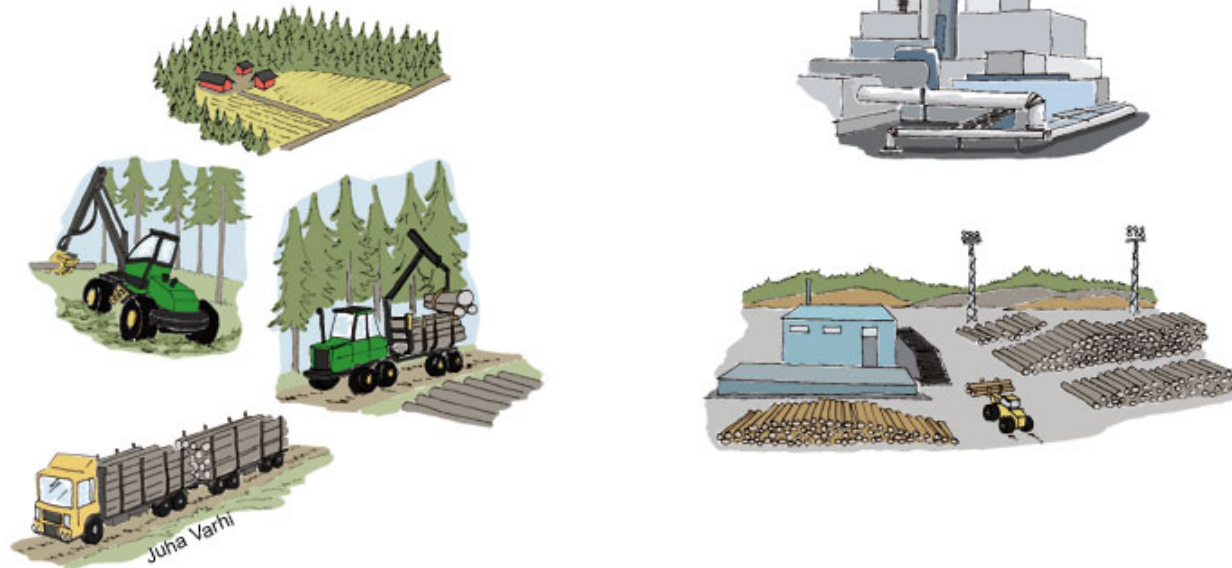


TIMBER SCALING METHODS USED IN FINLAND 2005

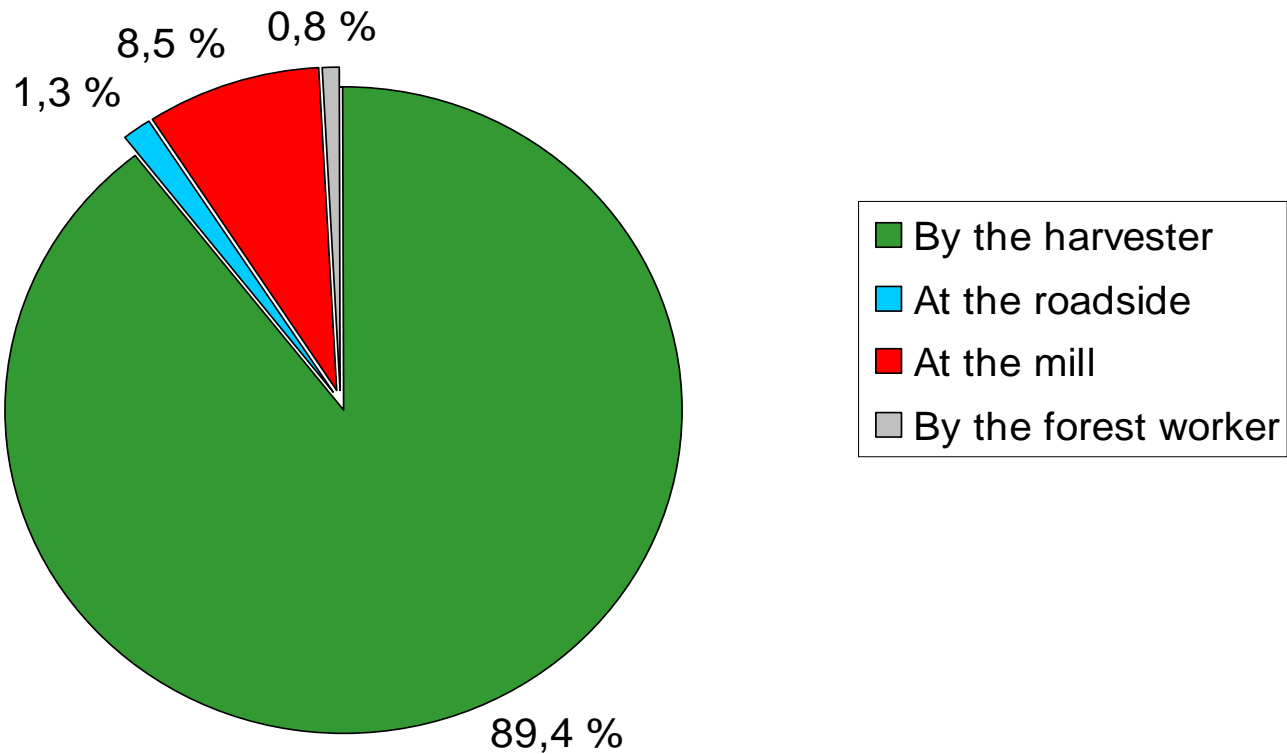
Samuli Hujo



The volume of timber scaling in 2005

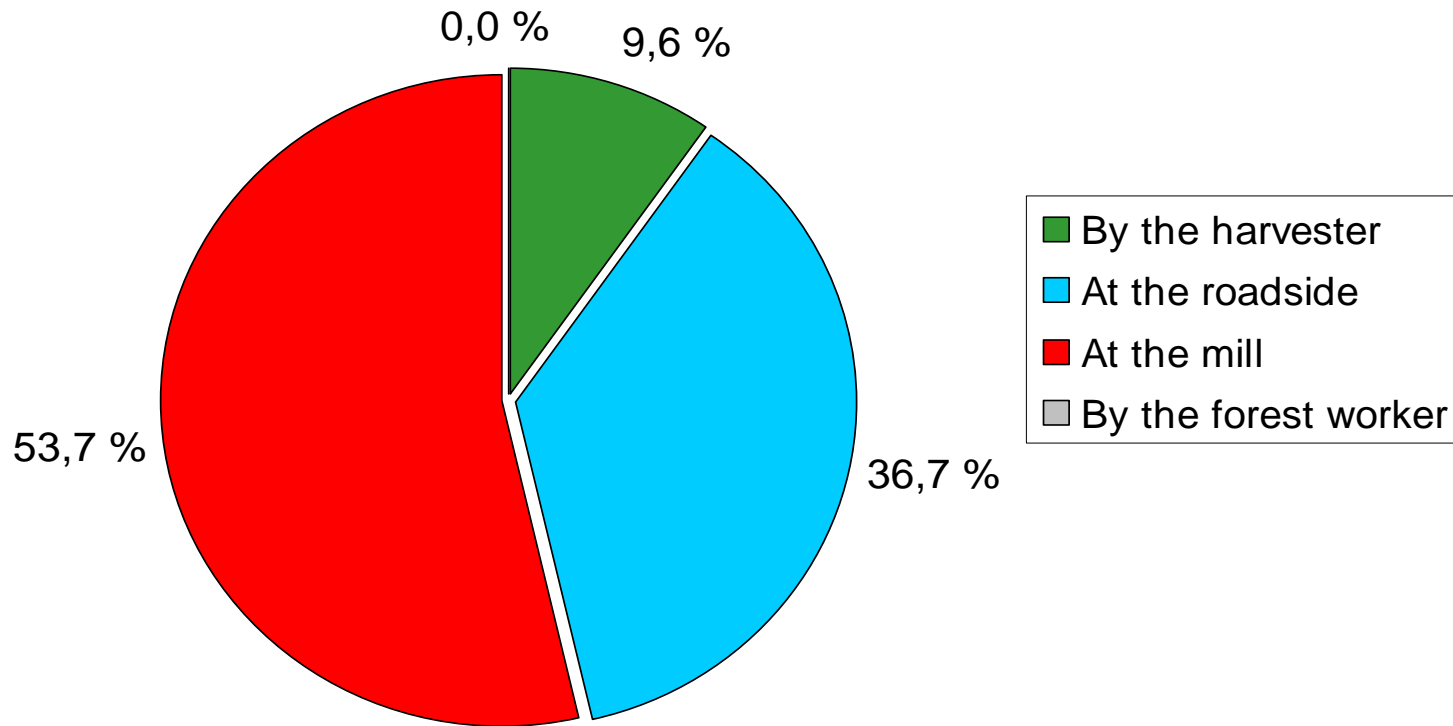
- *Timber scaling methods used in 2005 –statistics based on the answers which Metsäteho owners, the Finnish forest industry companies and Metsähallitus, have reported. It consists of only domestic timber felling.*
- *The used volumes in statistics are the next:*
 - *Standing sales in private-owned forests* *27.7 million m³*
 - *Delivery sales in private-owned forests* *6.2 million m³*
 - *Forest industry-owned forests and state-owned forests managing by Forest and Park Service* *8.3 million m³*
 - *Together* *42.2 million m³*
- *In 2005, the volume of standing sales was 35.8 million m³ob and delivery sales 8.4 million m³ from private-owned forests. (Source: Metla = Finnish Forest Research Institute)*
- *Timber felling from industry-owned forests totalled 3.8 million m³ob and felling from state-owned forests totalled 4.6 million m³ob. (Source: Metla)*
- *In 2005, the total commercial roundwood fellings amounted to 52.6 million m³ob in Finland. (Source: Metla)*
- *Timber volume is expressed in cubic metres, real solid volume over bark.*

