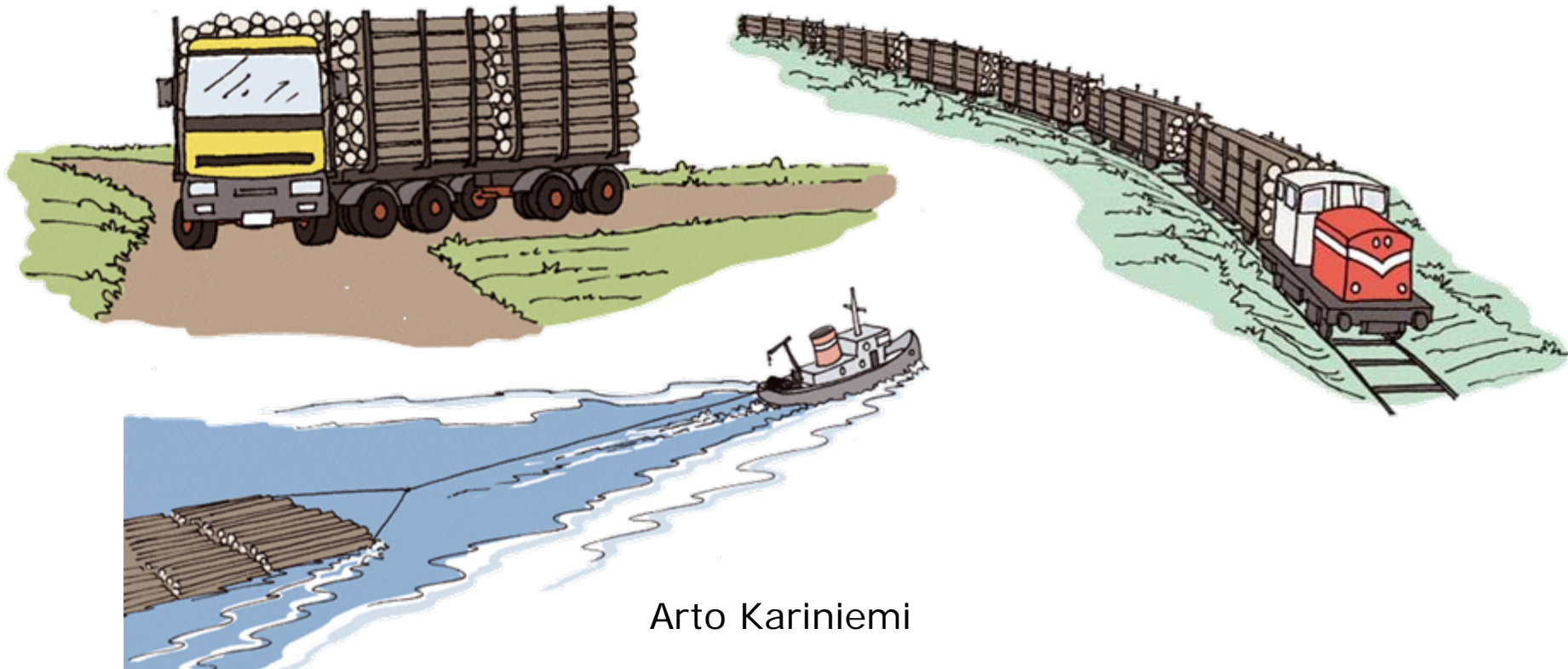


Long-distance Transportation Statistics on 2005

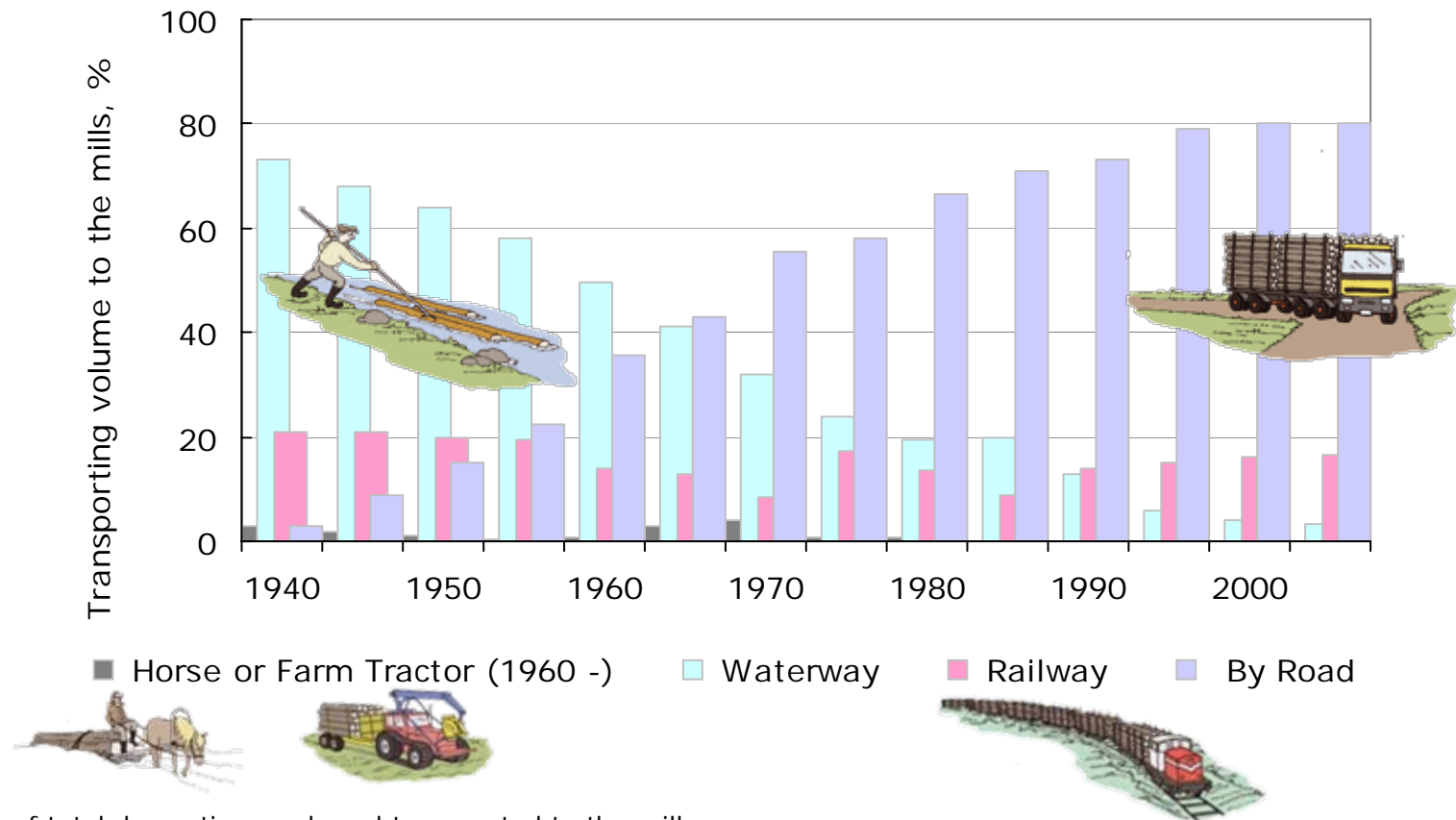


Arto Kariniemi

Target and Publications

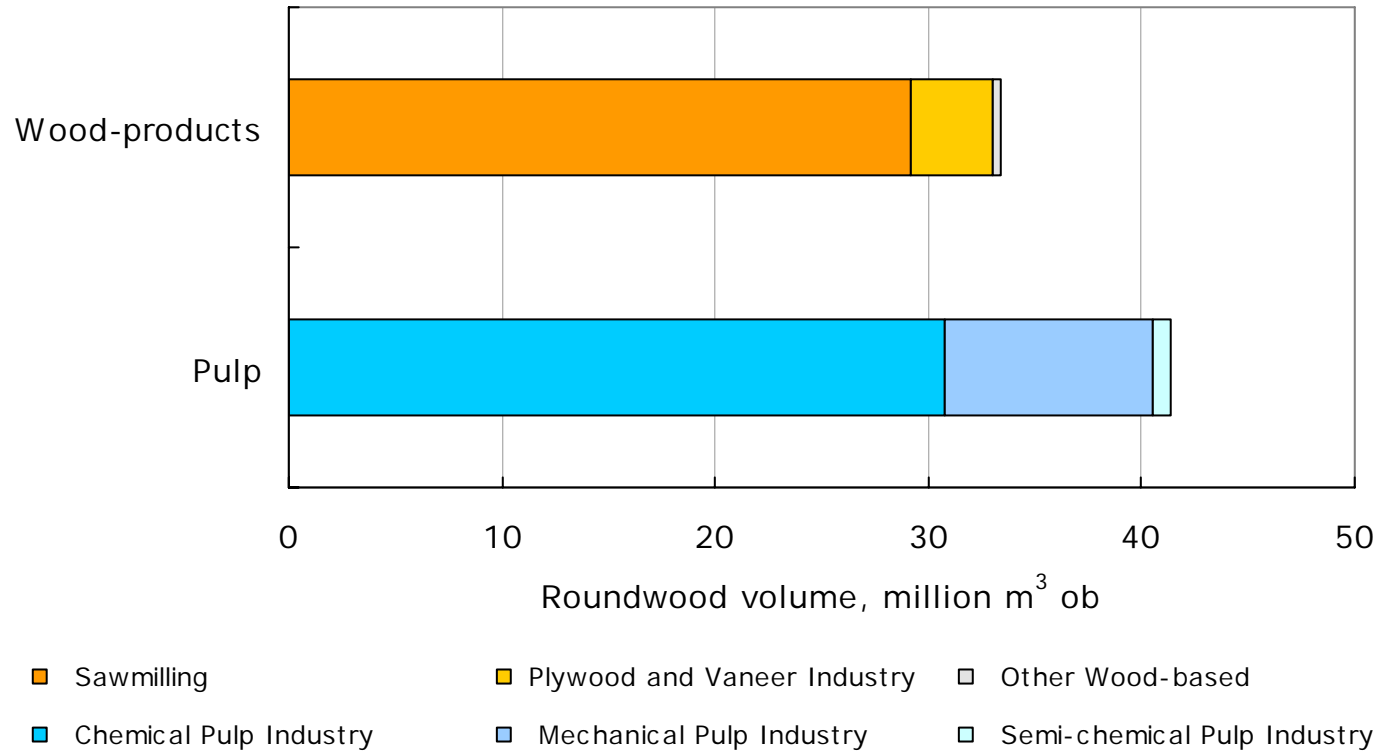
- Includes volumes and direct long-distance transportation costs of timber assortments concerning domestic roundwood by the forest industries and Metsähallitus as well as proportions of transportation methods.
- Statistic covers 77 % of commercial roundwood.
