

Wood measuring methods used in Finland 2015



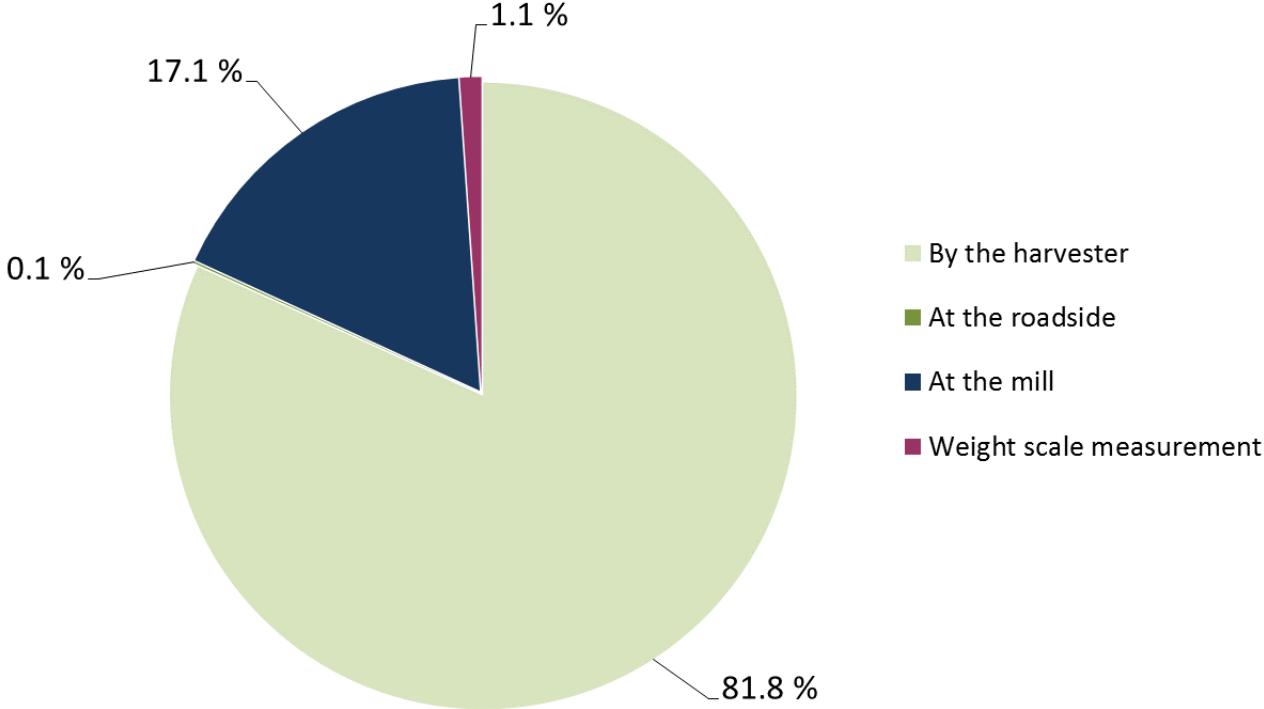
Metsätehon tulokalvosarja 10b/2016

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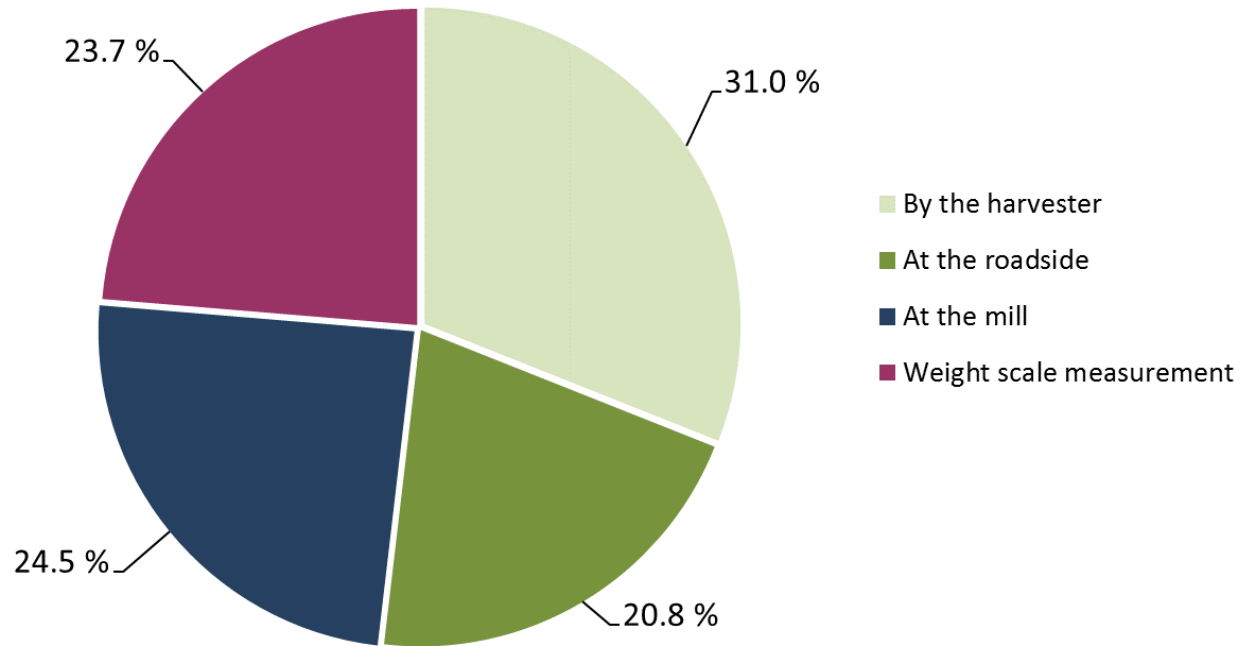
The volume of wood measuring in 2015

- Wood measuring methods used in 2015 -statistics based on the answers which Metsäteho owners, the Finnish forest industry companies and Metsähallitus, have reported. It covers 73% of domestic timber felling.
- The used volumes (m³ sob) in statistics are the next:
 - Standing sales 36.2 million m³
 - Delivery sales 6.3 million m³
 - Together 42.5 million m³
- In 2014, the volume of standing sales was **38.2** million m³ sob and delivery sales **9.9** million m³ sob from private-owned forests. (Source: Luke = Natural Resources Institute Finland)
- Timber felling from industry-owned and state-owned forests totalled **10.4** million m³ sob. (Source: Luke)
- Commercial roundwood fellings in 2014 stood at **58.5** million m³ sob in Finland, of which sawlogs amounted to **21.2** and pulpwood **27.0** million m³ sob. (Source: Luke)
- Timber volume is expressed in cubic metres, real solid volume over bark.
- From year 2014 fellings of industry- and state-owned forests are included to standing sales. Earlier private owned-forests are presented separately.