Measurement methods in standing sales of private-owned forests in 2005



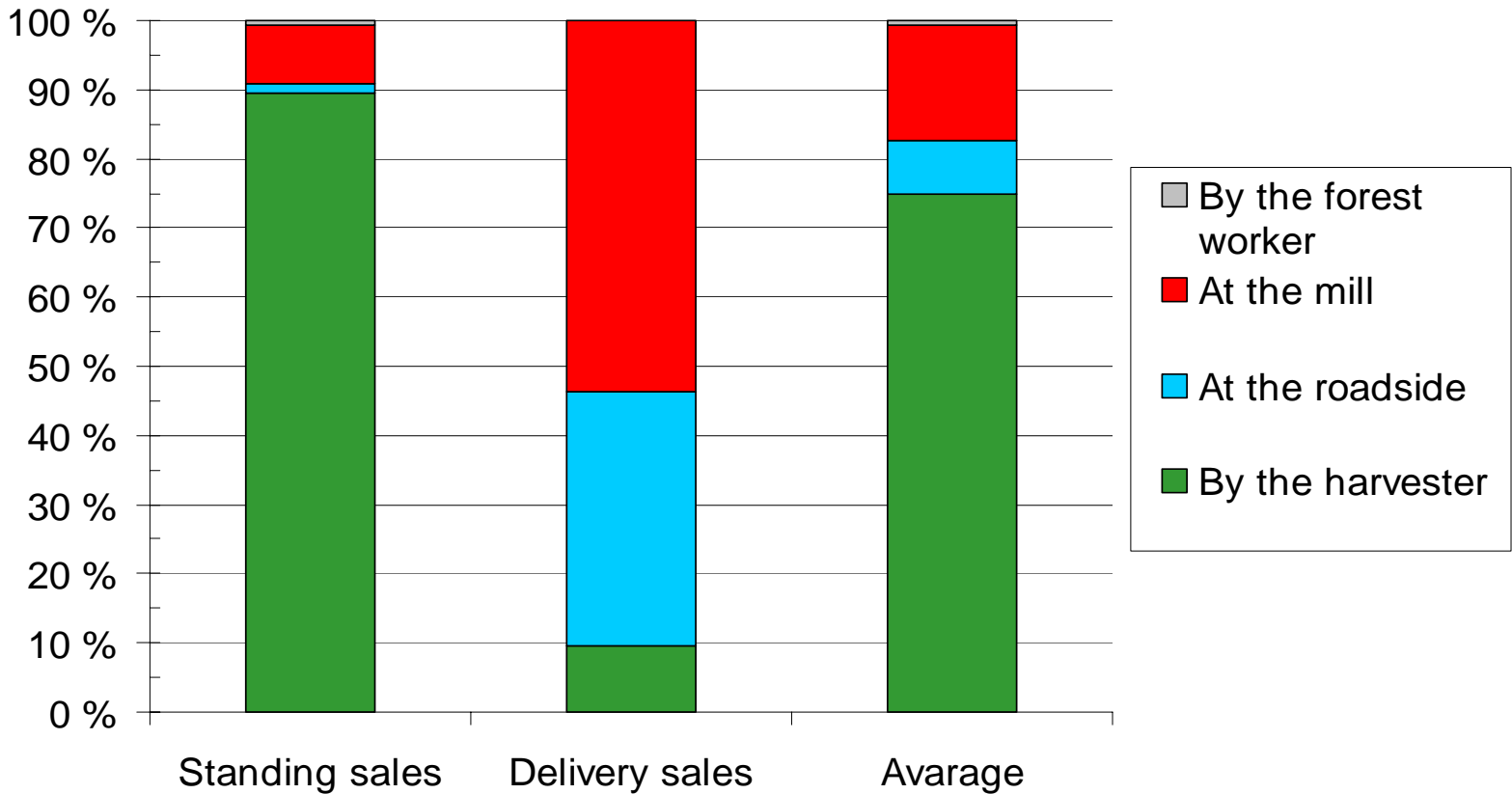
about 27.7 million m³

Measurement methods in