

FINANCING THE DEVELOPMENT OF SMALL PORTS - A CASE STUDY -

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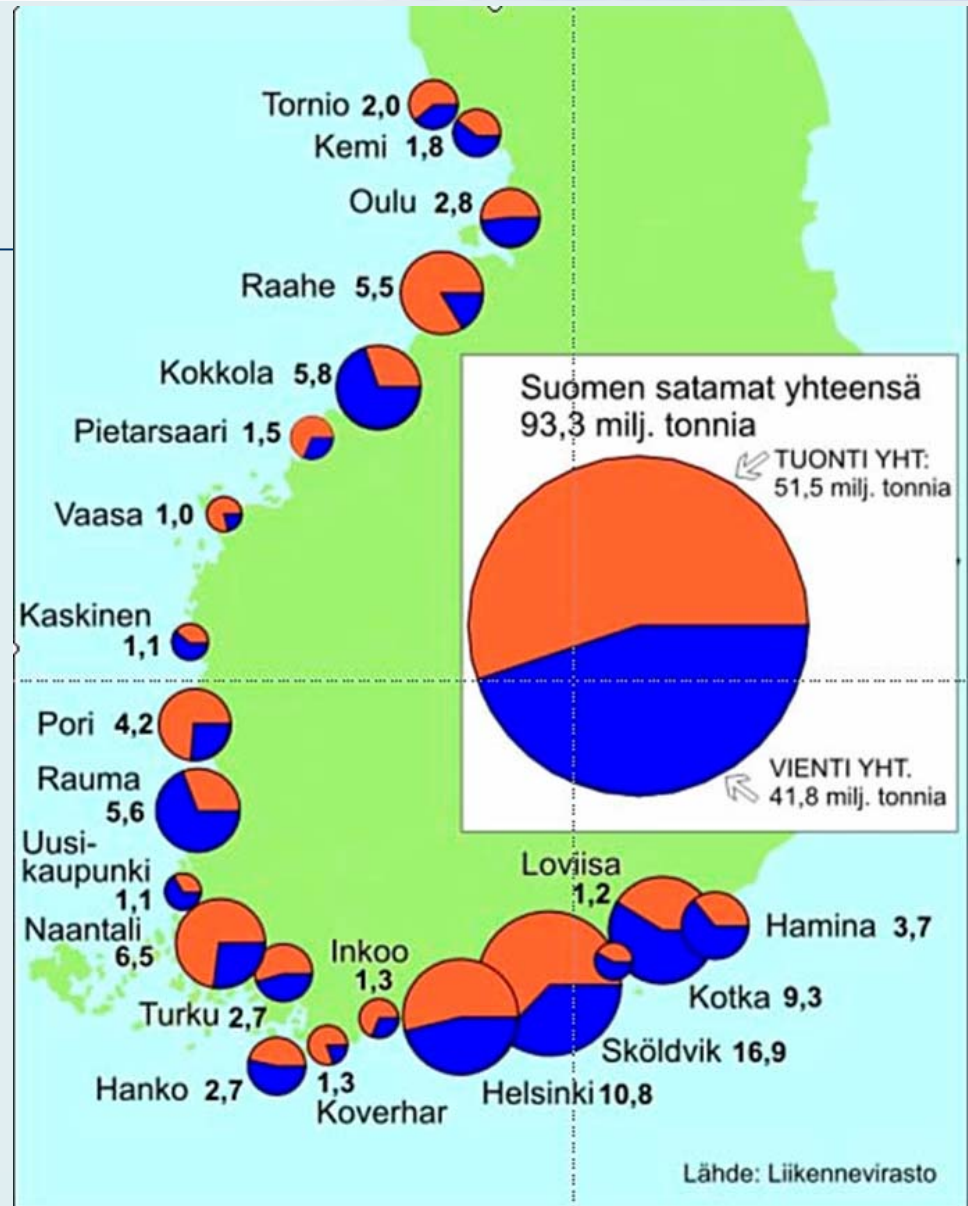
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Goods and passenger traffic in Finnish ports in 2010

- 50 ports serve foreign trade
- 15 largest port handle 92 % of all foreign trade
- Foreign trade 2010 was 93,3 Mtons
- Domestic trade via ports 16,6 Mtons
- Total traffic via ports ~ 110 Mtons
- Passenger traffic 17,3 Mill. pax.



