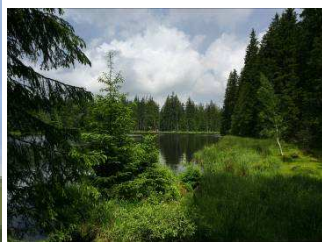




## Regional Forest Information Week

33rd Session of the Joint ECE/FAO WP  
on Forest Economics & Statistics

United Nations, Geneva – 23 March 2011



## Joint Wood Energy Enquiry 2009

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

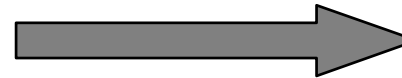


# JWEE 2009

## Wood Energy Uses

### U1: Power and Heat

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



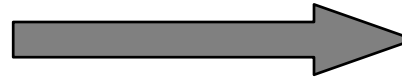
### U2: Industry internal use:

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

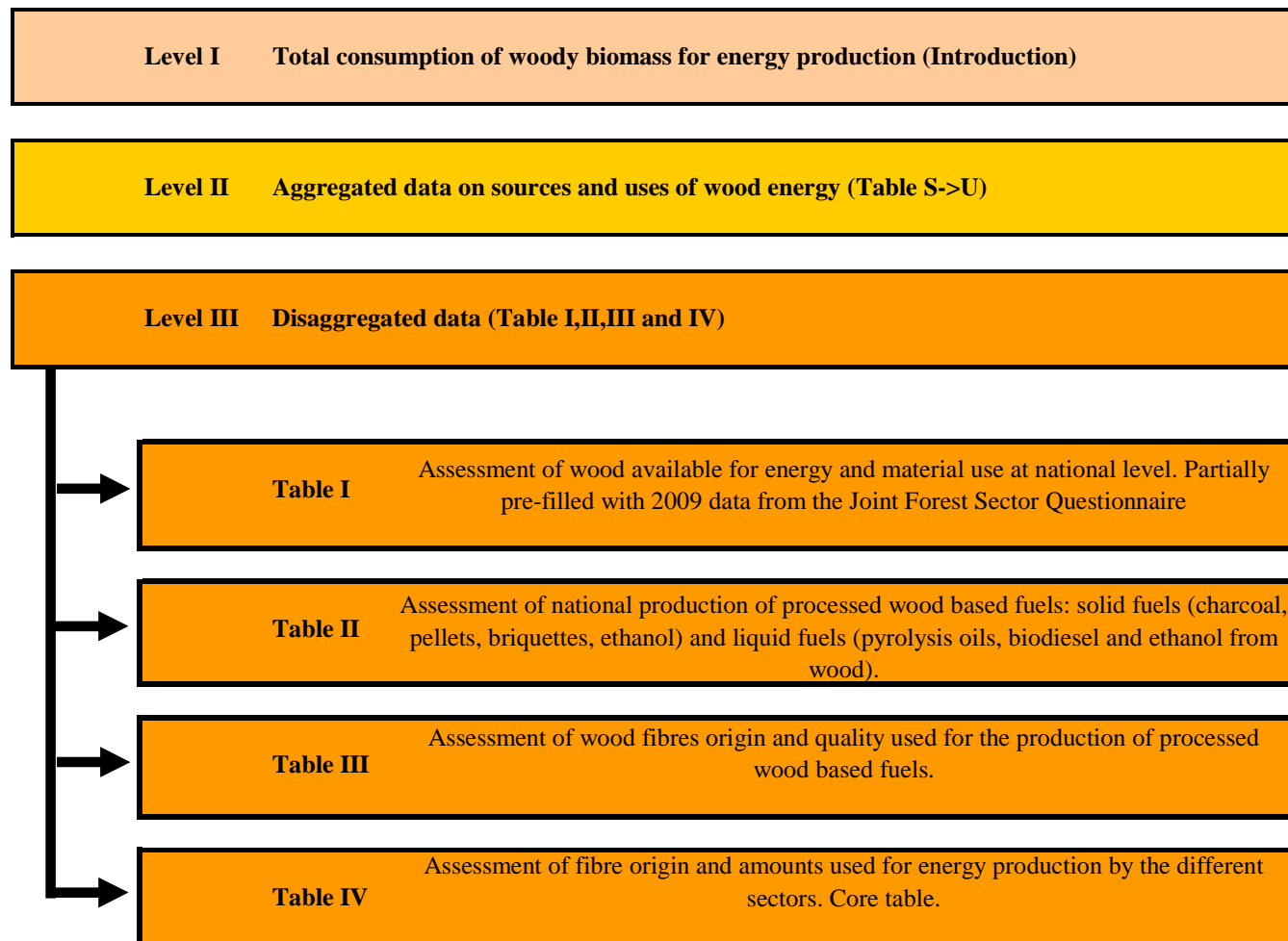


### U4: Other

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



# JWEE 2009 Sheet Structure



## JWEE 2009 Major Changes

- Table III on wood fibers origin is now optional.
- Introduction sheet added in order to give the NC a better overview and explain the content of all following worksheets.
- Indicators sheet added to explain terminology.
- Energy Expert sheet deleted. Instead the IEA and JFSQ contacts were sent to the NC.