- Look at also Finnish Statistical Yearbook of Forestry (Finnish Forest Research Institute), especially chapter 5 "Harvesting and transportation of roundwood."
- Publications
 - Metsäteho Review 19:
"Puunkorjuu ja kaukokuljetus vuonna 2005"
(*Harvesting and long-distance transportation on 2005*)

Transportation Techniques 1940 - 2005



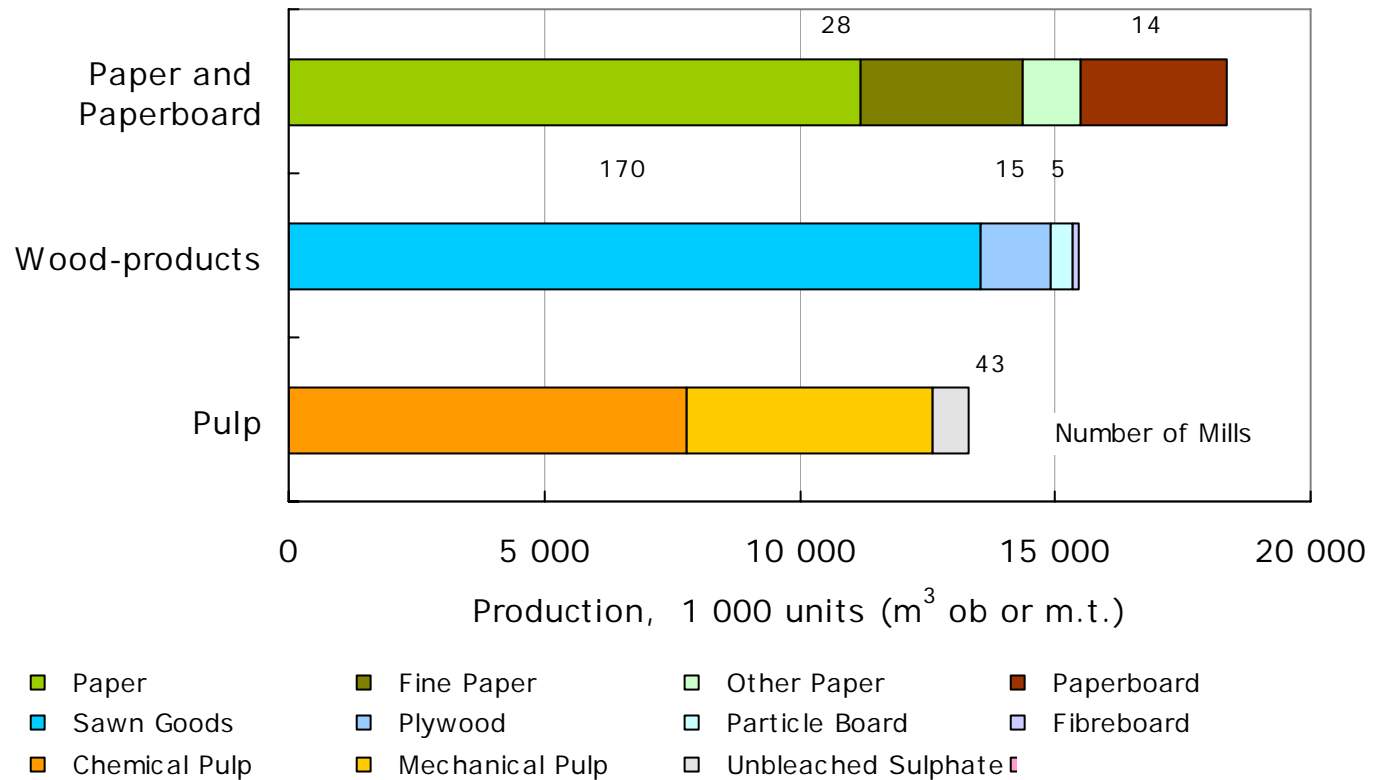
As share of total domestic roundwood transported to the mills.