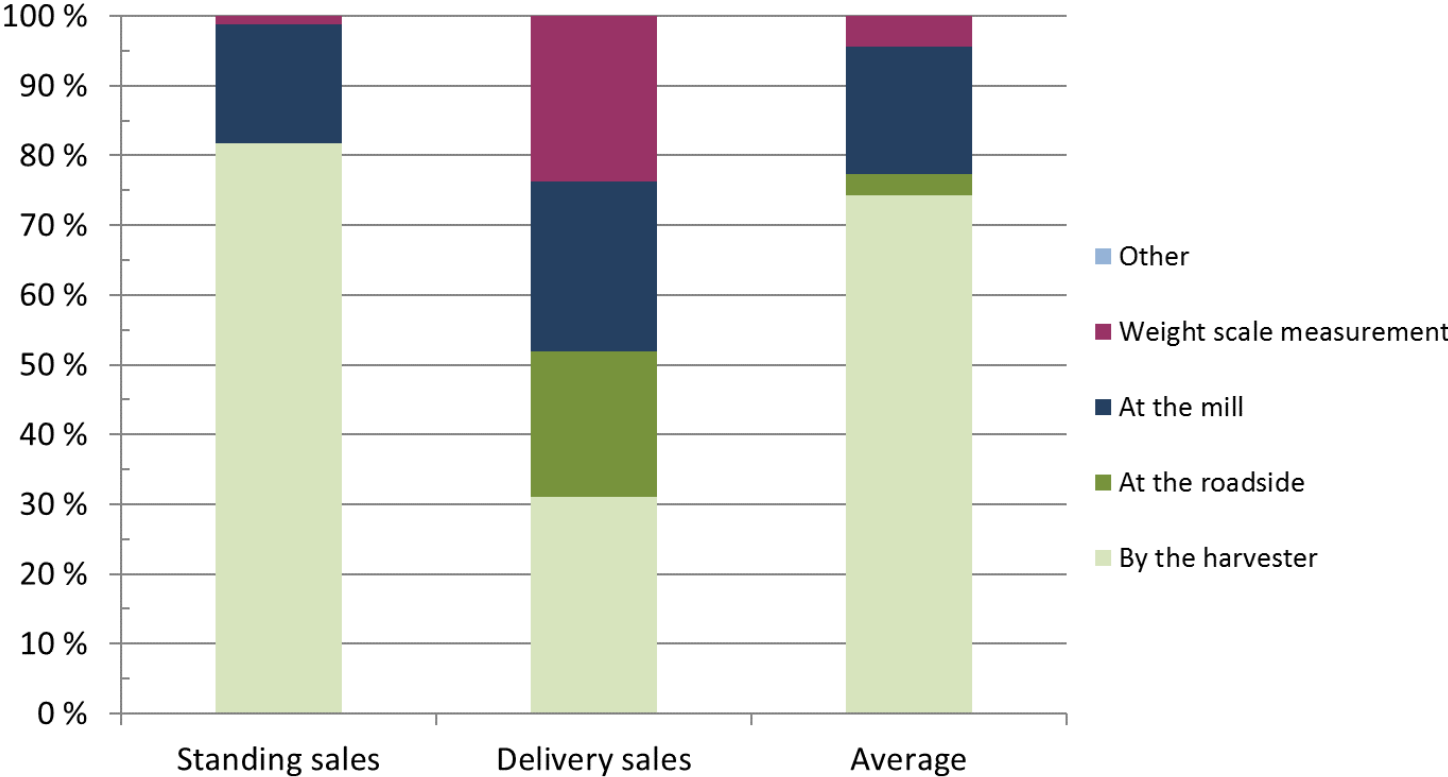
Measurement methods in standing sales of private- and industry- and state-owned forests in 2015 (36.2 million m³)