- Possibility to rate data quality added.
- The 2005 and 2007 data was provided in order to assist NC in estimating the 2009 figures.



# JWEE 2009 Timeline



David Ellul, UNECE/FAO Forestry & Timber Section



## JWEE 2009

	Country	2005	2007	2009	Data completeness
1	Austria	14443	17853	19666	A
2	Cyprus		16	73	A
3	Estonia			4314	A
4	France	41265	46457	42527	A
5	Italy			27930	A
6	Liechtenstein		14	26	A
7	Lithuania	3209		received 21.03.2011	A
8	Serbia		1642	7574	A
9	Slovakia		2866	2110	A
10	Slovenia	2214	2819	1863	A
11	Sweden	39377	37310	38073	A
12	Switzerland	3785	3715	4125	A
13	United Kingdom	1562	2344	5055	A
14	United States	212475			A
21	Turkey	10800*	10000*	10200	B
15	Belarus				C
16	Bosnia and Herzegovina				C
17	Canada	47810	62847		C
18	Norway	5773			C
19	Russian Federation		42800		C
20	The fYR of Macedonia	596*	574*		C
22	Belgium			promised	P
23	Croatia			promised	P
24	Finland	32913	33338	promised	P
25	Germany	30271	53749	promised	P
26	Ireland		471	promised	P

