



Joint Forest Sector Questionnaire: JFSQ Introduction



Forest Product Statistics Webinar

3 April 2023



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- Background and Deadlines
- JFSQ structure
- Product structure
- Questionnaire structures: JQ1, 2 and 3, ECE-EU

JFSQ Background

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- Managed by the Intersecretariat Working Group on Forest Sector Statistics
 - ECE, FAO, Eurostat, ITTO
 - JFSQ Replies are shared among the 4 organizations
- Available in English, French, Russian, Spanish
- 2022 Cycle:
 - Sent to National Correspondents on 7 April
 - ECE deadline for replies: 19 May

JFSQ Structure: JQ1, 2 and 3; ECE-EU

JQ 1

Removals

Primary
Products
Production

JQ 2

Primary
Products
Trade

JQ 3

Secondary
Products
Trade

ECE-EU

Species Trade
*(Industrial
Roundwood,
Sawnwood)*

Product Structure, JQ code

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- ECE/FAO: “Bottom-up” approach: subitems sum to aggregates (top level; single digit)
- Subitems start with aggregate number
- Species group identified with C (Coniferous) or NC (non-coniferous) or NC.T (tropical)
- “Of which” indicates subitem list is not complete

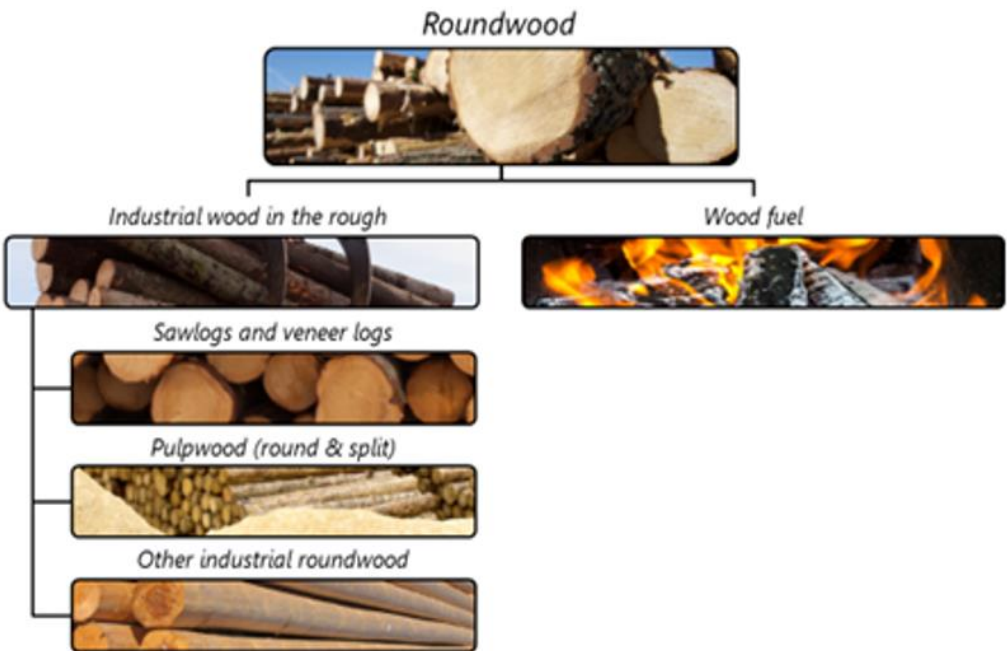
8	WOOD-BASED PANELS	1000 m ³
8.1	PLYWOOD	1000 m ³
8.1.C	Coniferous	1000 m ³
8.1.NC	Non-Coniferous	1000 m ³
8.1.NC.T	of which: Tropical	1000 m ³
8.1.1	of which: Laminated Veneer Lumber (LVL)	1000 m ³
8.1.1.C	Coniferous	1000 m ³
8.1.1.NC	Non-Coniferous	1000 m ³
8.1.1.NC.T	of which: Tropical	1000 m ³
8.2	PARTICLE BOARD, ORIENTED STRAND BOARD (OSB) AND SIMILAR BOARD	1000 m ³
8.2.1	of which: ORIENTED STRAND BOARD (OSB)	1000 m ³
8.3	FIBREBOARD	1000 m ³
8.3.1	HARDBOARD	1000 m ³
8.3.2	MEDIUM/HIGH DENSITY FIBREBOARD (MDF/HDF)	1000 m ³
8.3.3	OTHER FIBREBOARD	1000 m ³

Product Structure Diagram

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The full structure is included in the JFSQ Manual








$$\begin{aligned}
 1 &= 1.1 + 1.2 \\
 1.1 &= 1.1.C + 1.1.NC \\
 1.2 &= 1.2.1 + 1.2.2 + 1.2.3 \\
 &= 1.2.C + 1.2.NC \\
 &= 1.2.1.C + 1.2.1.NC + 1.2.2.C + 1.2.2.NC + 1.2.3.C + 1.2.3.NC \\
 1.2.C &= 1.2.1.C + 1.2.2.C + 1.2.3.C \\
 1.2.NC &= 1.2.1.NC + 1.2.2.NC + 1.2.3.NC \\
 1.2.NC &\geq 1.2.NC.T \\
 1.2.1 &= 1.2.1.C + 1.2.1.NC \\
 1.2.2 &= 1.2.2.C + 1.2.2.NC \\
 1.2.3 &= 1.2.3.C + 1.2.3.NC \\
 \\
 3 &= 3.1 + 3.2 \\
 3.2 &\geq 3.2.1
 \end{aligned}$$