delivery sales of private-owned forests in 2005



about 6.2 million m³

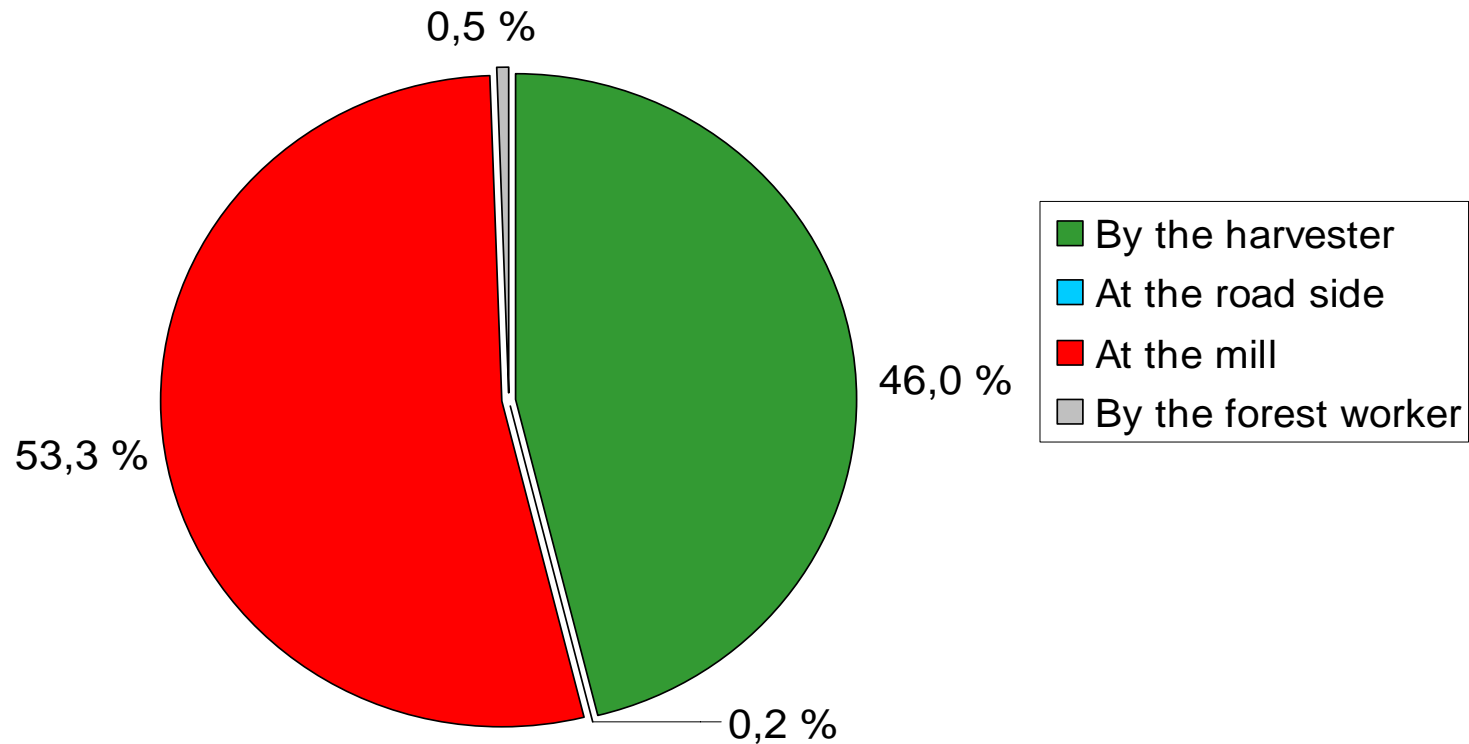
Measurement methods in private-owned forests in 2005



