



# ToS on Forest Products Statistics



37<sup>th</sup> Joint Working Party on Forest Statistics, Economics and Management  
18-20 March 2015, Geneva, Switzerland

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# About the Team


- » 17 members attended the meeting
- » Austria, Czech Republic, Finland, France, Germany, Ireland, Poland, Serbia, Sweden, Turkey, UK and EPF



# 1. Joint Forest Sector Questionnaire



» Prefilling with past data / prefilling with forecasts

Product Code		Product	Unit	Historical data		Revised 2013	Estimate 2014	Forecast 2016
				2012	2013			
 <p style="text-align: center;"><b>TF1</b> UNECE TIMBER FORECAST QUESTIONNAIRE Roundwood</p>								
				Name of Official responsible for reply:				
				Official Address (in full):				
				E-mail:				
1.2.1.C		<b>SAWLOGS AND VENEER LOGS, CONIFEROUS</b>						
		Removals	1000 m <sup>3</sup>	8.091	8.612	8.647	8.800	8.900
		Imports	1000 m <sup>3</sup>	186 #	180 #	288	270	270
		Exports	1000 m <sup>3</sup>	128 #	130 #	268	220	220
		Apparent consumption	1000 m <sup>3</sup>	8.128	8.642	8.669	8.850	8.960
1.2.1.NC		<b>SAWLOGS AND VENEER LOGS, NON-CONIFEROUS</b>						
		Removals	1000 m <sup>3</sup>	86	86	86	70	70
		Imports	1000 m <sup>3</sup>	22 #	20 #	19	20	20
		Exports	1000 m <sup>3</sup>	0 #	0 #	0	0	0
		Apparent consumption	1000 m <sup>3</sup>	88	86	84	80	80
1.2.1.NC.T		<b>of which, tropical logs</b>						
		Imports	1000 m <sup>3</sup>	10 #	10 #	3	0	0
		Exports	1000 m <sup>3</sup>	0 #	0 #	0	0	0
		Net Trade	1000 m <sup>3</sup>	10	10	3	0	0
1.2.2.C		<b>PULPWOOD (ROUND AND SPLIT), CONIFEROUS</b>						
		Removals	1000 m <sup>3</sup>	2.067	2.088	2.088	2.070	2.070
		Imports	1000 m <sup>3</sup>	66 #	80 #	122	120	120
		Exports	1000 m <sup>3</sup>	388 #	400 #	372	370	370
		Apparent consumption	1000 m <sup>3</sup>	1.764	1.728	1.819	1.820	1.820
1.2.2.NC		<b>PULPWOOD (ROUND AND SPLIT), NON-CONIFEROUS</b>						
		Removals	1000 m <sup>3</sup>	2	0	0	0	0
		Imports	1000 m <sup>3</sup>	38 #	40 #	8	10	10
		Exports	1000 m <sup>3</sup>	0 #	0 #	0	0	0
		Apparent consumption	1000 m <sup>3</sup>	38	40	8	10	10
3		<b>WOOD CHIPS, PARTICLES AND RESIDUES</b>						
		Domestic supply	1000 m <sup>3</sup>	3.228 C	3.080 C	3.084	3.200	3.260
		Imports	1000 m <sup>3</sup>	138 C	143 C	143	140	140
		Exports	1000 m <sup>3</sup>	210 C	188 C	188	190	190
		Apparent consumption	1000 m <sup>3</sup>	3.164	3.048	3.041	3.160	3.200
1.2.3.C		<b>OTHER INDUSTRIAL ROUNDWOOD, CONIFEROUS</b>						
		Removals	1000 m <sup>3</sup>	483	503	514	510	510
1.2.3.NC		<b>OTHER INDUSTRIAL ROUNDWOOD, NON-CONIFEROUS</b>						
		Removals	1000 m <sup>3</sup>	48	48	48	50	50
1.1.C		<b>WOOD FUEL, CONIFEROUS</b>						

# 1. Joint Forest Sector Questionnaire



» Review current definitions, possible new structure of Fiberboard data

Current HS 2012

- Medium density fibreboard (MDF):

4411.12 - - Of a thickness not exceeding 5 mm

4411.13 - - Of a thickness exceeding 5 mm but not exceeding 9 mm

4411.14 - - Of a thickness exceeding 9 mm

- Other :

4411.92 - - Of a density exceeding 0.8 g/cm<sup>3</sup>

4411.93 - - Of a density exceeding 0.5 g/cm<sup>3</sup> but not exceeding 0.8 g/cm<sup>3</sup>