JQ1 Questionnaire Structure

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- Covers **removals** and **production** by *volume*
- For **primary products**, roundwood, sawnwood, panels, pulp and paper
- Units of 1000 m³ or 1000 metric tonnes

    		Country: 0	Date:
<p style="text-align: center;">FOREST SECTOR QUESTIONNAIRE JQ1 PRIMARY PRODUCTS Removals and Production</p>		Name of Official responsible: 0	0
		Official Address (in full):	0
		Telephone: 0	0
		E-mail: 0	
		Year 1	Year 2
		2021	2022
		Quantity	Quantity
ALL REMOVALS OF ROUNDWOOD (WOOD IN THE ROUGH)			
1	ROUNDWOOD (WOOD IN THE ROUGH)	1000 m ³ ub	
1.1	WOOD FUEL (INCLUDING WOOD FOR CHARCOAL)	1000 m ³ ub	
1.1.C	Coniferous	1000 m ³ ub	
1.1.NC	Non-Coniferous	1000 m ³ ub	
1.2	INDUSTRIAL ROUNDWOOD	1000 m ³ ub	
1.2.C	Coniferous	1000 m ³ ub	
1.2.NC	Non-Coniferous	1000 m ³ ub	
1.2.NC.T	of which: Tropical	1000 m ³ ub	
1.2.1	SAWLOGS AND VENEER LOGS	1000 m ³ ub	
1.2.1.C	Coniferous	1000 m ³ ub	
1.2.1.NC	Non-Coniferous	1000 m ³ ub	
1.2.2	PULPWOOD, ROUND AND SPLIT (INCLUDING WOOD FOR PARTICLE BOARD, OSB AND FIBREBOARD)	1000 m ³ ub	
1.2.2.C	Coniferous	1000 m ³ ub	
1.2.2.NC	Non-Coniferous	1000 m ³ ub	
1.2.3	OTHER INDUSTRIAL ROUNDWOOD	1000 m ³ ub	
1.2.3.C	Coniferous	1000 m ³ ub	
1.2.3.NC	Non-Coniferous	1000 m ³ ub	

JQ1 Questionnaire Structure

FORESTS



- Covers **removals** and **production** by *volume*, 1000 m³ or 1000 metric tonnes
- For **primary products**, roundwood, sawnwood, panels, pulp and paper

Product Code	Product	Unit	Year 1	Year 2	Flag	Flag	Note	Note
			2021	2022	2021	2022	2021	2022
			Quantity	Quantity				
ALL REMOVALS OF ROUNDWOOD (WOOD IN THE ROUGH)								
1	ROUNDWOOD (WOOD IN THE ROUGH)	1000 m ³ ub						
1.1	WOOD FUEL (INCLUDING WOOD FOR CHARCOAL)	1000 m ³ ub						
1.1.C	Coniferous	1000 m ³ ub						
1.1.NC	Non-Coniferous	1000 m ³ ub						
1.2	INDUSTRIAL ROUNDWOOD	1000 m ³ ub						
1.2.C	Coniferous	1000 m ³ ub						
1.2.NC	Non-Coniferous	1000 m ³ ub						
1.2.NC.T	of which: Tropical	1000 m ³ ub						
1.2.1	SAWLOGS AND VENEER LOGS	1000 m ³ ub						
1.2.1.C	Coniferous	1000 m ³ ub						
1.2.1.NC	Non-Coniferous	1000 m ³ ub						

JQ1 Main Items

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Product Code	Product	Unit	2021	2022	Flag	Flag	Note	Note
			Quantity	Quantity	2021	2022	2021	2022
ALL REMOVALS OF ROUNDWOOD (WOOD IN THE ROUGH)								
1	ROUNDWOOD (WOOD IN THE ROUGH)	1000 m ³ ub						
1.1	WOOD FUEL (INCLUDING WOOD FOR CHARCOAL)	1000 m ³ ub						
1.2	INDUSTRIAL ROUNDWOOD	1000 m ³ ub						
PRODUCTION								
2	WOOD CHARCOAL	1000 t						
3	WOOD CHIPS, PARTICLES AND RESIDUES	1000 m ³						
4	RECOVERED POST-CONSUMER WOOD	1000 t						
5	WOOD PELLETS AND OTHER AGGLOMERATES	1000 t						
6	SAWNWOOD (INCLUDING SLEEPERS)	1000 m ³						
7	VENEER SHEETS	1000 m ³						
8	WOOD-BASED PANELS	1000 m ³						
9	WOOD PULP	1000 t						
10	OTHER PULP	1000 t						
11	RECOVERED PAPER	1000 t						
12	PAPER AND PAPERBOARD	1000 t						
15	GLULAM AND CROSS-LAMINATED TIMBER (CLT or X-LAM) ¹	1000 m ³						
16	I BEAMS (I-JOISTS) ¹	1000 t						

¹ Glulam, CLT and I Beams are classified as [secondary wood products](#) but for ease of reporting are included here

m³ub = cubic metres solid volume underbark (i.e. excluding bark)

m³ = cubic metres solid volume

t = metric tonnes

Please complete each cell if possible with

data (numerical value)

or "..." for not available

or "0" for zero data

Please avoid blank cells: use symbols!