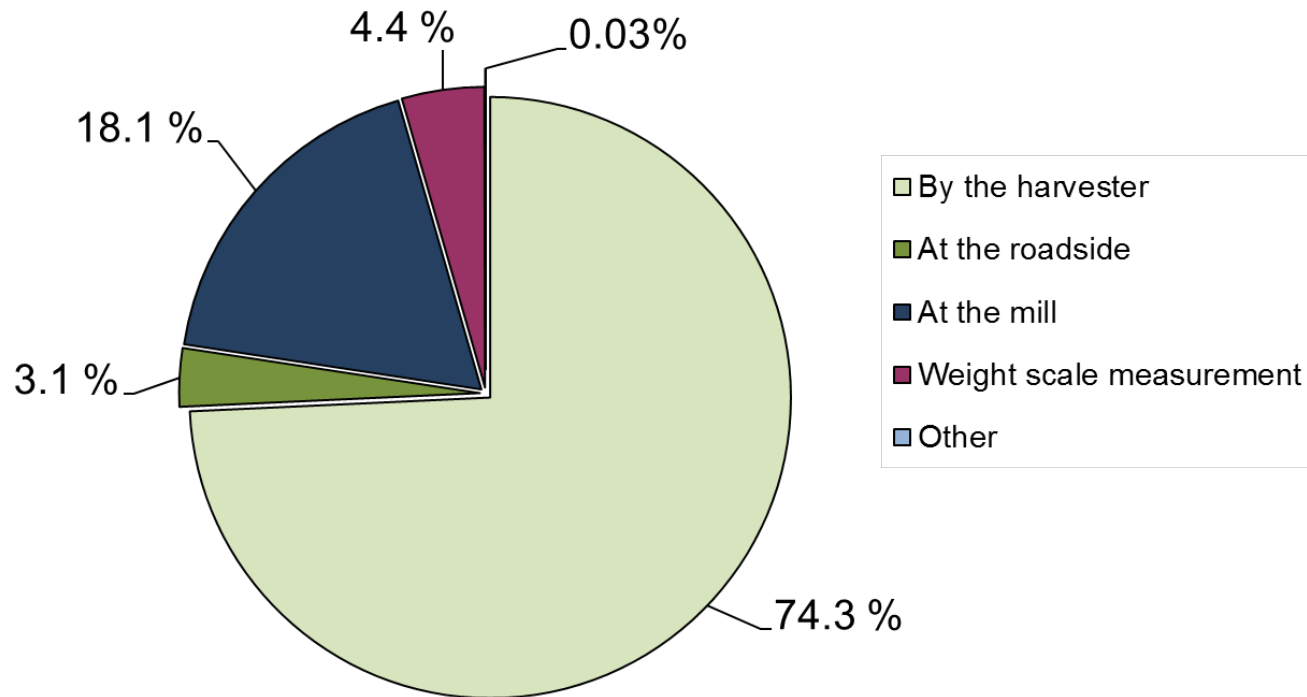
Measurement methods in delivery sales of private-owned forests in 2015 (6.3 million m³)



Measurement methods in the total commercial roundwood fellings in 2015 (standing and delivery sales, 42.5 million m³)



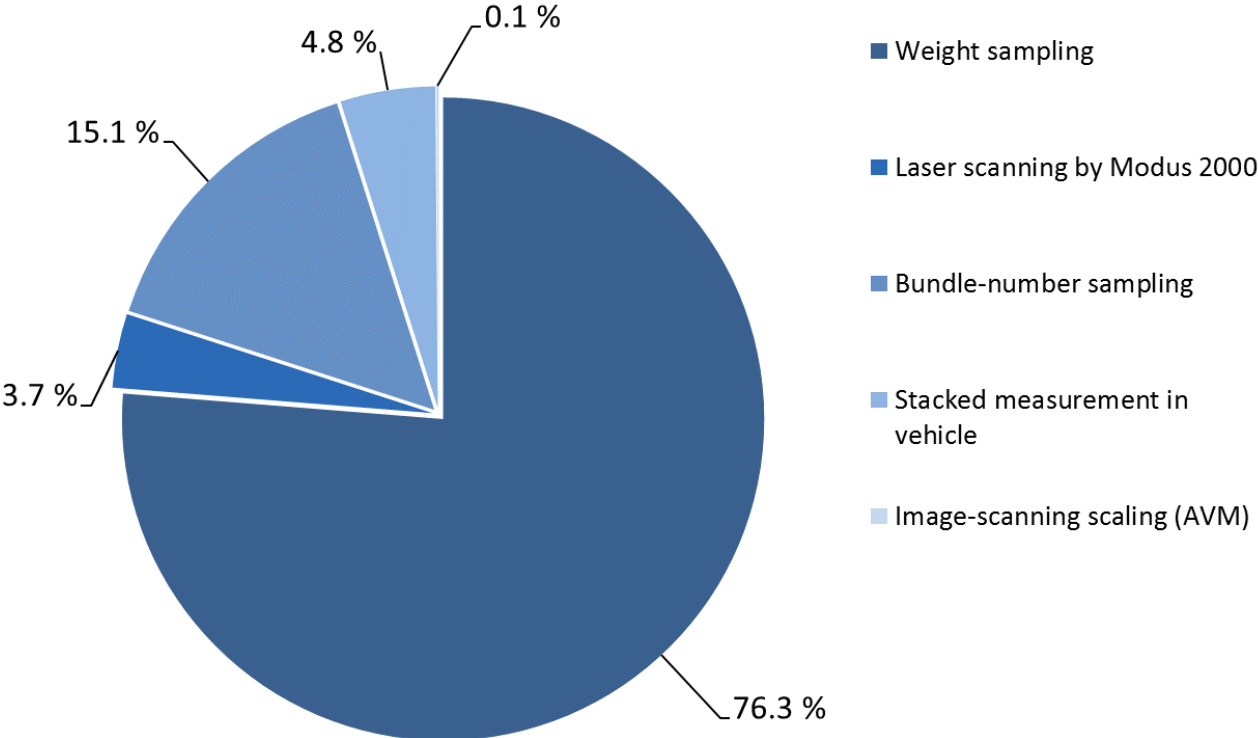
Measuring methods in the total commercial roundwood fellings in 2015 (42.5 million m³)