about 33.9 million m³

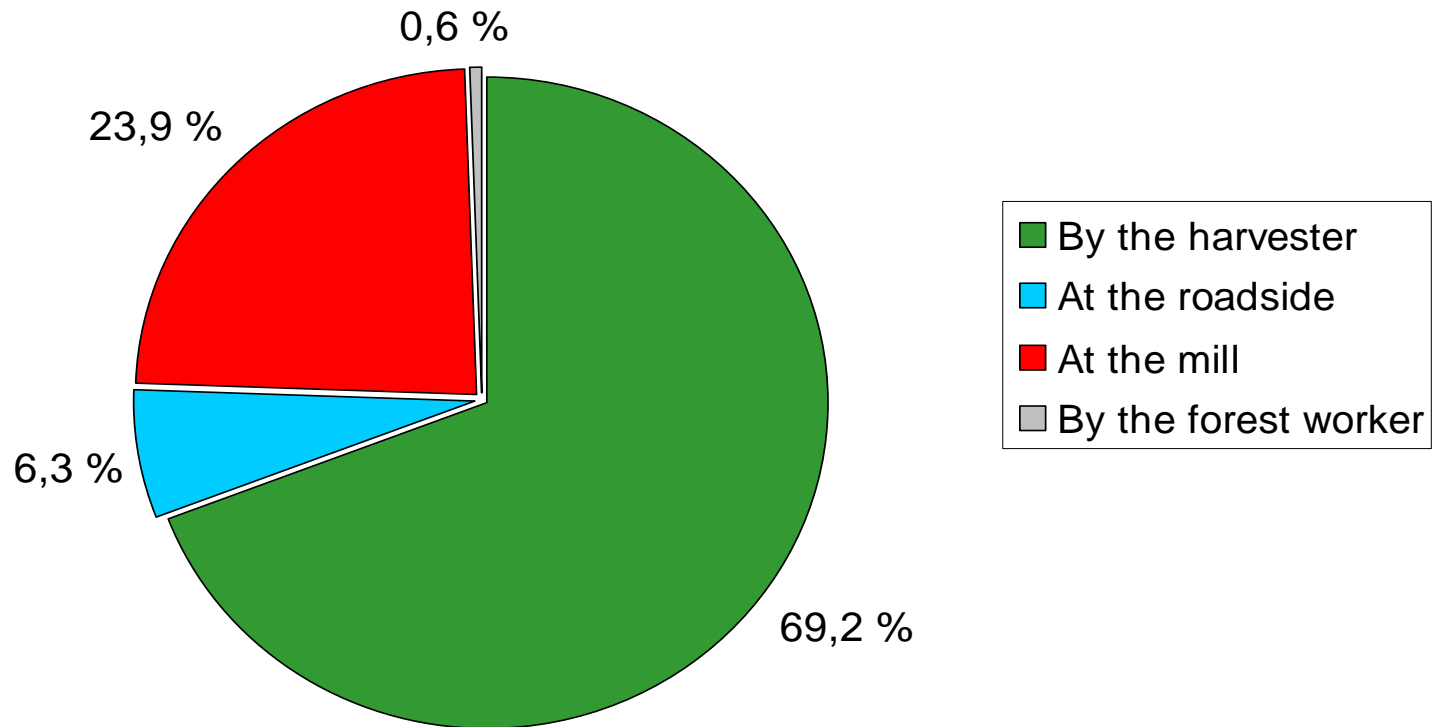
(standing and delivery sales)