Symbol	Meaning	Note
...	Data not available	If no data is available, you may consider making an estimate rather than reporting data not available (“...”). Well-founded and timely estimates (e.g. based on industry publications) are preferable to reporting that data is not available. You will have the possibility to correct your data later when final official figures are available.
0	nil (zero)	For values that are less than half the unit indicated, you are requested to increase the decimal places so that it is clear the value is not 0
+++	Confidential	This should be used if confidential data is not reported. The alternative is to report confidential data with status code (flag) 6. Where items are reported to be confidential with +++, the secretariat may repeat the previous year’s data or estimate the values using other techniques.
Note: Please do not leave blank cells for a given item/unit/year, as this makes it unclear whether the data are not available or whether they are zero		



Where the status code cell is left blank:

- All national data for year 2 is considered provisional national data
- All national data for year 1 is considered official data

Status Code	Status	Definition (ECE published)	Notes
5	Repeated	Data repeated from previous year.	Data that is repeated in the national submission will be flagged as a national estimate. In the UNECE database, the “repeated” flag is used only for data repeated by the secretariat.
6	Do Not Publish	Should not appear (confidential data)	Confidential data will not be published, but may be used to calculate aggregates when possible to do so without revealing the underlying confidential data. For publication of the database, the secretariat may also choose to repeat historical data or include an estimate (e.g. based on the overall trend) that does not use or reveal the confidential data.
9	National estimate	Unofficial data provided by country.	Will be flagged as a national estimate in ECE database

Notes

A woman wearing a camouflage cap and a high-visibility vest is looking down at a tablet device. She is standing in a forest with a large pile of cut logs in the foreground. The background is filled with green trees and foliage.

Notes provided in the JFSQ will not be published but can be useful to provide context when processing your submission for publication.

For example, you may note known issues, such as an explanation for:

- Negative apparent consumption (production + imports – exports)
- Large increases in values or volumes from one year to the next
- Negative wood balance

Checks

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This table highlights discrepancies between items and sub-items. Please verify your data if there's an error!

Discrepancies

Product Code	Product	Unit	2021 Quantity	2022 Quantity
	ALL REMOVALS OF ROUNDWOOD (WOOD IN THE ROUGH)			
1	ROUNDWOOD (WOOD IN THE ROUGH)	1000 m ³ ub	0	0
1.1	WOOD FUEL (INCLUDING WOOD FOR CHARCOAL)	1000 m ³ ub	0	0
1.1.C	Coniferous	1000 m ³ ub		
1.1.NC	Non-Coniferous	1000 m ³ ub		
1.2	INDUSTRIAL ROUNDWOOD	1000 m ³ ub	0	0
1.2.C	Coniferous	1000 m ³ ub	0	0
1.2.NC	Non-Coniferous	1000 m ³ ub	0	0
1.2.NC.T	of which: Tropical	1000 m ³ ub		
1.2.1	SAWLOGS AND VENEER LOGS	1000 m ³ ub	0	0
1.2.1.C	Coniferous	1000 m ³ ub		
1.2.1.NC	Non-Coniferous	1000 m ³ ub		
1.2.2	PULPWOOD, ROUND AND SPLIT (INCLUDING WOOD FOR PARTICLE	1000 m ³ ub	0	0



Industrial Roundwood Balance

test for good numbers, missing number, bad number, negative number

	2018	2019	% change	Conversion factors
Roundwood				m3 of wood in m3 or mt of product
Industrial roundwood availability	0	0	missing data	
Recovered wood used in particle board	0	0	missing data	Solid wood equivalent
Solid Wood				
agglomerate production	0	0	missing data	2.4
Sawnwood production	Missing data	Missing data	missing data	1
veneer production	Missing data	Missing data	missing data	1
plywood production	Missing data	Missing data	missing data	1
particle board production (incl OSB)	missing data	missing data	missing data	1.58
fibreboard production	missing data	missing data	missing data	1.8
mechanical/semi-chemical pulp production	missing data	missing data	missing data	2.5
chemical pulp production	missing data	missing data	missing data	4.9
dissolving pulp production	missing data	missing data	missing data	5.7
Availability				
Solid Wood Demand	missing data	missing data	missing data	
Difference (roundwood-demand)	missing data	missing data	missing data	<i>positive = surplus</i>
gap (demand/availability)	missing data	missing data		<i>Negative number means not enough roundwood available</i>
				<i>Positive number means more roundwood available than demanded</i>




% of particle board that is from recovered wood	35%
share of agglomerates produced from industrial roundwood residues	100%
usable industrial roundwood - amount of roundwood that is used, remainder leaves industry	98.5%

JQ2 Questionnaire Structure

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- JQ2 covers **imports** and **exports**
- Includes both *volume* and *value* (1000 national currency)
- JQ2 has the same products in the same order as JQ1

 UNECE   Food and Agriculture Organization of the United Nations				FOREST SECTOR QUESTIONNAIRE JQ2 PRIMARY PRODUCTS Trade				Country: 0 Date:		
						Name of Official responsible for report: 0				
						Official Address (in full): 0				
						Telephone: 0	Fax: 0			
						E-mail: 0				
Specify Currency and Unit of Value (e.g.:1000 USD): _____										
Product code	Product	Unit of quantity	I M P O R T				E X P O R T			
			2021		2022		2021		2022	
			Quantity	Value	Quantity	Value	Quantity	Value	Quantity	Value
1	ROUNDWOOD (WOOD IN THE ROUGH)	1000 m ³ ub								
1.1	WOOD FUEL (INCLUDING WOOD FOR CHARCOAL)	1000 m ³ ub								
1.1.C	Coniferous	1000 m ³ ub								
1.1.NC	Non-Coniferous	1000 m ³ ub								
1.2	INDUSTRIAL ROUNDWOOD	1000 m ³ ub								
1.2.C	Coniferous	1000 m ³ ub								
1.2.NC	Non-Coniferous	1000 m ³ ub								
1.2.NC.T	of which: Tropical ¹	1000 m ³ ub								

JQ2: Trade in Tropical Species

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Tropical¹: (1) Please include the non-coniferous non-tropical species exported by tropical countries or imported from tropical countries.