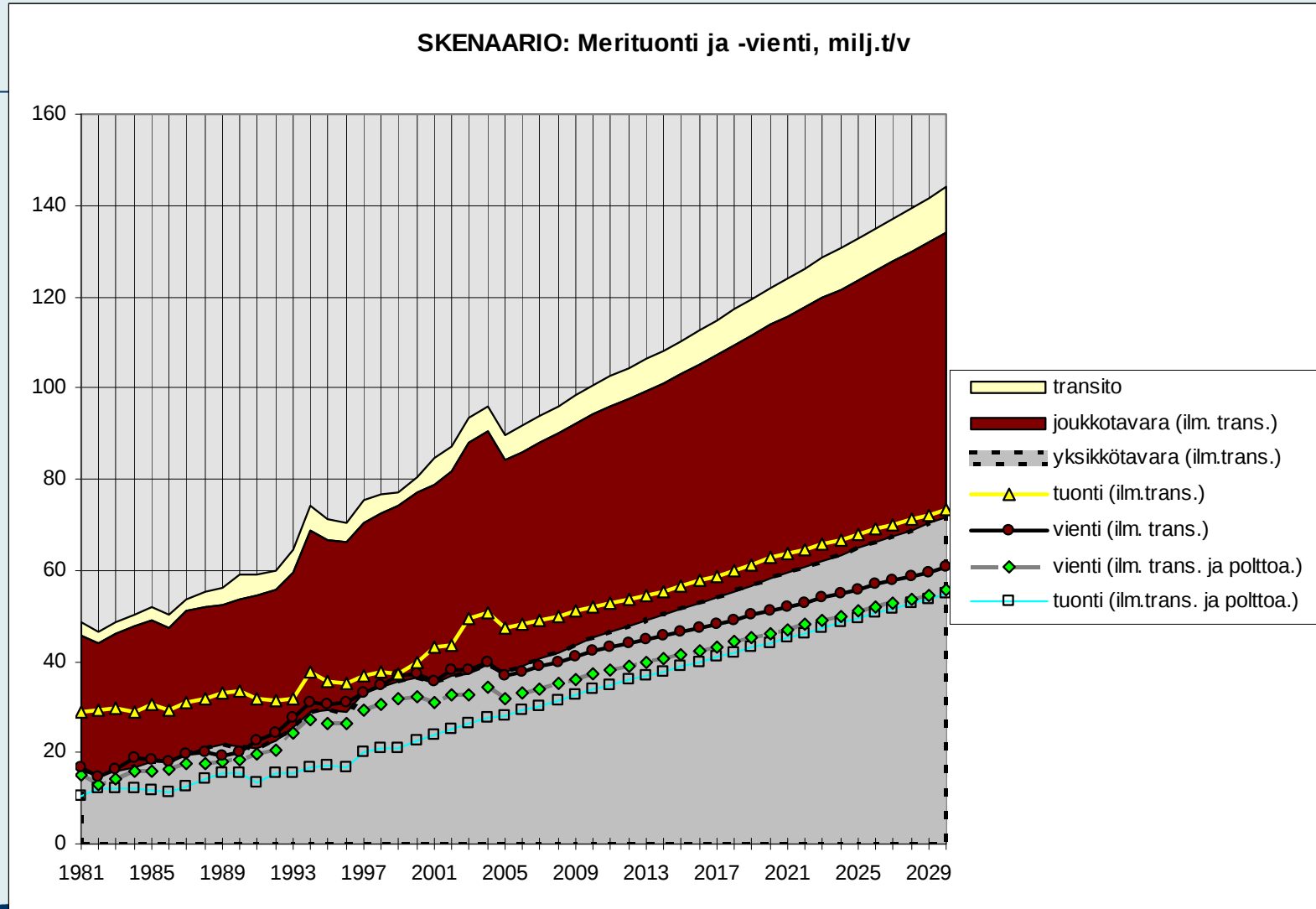


Biggest ports in Finland

Port	mill. ton	Share of tot. Traffic / 2010	Passenger traffic / 2010	Share of passenger traffic/2010
HaminaKotka	15,8	14,3%		
Helsinki	10,9	9,9 %	10,4	59,8 %
Turku/Naantali	11,0	10,1 %	3,2	18,4 %
Pori/Rauma	10,6	9,7 %		
Kokkola/Pietarsaari	7,9	7,2 %		
Oulu	3,6	3,2 %		
Kemi/Tornio	4,1	3,7 %		
Sköldvik, Raahe, Koverhar	28	25,5 %		
Year 2010	Import	51,5 Mtons	→ transito 2,1 Mtons	
	Export	41,7 "	→ transito 5,4 Mtons	
	<u>Domestic traffic</u>	<u>16,6 "</u>		
	Total	109 Mtons		
	Passenger traffic	17,4 Mill. passengers		



Seatraffic is increasing- 2030



Finnish Traffic Agency

Budget is ca. 1,6 mrd. euros/a → maritime sector and fairway maintenance is ca. 20 %.

- statistics and VTS ca. 13 M€
- seacharts ca. 8 M€
- Maritime State Aid ca. 100 M€
- Commuter (archipelago ferry lines) services ca. 55 M€
- Fairway maintenance cs. 79 M€/a
 - maintenance 26 M€
 - icebreakingn 45 M€
 - hydrographic measurements 8 M€
- Fairway development
 - Fairways under construction: Pietarsaari 11 M€, Uusikaupunki 11 M€, Hamina 18 M€ ja Savonlinna 50 M€
- Saimen Channel n. 2M€ (rent & maintenance)