Measurement methods in industry-owned forests and state-owned forests in 2005



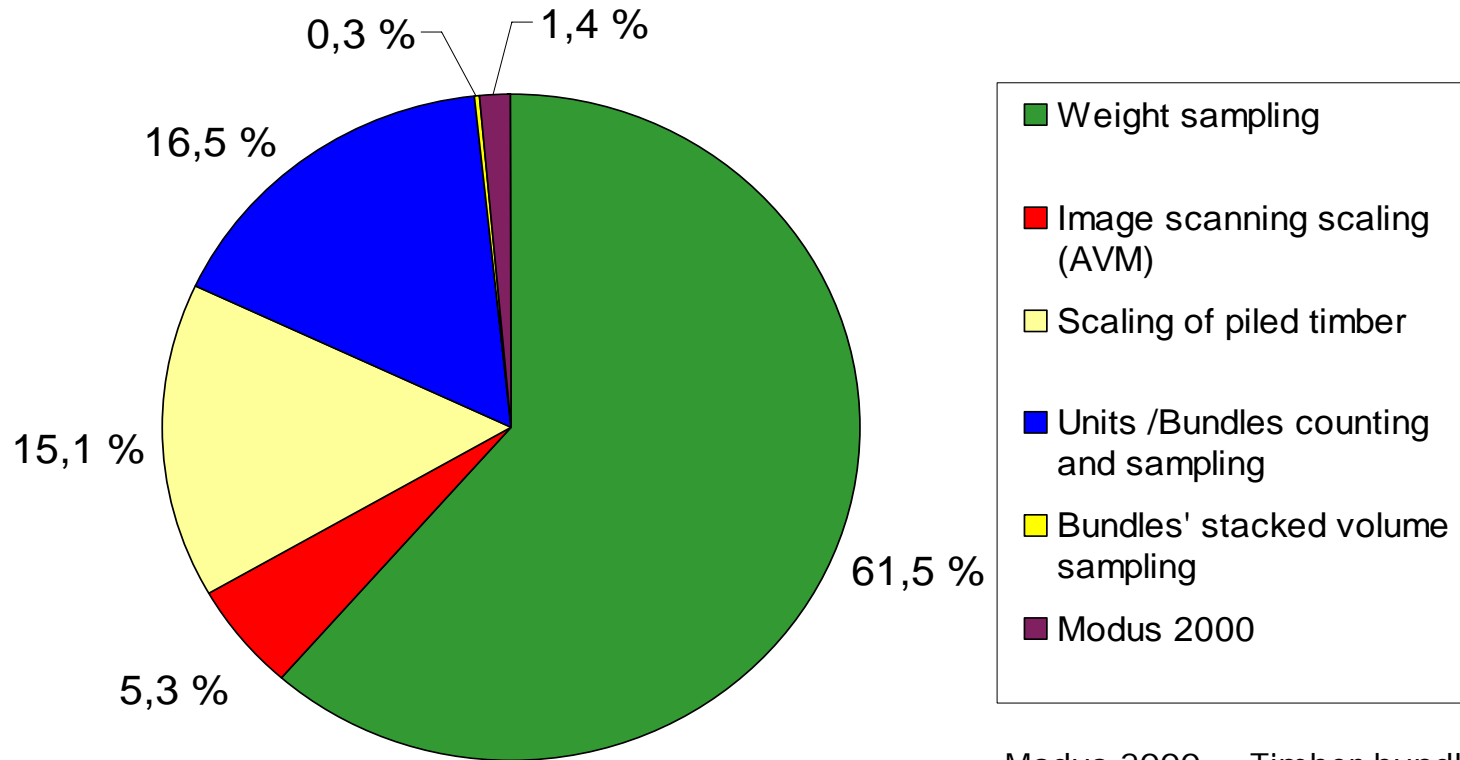
about 8.3 million m³

Measurement methods in the