Roundwood Consumption by Forest Industries 2004



Source: Finnish Forest Research Institute

Production of Forest Industry Products 2004



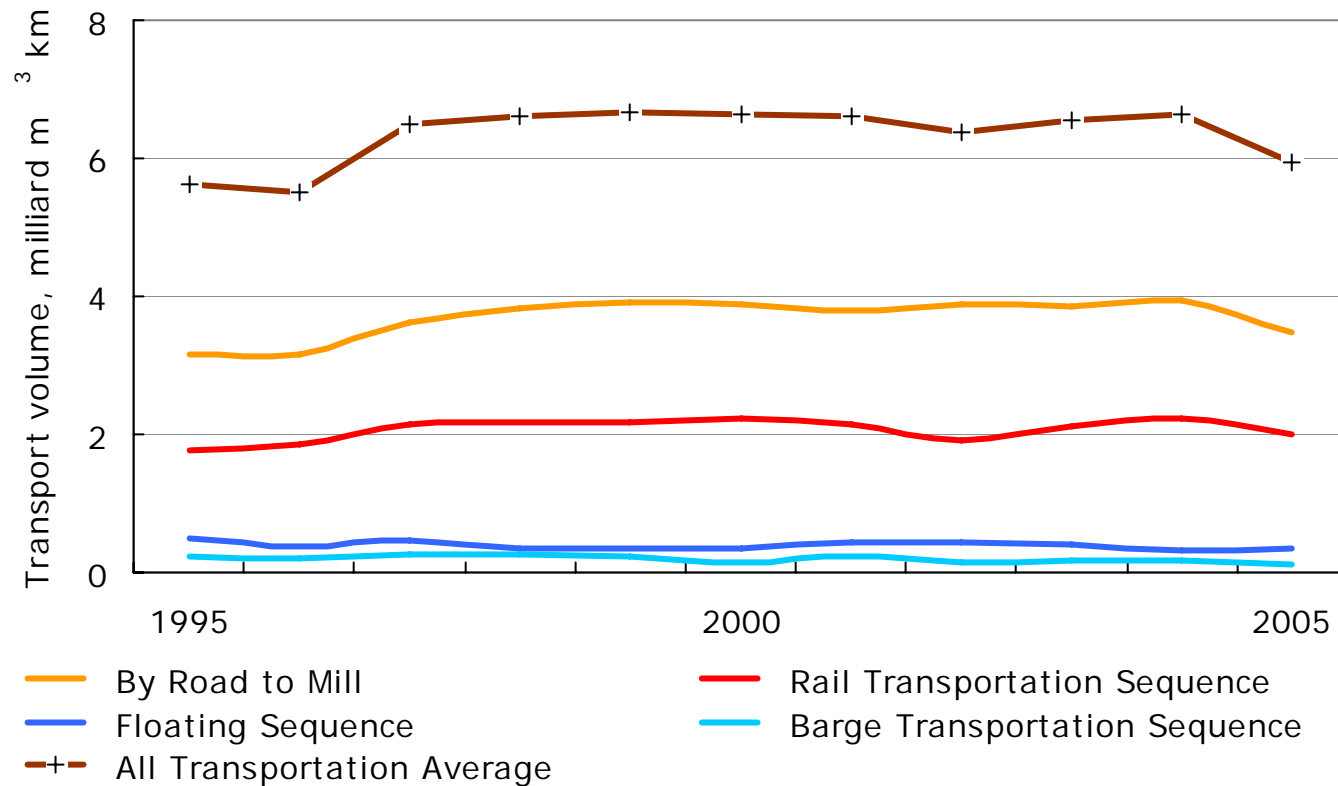
Source: Finnish Forest Research Institute

Transport Volume and Costs

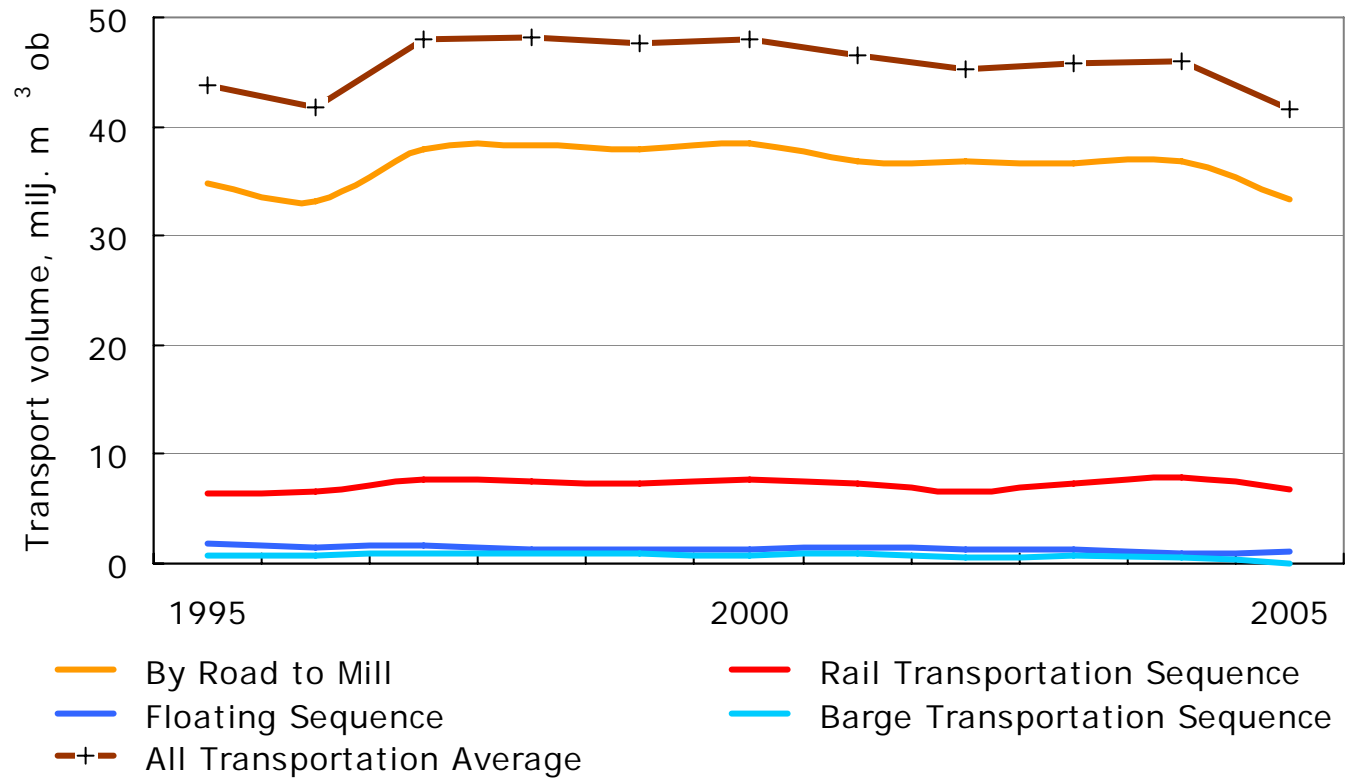
	Transport volume		Costs	
	million m ³ km	%	1 000 €	%
Road transportation	3 843	65	218 445	83
Rail transportation	1 679	28	36 556	14
Water transportation	373	6	7 283	3
Total	5 895	100	262 283	100

