

# The New Silk Road



# BELT and ROAD — A GLOBAL TRANSPORT

— 帶 — 路



Image Landsat / Copernicus  
Data SIO, NOAA, U.S. Navy, NGA, GEBCO  
Image IBCAO  
Image U.S. Geological Survey





# NORTH CORRIDORE – SAFE AND STABLE



# MERICS China Mapping

## One Belt, One Road: With the Silk Road Initiative, China Aims to Build a Global Infrastructure Network

Projects completed and planned: December 2015

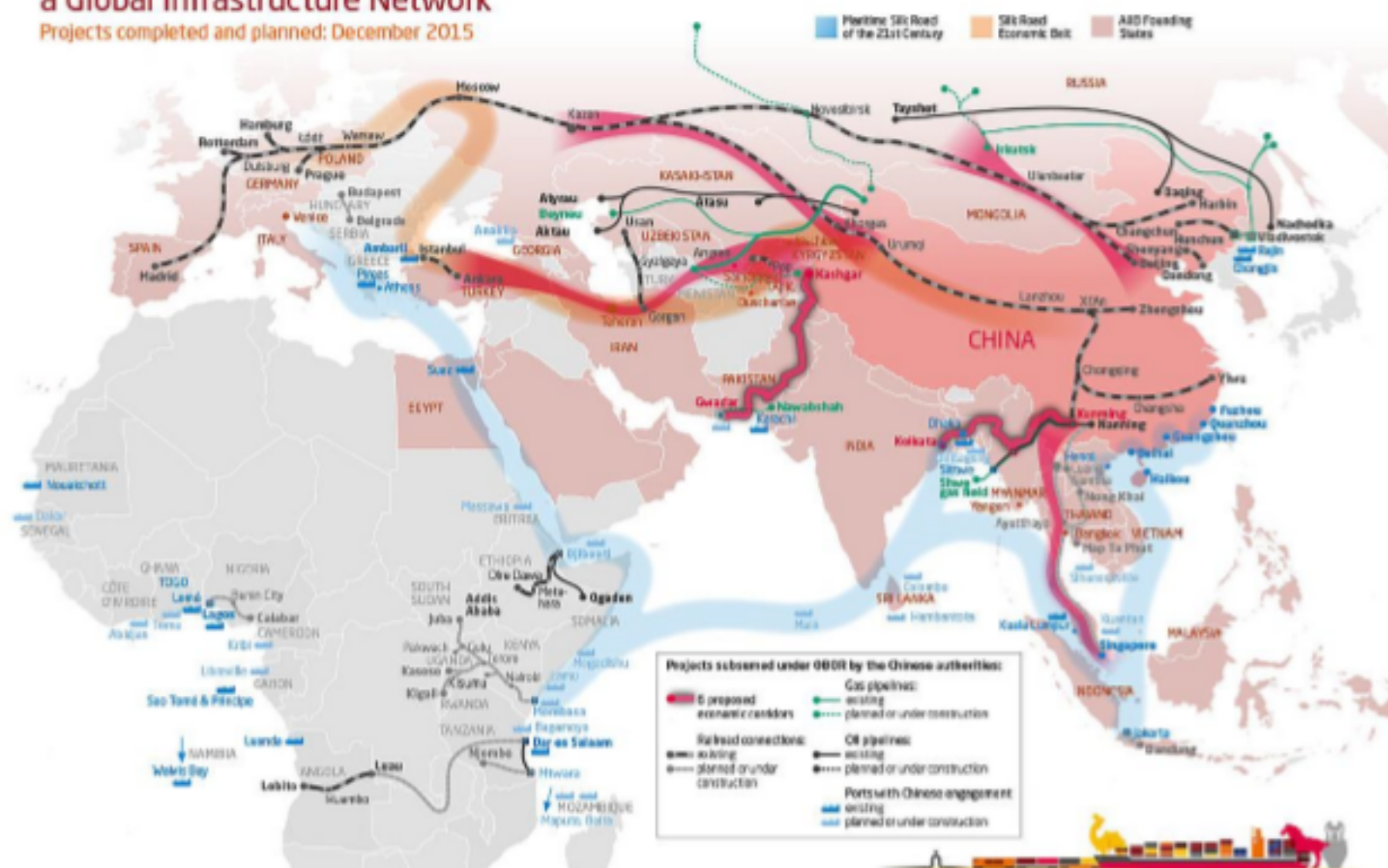


Figure 27 EU-China land and sea trade block routes<sup>59</sup>



# 1. EURASIAN SERVICE LINES

TRANSIT TIME: 14 – 18 DAYS



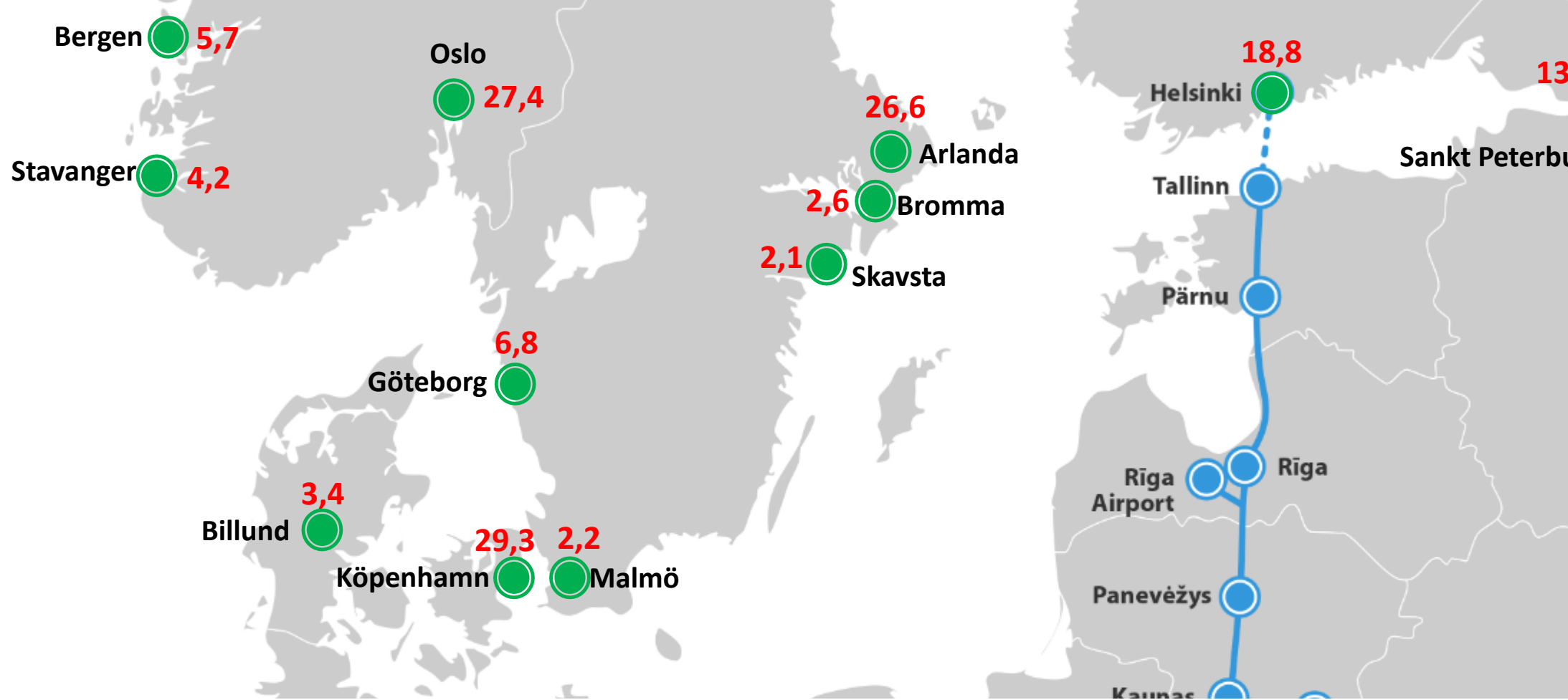


# Better social life and welfare for all

- Can only be possible with economic growth and good environment
- Economic growth is depending on transports for trade and service
- Rail transport enabled the industrial era in Europe and made poor Scandinavia rich
- Poor transport performance creates unemployment and difficult life
- Transport losses in Sweden 12 bn SEK of 34 bn SEK revenue







Total **140,3** million passengers 5% increase every year!