4411.94 - - Of a density not exceeding 0.5 g/cm<sup>3</sup>

Possible split (per EPF)

+		Wet process production	
		MDF -HDF	
		Insulating/ <u>Softboard</u>	
		Dry process production	
		MDF-HDF	
		Insulating	
		Hardboard	



# 1. Joint Forest Sector Questionnaire



» Continued collection of ECE/EU Species Trade

Product		Unit of Quantity	IMPORT				EXPORT			
			2012		2013		2012		2013	
			Quantity	Value	Quantity	Value	Quantity	Value	Quantity	Value
<b>Industrial Roundwood (wood in the rough), Coniferous</b>		1000 m <sup>3</sup> ub	73	3.811			3	120	12	608
Fir/Spruce ( <i>Abies</i> spp., <i>Picea</i> spp.)		1000 m <sup>3</sup> ub	46	2.399	31	2.379	3	120	2	116
sawlogs and veneer logs ( <i>Abies alba</i> , <i>Picea abies</i> )		1000 m <sup>3</sup> ub	16	1.177	13	1.141	0	0	0	0
pulpwood and other industrial roundwood ( <i>Abies alba</i> , <i>Picea abies</i> )		1000 m <sup>3</sup> ub	30	1.222	18	1.238	3	120	2	116
Pine ( <i>Pinus</i> spp.)		1000 m <sup>3</sup> ub	0	10	4	283	0	0	7	284
sawlogs and veneer logs ( <i>Pinus sylvestris</i> )		1000 m <sup>3</sup> ub	0	2	1	59	0	0	0	0
pulpwood and other industrial roundwood ( <i>Pinus sylvestris</i> )		1000 m <sup>3</sup> ub	0	8	3	224	0	0	7	284
Other / Non-specified		1000 m <sup>3</sup> ub	27	1.402	14	997	0	0	3	208
sawlogs and veneer logs		1000 m <sup>3</sup> ub	1	5	1	75	0	0	0	0
pulpwood and other industrial roundwood		1000 m <sup>3</sup> ub	26	1.345	13	922	0	0	3	208
<b>Industrial Roundwood (wood in the rough), Non-Coniferous</b>		1000 m <sup>3</sup> ub	14	546	35	1.688	10	3.232	3	1.468
of which: Oak ( <i>Quercus</i> spp.)		1000 m <sup>3</sup> ub	1	8	0	8	4	1.212	2	1.022
sawlogs and veneer logs		1000 m <sup>3</sup> ub	0	0	0	3	1.064	0	118	
pulpwood and other industrial roundwood		1000 m <sup>3</sup> ub	1	8	0	1	148	2	904	
of which: Beech ( <i>Fagus</i> spp.)		1000 m <sup>3</sup> ub	9	327	2	79	1	31	0	49
sawlogs and veneer logs		1000 m <sup>3</sup> ub	0	0	14	0	0	0	27	
pulpwood and other industrial roundwood		1000 m <sup>3</sup> ub	9	327	2	65	1	31	0	22
of which: Birch ( <i>Betula</i> spp.)		1000 m <sup>3</sup> ub	0	0	0	0	0	62	0	91
sawlogs and veneer logs		1000 m <sup>3</sup> ub	0	0	0	0	0	0	10	
pulpwood and other industrial roundwood		1000 m <sup>3</sup> ub	0	0	0	0	62	0	81	
of which: Poplar/Aspen ( <i>Populus</i> spp.)		1000 m <sup>3</sup> ub	4	211	33	1.601	1	129	1	306
of which: Eucalyptus ( <i>Eucalyptus</i> spp.)		1000 m <sup>3</sup> ub	0	0	0	0	0	0	0	
<b>Sawnwood, Coniferous</b>		1000 m <sup>3</sup>	281	46.144	224	39.944	2	309	3	559
of which: Fir/Spruce ( <i>Abies</i> spp., <i>Picea</i> spp.)		1000 m <sup>3</sup>	277	45.920	223	39.773	2	288	2	447
of which: Pine ( <i>Pinus</i> spp.)		1000 m <sup>3</sup>	1	216	1	171	0	21	1	112
<b>Sawnwood, Non-coniferous</b>		1000 m <sup>3</sup>	40	13.847	155	13.269	126	39.351	122	37.977
of which: Oak ( <i>Quercus</i> spp.)		1000 m <sup>3</sup>	27	9.012	145	10.587	17	6.631	12	6.248
of which: Beech ( <i>Fagus</i> spp.)		1000 m <sup>3</sup>	5	995	5	867	71	18.898	83	23.292
of which: Maple ( <i>Acer</i> spp.)		1000 m <sup>3</sup>	1	31	0	19	1	390	0	89
of which: Cherry ( <i>Prunus</i> spp.)		1000 m <sup>3</sup>	1	71	0	81	1	411	1	388
of which: Ash ( <i>Fraxinus</i> spp.)		1000 m <sup>3</sup>	3	1.205	4	1.619	5	2.452	4	2.841
of which: Poplar/Aspen ( <i>Populus</i> spp.)		1000 m <sup>3</sup>	1	150	1	96	24	4.568	22	5.119
of which: Birch ( <i>Betula</i> spp.)		1000 m <sup>3</sup>	0	0	0	0	0	0	0	0