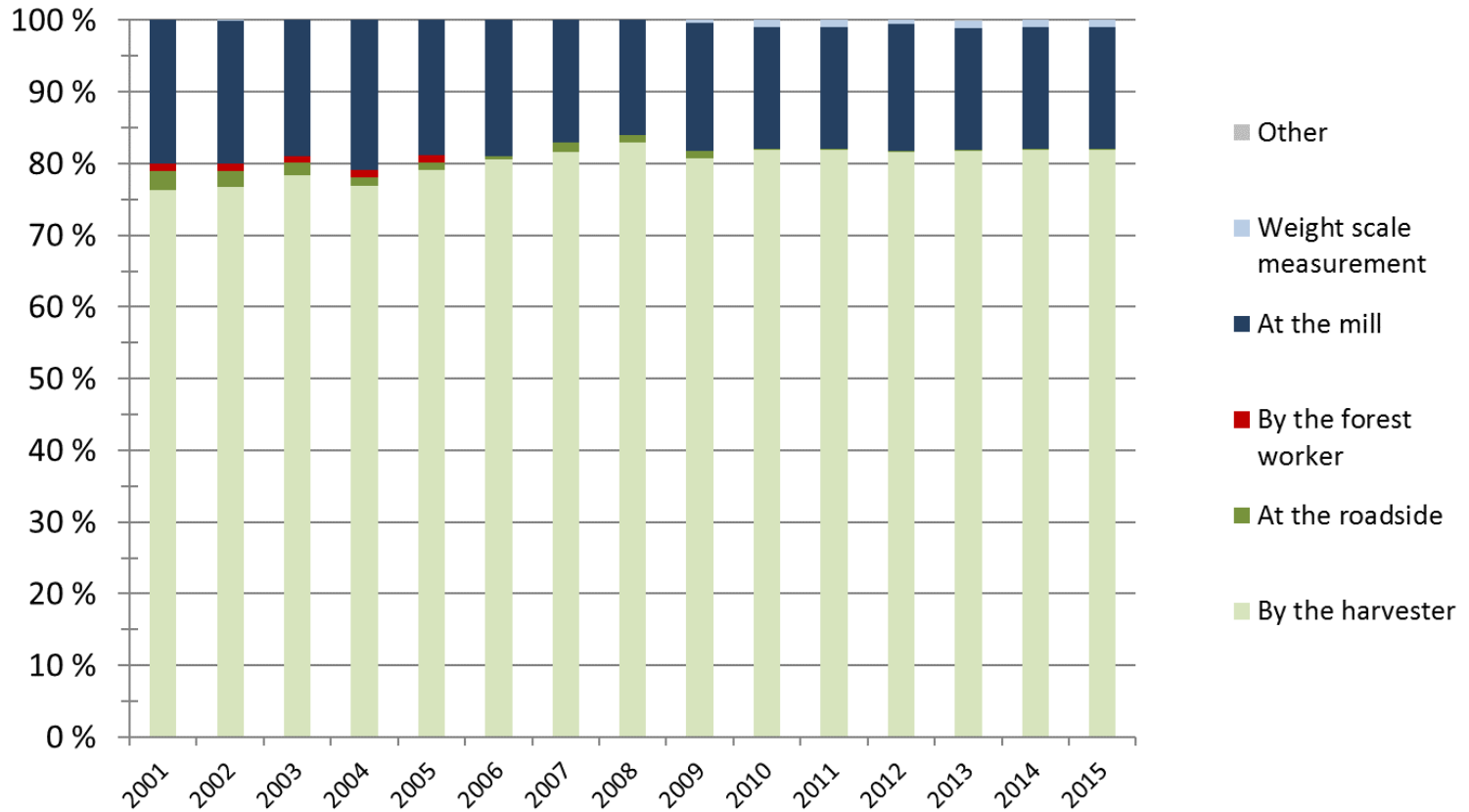
Sawlogs and pulpwood measured at the mill and at the roadside in 2015

