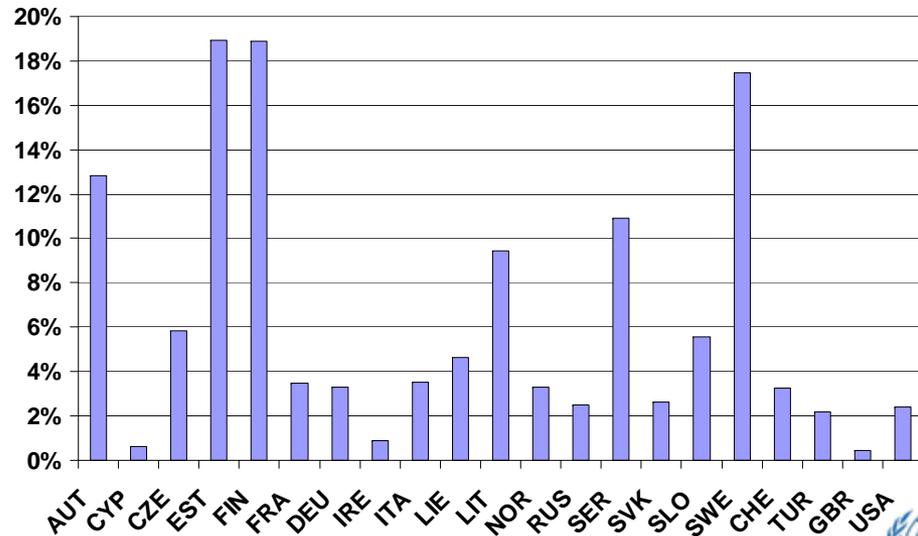


Role wood energy in 2009



Wood Energy among
Renewables
44% share

Wood Energy in Total
Primary Energy
Supply:
3% share



EU Renewable Energy Action Plans

	2005	2010	2020
Share of renewables in Final Energy Consumption	8.6%	13.0%	20.9%
Share of Solid Biomass in Renewables	52.6%	39.1%	36.7%
Share of Solid Biomass in Final Energy Consumption	4.5%	5.1%	7.7%



Future Work

- Further Data Analysis
- JWEE now in Russian
- Capacity building workshop
- Launch of JWEE 2011 round



Thank you!

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Thank you for your attention!