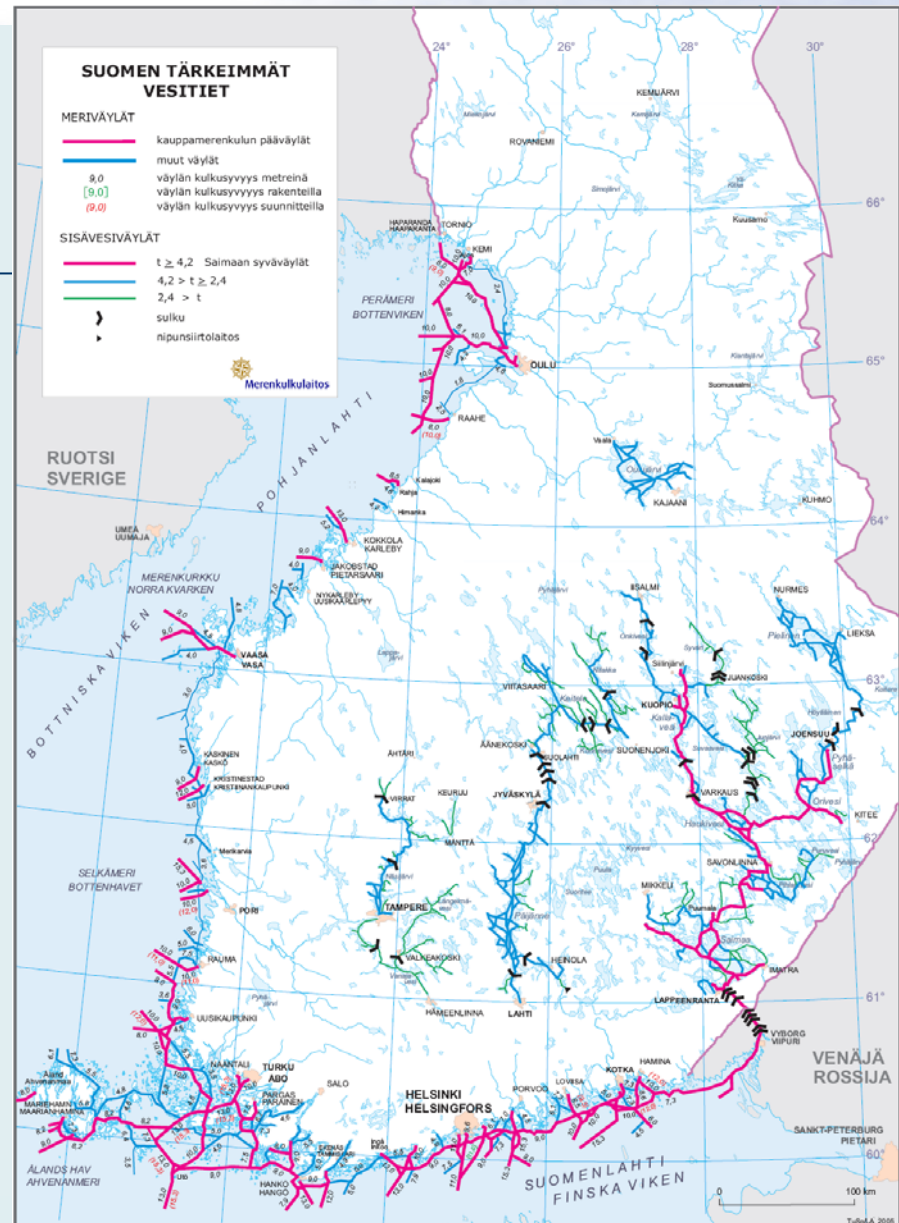




Finnish Transport Agency

Finland's network of waterways.

- Approximately 8,200 kilometers of coastal fairways and 8,000 kilometers of inland waterways are maintained by the Agency.
- The total length, some 16,200 kilometers, includes 3,900 kilometers of fairways used for merchant shipping.
- More than 33,000 maritime aids to navigation (lighthouses, buoys, signs, leading beacons, etc.); the Finnish Transport Agency is responsible for around 25,000 of these. In addition to the Saimaa canal, which connects the Saimaa watercourse to the sea, the waterway network includes 31 other lock canals.