- At the mill altogether 7.7 million m³ was measured, which represents 18.1% of total commercial roundwood fellings in 2015. The proportion of the sawlogs measured at the mill was 44.1% and pulpwood 55.9%.
 - The sawlogs were mainly measured by using log scanners.
 - The pulpwood measuring methods are presented in the next slide (slide number 8).
- At the road side altogether 1.3 million m³ was measured, which represents 3.1% of total commercial roundwood fellings in 2015. The proportion of sawlogs measured at the mill was 24.7% and pulpwood 75.3%.
 - The sawlogs were measured based on the top diameter of the log and the pulpwood was measured by using pile scaling method.
- Altogether 1.9 million m³ was measured with loader scales, which represents 4.4% of total commercial roundwood fellings in 2015.
 - Loader scales was mainly used in delivery sales (23.7%) and also in some standing sales (1.1%).

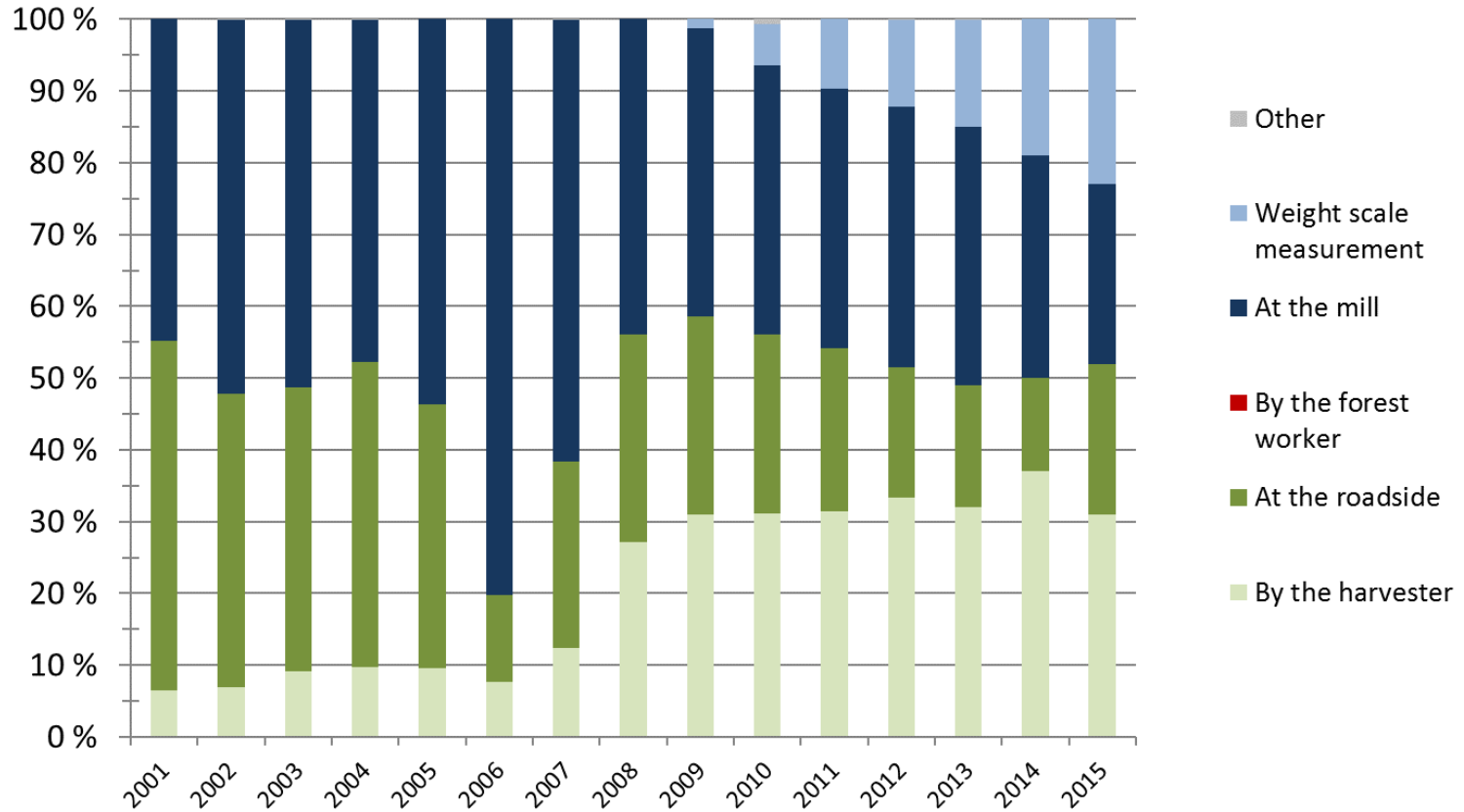
Methods used for pulpwood measuring at the mills in 2015 (about 4.3 million m³)



