

Environmental zone towns in Sweden

- Implemented 1 july 1996
- Stockholm, Göteborg och Malmö
- Lund participated in the project from 1 januari 1999

Background

- Improve the air quality in population centre
- Air pollution and noise is a big problem in bigger cities
- Problems with older heavy vehicles in the city
- Force the development to cleaner and more silent vehicles

The local law

- Heavy Duty Vehicles (trucks and buses) powered by a diesel engine and with a weight of more than 3,5 tons are not allowed to enter the zone if the vehicles are more than 8 years old.

Exemptions

- Vehicles with extra low emissions; Euro-IV or better
- Vehicles with approved aftertreatment device
- Vehicle with "Special body" and approved aftertreatment device
- Exchange of engine to the most severe European environmental class

Basic rule + cleaning equipment

- In traffic

	Basic rule	Cleaning
1998	2006	2010
1999	2007	2011
2000	2008	2012
E.t.c		

Approved aftertreatment device

Emissions	Level-B	Level-C
Particulates	-80%	-
Hydracarbons	-80%	-
Oxides of Nitrogen	No increase	-35%
Noise	No increase	

Obedience to the rules

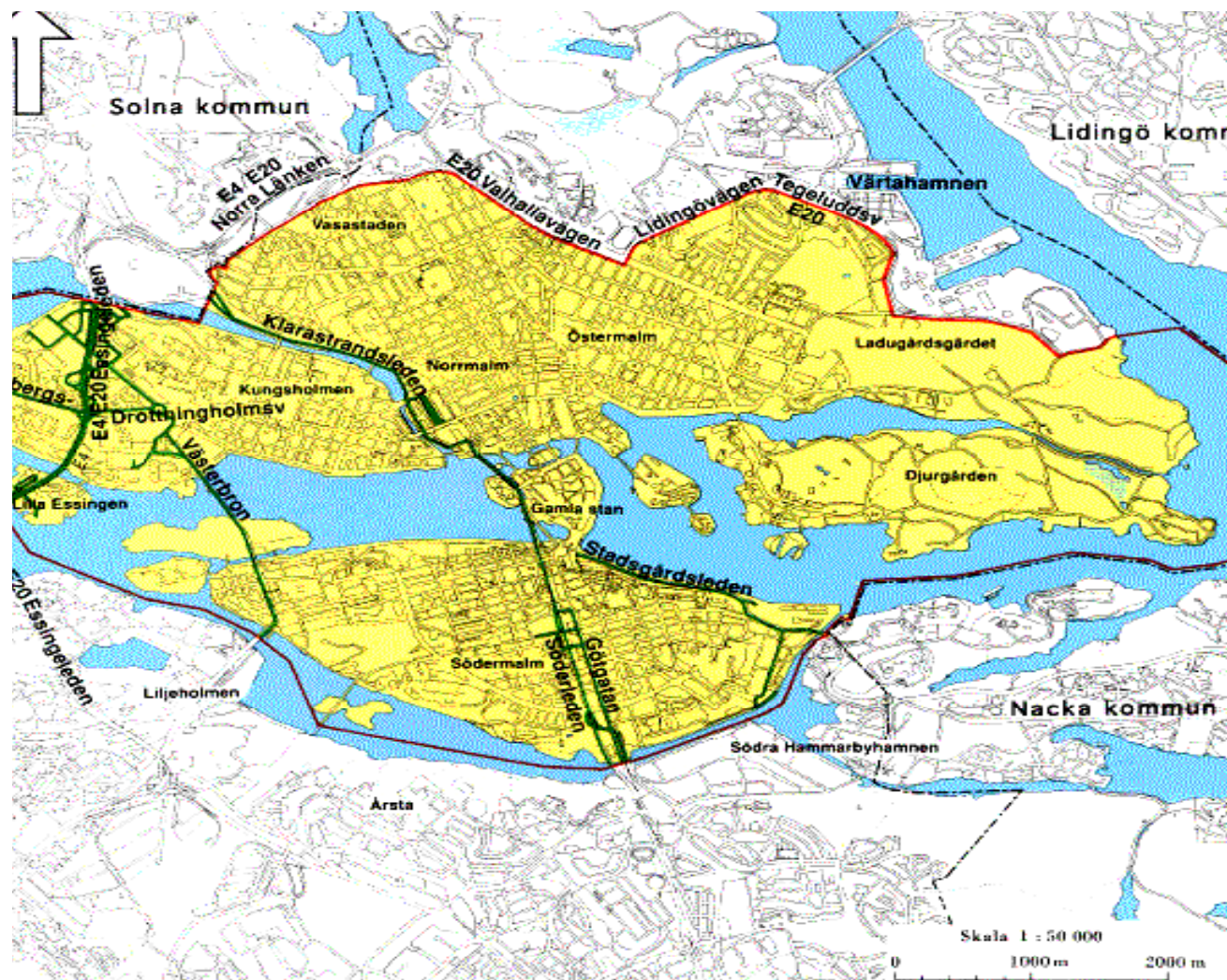
- Controls since 1997
- 2 – 4 time/år
- The last 3 – 4 years the obedience has been 94 – 97%

An environmentally sensitive area

- Contains many apartment buildings
- Has streets that are heavily used by pedestrians and cyclists
- Contains buildings that are particularly sensitive environmentally
- Contains parks or green areas that are easily harmed by the environmental effects of traffic

Regulation

- Implement environmental zone in sensitive areas
- Diesel driven trucks and buses with a total weight of more than 3,5 tons
- Certain age



TRAFIKKONTORET

2006-05-10

Evaluation 2000

- Particulates decreased with approximately 40%
- Hydracarbons decreased with approximately 25%
- Oxides of Nitrogen decreased with approximately 10%

Thank you!

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Obedience to the rules