Road transportation consist of by road to mill and also by road to railway, floating point and barge.
Water transportation consist of floating and barge transportation.

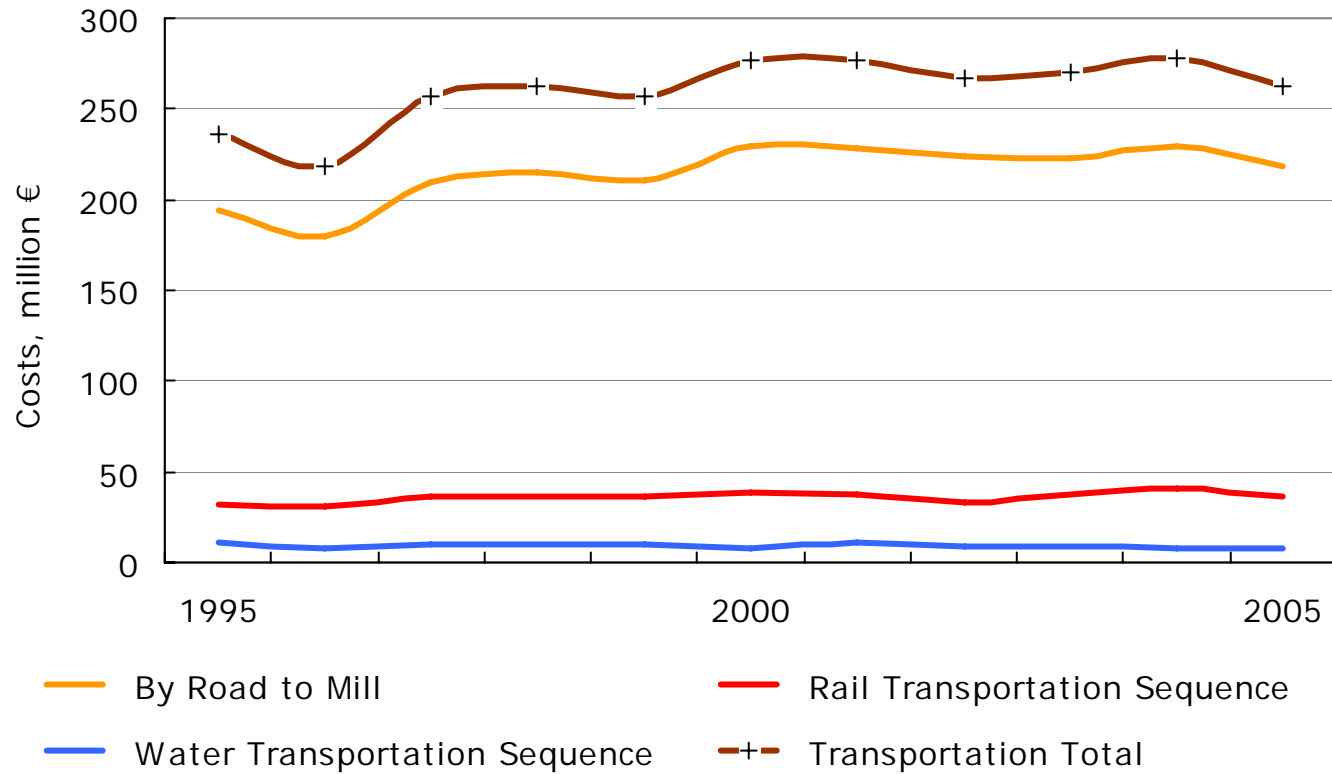
Transport Volume 1995 - 2005



Transport Volume 1995 - 2005



Costs 1995 - 2005

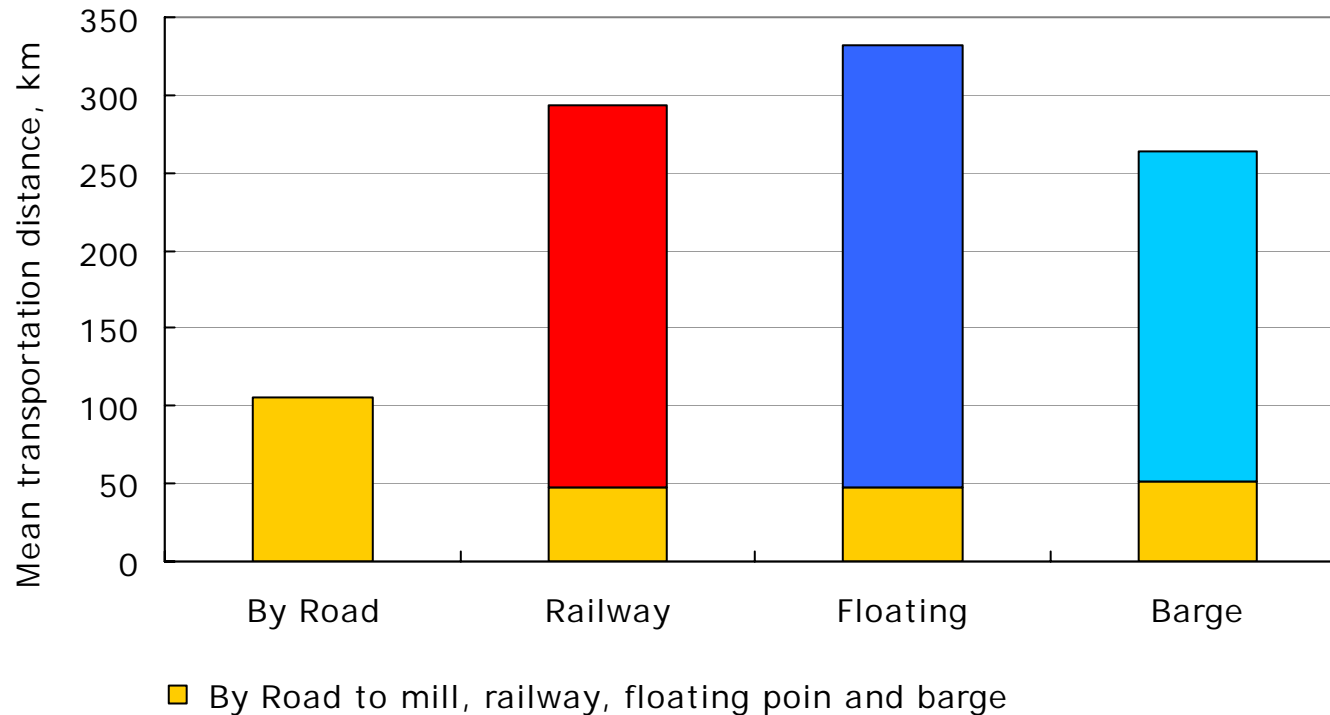


Real costs have been deflated by the wholesale price index.

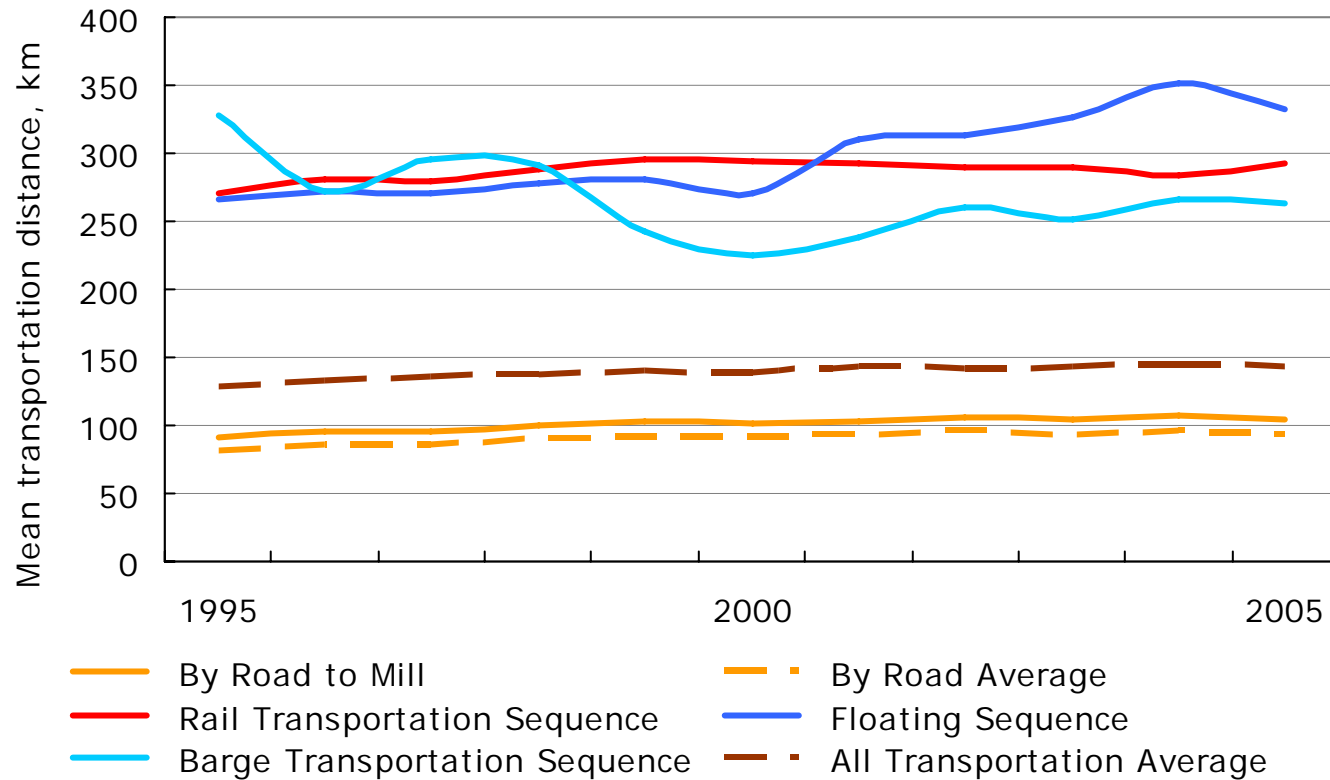
Volumes, Distance and Unit Costs

	Domestic roundwood				
	1 000 m ³	%	km	Cent/m ³ km	€/m ³
By road to mill	33 272	80.1	105	5.4	5.68
Rail transportation sequence	6 845	16.5	293	3.0	8.92
By road to railway	6 482	15.6	48	7.9	3.81
Rail transportation	6 845	16.5	245	2.2	5.34
Water transportation sequence	1 421	3.4	311	2.7	8.35
<u>Floating sequence</u>	997	2.4	332	2.4	8.07
By road to floating point	993	2.4	48	7.3	3.49
Floating	997	2.4	284	1.7	4.74
<u>Barge transportation sequence</u>	424	1.0	263	3.4	9.00
By road to barge	371	0.9	52	6.5	3.38
Barge transportation	424	1.0	212	2.8	6.03
Total by road	41 118	99.0	93	5.7	5.31
Total long-distance transportation	41 537		143	4.4	6.31