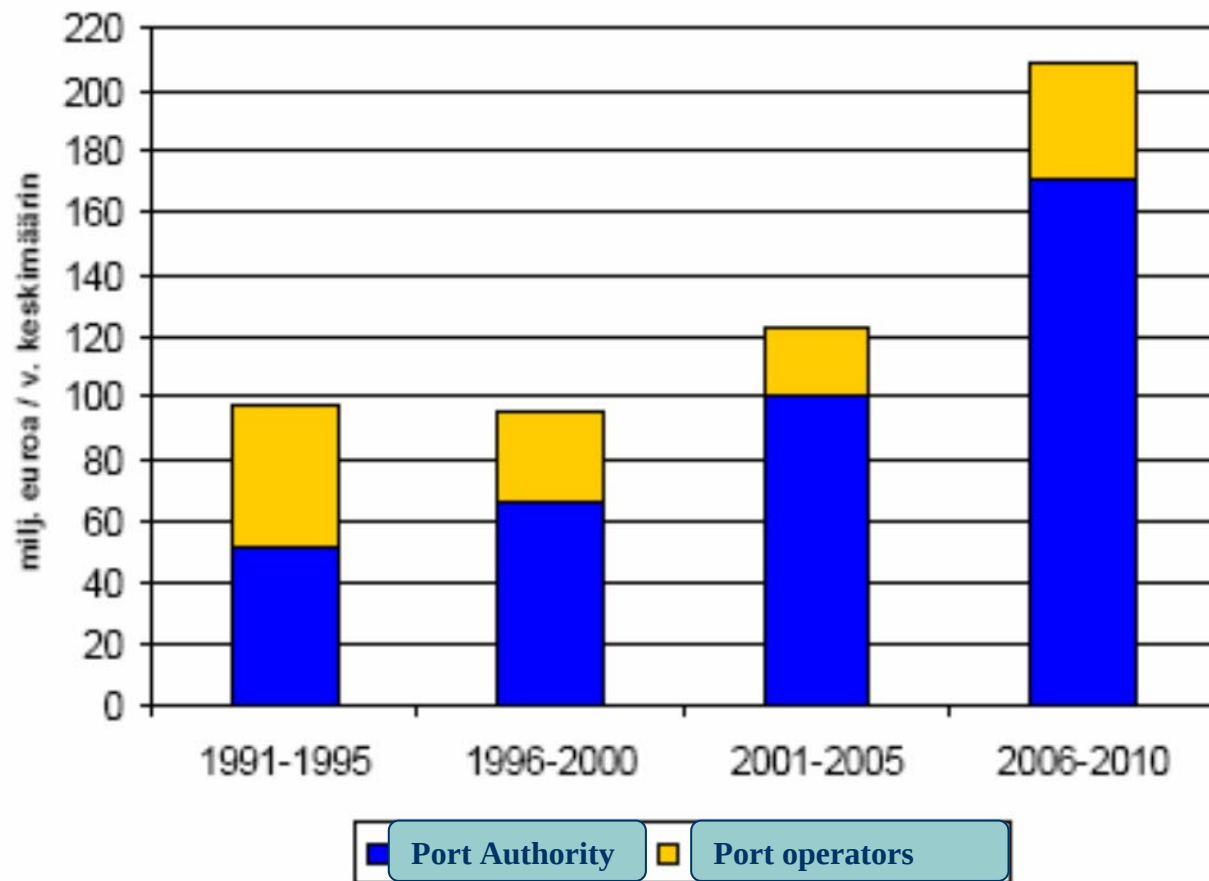


Investments in the Ports





Average investments in ports 1991 – 2010
realized 1991 – 2005, planned 2006 - 2010





Investments in ports 2001 - 2005

Port group	Port Authority (M€)	Port Operator (M€)
General ports (coastal) - Gulf of Finland - SW Finland - Gulf of Bothnia	451,28 (290,92) (81,84) (78,52)	102,90 (65,35) (18,01) (19,54)
Industrial ports (coastal)	51,70	-
Lake Saimen area - Industrial ports	2,50 (0,80)	3,45 -
TOTAL	505,48	106,35



Investments in ports 2006 - 2010

Port group	Port Authority (M€)	Port Operator (M€)
General ports (coastal) - Gulf of Finland - SW Finland - Gulf of Bothnia	750,87 (570,78) (98,65) (81,44)	188,95 (130,10) (15,69) (43,16)
Industrial ports (coastal)	94,88	-
Lake Saimen area - Industrial ports	9,11 (8,54)	2,34 -
TOTAL	854,86	191,29



Division of investments 2001 - 2010

Investment (port authority)	2001 – 2005 (M€)	2006 – 2010 (M€)	Change (M€)
Fairways & port basins	37,35	66,03	+ 28,68
Berths	106,33	185,01	+ 78,68
Fixed assets	13,93	8,64	- 5,29
Fields, roads, municipality engineer.	64,15	60,16	- 3,99
Buildings	67,81	71,08	+ 3,27
Gargo handling equipment	40,05	56,01	+ 15,96
Safety and security arrangements	20,16	8,79	- 11,37
Others	27,66	37,24	+ 9,58
Port of Vuosaari	128,04	361,90	+233,86
TOTAL	505,48	854,86	+349,38



Division of investments 2001 - 2010

Investment (port operator)	2001 – 2005 M€	2006 – 2010 M€	Chnage M€
Buildings	22,77	88,33	+ 63,56
Cargo equipment	72,47	95,06	+ 22,59
Others	11,11	9,90	- 1,21
TOTAL	106,35	191,29	+ 84,94