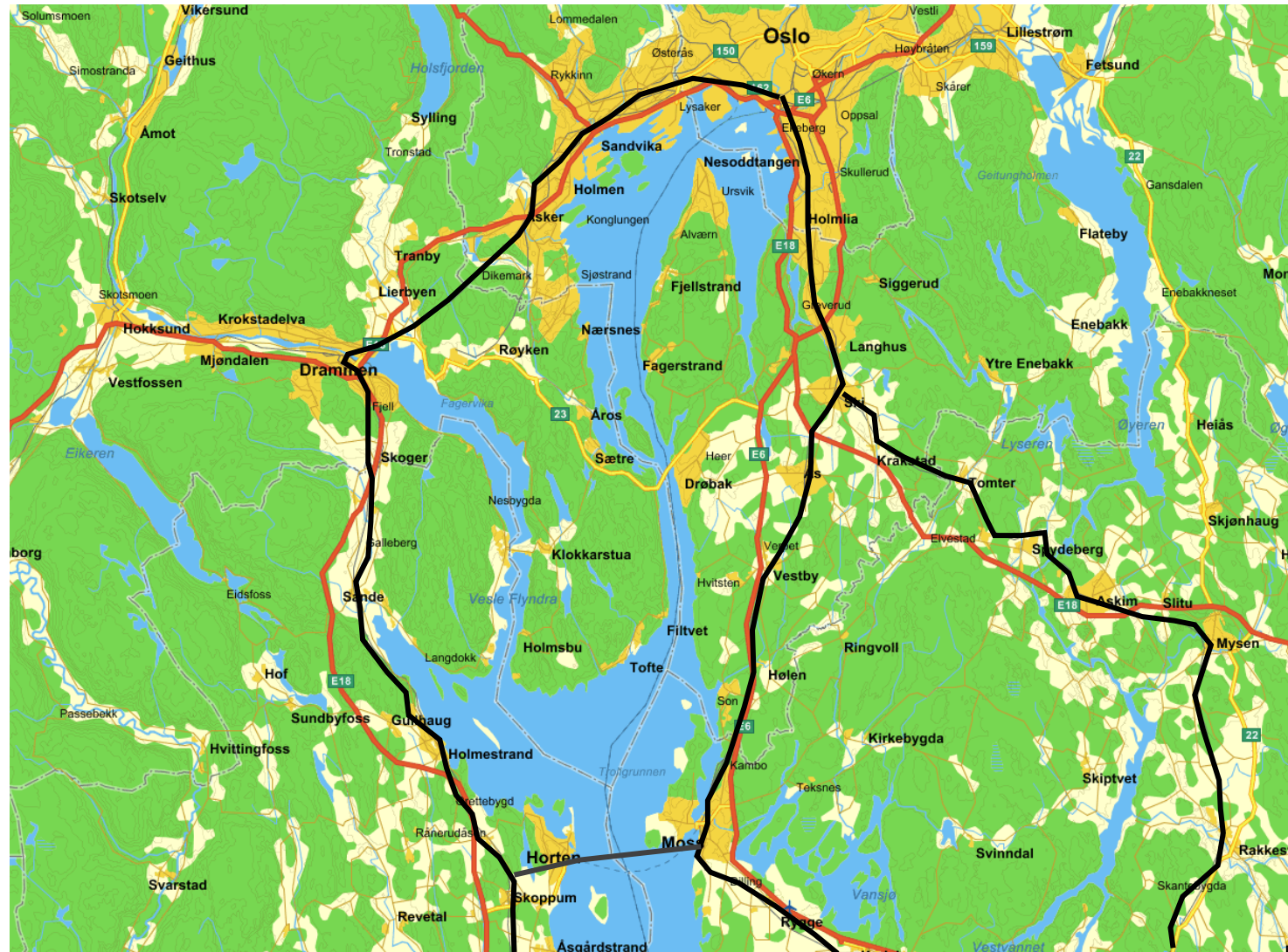
— One Belt One Road

— Trafikverket

— Rail Baltica

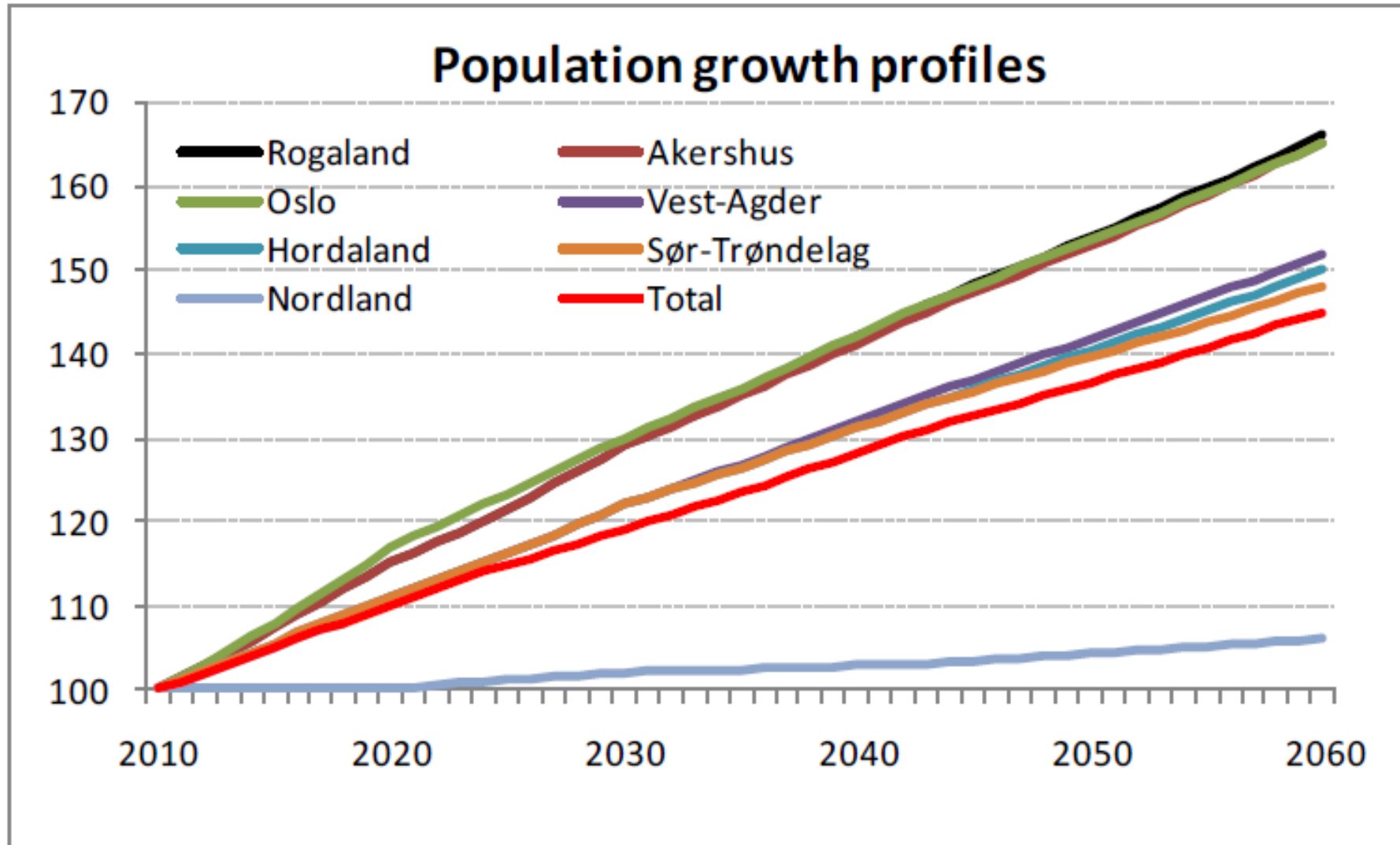
— North Sea Baltic Corridor

# Oslofjorden Horten - Moss



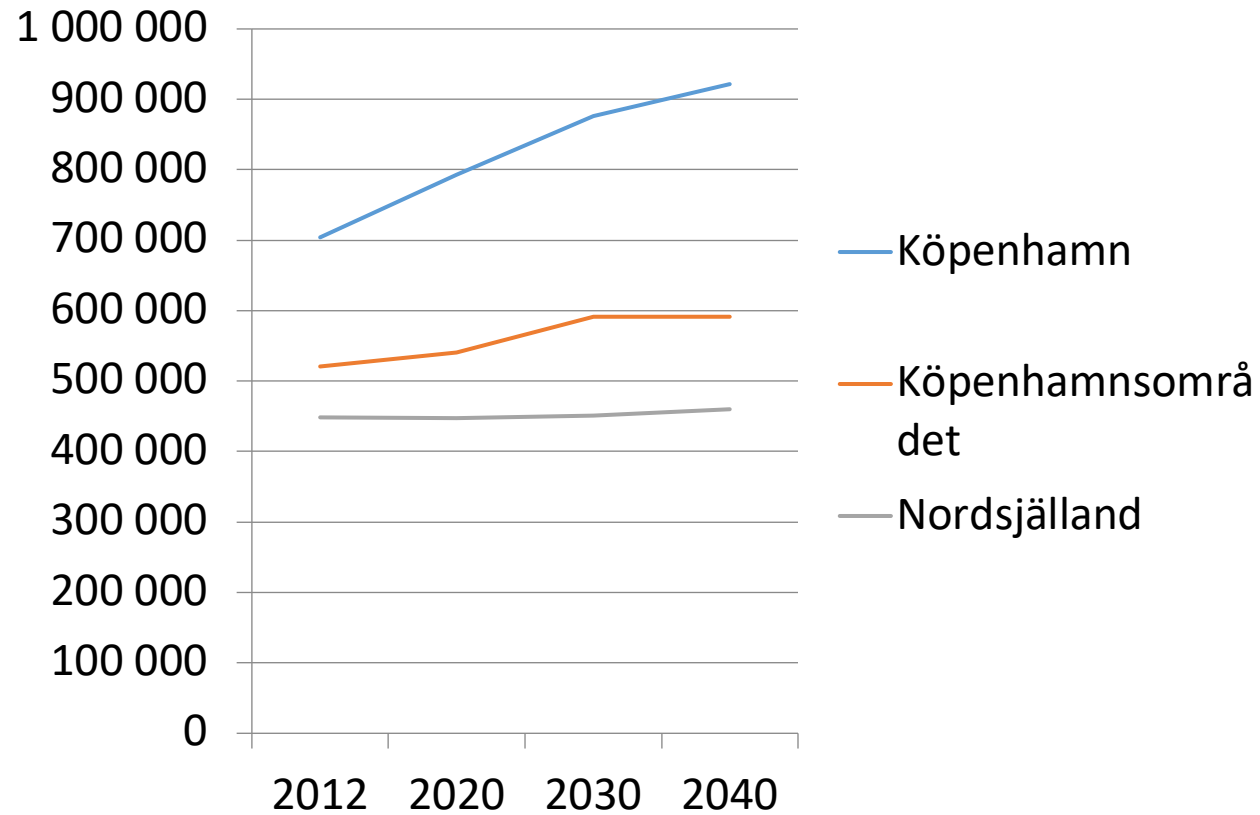
# Population growth Norway + 30%

Figure 3.1 – Population growth profiles (2010-2060)

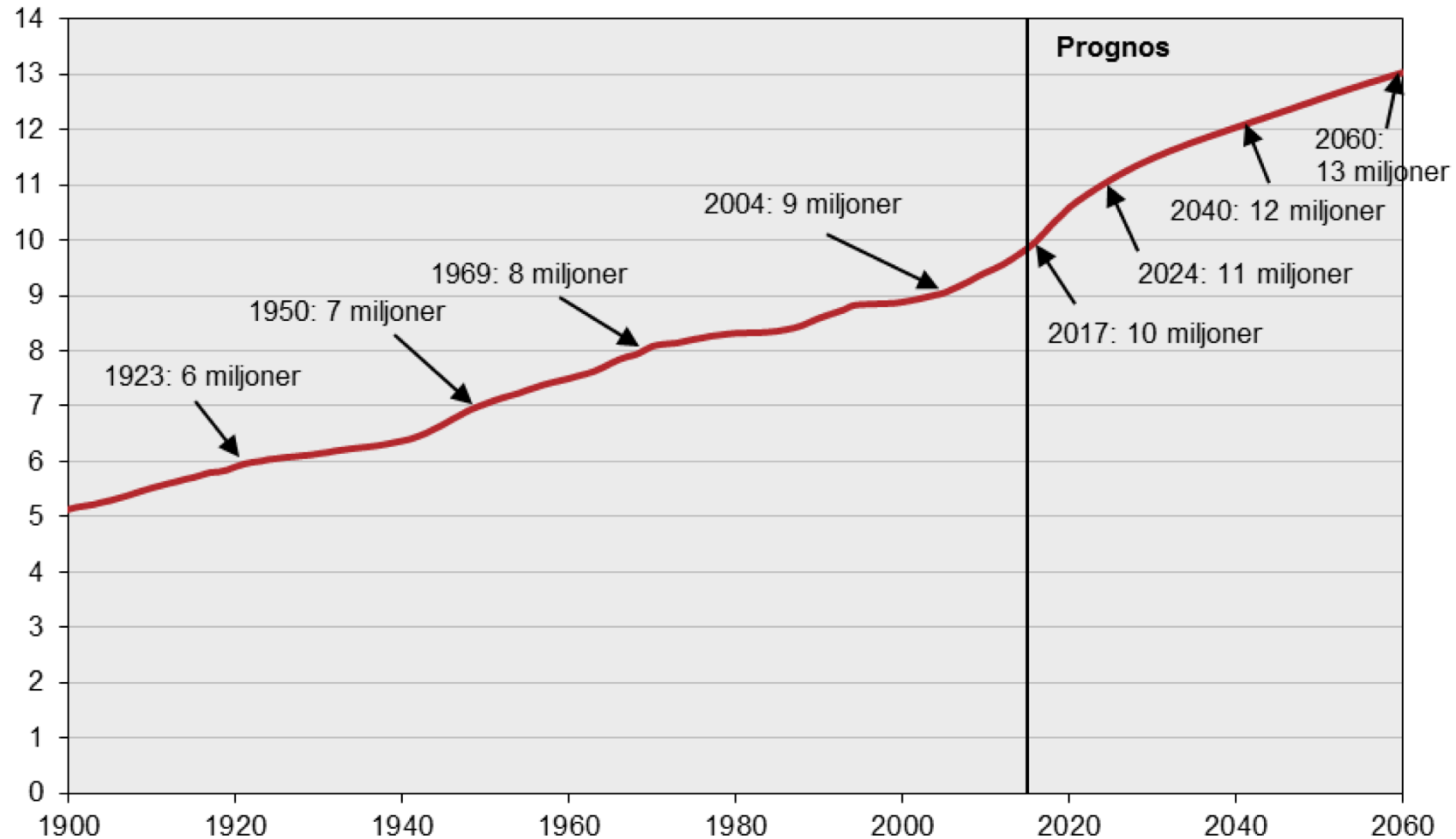