Product Code	Product	Classifications	
		HS2022	HS2017
1	ROUNDWOOD (WOOD IN THE ROUGH)	4401.11/12 44.03	4401.11/12 44.03
1.1	WOOD FUEL (INCLUDING WOOD FOR CHARCOAL)	4401.11/12	4401.11/12
1.1.C	Coniferous	4401.11	4401.11
1.1.NC	Non-Coniferous	4401.12	4401.12
1.2	INDUSTRIAL ROUNDWOOD	44.03	44.03
1.2.C	Coniferous	4403.11/21/22/23/24/25/26	4403.11/21/22/23/24/25/26
1.2.NC	Non-Coniferous	4403.12/41/42/49/91/93/94/95/96/97/98/99	4403.12/41/49/91/93/94/95/96/97/98/99
1.2.NC.T	of which: Tropical ¹	4403.41/42/49	ex4403.12+ 4403.41/49






- Applicable for Roundwood (1.2.NC.T) and Sawnwood (6.NC.T) on **JQ2** & **ITTO1**.
- This requires checking country-specific trade flows

JQ3 Questionnaire Structure

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JQ3 covers imports and exports in *value only* for secondary products

    				Country: 0 Date: 0									
FOREST SECTOR QUESTIONNAIRE JQ3 SECONDARY PROCESSED PRODUCTS Trade				Name of Official responsible for reply: 0									
Specify Currency and Unit of Value (e.g.:1000 US \$): _____				Official Address (in full): 0									
				Telephone/Fax: 0 0									
				E-mail: 0									
Product code	Product	IMPORT VALUE		EXPORT VALUE		Flag Import		Flag Export		Note Import		Note Export	
		2021	2022	2021	2022	2021	2022	2021	2022	2021	2022	2021	2022
13	SECONDARY WOOD PRODUCTS												
13.1	FURTHER PROCESSED SAWNWOOD												
13.1.C	Coniferous												
13.1.NC	Non-coniferous												
13.1.NC.T	of which: Tropical												
13.2	WOODEN WRAPPING AND PACKAGING MATERIAL												
13.3	WOOD PRODUCTS FOR DOMESTIC/DECORATIVE USE												
13.4	BUILDER'S JOINERY AND CARPENTRY OF WOOD ¹												

ECE-EU Questionnaire Structure

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- Species level imports and exports in *value only* for industrial roundwood and sawnwood
- Only countries reporting to Eurostat complete cells shaded in blue

Product Code	Classification HS2022	Classification CN2022	Product	Unit of Quantity	IMPORT				EXPORT				
					2021		2022		2021		2022		
					Quantity	Value	Quantity	Value	Quantity	Value	Quantity	Value	
1.2.C	4403.11/21/22/23/24/25/26		Industrial Roundwood, Coniferous	1000 m ³ ub									
	4403.21/22		of which: Pine (<i>Pinus</i> spp.)	1000 m ³ ub									
		4403 21 10	sawlogs and veneer logs	1000 m ³ ub									
		4403 21 90	pulpwood and other industrial roundwood	1000 m ³ ub									
		4403 22 00											
	4403.23/24		of which: Fir/Spruce (<i>Abies</i> spp., <i>Picea</i> spp.)	1000 m ³ ub									
		4403 23 10	sawlogs and veneer logs	1000 m ³ ub									
		4403 23 90	pulpwood and other industrial roundwood	1000 m ³ ub									
		4403 24 00											
1.2.NC	4403.12/41/42/49/91/93/94 4403.95/96/97/98/99		Industrial Roundwood, Non-Coniferous	1000 m ³ ub									

JFSQ Guidance and Reference Materials

- Manual
 - How to complete JFSQ
 - Product structure
 - Standard symbols
 - Changes this year
- Conversion factors
- Classifications available
 - Annex 1: Production – CPC
 - Annex 2 and 3: Trade – HS 2022, HS 2017, 2012, SITC Rev.4
 - Annex 4: Individual codes
- Product definitions are in separate file

NOTE THESE ARE ONLY GENERAL FACTORS. IT WOULD BE PREFERABLE TO USE SPECIES- OR COUNTRY-SPECIFIC FACTORS

Multiply the quantity expressed in units on the right side of "per" with the factor to get the value expressed in units on left side of "per".