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Case Study



Port of Kalajoki – Case Study





Port of Kalajoki – Case Study





Port of Kalajoki – vision 2025

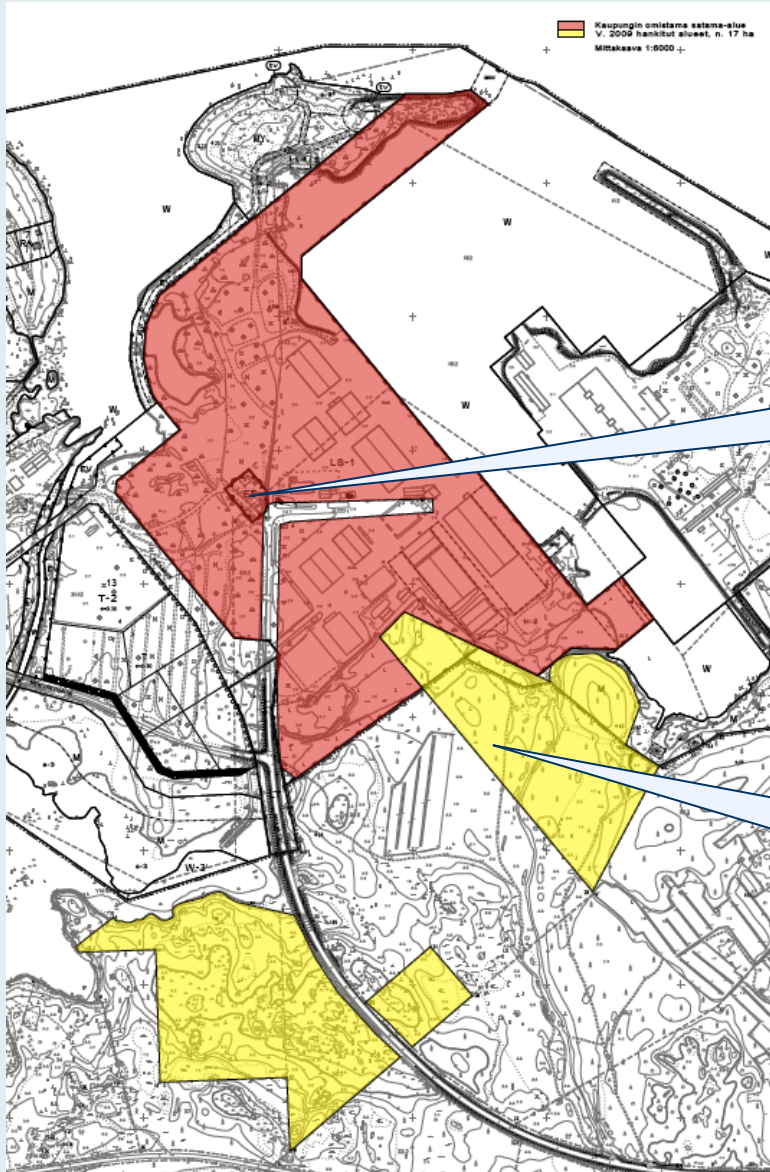


VISION 2025 – NEW FIELDS, WAREHOUSES AND BERTHS
(Made by Avecen Oy)



Port of Kalajoki - facts

- Established 1955 (1897)
- Annual traffic ~ 300 000 tons
- Ca. 100 vessel calls/a.
- Area 32 ha (additional 17 ha / Kalajoki municipality)
- Fairway depth 8,5 mtrs
- Berths 415 mtrs
- Warehouses 30 000 m² (owned by Kalajoki municipality)
- Coming investments → new berth (70 mtrs) for timber
- Direct employment ~ 100 pers. → taxes to Kalajoki ~ 550 000 €
- Indirect employment ~ 200 pers.

