

Noise abatement in Sweden

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noise



TRAFIKVERKET
SWEDISH TRANSPORT ADMINISTRATION



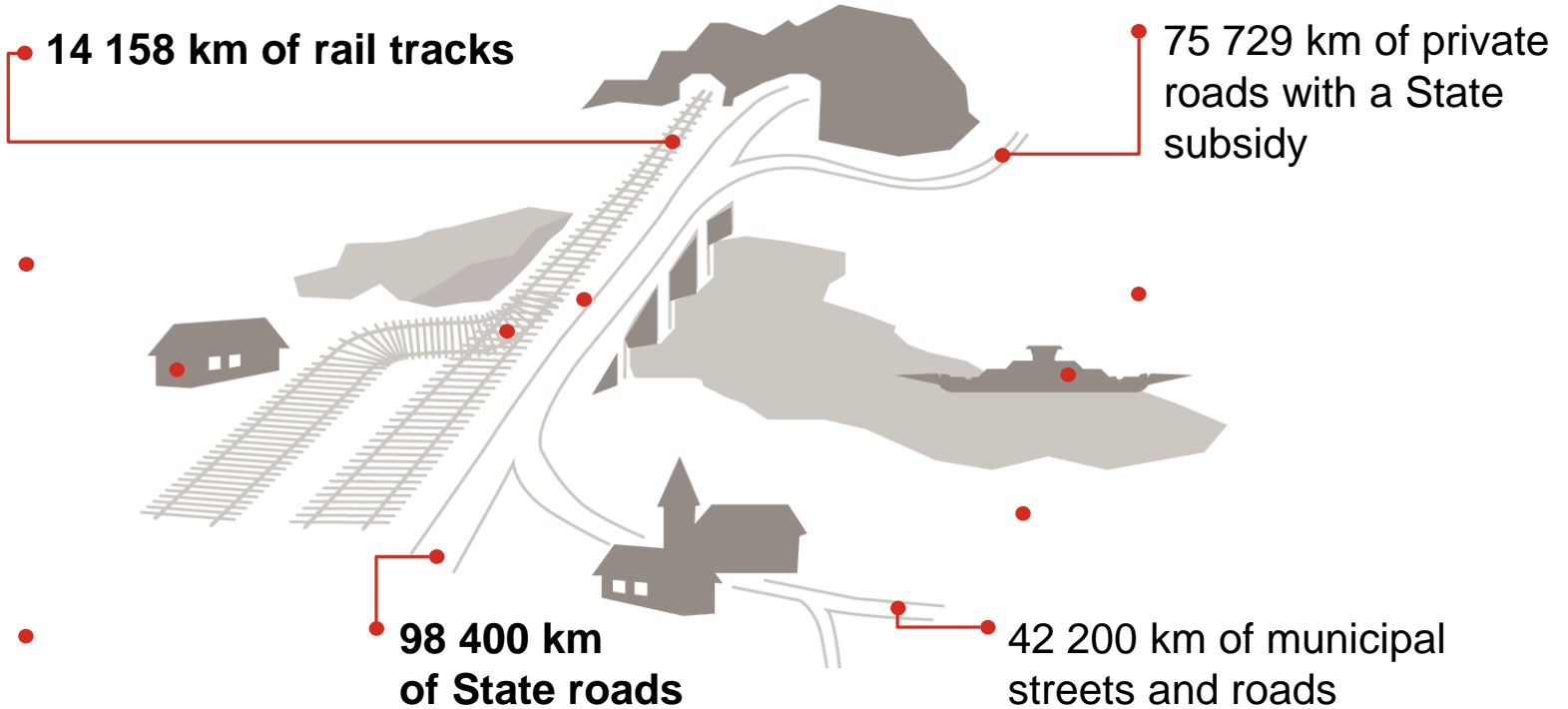
Trafikverket - Our tasks

- We are responsible for the long-term planning of the traffic system
- We are responsible for the construction, operation and maintenance of State roads and railways