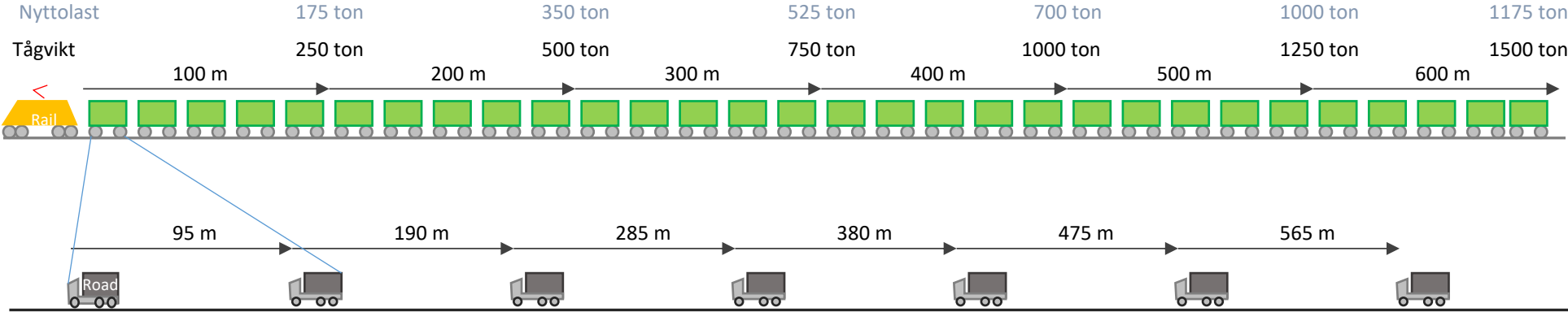
# Population growth Denmark + 28%






# Population growth Sweden + 24%



# Transportval



50 ton  =  

Tågvikt 1000 ton = 40 lastbilar = 3800 meter  
 70 tåg per dygn = 2800 lastbilar = 266 000 meter = 26,6 mil

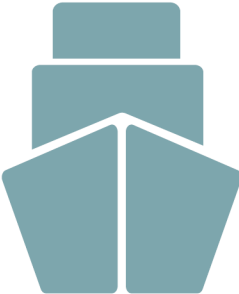


1 kg CO<sub>2</sub> as a limit for transportation of 1 tons compared with different transport modes.