Items in BOLD RED text were added to the JFSQ in February 2023

Conversion Factors

Product Code	Product	JFSQ Quantity Unit	Results from UNECE/FAO/ITTO 2020 publication "Forest Product Conversion Factors"							UNECE/FAO Engineered Wood Products Questionnaire (last revised 2020)		Results from UNECE/FAO 2009 Conversion Factors Questionnaire (median)		
			volume to weight			volume/weight of finished product to volume of roundwood			Notes to Results	volume to weight	Notes to Results	volume to weight	volume/weight of finished product to volume of roundwood	Notes to Results
			m ³ per MT	m ³ per MT	m ³ per MT	Roundwood equivalent	Roundwood equivalent	Roundwood equivalent		m ³ per MT		m ³ per MT	Roundwood equivalent	
			Europe	NA**	EECCA**	Europe	NA**	EECCA**						
1	ROUNDWOOD (WOOD IN THE ROUGH)	1000 m ³ ub												
1.1	WOOD FUEL, INCLUDING WOOD FOR	1000 m ³ ub												
1.1.C	Coniferous	1000 m ³ ub	1.64						typical shipping weight			Green = 1.12		and 20% moisture seasoned
		1000 m ³ ub										Seasoned = 1.82		Based on 407 kg/m ³ dry, assuming 20% moisture
1.1.NC	Non-Coniferous	1000 m ³ ub	1.11						typical shipping weight			Green=1.05		.55, and 20% moisture seasoned
		1000 m ³ ub										Seasoned=1.43		
1.2	INDUSTRIAL ROUNDWOOD	1000 m ³ ub												
1.2.C	Coniferous	1000 m ³ ub	1.11	1.08	1.27				Averaged pulp and log			1.10		industrial roundwood
1.2.C.Fir	Fir (and Spruce)	1000 m ³ ub										1.21		of standing inventory of European speices (57%
1.2.C.Pine	Pine	1000 m ³ ub										1.08		Scots Pine, 2% maritime pine, 2% black pine and
1.2.NC	Non-Coniferous	1000 m ³ ub	0.98	1.02	1.15							0.91		industrial roundwood
1.2.NC.T	of which:Tropical	1000 m ³ ub										AFRICA=1.31,		2005, ITTO Annual Review 2007, table 3-2-a
1.2.1	SAWLOGS AND VENEER LOGS	1000 m ³ ub	1.04	0.96	1.12							1.05		weight but not in volume.
1.2.1.C	Coniferous	1000 m ³ ub	1.10	1.00	1.19							1.07		weight but not in volume.
1.2.1.NC	Non-Coniferous	1000 m ³ ub	0.97	0.92	1.04							0.91		weight but not in volume.
1.2.NC.Beech	Beech	1000 m ³ ub										0.92		Austrian Energy Agency, 2009
1.2.NC.Birch	Birch	1000 m ³ ub										0.88		Austrian Energy Agency, 2009
1.2.NC.Eucalypt	Eucalyptus	1000 m ³ ub										0.77		ATIBT, 1982
1.2.NC.Oak	Oak	1000 m ³ ub										0.88		Austrian Energy Agency, 2009
1.2.NC.Poplar	Poplar	1000 m ³ ub										1.06		Austrian Energy Agency, 2009
1.2.2	PULPWOOD (ROUND & SPLIT)	1000 m ³ ub	1.05	1.14	1.30				Averaged C & NC			1.08		weight but not in volume.
1.2.2.C	Coniferous	1000 m ³ ub	1.11	1.16	1.35							1.12		weight but not in volume.
1.2.2.NC	Non-Coniferous	1000 m ³ ub	0.98	1.11	1.25							0.91		weight but not in volume.
1.2.3	OTHER INDUSTRIAL ROUNDWOOD	1000 m ³ ub										1.07		
1.2.3.C	Coniferous	1000 m ³ ub	1.11	1.16	1.35				used pulpwood data			1.12		same as 1.2.2.C
1.2.3.NC	Non-Coniferous	1000 m ³ ub	0.98	1.11	1.25							0.91		same as 1.2.2.NC
2	WOOD CHARCOAL	1000 MT				6 m ³ rw/tonne						5.35		Does not include the use of any of the wood fiber to
3	WOOD CHIPS, PARTICLES AND RESIDUES	1000 m ³												
3.1	WOOD CHIPS AND PARTICLES	1000 m ³	1.205	1.07		1.21	1.08		m ³ /MT = green			softwood=1.19	1.205	odmt of 2.0 in solid m ³
		1000 m ³										hardwood = 1.05	1.123	odmt of 1.79 in solid m ³
		1000 m ³							Woodchip, Green			mix = 1.15		
3.2	WOOD RESIDUES	1000 m ³	1.205	1.07		1.21	1.08		Based on wood			Green=1.15		Based on wood chips
		1000 m ³	2.12			2.07						Seasoned = 2.12	2.07	basic density of .42 from questionnaire and
3.2.1	of which: SAWDUST	1000 m ³	1.205	1.07		1.21	1.08		Based on wood					
4	RECOVERED POST-CONSUMER WOOD	1000 mt												Convert to dry weight for energy purposes (multiply

Please note that these factors are general and should only be used if you find it impossible to locate country- and product-specific factors

8.1.1	of which: LAMINATED VENEER LU	1000 m ³								1.69	Same as coniferous plywood			
8.1.1.C	Coniferous	1000 m ³								1.69	Same as coniferous plywood			
8.1.1.NC	Non-Coniferous	1000 m ³								no data				
8.1.1.NC.T	of which:Tropical	1000 m ³								no data				




JFSQ – PRODCOM Correspondence

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- [Prodcom](#) headings are coded using an eight-digit numerical code.
 - The first six digits are identical to those of the [Statistical Classification of Products by Activity](#) (CPA) code. Thus Prodcom list is fully consistent with the CPA.
 - JFSQ Annex 1 provides a correspondence table for CPC Version 2.1
- A CPC Ver. 2.1 – CPA2.1 Correspondence Table is published by the UN Statistical Division, available at <https://unstats.un.org/unsd/classifications/Econ/CPC.cshtml>

Correspondences

CPC Correspondence Tables					
FROM / TO	CPC prov	CPC Ver. 1.0	CPC Ver. 1.1	CPC Ver. 2	CPC Ver. 2.1
Prodcom2002	-	-	 	-	-
★ New CPA 2.1	-	-	-	-	 

