Joint Wood Energy Enquiry 2011

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Forest Products and Technologies for the Future
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WOODY BIOMASS SOURCES

S1: Direct
S2: Indirect
S3: Recovered
S4: Unspecified
WOODY BIOMASS USES

U1: Power and Heat

U2: Industry

U3: Residential

U4: Other
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Wood energy accounts for:

- 3.3% of Total Primary Energy Supply (TPES)
- 38.9% of Renewable Energy Supply (TPES)

→ Leading source of renewable energy

- ~39.8% of all mobilised wood biomass is used for energy purposes
34.2% of wood energy supply originates from woody biomass from forest and other wooded land (S1 Direct)

Solid and liquid co-products and processed wood fuels (S2) contribute 56.9% of the wood energy supply

Recovered waste wood (S3) accounts for 3.7%
• 48.1% by industrial sector (U2)
• Households (U3) account for 34.6%. However, wood energy use by private households is often higher than official records indicate.
• The power and heat sector represents 15.2% of wood energy use.
JWEE TRENDS

• Main trends 2009-2011:
• 4.8% annual growth in the amount of wood used for energy purposes
• Growth of the share of woody biomass in TPES from 4.6% to 5.4%
• Growth of the share of woody biomass in RES from 46.1% to 50.5%
CHALLENGES

- Bringing together forestry and energy communities
- Different units, conversion factors
- Difficulty reconciling fuelwood consumption figures (especially in the residential sector) with official figures for fuelwood supply
- Incomplete data on production and trade of pellets and in particular for charcoal and briquettes
- Only a handful of countries are in a position to provide data on transformation inputs into processed wood-based fuels
- In some cases, correspondents had figures about total amounts being consumed by a specific sector but no further detail on the specific category of wood fibre being consumed
Thank you for your attention and your help!