total commercial roundwood fellings in 2005



about 42.2 million m³

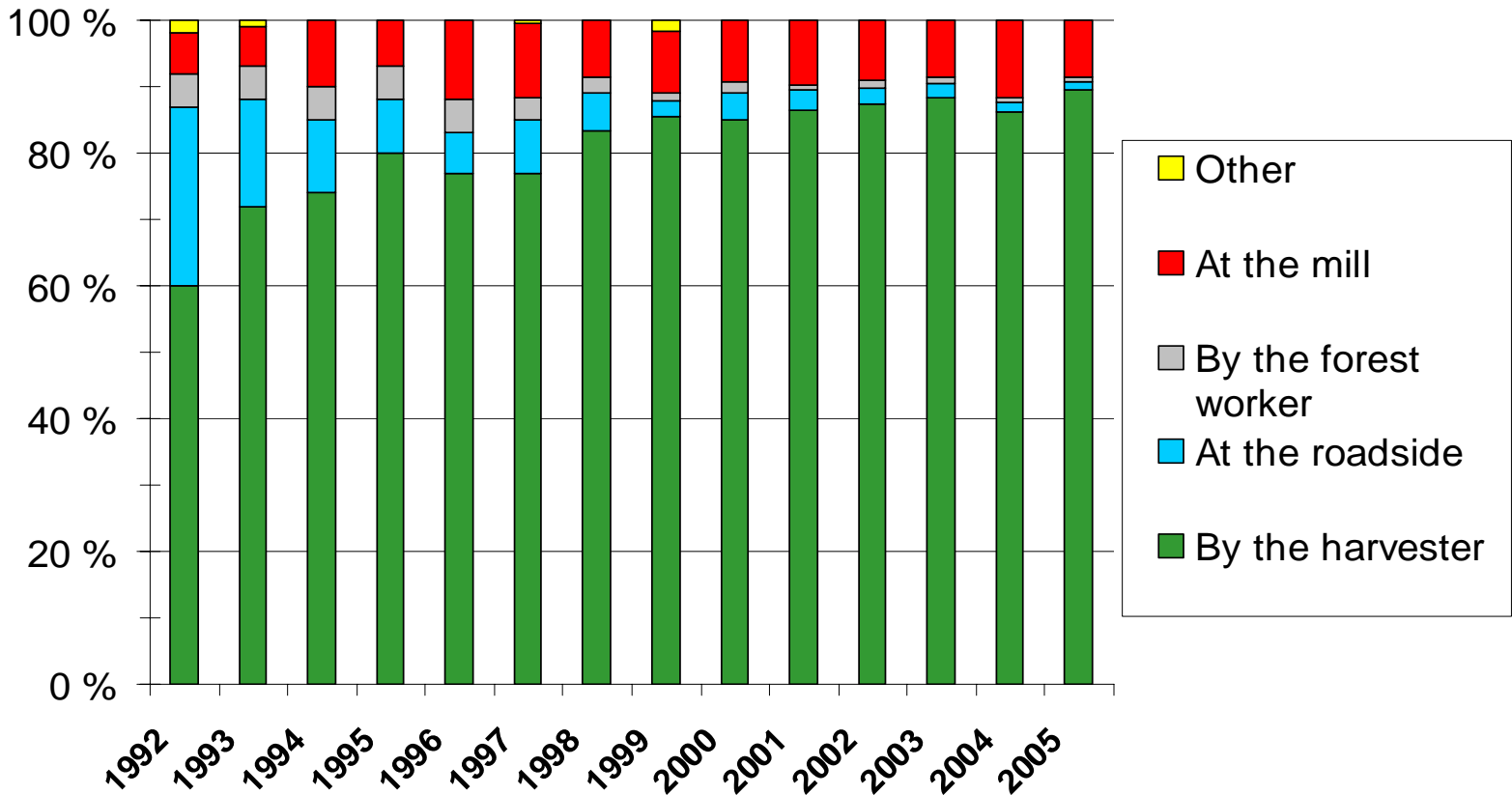
Methods used for pulpwood measurement at the mills in 2005