**Lastbil  
drygt 2 mil**

20 km



**Lastfartyg  
drygt 20 mil**

200 km



**Godståg  
drygt 900 mil**

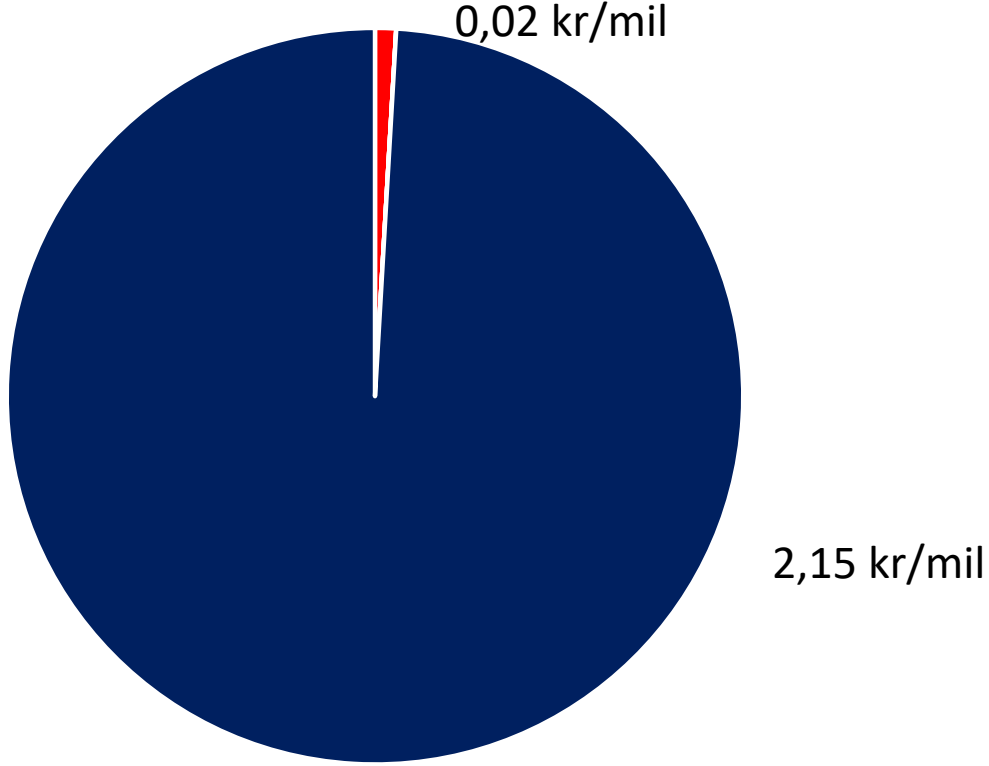
900 km





# Train is a profit for society

Train cost 2,17 SEK/mil in society costs



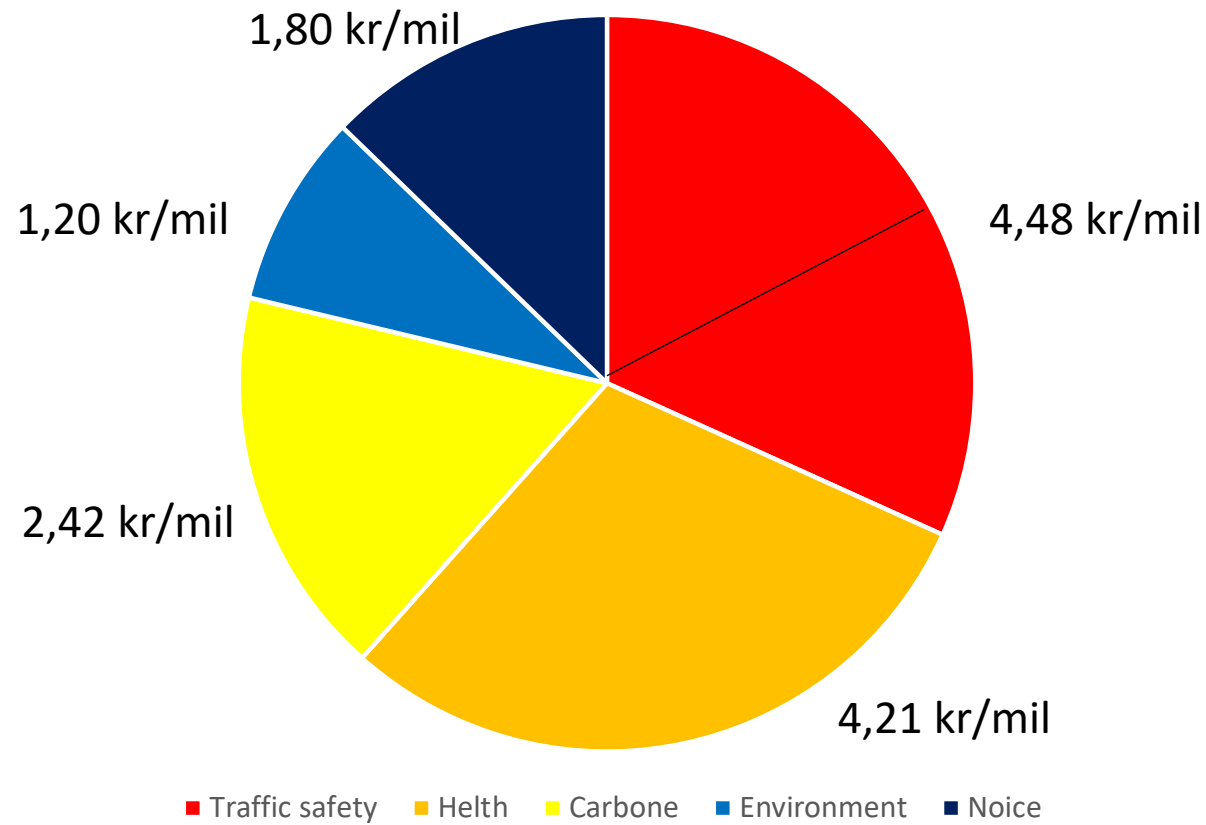
Taraffic safety Helth Carbon Environment Noise