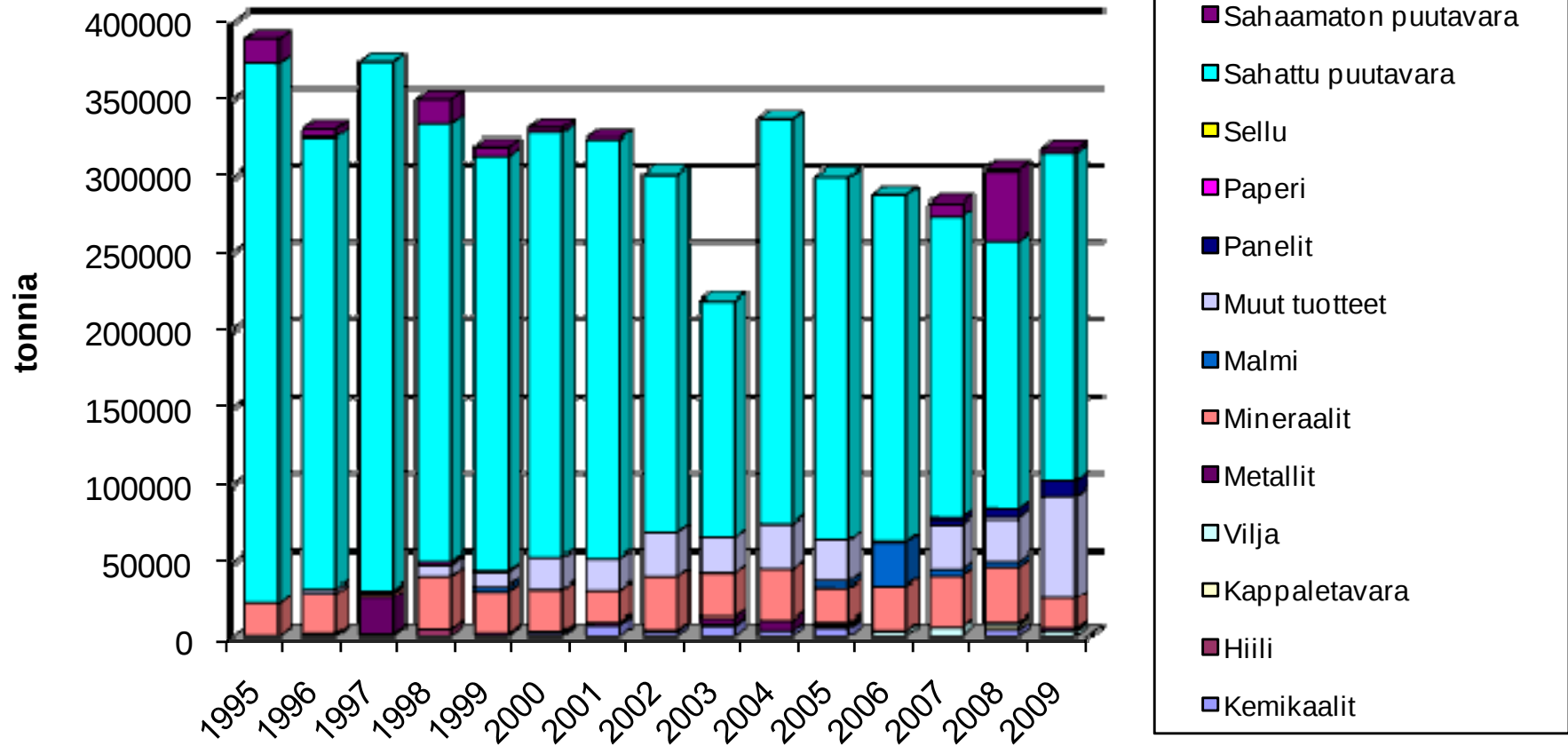


Port area today ~ 32 ha

Additional areas ~ 17 ha

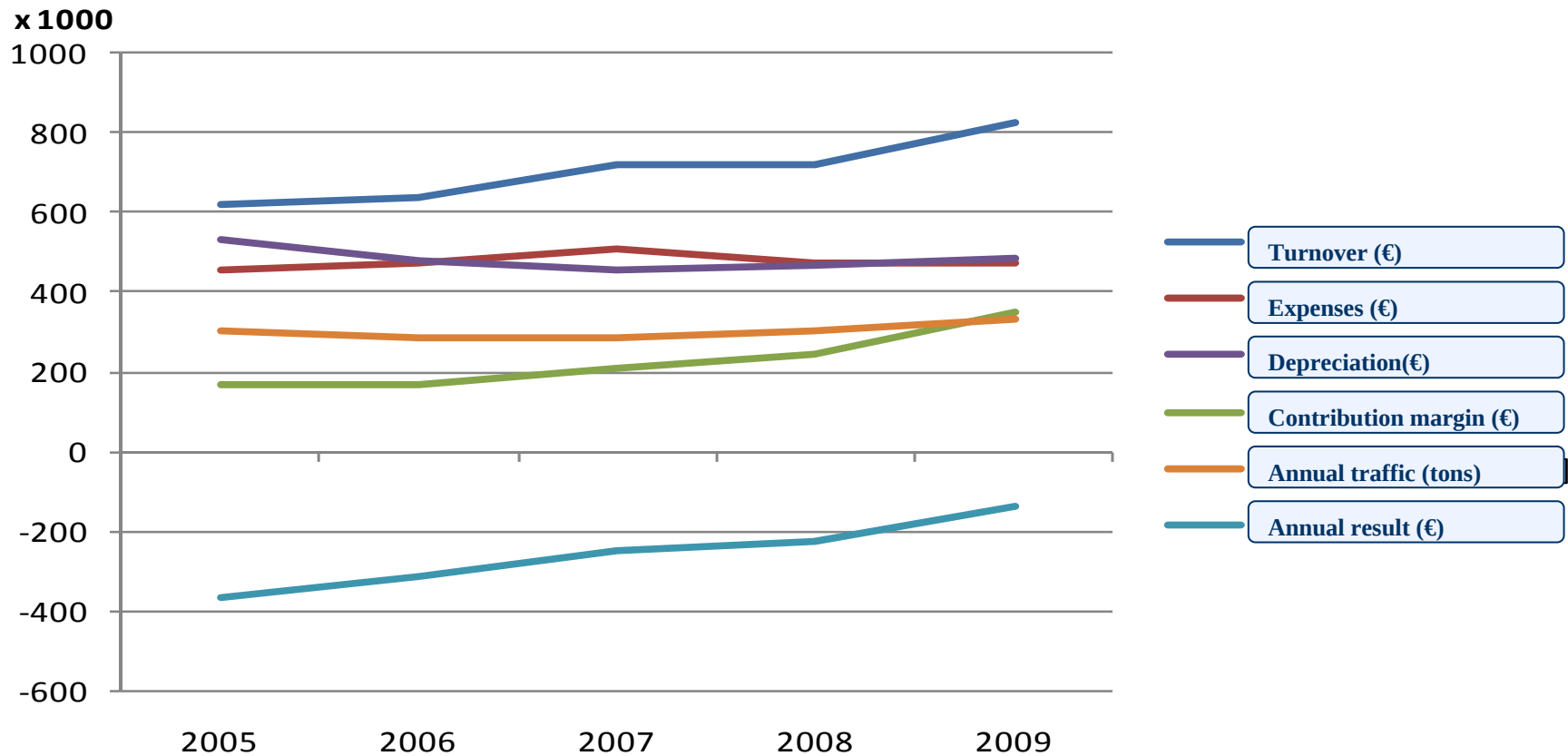


Port of Kalajoki – traffic 1995 - 2009





Port of Kalajoki – Annual results



Thank You for Your Attention !