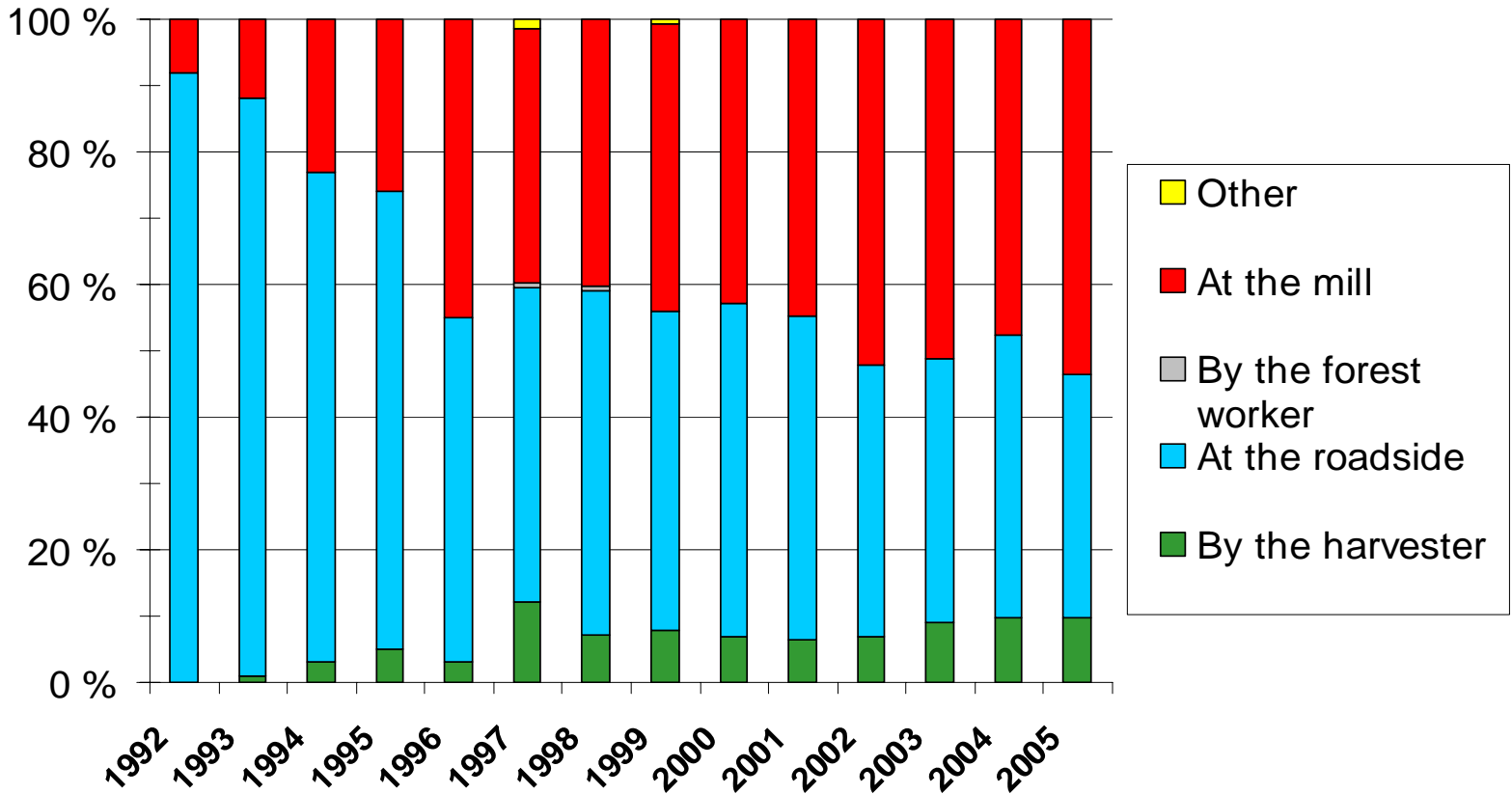
Modus 2000 = Timber bundle measuring system for log trucks

about 6.8 million m³

Proportions of different timber scaling methods in standing sales, 1992 - 2005



Proportions of different timber scaling methods in delivery sales, 1992 - 2005



Timber quantities and proportions of methods in 2005

PROPORTION OF TIMBER SCALING METHODS IN 2005

Private-owned forests

Method	Total, 1000 m3			Total, %		
	Standing sales	Delivery sales	Together	Standing sales	Delivery sales	Average
By the harvester	24 799	597	25 396	89,4	9,6	74,9
At the roadside	373	2 269	2 642	1,3	36,7	7,8
At the mill	2 346	3 320	5 666	8,5	53,7	16,7
By the forest worker	209	2	211	0,8	0,0	0,6
Other	0	0	0	0,0	0,0	0,0
Grand total	27 728	6 187	33 915	100,0	100,0	100,0

PROPORTION OF TIMBER SCALING METHODS IN 2005

Industry-owned forests and state-owned forests

Method	Total	
	1000 m3	%
By the harvester	3 799	46,0
At the road side	15	0,2
At the mill	4 404	53,3
By the forest worker	38	0,5
Other	0	0,0
Grand total	8 256	100,0

Proportions of timber scaling methods, 1992 - 2005

STANDING SALES OF PRIVATE-OWNED FORESTS

Year	Proportion of method, %					Total
	By the harvester	At the roadside	By the forest worker	At the mill	Other	
1992	60	27	5	6	2	100
1993	72	16	5	6	1	100
1994	74	11	5	10	0	100
1995	80	8	5	7	0	100
1996	77	6	5	12	0	100
1997	77	8	3	11	1	100
1998	83	6	2	9	0	100
1999	85	2	1	9	2	100
2000	85	4	2	9	0	100
2001	86	3	1	10	0	100
2002	87	3	1	9	0	100
2003	88	2	1	9	0	100
2004	86	1	1	12	0	100
2005	89	1	1	8	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	Other	
1992	0	92	0	8	0	100
1993	1	87	0	12	0	100
1994	3	74	0	23	0	100
1995	5	69	0	26	0	100
1996	3	52	0	45	0	100
1997	12	47	1	38	1	100
1998	7	52	1	40	0	100
1999	8	48	0	43	1	100
2000	7	50	0	43	0	100
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