**Travel by train save 146 712 SEK per year and person to the public !**



# Car never pay its bill for sosociety

**The car cost 14,11 kr/mil in society costs**

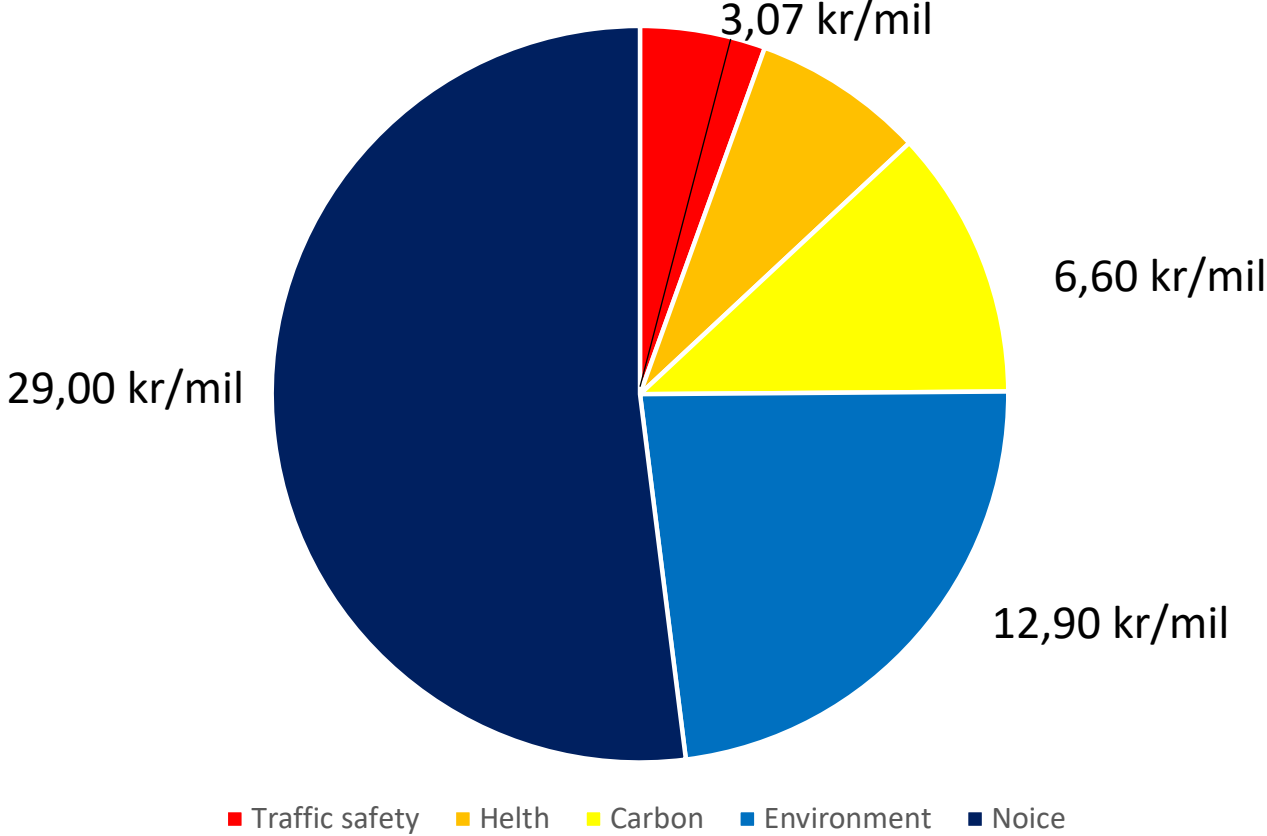


**Every car is subsidized by government with 9 902 SEK every year!**



# The lorry does not pay its bill for society

The lorry costs 55,78 kr/mil in society costs

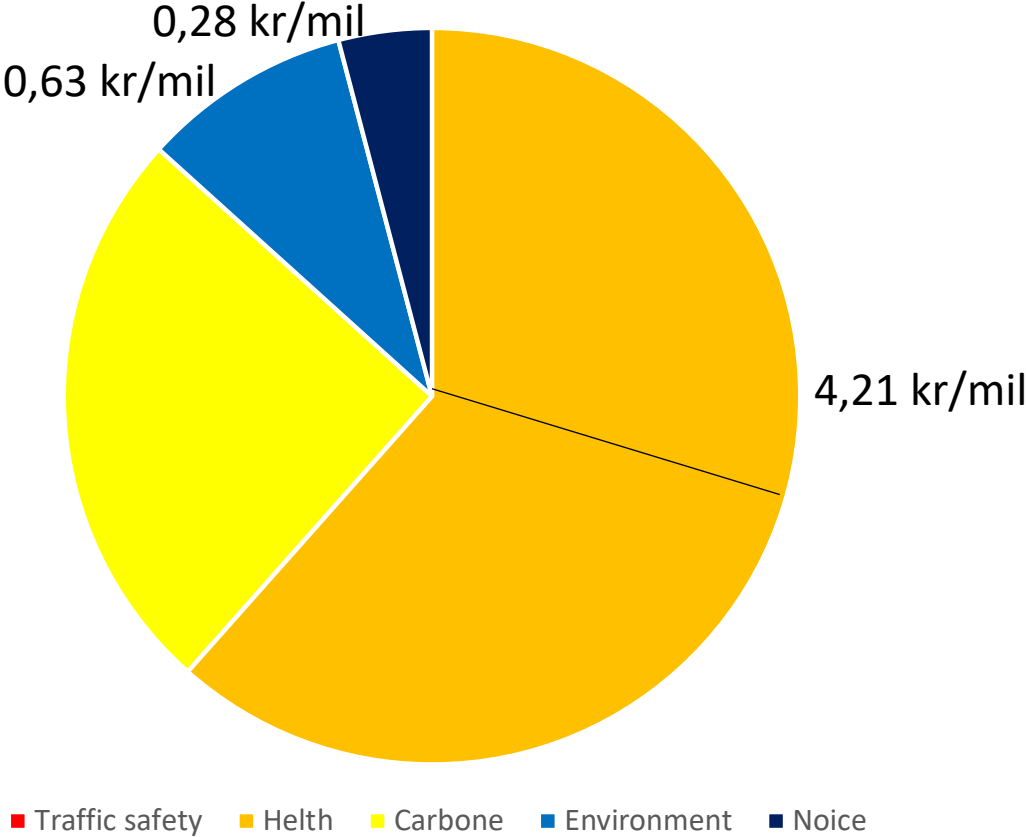


Every lorry is subsidized by 97 084 SEK every year by the society!



# The airplane does not pay its bill for society

**The airplane costs 9,08 SEK/mil in society**



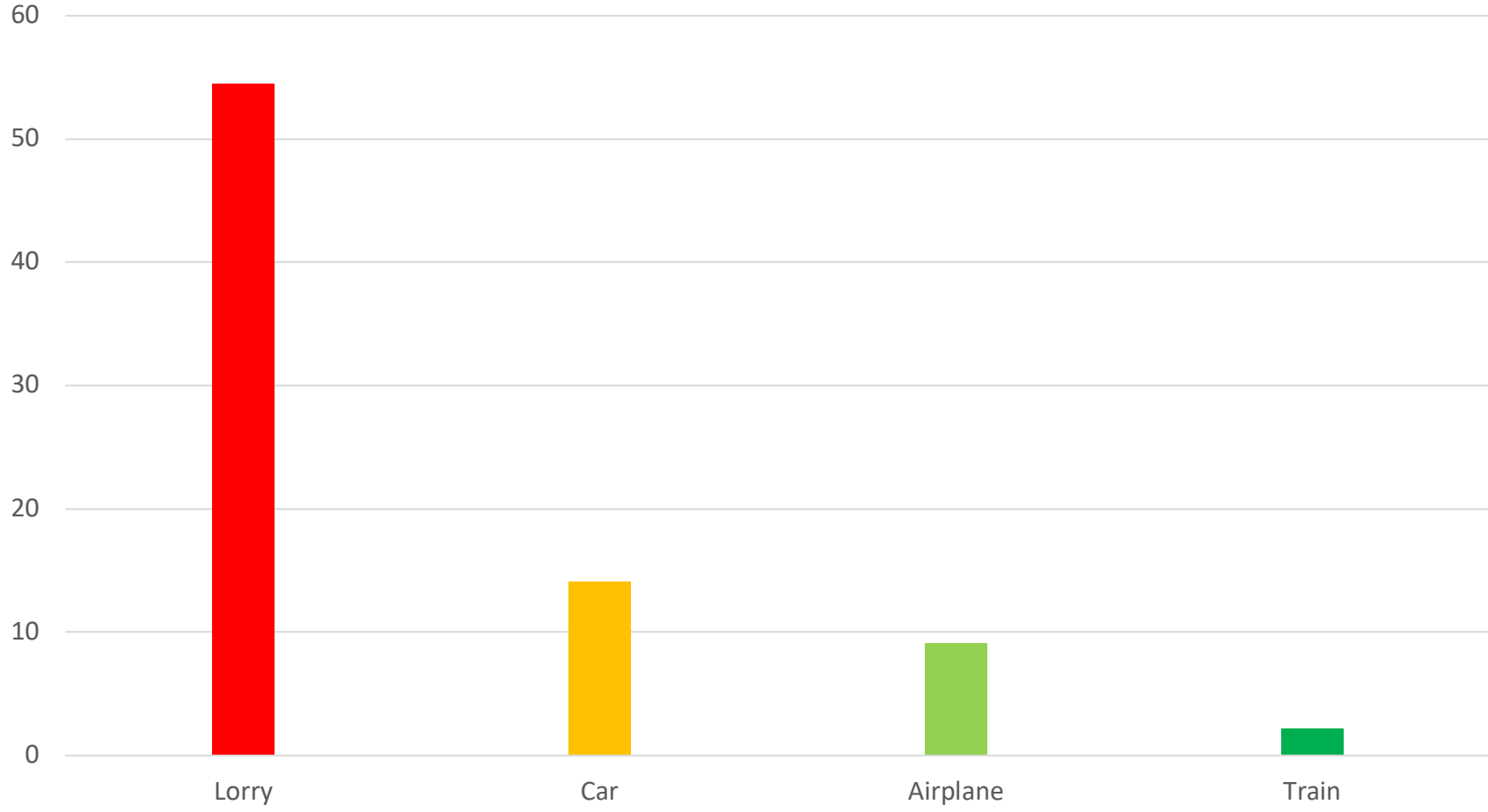
**Every air trip is subsidized by 545 SEK by sosociety!**