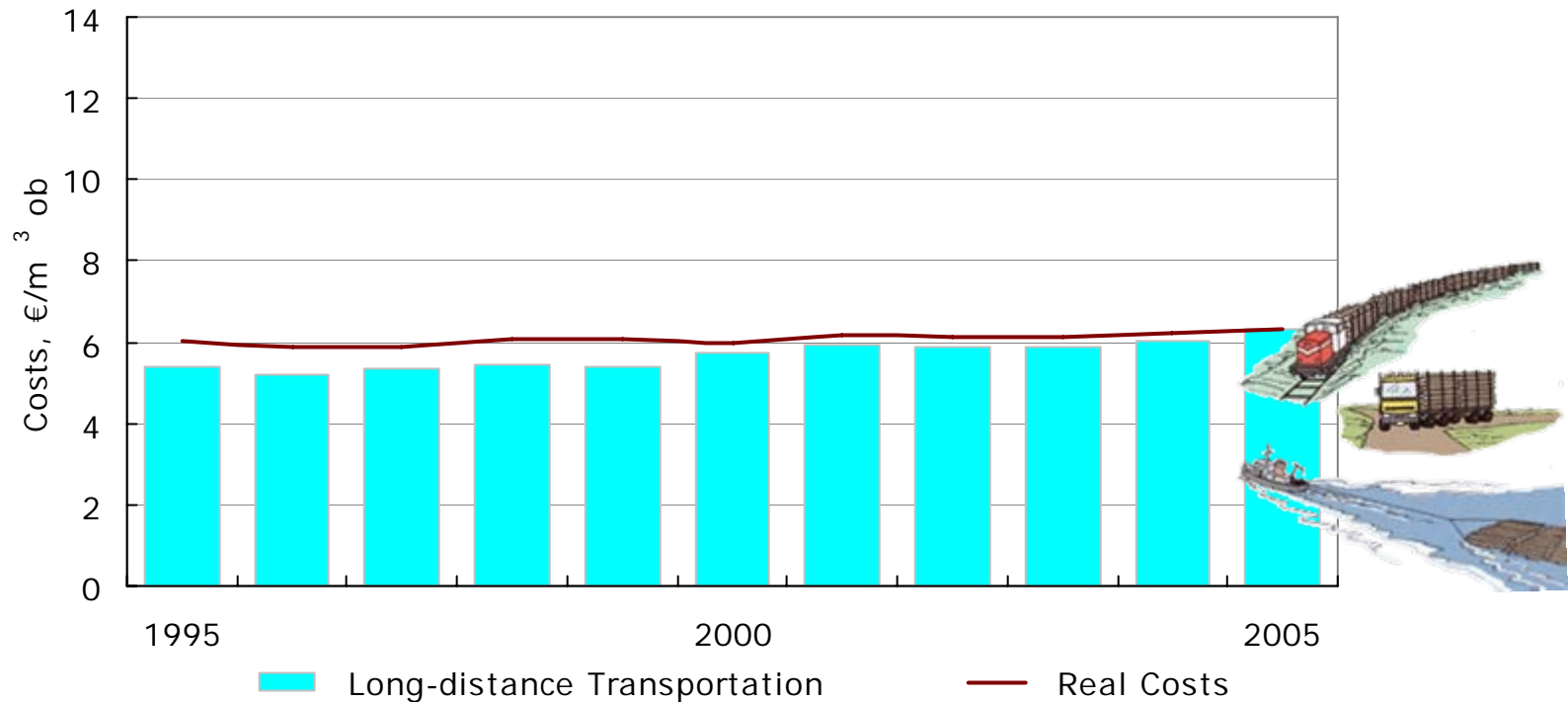
Mean Transportation Distance



Transport distance 1995 - 2005

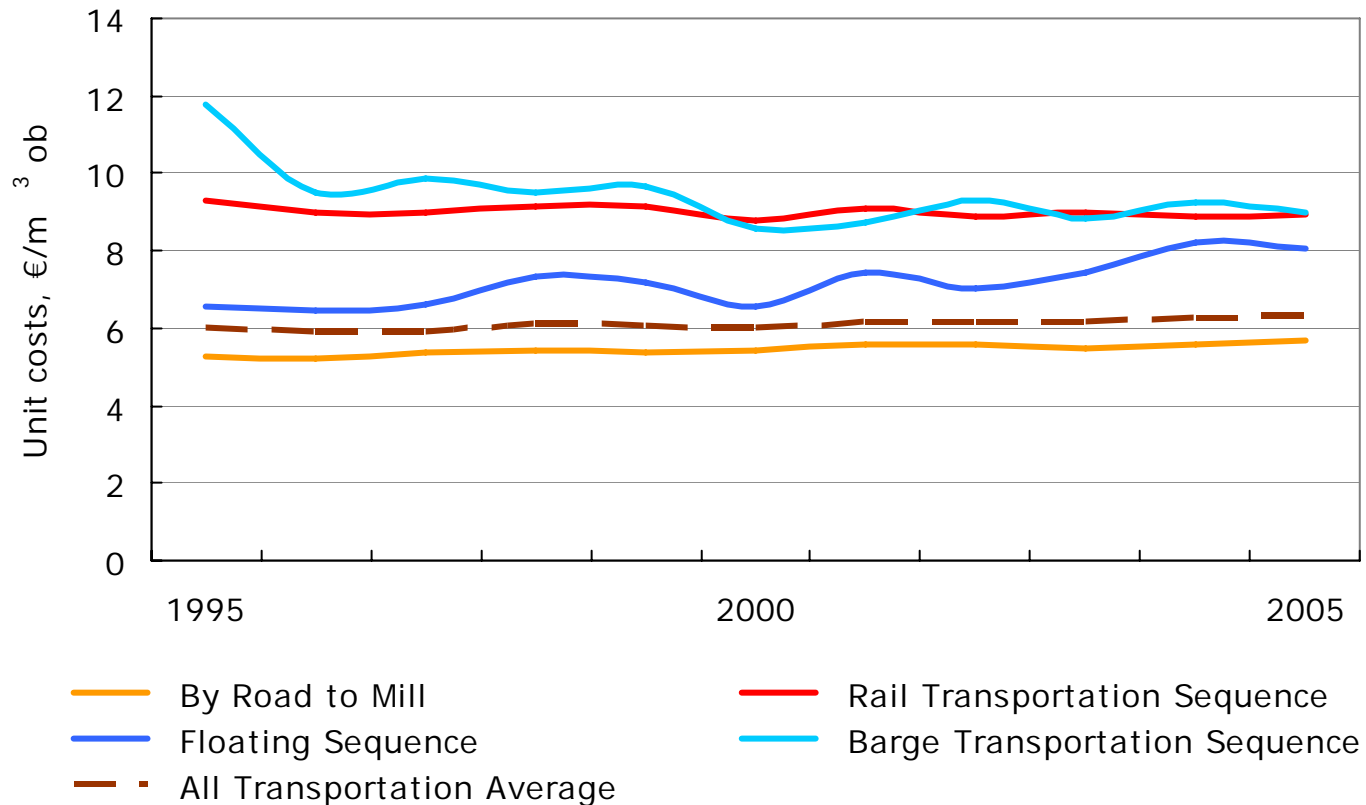


Unit Costs 1995 - 2005



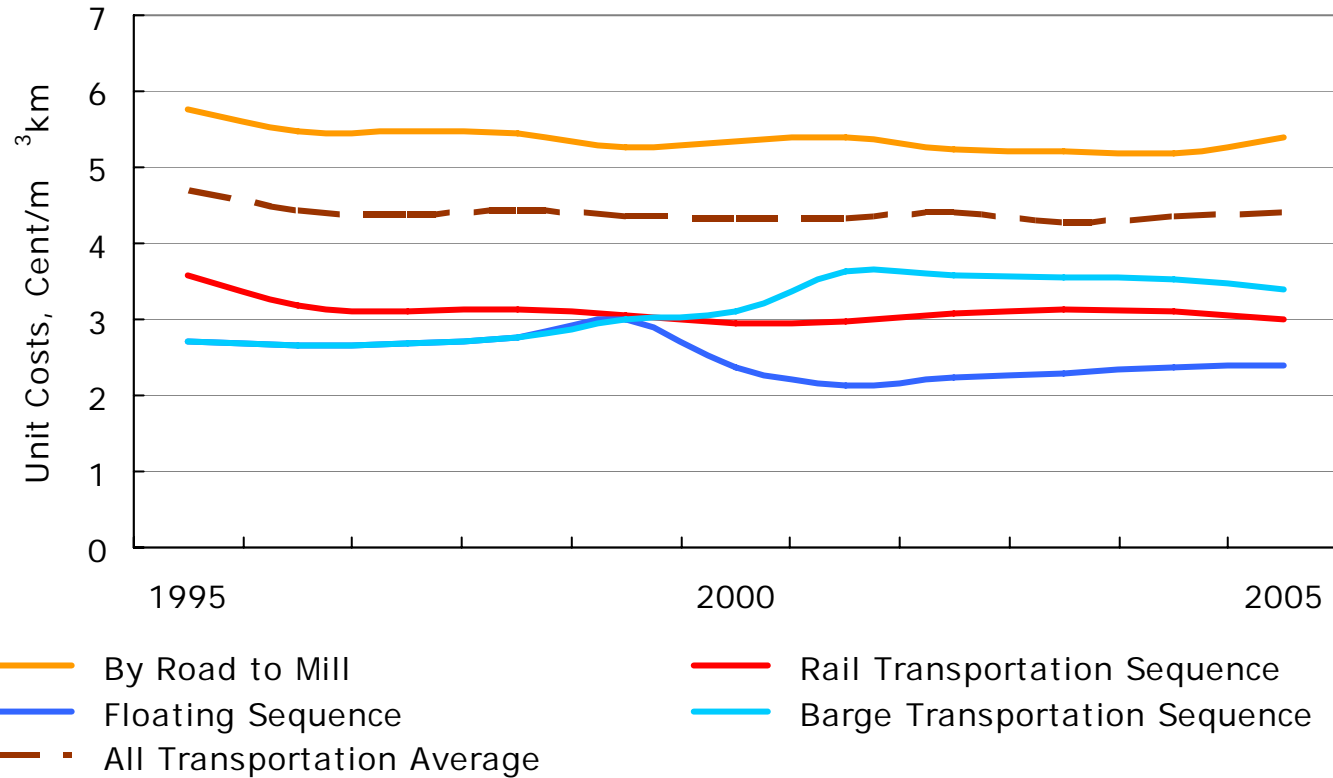