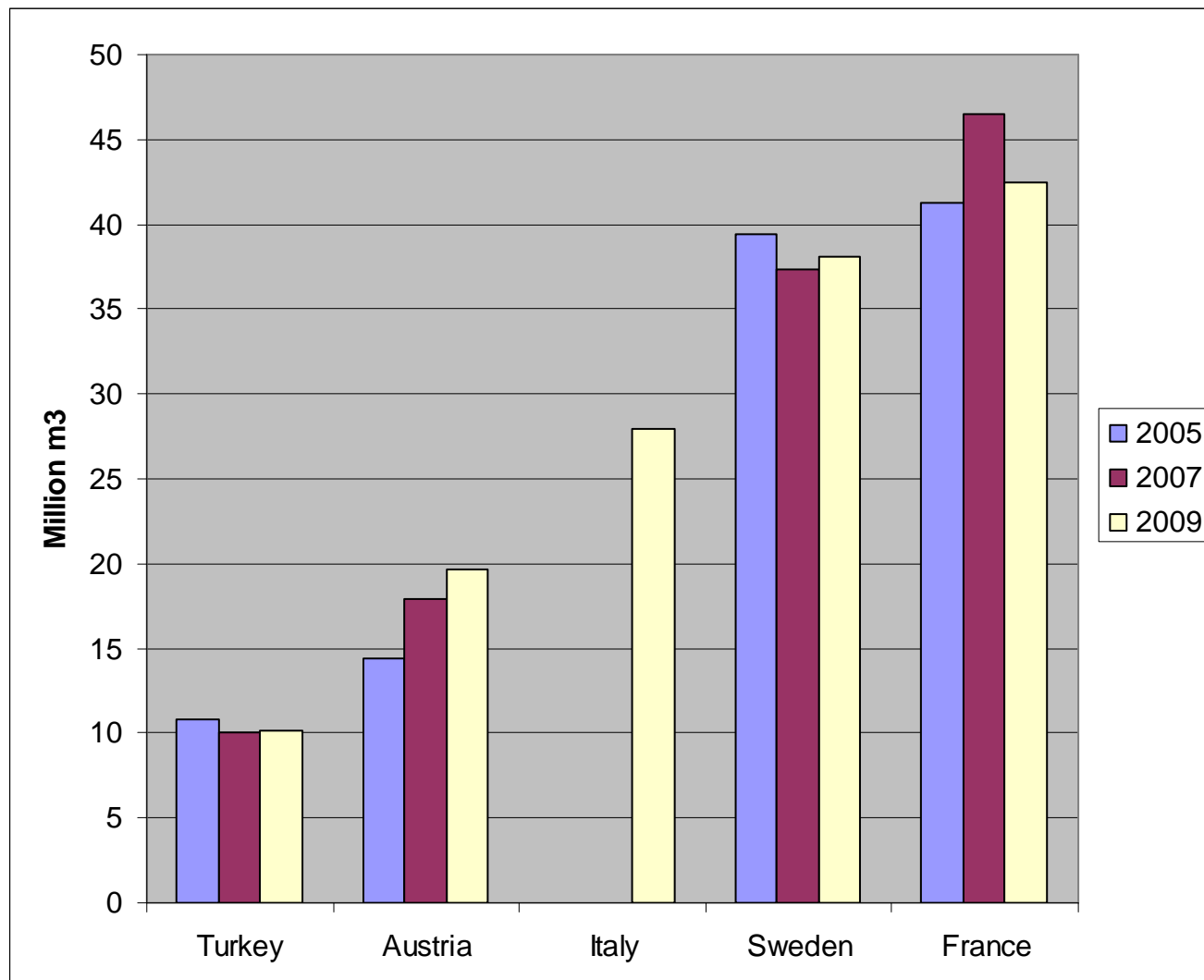
N.B. Data for 2009 is not validated, not for quoting

\* values reported in 2009

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## JWEE 2009 Preliminary Results