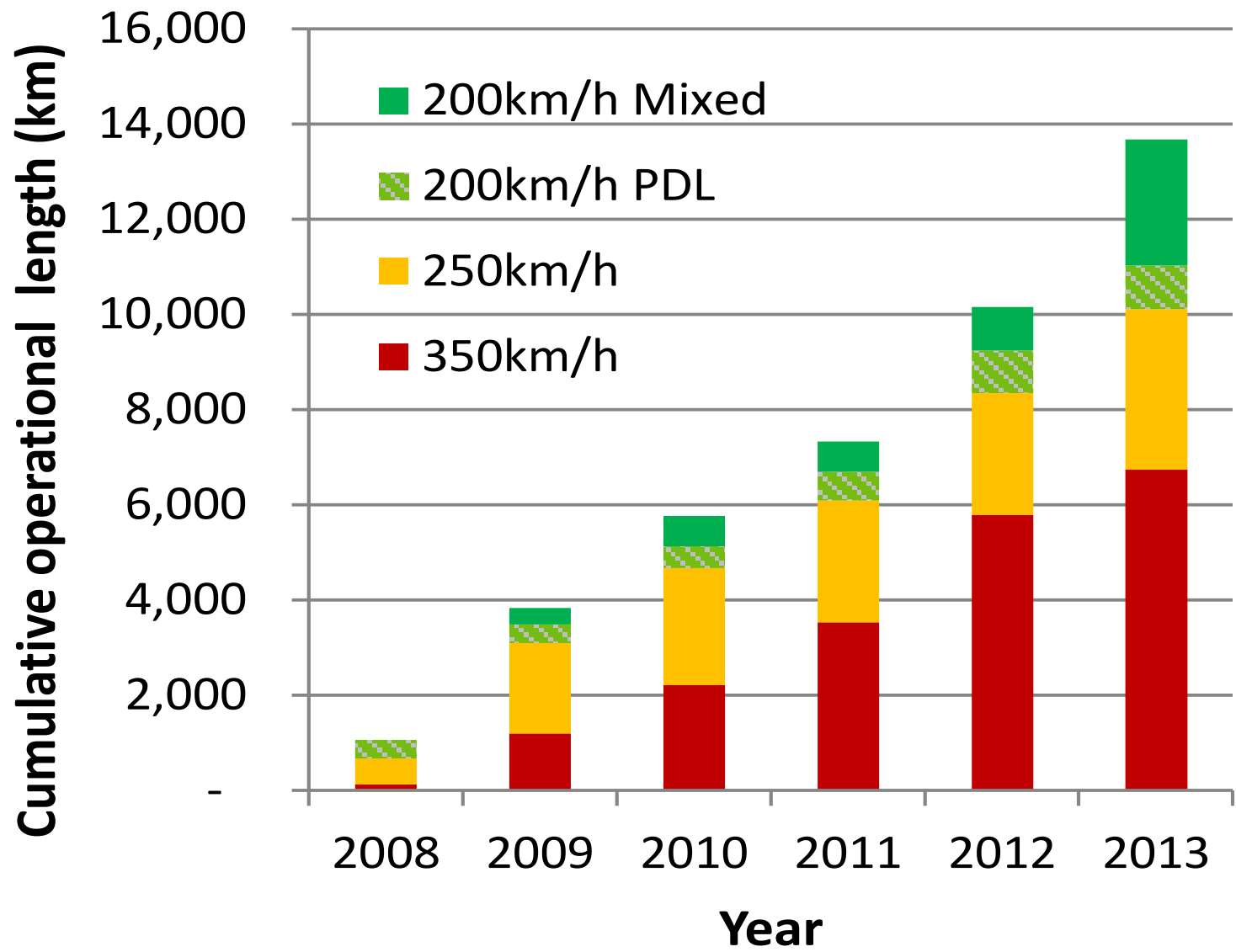




# Society costs for transports

SEK/mil

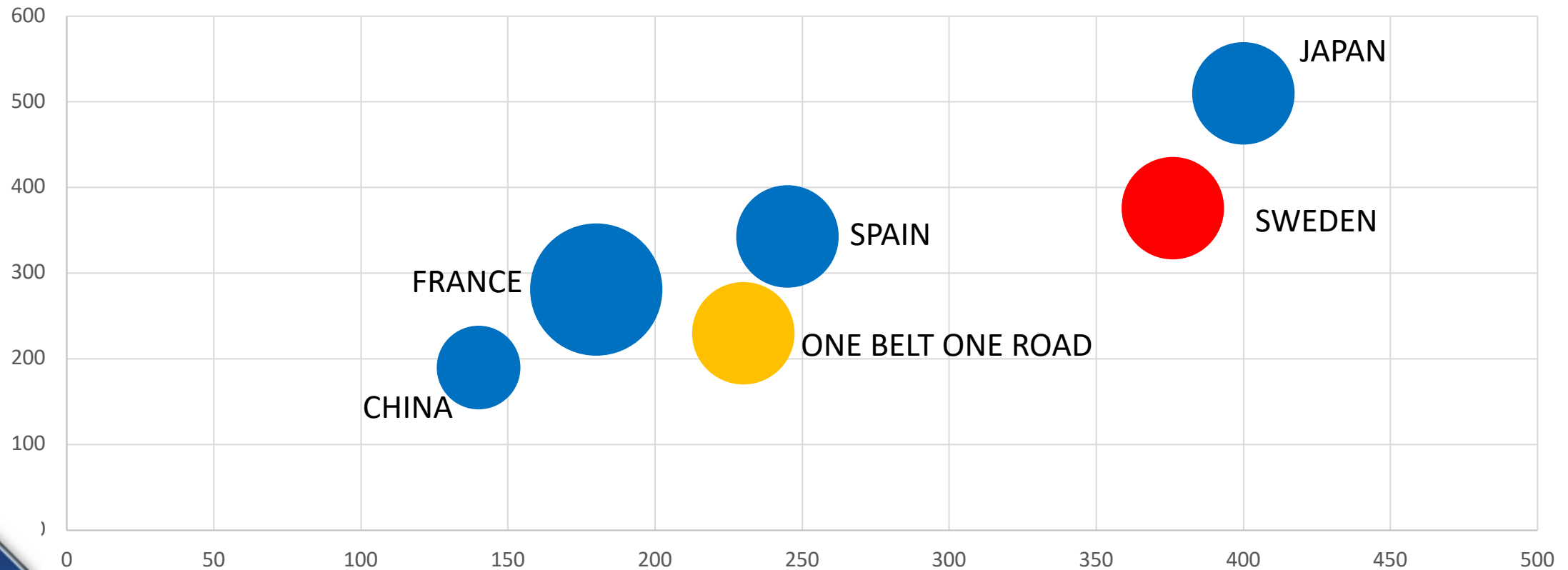




# Construction cost for