Real costs have been deflated by the wholesale price index.

Unit Costs 1995 – 2005 (timber volume)



Real costs have been deflated by the wholesale price index.

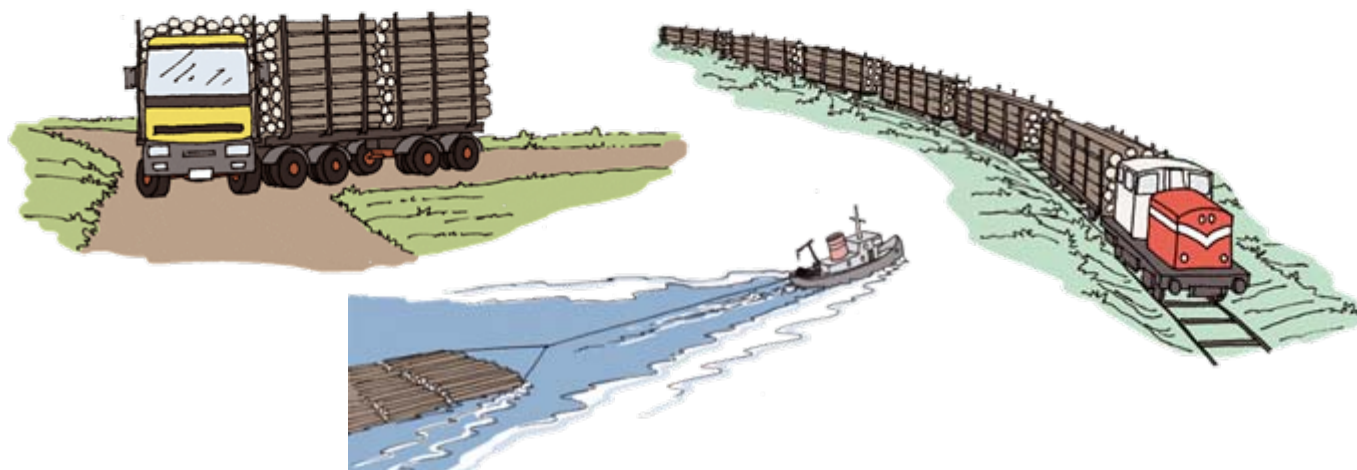
Unit Costs 1995 – 2005 (transport volume)