We help to develop society



Sweden's roads and railways



Traffic and noise in Sweden

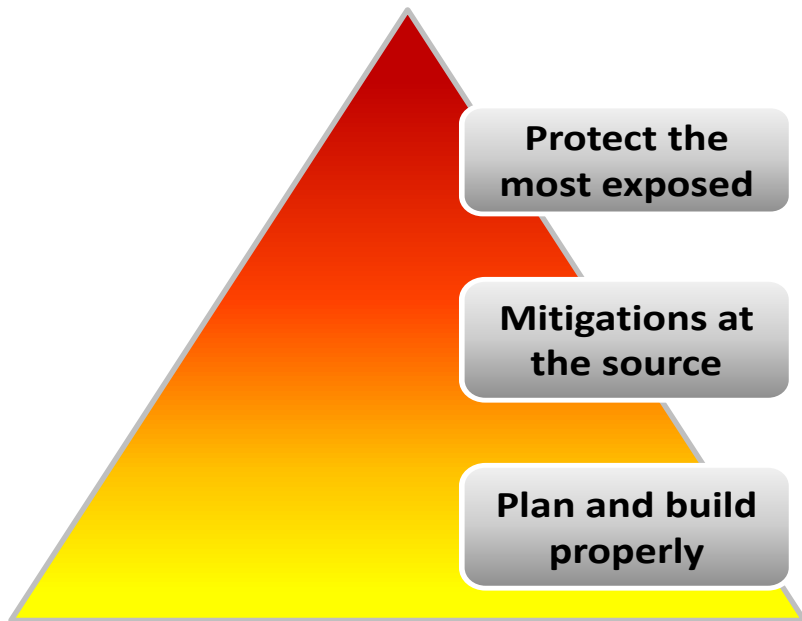
Railway noise

Ekvivalent noise level, L_{eq24h}	Exposed (nr of persons)
> 65 dBA	19 600
60-65 dBA	59 200
55-60 dBA	153 200
> 55 dBA	232 000

Road noise

Ekvivalent noise level, L_{eq24h}	Exposed (nr of persons)
> 65 dBA	172 200
60-65 dBA	473 600
55-60 dBA	991 500
> 55 dBA	Ca 1 640 000