JFSQ – PRODCOM Correspondence

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Product Code	Product	Central Product Classification Version 2.1 (CPC Ver. 2.1)
REMOVALS OF ROUNDWOOD (WOOD IN THE ROUGH)		
1	ROUNDWOOD (WOOD IN THE ROUGH)	031
1.1	WOOD FUEL (INCLUDING WOOD FOR CHARCOAL)	0313
1.1.C	Coniferous	03131
1.1.NC	Non-Coniferous	03132
1.2	INDUSTRIAL ROUNDWOOD	0311 0312
1.2.C	Coniferous	0311
1.2.NC	Non-Coniferous	0312
1.2.NC.T	of which: Tropical	ex0312
1.2.1	SAWLOGS AND VENEER LOGS	ex03110 ex03120
1.2.1.C	Coniferous	ex03110
1.2.1.NC	Non-Coniferous	ex03120
1.2.2	PULPWOOD, ROUND AND SPLIT (INCLUDING WOOD FOR PARTICLE BOARD, OSB AND FIBREBOARD)	ex03110 ex03120
1.2.2.C	Coniferous	ex03110
1.2.2.NC	Non-Coniferous	ex03120
1.2.3	OTHER INDUSTRIAL ROUNDWOOD	ex03110 ex03120
1.2.3.C	Coniferous	ex03110
1.2.3.NC	Non-Coniferous	ex03120
PRODUCTION		
2	WOOD CHARCOAL	ex34510
3	WOOD CHIPS, PARTICLES AND RESIDUES	ex31230 ex39283
3.1	WOOD CHIPS AND PARTICLES	ex31230
3.2	WOOD RESIDUES (INCLUDING WOOD FOR AGGLOMERATES)	ex39283
4	RECOVERED POST-CONSUMER WOOD	ex39283



Thank you!



Daniel Griswold
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UNECE/FAO Forestry and Timber Section



Joint Forest Sector Questionnaire: Updates to JFSQ for 2022 data



Based on slides developed by Melinda Verebelyine Dosa,
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Forest Product Statistics Webinar

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The background of the slide is a photograph of a modern architectural interior. It features several large, curved, ribbed wooden structures that create a sense of depth and movement. The ribs are closely spaced and follow the curve of the structures, which appear to be part of a ceiling or a large-scale wall installation. The lighting is soft and even, highlighting the natural texture and color of the wood.

Changes in the questionnaire

- New products
- Changes to JQ Structure
- ⇒ HS codes updated (see Annex 2 in the JFSQ!)

1. New products - Sawdust

- *Definition:* Sawdust **not agglomerated** in logs, briquettes, pellets or similar forms. It is reported in cubic metres solid volume excluding bark
- *Tables affected:* JQ1 Production, JQ2 Trade (and for Eurostat Countries: EU1 Extra EU Trade)

3	WOOD CHIPS, PARTICLES AND RESIDUES	1000 m ³
3.1	WOOD CHIPS AND PARTICLES	1000 m ³
3.2	WOOD RESIDUES (INCLUDING WOOD FOR AGGLOMERATES)	1000 m ³
3.2.1	of which: Sawdust	1000 m ³

1. New products – Laminated Veneer Lumber

- *Definition:* An engineered lumber composite used to build structures ... It is composed of layers of wood veneer, the grain of the outer veneers and most or all other veneers running parallel to the longitudinal axis (e.g. successive veneers). Logs are peeled into thin veneers and glued together under heat and pressure...
- Tables affected: JQ1 Production, JQ2 Trade (and for Eurostat Countries: EU1 Extra EU Trade)

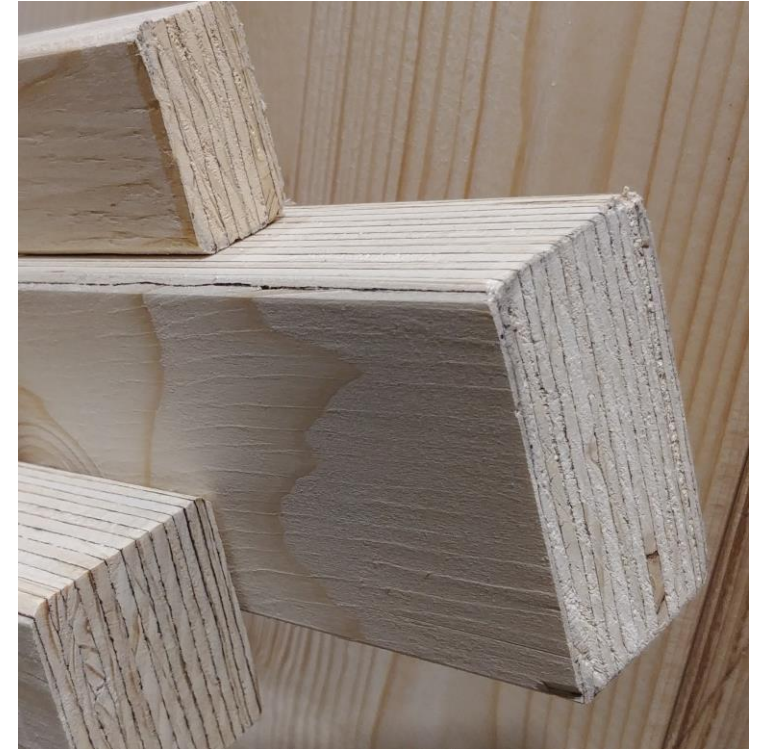


Photo credit: Florian Steierer

8	WOOD-BASED PANELS	1000 m ³
8.1	PLYWOOD	1000 m ³
8.1.C	Coniferous	1000 m ³
8.1.NC	Non-Coniferous	1000 m ³
8.1.NC.T	of which: Tropical	1000 m ³
8.1.1	of which: Laminated Veneer Lumber (LVL)	1000 m ³
8.1.1.C	Coniferous	1000 m ³
8.1.1.NC	Non-Coniferous	1000 m ³
8.1.1.NC.T	of which: Tropical	1000 m ³

1. New products – Glulam

GLUED LAMINATED TIMBER: A massive structural member constructed of multiple layers of timber that are glued together with the grain of each layer oriented parallel to those of the successive layers.