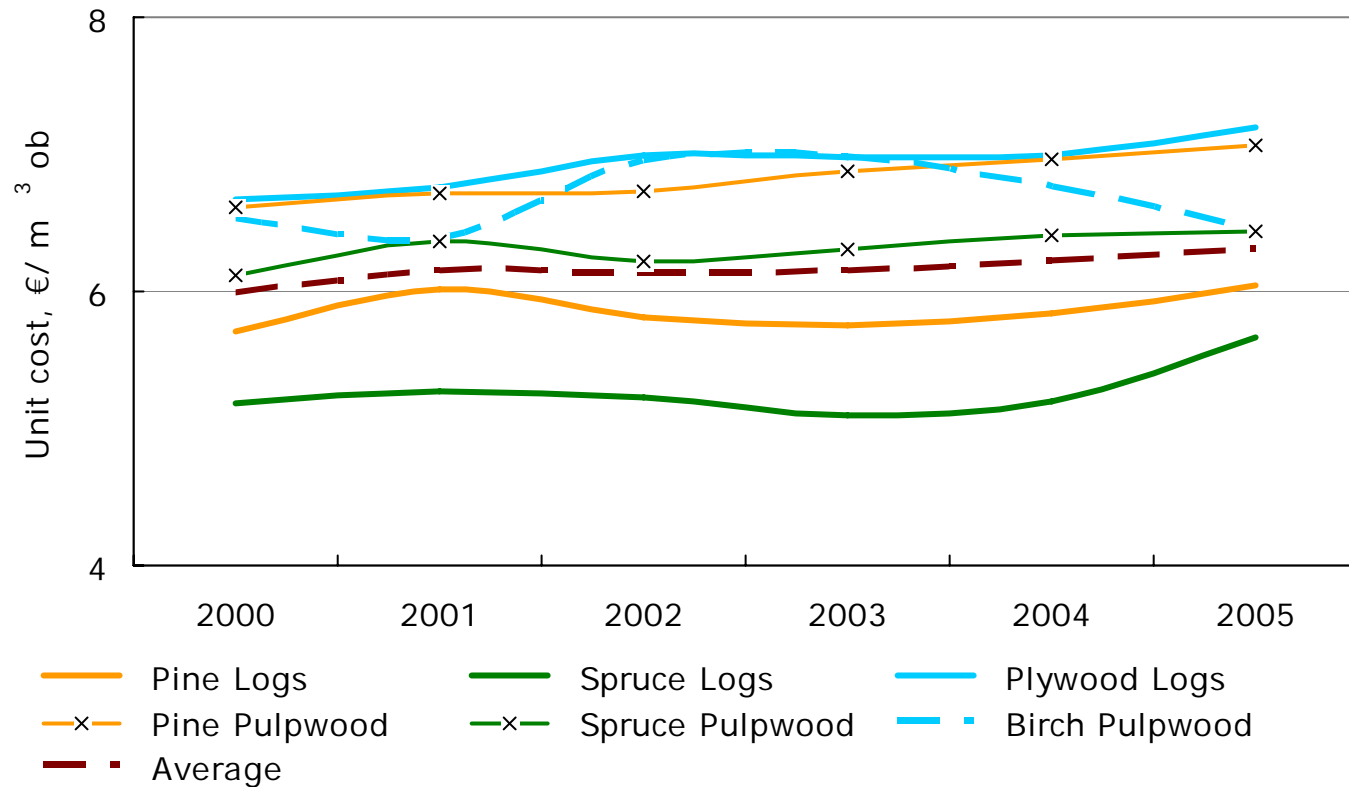
Real costs have been deflated by the wholesale price index.

Unit Costs by Timber Assortments

	Pine	Spruce logs	Plywood	Pine	Spruce pulpwood	Birch	Total
	€/m ³						
Long-distance transportation	6.05	5.66	7.19	7.06	6.44	6.45	6.31

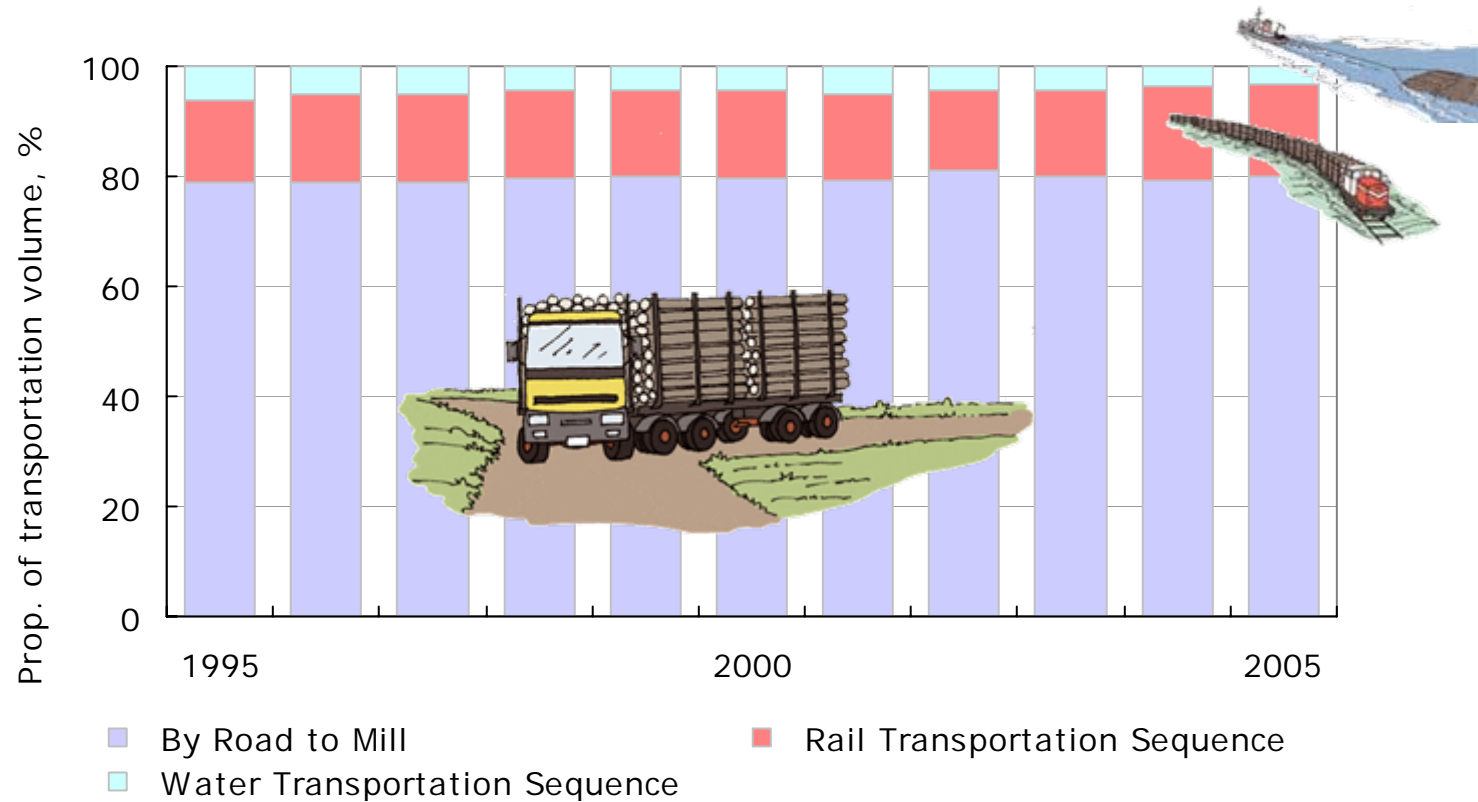


Unit Costs 2000 – 2005 (timber assortments)



Real costs have been deflated by the wholesale price index.

Way of Transportation 1995 - 2005



As share of total domestic roundwood transported to the mills.

Volumes of Imported Rounwood

	Imported rounwood			
	1 000 m ³	%		
By road to mill	4 049	23.4		
Rail transportation sequence	7 779	45.0		
By road to railway	227	1.3		
Rail transportation	7 779	45.0		
Water transportation sequence	5 458	31.6		
<u>Floating sequence</u>	0	0.0		
By road to floating point	0	0.0		
Floating	0	0.0		
<u>Barge transportation sequence</u>	5 458	31.6		
By road to barge	0	0.0		
Barge transportation	5 458	31.6		
Total by road	4 276	24.7		
Total long-distance transportation	17 287			

Transportation of Imported Roundwood 2001 - 2005