Strategy for less noise and vibration



Noise protection measures
Noise insulating facades,
Noise barriers

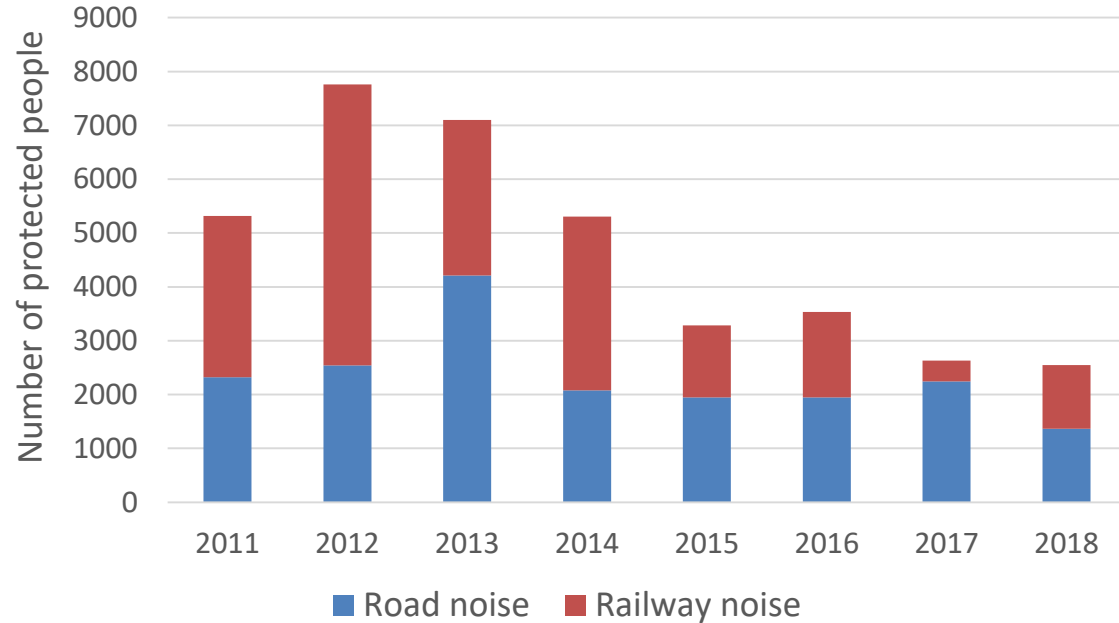
Track grinding
Low noise pavements

Quieter vehicles, tyres
and trains



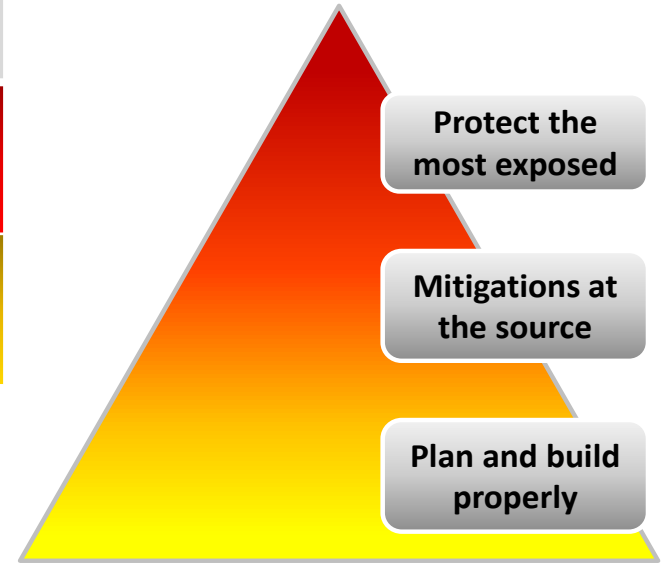
Noise protection measures 2011 – 2018

Noise barriers and facade insulation



Our plans 2019 – 2023

	Rail, number of people	Road, number of people	Total, number of people	Number of people per year
Noise insulating facades and noise barriers	8 600	11 000	19 600	3 900
Low noise pavements / rail grindning	15 800	19 700	35 500	7 100



180 000 tonnes of freight transported on the railways



A normal day in Sweden

TSI noise – What's in it for Sweden?

2024 Quieter routes will be introduced in EU

2032 Quieter routes will be introduced in Sweden (special case)

Noise reduction in Sweden

- 30 % less exposed for > 55 dBA Leq

Composite brake blocks in severe winter conditions

- 40-60% reduced braking capacity
- The Commission shall issue an assessment of the safety and braking performance and existing or potential operational and technical measures
- If necessary - the Commission shall propose amendments to preserve cross border freight traffic to and from Nordic regions.

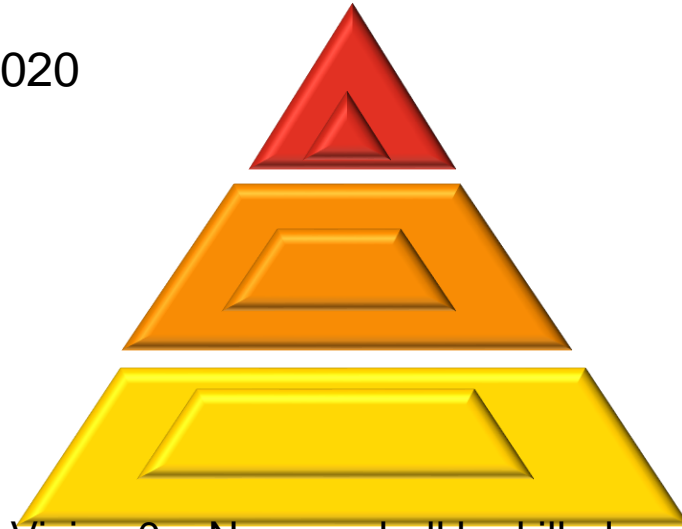


A perfect day in Sweden

Goal 2020

Goal 2030

Goal 2050



Vision 0 – No one shall be killed or severe injured in the transport system neither by accidents nor by air pollution or noise.



Our vision

Everybody arrives
smoothly, the green
and safe way