high speed railway 2017

Maximum  
cost kkr/km  
double track

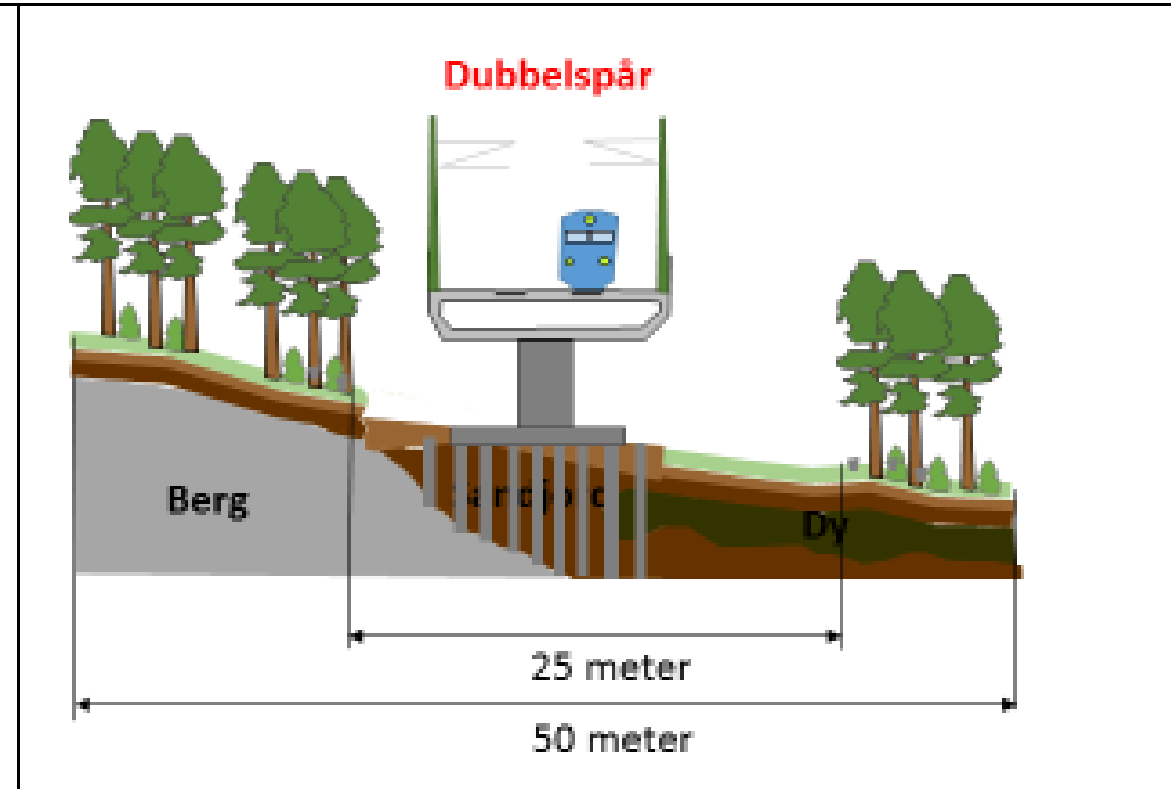
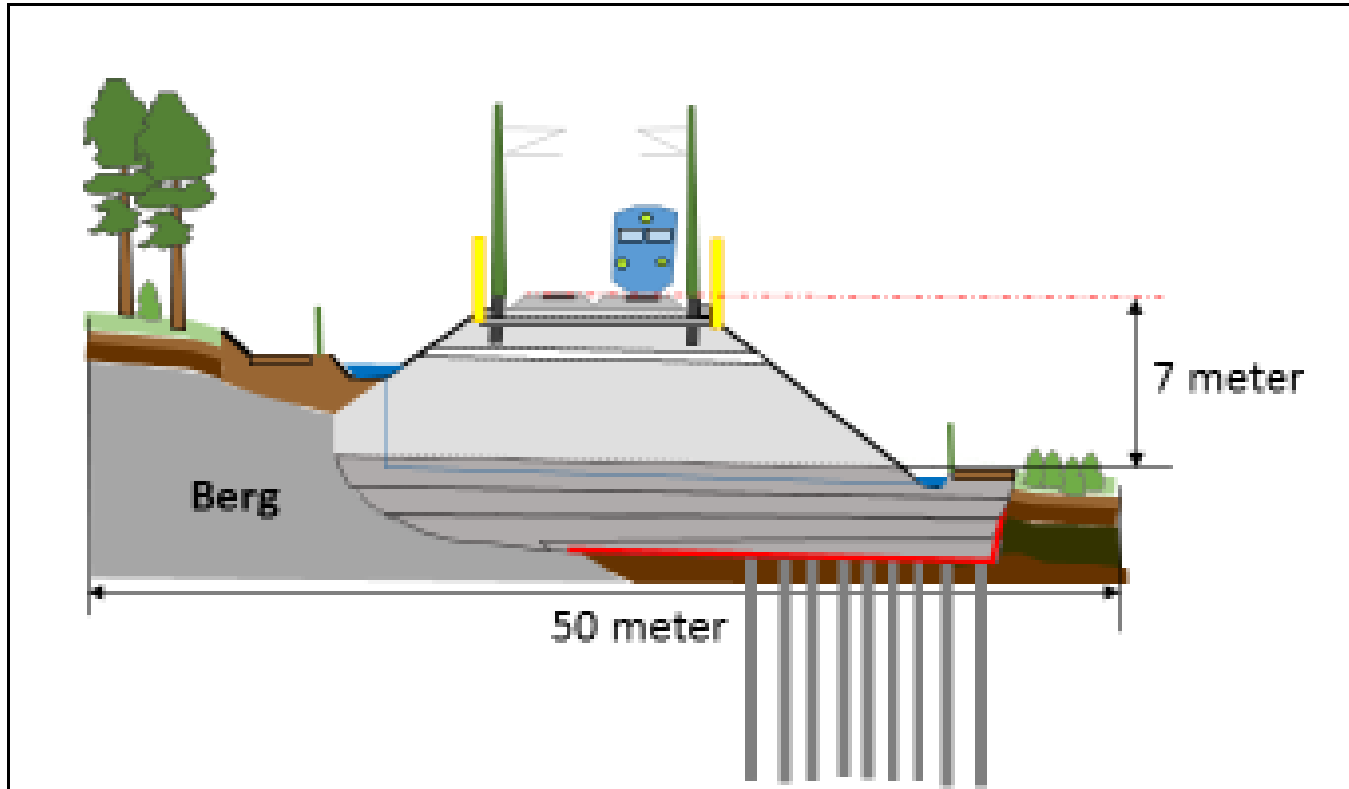
Y-värden