# 1. Joint Forest Sector Questionnaire



» Post-consumer wood in wood residues

3	WOOD CHIPS, PARTICLES AND RESIDUES	1000 m <sup>3</sup>	672	462
3.1	WOOD CHIPS AND PARTICLES	1000 m <sup>3</sup>	347	164
3.2	WOOD RESIDUES (INCLUDING WOOD FOR AGGLOMERATES)	1000 m <sup>3</sup>	325	298





## 2. Statistical system: sharing and exchanging data

- » Difficulties in exchanging data between the various organizations
- » Incomplete data





# 3. Study updates



## Round wood balance

### IRW Balance for Albania

#### Summary

Total wood raw-material available for products	#	m <sup>3</sup>
Total solid wood equivalent in products:	24	m <sup>3</sup>
<b>Balance</b>	#	m <sup>3</sup>
<b>Percent of Imbalance</b>	#	

#### Note:

① wood raw material available for products is the subtraction of other wood flows from industrial round wood

② Other wood flows consist of mainly net fibre trade (exports-imports of chips, particles and residues) and industrial round wood not used in listed production (i.e. wood pellets as a product, coproducts, shingles)

Figure 1 Albania - Industrial Roundwood Availability and Wood Use by Product Sector

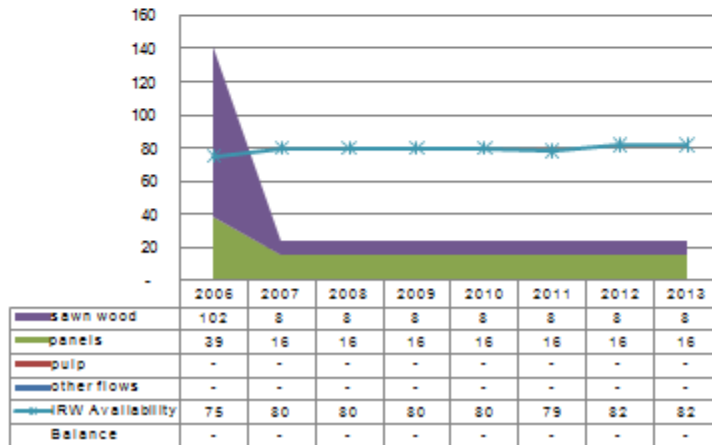


Figure 2 Albania - Balance as % of IRW availability



Note: Constant 0% means that the country doesn't belong to any subregion or sub-sub region.

Graph. Product Conversion Factor

Geographic Region	National	Sub-sub regional	Sub-regional	units (dried)
	Albania	South-East Europe	Europe	
SWE Sawnwood	1,05	1,05	1,04	m <sup>3</sup> /m <sup>3</sup>
SWE Plywood/Veneer	1,05	1,05	1,05	m <sup>3</sup> /m <sup>3</sup>
SWE Particleboard	1,50	1,50	1,45	m <sup>3</sup> swim/p
SWE OSB	1,63	1,63	1,63	m <sup>3</sup> swim/p
SWE Hardboard	1,93	1,93	2,25	m <sup>3</sup> swim/p
SWE MDF	1,70	1,70	1,71	m <sup>3</sup> swim/p
SWE Insulating Board	0,71	0,71	0,91	m <sup>3</sup> swim/p
SWE Mechanical Pulp	2,05	2,05	2,44	m <sup>3</sup> nwt
SWE Semi-chemical	2,07	2,07	2,39	m <sup>3</sup> nwt
SWE Chemical Pulp	4,09	4,09	4,03	m <sup>3</sup> nwt
SWE coniferous pulp	4,09	4,09	4,03	m <sup>3</sup> nwt
SWE non-coniferous pulp	4,09	4,09	4,03	m <sup>3</sup> nwt
Dissolving Grades	5,65		6,20	m <sup>3</sup> nwt