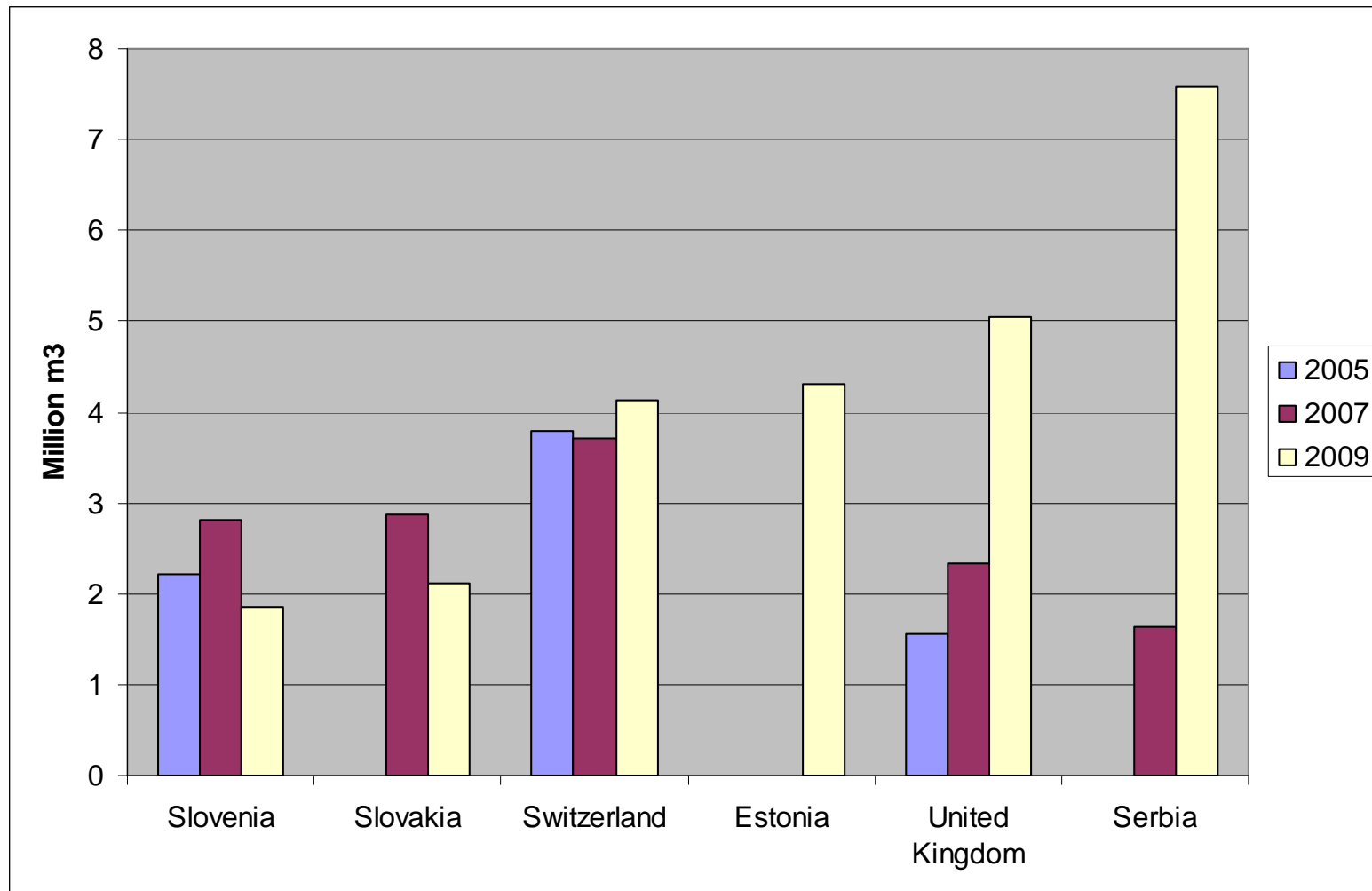


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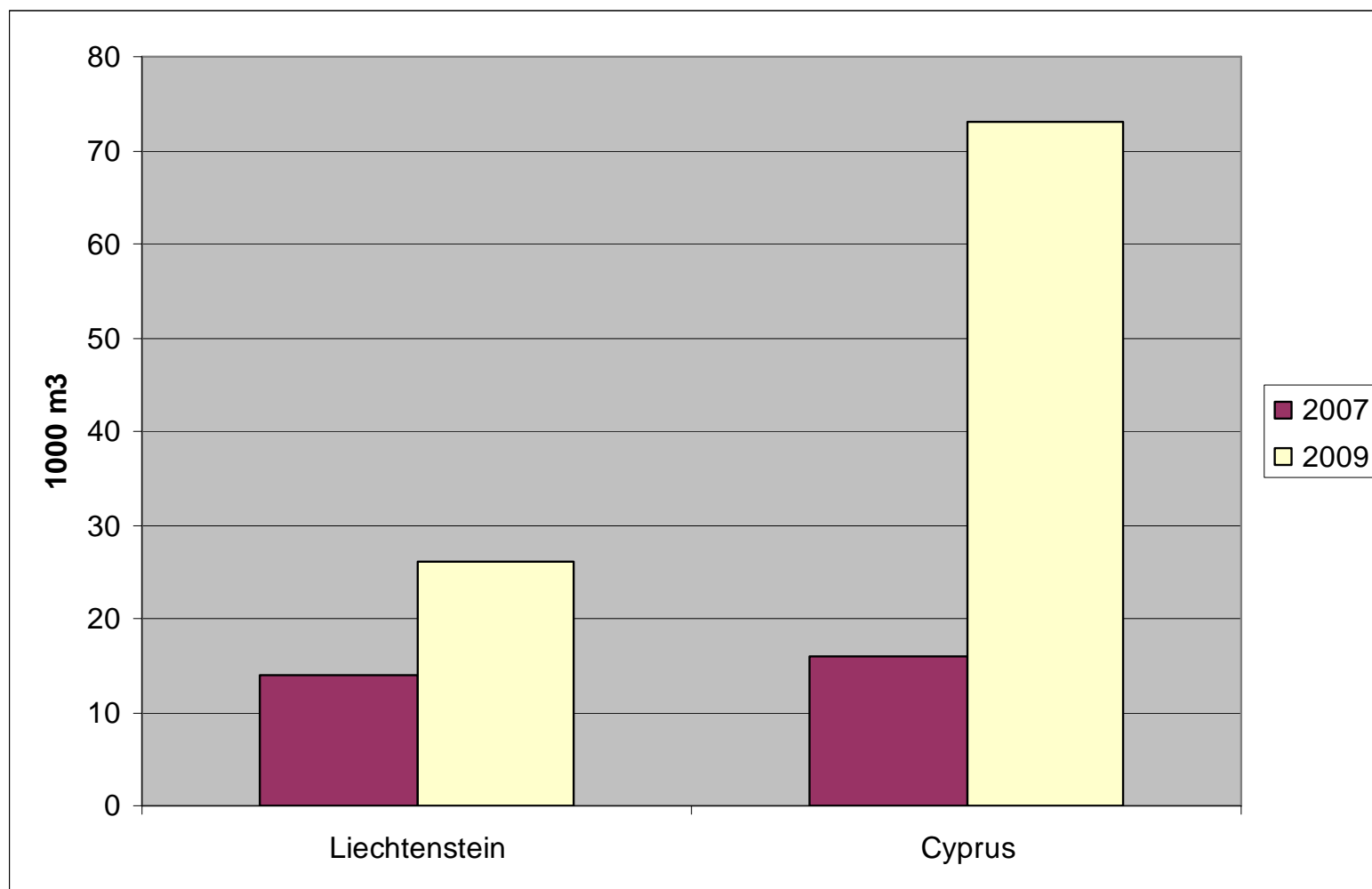
## JWEE 2009 Preliminary Results



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## JWEE 2009 Preliminary Results



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## JWEE 2009

### Preliminary Results

- 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 e.g. UK (but a limited set of countries report lower volumes than reported in 2007).
- Growth trends appear to be linear.



## JWEE 2009

1	Albania			no reply
2	Armenia			no reply
3	Azerbaijan			no reply
4	Bulgaria			no reply
5	Czech Republic	7939		no reply
6	Denmark			no resources
7	Georgia			no reply
8	Greece			no reply
9	Hungary			no resources
10	Iceland			no stats
11	Israel			no stats
12	Kazakhstan			no reply
13	Kyrgyzstan			no reply
14	Latvia			no reply
15	Luxembourg			no reply
16	Malta			no stats
17	Montenegro			no reply
18	Netherlands	1962	3224	no resources
19	Poland			no reply
20	Portugal			no reply
21	Republic of Moldova			no reply
22	Romania			no reply
23	Spain			no reply
24	Tajikistan			no reply
25	Turkmenistan			no reply
26	Ukraine			no reply
27	Uzbekistan			no reply



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# JWEE 2009 Timeline



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## JWEE 2009 Challenges

- Addressing the right correspondent: (Ministry of Energy / Environment / Agriculture or Statistics Office?)
- Complex questionnaire requiring significant resources
- Agreement on definitions, conversion factors
- Russian version in preparation
- Limited human resources at UNECE/FAO



## JWEE 2009 Questions

- What could UNECE do to improve data received by NC or the enquiry sheet of JWEE?
- Conversion factor for wood charcoal (1 t.d.m. of wood charcoal = 6 m<sup>3</sup> of wood raw material)
- We kindly request your views on the JWEE process and provide guidance on the elaboration of the JWEE and the dissemination of results.
- Any recommendations for next steps for JWEE?



# The JWEE 2009 Team

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Thank you for your attention and your help!



David Ellul, UNECE/FAO Forestry & Timber Section