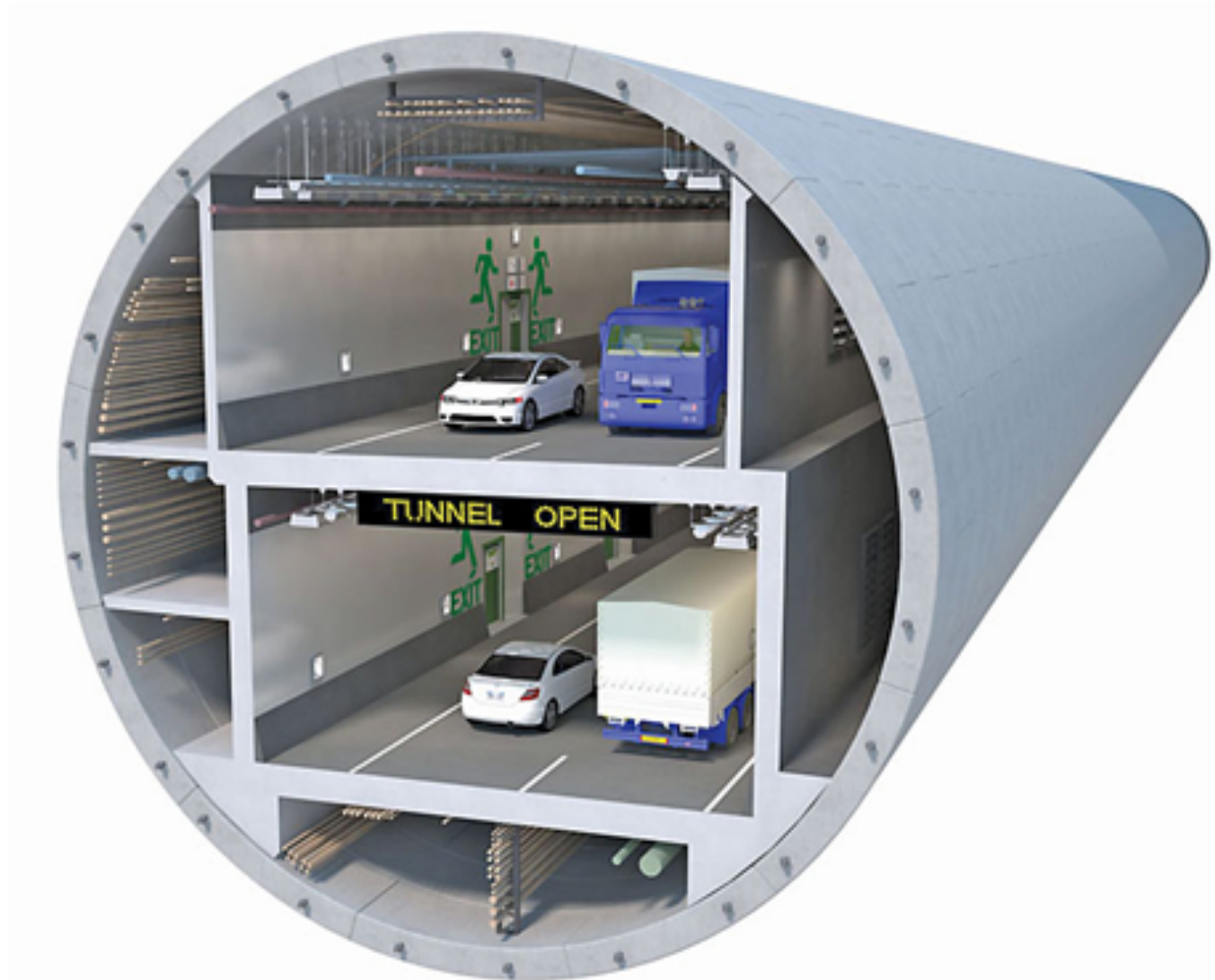
Minimum  
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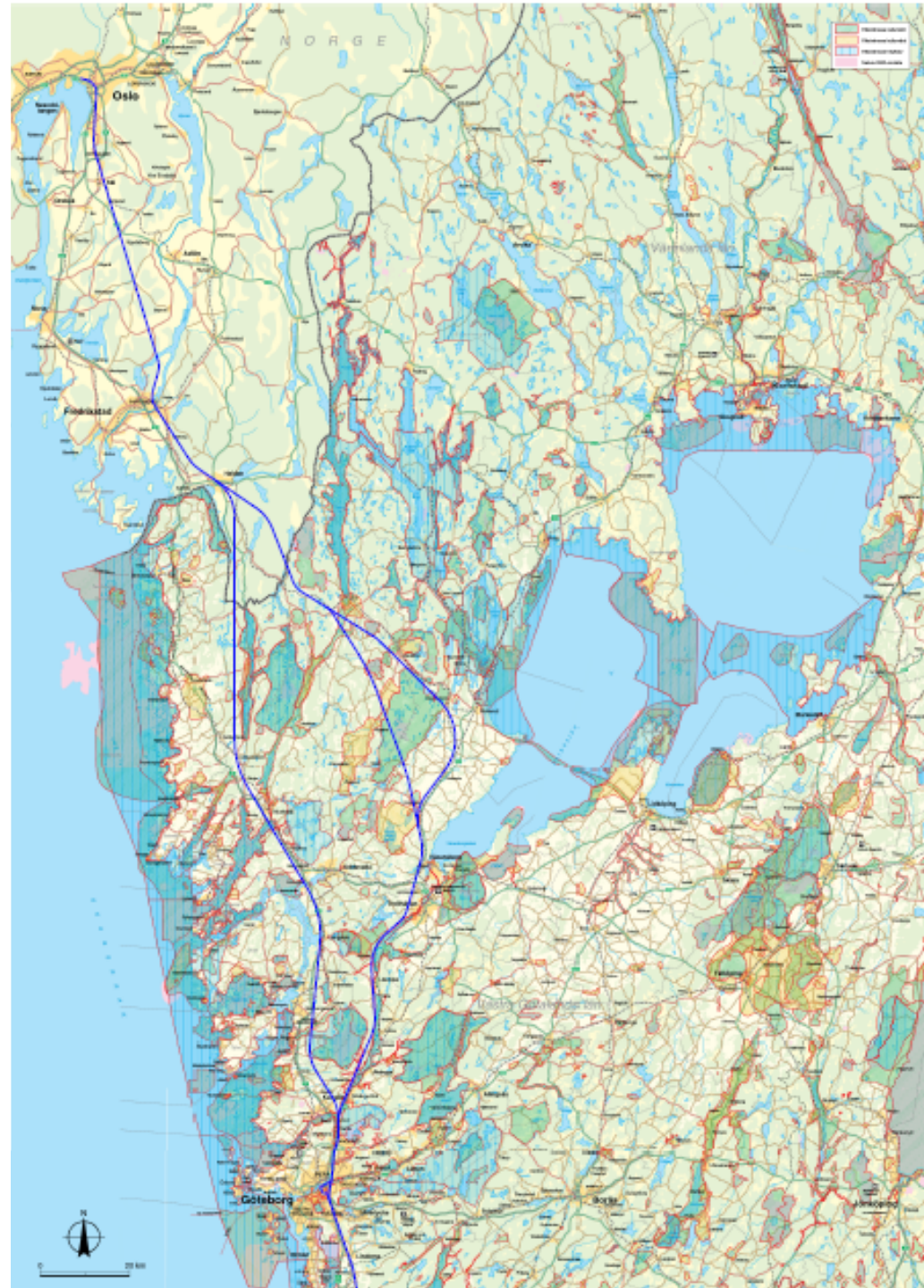
# Track embankment or landscape bridge?



# Smart solutions

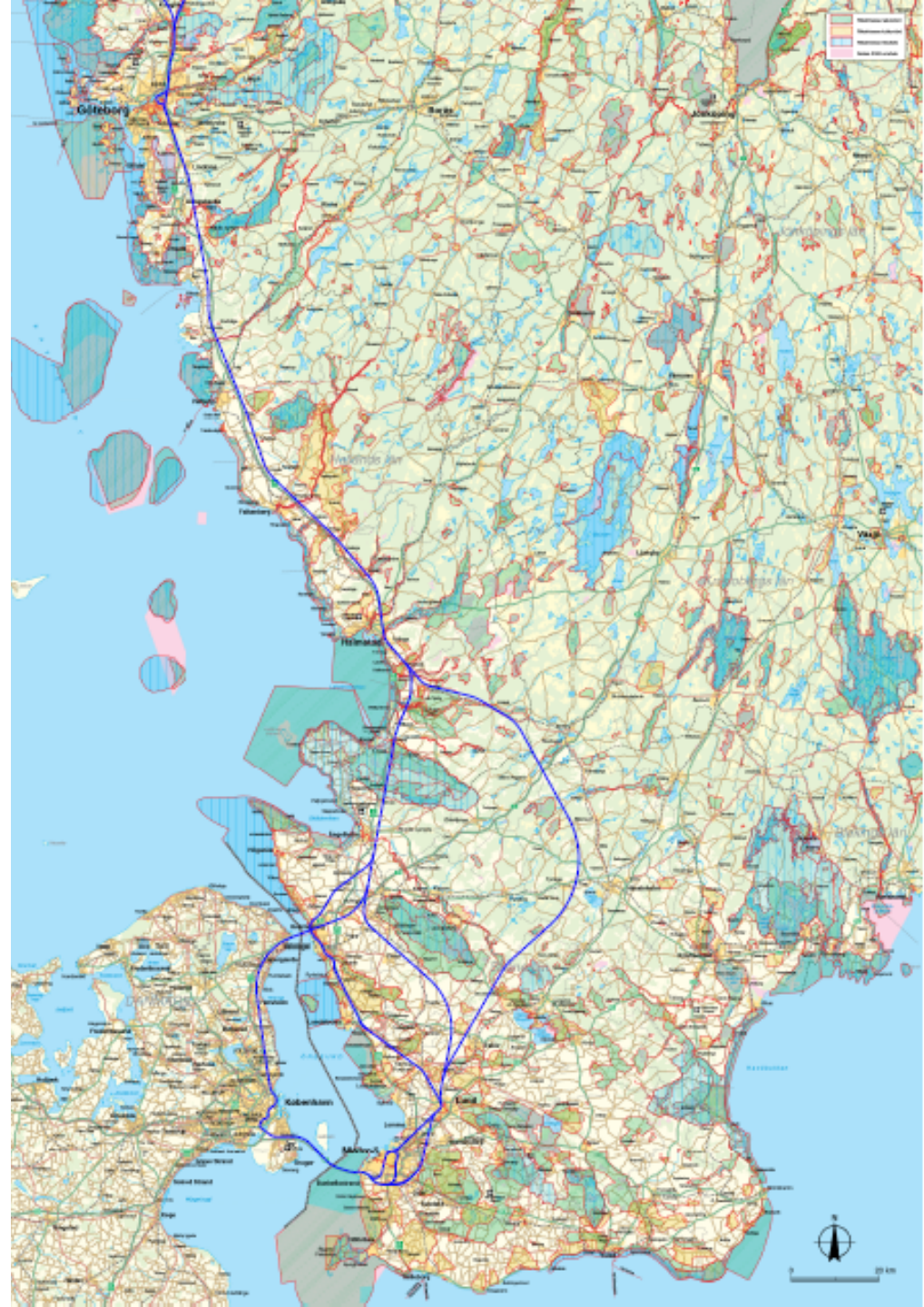


No more plans!  
Just do it!





No more plans!  
Just do it!



Tokyo – Osaka was constructed in 5 years and started 1959!









“TACK!” Thank You !