Proportions of different wood measuring methods in standing sales, 2001-2015



Proportions of different wood measuring methods in delivery sales, 2001-2015



Wood quantities and proportions of methods in the total commercial roundwood fellings in 2015

PROPORTION OF WOOD MEASURING METHODS IN 2015 Private- and industry-owned forests (incl. State forests)

Method	Total, 1000 m ³			Total, %		
	Standing sales	Delivery sales	Together	Standing sales	Delivery sales	Average
By the harvester	29 631	1 941	31 572	81.7	31.0	74.3
At the roadside	27	1 305	1 332	0.1	20.8	3.1
At the mill	6 180	1 531	7 710	17.0	24.4	18.1
Weight scale measurement	400	1 483	1 882	1.1	23.7	4.4
Other	13	1	14	0.0	0.0	0.0
Total	36 250	6 261	42 511	100.0	100.0	100.0

Proportions of wood measuring methods, 2001–2015

STANDING SALES OF PRIVATE- AND INDUSTRY-OWNED FORESTS (INCL. STATE FORESTS)

Year	Proportion of method, %						Total
	By the harvester	At the roadside	By the forest worker	At the mill	Weight scale measurement	Other	
2001	76	3	1	20	0	0	100
2002	77	2	1	20	0	0	100
2003	79	2	1	19	0	0	100
2004	77	1	1	21	0	0	100
2005	79	1	1	19	0	0	100
2006	81	0	0	19	0	0	100
2007	82	1	0	17	0	0	100
2008	83	1	0	16	0	0	100
2009	81	1	0	18	0	0	100
2010	82	0	0	17	1	0	100
2011	82	0	0	17	1	0	100
2012	82	0	0	18	1	0	100
2013	82	0	0	17	1	0	100
2014	82	0	0	17	1	0	100
2015	82	0	0	17	1	0	100

DELIVERY SALES OF PRIVATE OWNED FORESTS

Year	Proportion of method, %						Total
	By the harvester	At the roadside	By the forest worker	At the mill	Weight scale measurement	Other	
2001	6	49	0	45	-	0	100
2002	7	41	0	52	-	0	100
2003	9	40	0	51	-	0	100
2004	10	42	0	48	-	0	100
2005	10	37	0	54	-	0	100
2006	8	12	0	80	-	0	100
2007	12	26	0	62	-	0	100
2008	27	29	0	44	-	0	100
2009	31	28	0	40	1	0	100
2010	31	25	0	37	6	1	100
2011	31	23	0	36	10	0	100
2012	33	18	0	36	12	0	100
2013	32	17	0	36	15	0	100
2014	37	13	0	31	19	0	100
2015	31	21	0	25	23	0	100