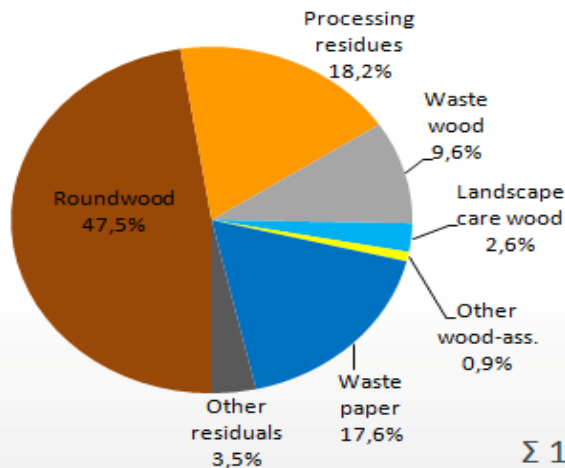
# 3. Study updates



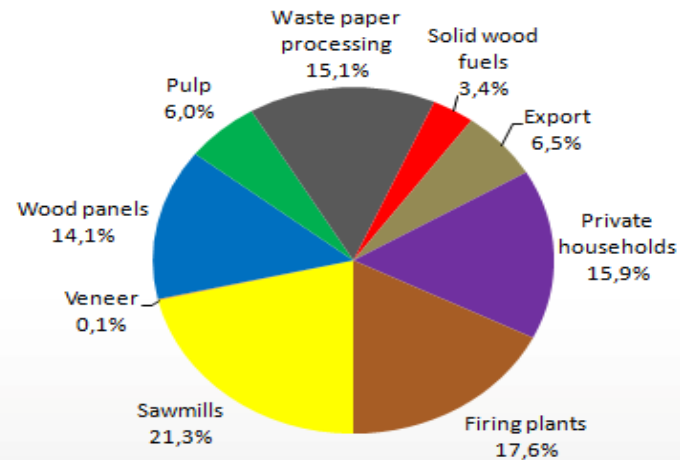
» Holger Weimar: calculating a wood fibre balance

## Results: Total balance of wood fibres

Sources of wood fibres



Uses of wood fibres



Σ 171 Mio. m<sup>3</sup> (f)



# 3. Study updates



» Conversion factor study

UNECE

United Nations  
Economic Commission for Europe



Food and Agriculture Organization  
of the United Nations

GENEVA TIMBER AND FOREST DISCUSSION PAPER 49

FOREST PRODUCT CONVERSION FACTORS  
FOR THE UNECE REGION



UNITED NATIONS



# 4. Classifications update



## Harmonized System Codes (HS Code)

Enter keywords or HS Code

Search

» HS 2017

» Initial proposals for HS 2022

- 44** WOOD & ARTICLES OF WOOD, WOOD CHARCOAL
- [4401](#) fuel wood in logs etc, wood in chips, etc.
- [4402](#) wood charcoal, whether or not agglomerated
- [4403](#) wood in the rough, stripped or not of sapwood etc
- [4404](#) hoopwood, split poles, pickets and stakes etc
- [4405](#) wood wool (excelsior), wood flour
- [4406](#) railway or tramway sleepers (cross-ties) of wood
- [4407](#) wood sawn or chipped length, sliced etc, ov6mm thick
- [4408](#) veneer sheets etc, not over 6 mm thick
- [4409](#) wood, continuously shaped (tongued, grooved etc.)
- [4410](#) particle board & similar board of wood etc.
- [4411](#) fiberboard of wood or other ligneous materials
- [4412](#) plywood, veneered panels & similar laminated wood
- [4413](#) densified wood blocks/plates/strips/profile shapes
- [4414](#) wooden frames paintings, photographs, mirrors, etc
- [4415](#) packing cases etc of wood, pallets etc of wood
- [4416](#) casks, barrels, vats, etc. and parts, of wood
- [4417](#) tools, tool & broom bodies etc shoe last/trees wood
- [4418](#) builders' joinery and carpentry of wood
- [4419](#) tableware and kitchenware, of wood
- [4420](#) wood marquetry etc, jewel case etc & wood furn nesoi
- [4421](#) articles of wood, nesoi



# Next meetings, timing and location

- » Same time as the Working Party or other Teams was a good solution





## Questions from ToS Report for 2015

1. How to encourage continuous involvement in statistical questions
2. How to bring out issues affecting team members in their work on forest products statistics
3. Increasing resources and fulfilling mandated activities in the programme of work
4. Expand participation and nomination of experts





For more information please visit [www.unece.org/forests](http://www.unece.org/forests)  
or contact [alex.mccusker@unece.org](mailto:alex.mccusker@unece.org)