Photo: Wikipedia, Creative Commons Attribution-ShareAlike 3.0 Unported License

1. New products – CLT

- CROSS-LAMINATED TIMBER (CLT or X-Lam): Cross-laminated timber (CLT, also referred to as X-lam or cross-ply timber) is a large structural building panel constructed of at least three layers of wood laminated together. Each layer is constructed of multiple solid timber boards ... that have been placed side by side, whether or not glued together.
- The wood grain of each layer is typically oriented at a right angle to the grain of adjacent layers. CLT is distinct from plywood as it is constructed from multiple pieces of solid sawn timber oriented in layers rather than sheets of veneer ...



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1. New products – I Beams (I Joists)

- *Definition:* I-Beams (also called I-joists) are "I" shaped engineered wood structural members and are comprised of top and bottom flanges (horizontal members), united with webs (vertical members). The flange material is typically laminated veneer lumber (LVL) or solid sawn timber, and the web is made with plywood or oriented strand board (OSB).



1. New products – Glulam, CLT and I-Beams

- Tables affected: JQ1 Production, JQ2 Trade (and for Eurostat Countries: EU1 Extra EU Trade)

15	GLULAM AND CROSS-LAMINATED TIMBER (CLT or X-LAM)¹	1000 m³
15.1	GLULAM	1000 m³
15.2	CROSS-LAMINATED TIMBER (CLT or X-LAM)	1000 m³
16	I BEAMS (I-JOISTS)¹	1000 t

- Although Glulam, CLT and I-Beams are classified as secondary products, for the ease of reporting they are added to tables above.



2. Changes to Structure – JQ3

Revised definition of *builders' joinery and carpentry of wood* (item 13.4) to **exclude**:

- Laminated Veneer Lumber
- Glulam
- Cross-Laminated Timber
- I-Beams.

2. Changes to Structure – ECE/EU

1.2.C	4403.11/21/22/23/24/25/26		Industrial Roundwood, Coniferous	1000 m ³ ub
	4403.23/24		Fir/Spruce (<i>Abies</i> spp., <i>Picea</i> spp.)	1000 m ³ ub
		4403 23 10	sawlogs and veneer logs	1000 m ³ ub
		4403 23 90	pulpwood and other industrial roundwood	1000 m ³ ub
		4403 24 00		1000 m ³ ub
	4403.21/22		Pine (<i>Pinus</i> spp.)	1000 m ³ ub
		4403 21 10	sawlogs and veneer logs	1000 m ³ ub
		4403 21 90	pulpwood and other industrial roundwood	1000 m ³ ub
		4403 22 00		1000 m ³ ub
6.C	4406.11/91 4407.11/12/19		Sawnwood, Coniferous	1000 m ³
	4407.12		of which: Fir/Spruce (<i>Abies</i> spp., <i>Picea</i> spp.)	1000 m ³
	4407.11		of which: Pine (<i>Pinus</i> spp.)	1000 m ³
6.NC	4406.12/92 4407.21/22/25/26/27/28/2		Sawnwood, Non-coniferous	1000 m ³
	4407.91		of which: Oak (<i>Quercus</i> spp.)	1000 m ³
	4407.92		of which: Beech (<i>Fagus</i> spp.)	1000 m ³
	4407.93		of which: Maple (<i>Acer</i> spp.)	1000 m ³
	4407.94		of which: Cherry (<i>Prunus</i> spp.)	1000 m ³
	4407.95		of which: Ash (<i>Fraxinus</i> spp.)	1000 m ³
	4407.97		of which: Poplar/Aspen (<i>Populus</i> spp.)	1000 m ³
	4407.96		of which: Birch (<i>Betula</i> spp.)	1000 m ³

3. Changes in HS codes

FAO website:

<https://www.fao.org/forestry/45489-01f1416c463833c99c74f92583b4df4f2.pdf>

Forest product statistics send by email

Classification and definitions of forest products 2022

The **Classification forest products 2022** incorporates many new products, including engineered wood products, to reflect innovation and change in the forest sector.

“The structure of the forest industry has shifted significantly in the last four decades towards high value products and increasingly diverse end-uses, often driven by technological improvements and innovations,” said FAO Forestry Officer Ashley Steel.

“These changes are reflected in new classification codes, which will enable the collection, compilation, analysis and dissemination of high-quality global data on forest products that is comparable across countries.” [Read more]

Classifications and standards

- Classification of forest products 2022 (FAO)
- FAOSTAT-Forestry Production Statistics – Data Structure [PDF](#)
- FAOSTAT-Forestry definitions [PDF](#)
- Joint Forest Sector Questionnaire definitions 2020(Eurostat/FAO/ITTO/UNECE) [PDF](#)
- Joint Forest Sector Questionnaire 2020 (Eurostat/FAO/ITTO/UNECE) [PDF](#)
- FAO's contribution to the Harmonized System nomenclature (HS2017)
- New HS2022 codes for forest products [PDF](#)**

3. Changes in HS codes

Changes in agricultural and forest product codes in the Harmonized System (HS) nomenclature maintained by the World Customs Organization (WCO)

FAO on behalf of the [Intersecretariat Working Group \(IWG\)](#) on Forest Sector Statistics (Eurostat, FAO, ITTO and UNECE) submitted a proposal for amendments to WCO in April 2017. The proposal was examined by WCO's HS Review Sub Committee and Harmonized System Committee in 2017-2019, and [finally accepted](#) in January 2020.

HS 2017	HS 2022 (new, in force from 1-Jan-2022)
<p>Available at: http://www.wcoomd.org/en/topics/nomenclature/instrument-and-tools/hs-nomenclature-2017-edition/hs-nomenclature-2017-edition.aspx</p> <p>IWG-initiated changes approved by WCO in HS 2017 review cycle are highlighted green.</p>	<p>Amendments originating from FAO proposal are highlighted in green. Amendments originating from WCO secretariat, members or other agencies are highlighted in yellow. See WCO Press Release (29 January 2020).</p>

HS 2017	HS 2022 (new, in force from 1-Jan-2022)
<p>44.01 Fuel wood, in logs, in billets, in twigs, in faggots or in similar forms; wood in chips or particles; sawdust and wood waste and scrap, whether or not agglomerated in logs, briquettes, pellets or similar forms.</p> <p>- Fuel wood, in logs, in billets, in twigs, in faggots or in similar forms :</p> <p>4401.11 -- Coniferous</p> <p>4401.12 -- Non-coniferous</p> <p>- Wood in chips or particles :</p> <p>4401.21 -- Coniferous</p> <p>4401.22 -- Non-coniferous</p> <p>- Sawdust and wood waste and scrap, agglomerated in logs, briquettes, pellets or similar forms :</p> <p>4401.31 -- Wood pellets</p> <p>4401.39 -- Other</p> <p>4401.40 - Sawdust and wood waste and scrap, not agglomerated</p>	<p>44.01 Fuel wood, in logs, in billets, in twigs, in faggots or in similar forms; wood in chips or particles; sawdust and wood waste and scrap, whether or not agglomerated in logs, briquettes, pellets or similar forms.</p> <p>- Fuel wood, in logs, in billets, in twigs, in faggots or in similar forms :</p> <p>4401.11 -- Coniferous</p> <p>4401.12 -- Non-coniferous</p> <p>- Wood in chips or particles :</p> <p>4401.21 -- Coniferous</p> <p>4401.22 -- Non-coniferous</p> <p>- Sawdust and wood waste and scrap, agglomerated in logs, briquettes, pellets or similar forms :</p> <p>4401.31 -- Wood pellets</p> <p>4401.32 -- Wood briquettes</p> <p>4401.39 -- Other</p> <p>- Sawdust and wood waste and scrap, not agglomerated :</p> <p>4401.41 -- Sawdust</p> <p>4401.49 -- Other</p>

3. Changes in HS codes

Please note the changes to reporting Spruce, Pine, Fir and Western Hemlock!

- 4407.13 [Coniferous sawnwood] .. Of S-P-F (Spruce, pine, fir)
- 4407.14 [Coniferous sawnwood] .. Of Hem-fir (Western hemlock and fir)

Product Code	Product	Classifications	
		HS2022	HS2017
6	SAWNWOOD (INCLUDING SLEEPERS)	44.06 44.07	44.06 44.07
6.C	Coniferous	4406.11/91 4407.11/12/ 13/14 /19	4406.11/91 4407.11/12/19
6.NC	Non-Coniferous	4406.12/92 4407.21/22/ 23 /25/26/27/28/29/91/92/93/94/95/96/97/99	4406.12/92 4407.21/22/25/26/27/28/29/91/92/93/94/95/96/97/99
6.NC.T	of which: Tropical ¹	ex4406.12/92 4407.21/22/ 23 /25/26/27/28/29	ex4406.12/92+ 4407.21/22/25/26/27/28/29

- **The creation these cods may create a new area of reporting confusion.**
- These **do not replace** the HS codes that are specific to Spruce, Pine and Fir.
- Correspondents should make all reasonable efforts to report spruce, pine and fir separately rather than reporting SPF or Hemlock/Fir jointly

3. Changes in HS codes

Sawdust received a separate HS code 4401.41, from now on appears in all the higher-level categories.

Product Code	Product	Classifications	
		HS2022	HS2017
3	WOOD CHIPS, PARTICLES AND RESIDUES	4401.21/22/41 ex4401.49	4401.21/22 ex4401.40
3.1	WOOD CHIPS AND PARTICLES	4401.21/22	4401.21/22
3.2	WOOD RESIDUES (INCLUDING WOOD FOR AGGLOMERATES)	4401.41 ex4401.49++	ex4401.40++
3.2.1	of which: <i>Sawdust</i>	4401.41	ex4401.40++
4	RECOVERED POST-CONSUMER WOOD	ex4401.49++	ex4401.40++

Sawdust and wood waste and scrap, **not agglomerated** :

- 4401.41 *Sawdust*
- 4401.49 Other wood waste and scrap, not agglomerated

Product code 3.2.1 will help to reduce the risk of double-counting or misclassification that is a known difficulty when reporting for product 3.2 and product 4



Thank you!



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