

STOCKHOLM
winner 2010



EUROPEAN
GREEN CAPITAL



THE CITY OF STOCKHOLM



21/01/2011
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Sweden 10 Milj inhabitants

410 335 km² 299 inv/ km²

Stockholms län

County of Stockholm 2 Milj 6519 km² 299 inv/ km²



City of Stockholm

837 000 188 km² 4300 inv/km²

South part 68 km² 3000 inv/km²

West part 83 km² 3600 inv/ km²

Inner city 36 km² 8500 inv/ km²



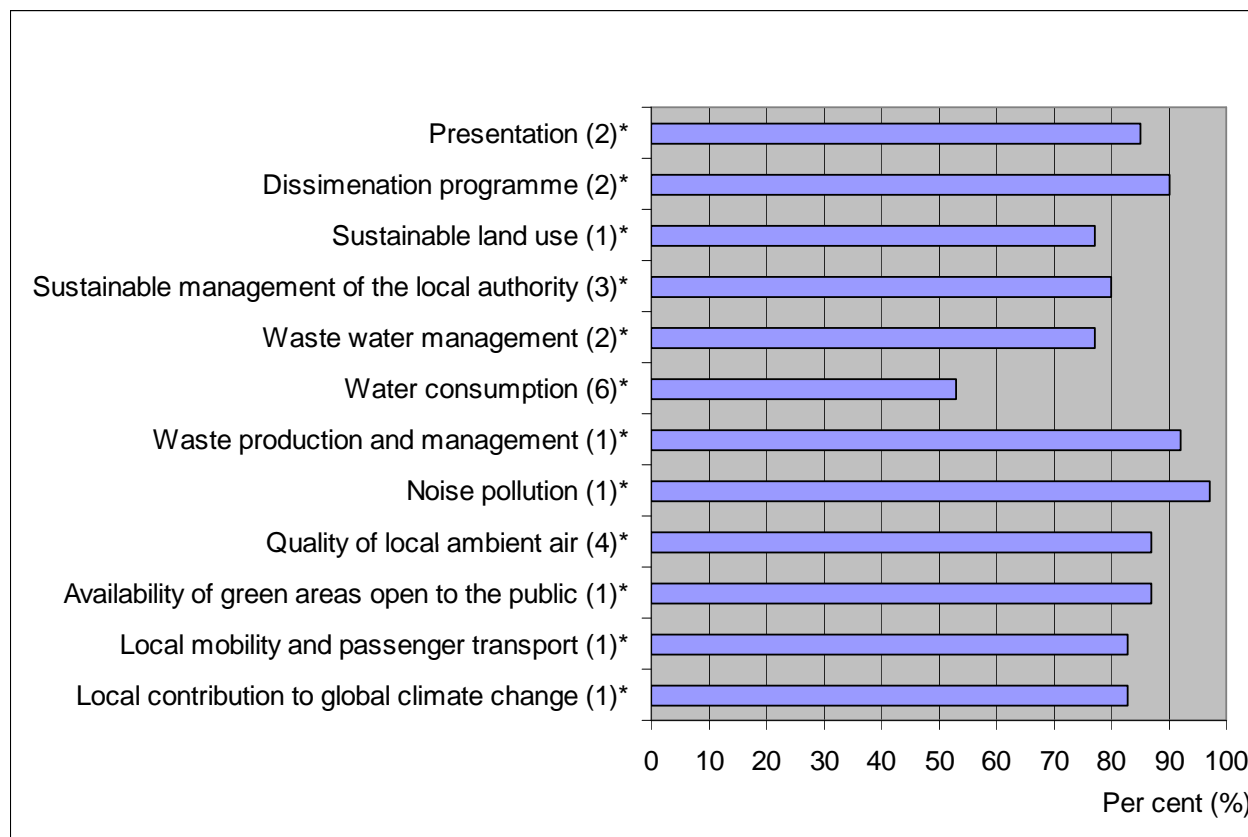
Vision 2030 – “A World Class Stockholm” combining growth with sustainable development

- 200 000 more citizens
- Denser city
- Fossil free 2050
- Waste use – recycling
- Urban structure and green belts
- Integrated sustainable solutions
- Public Awareness

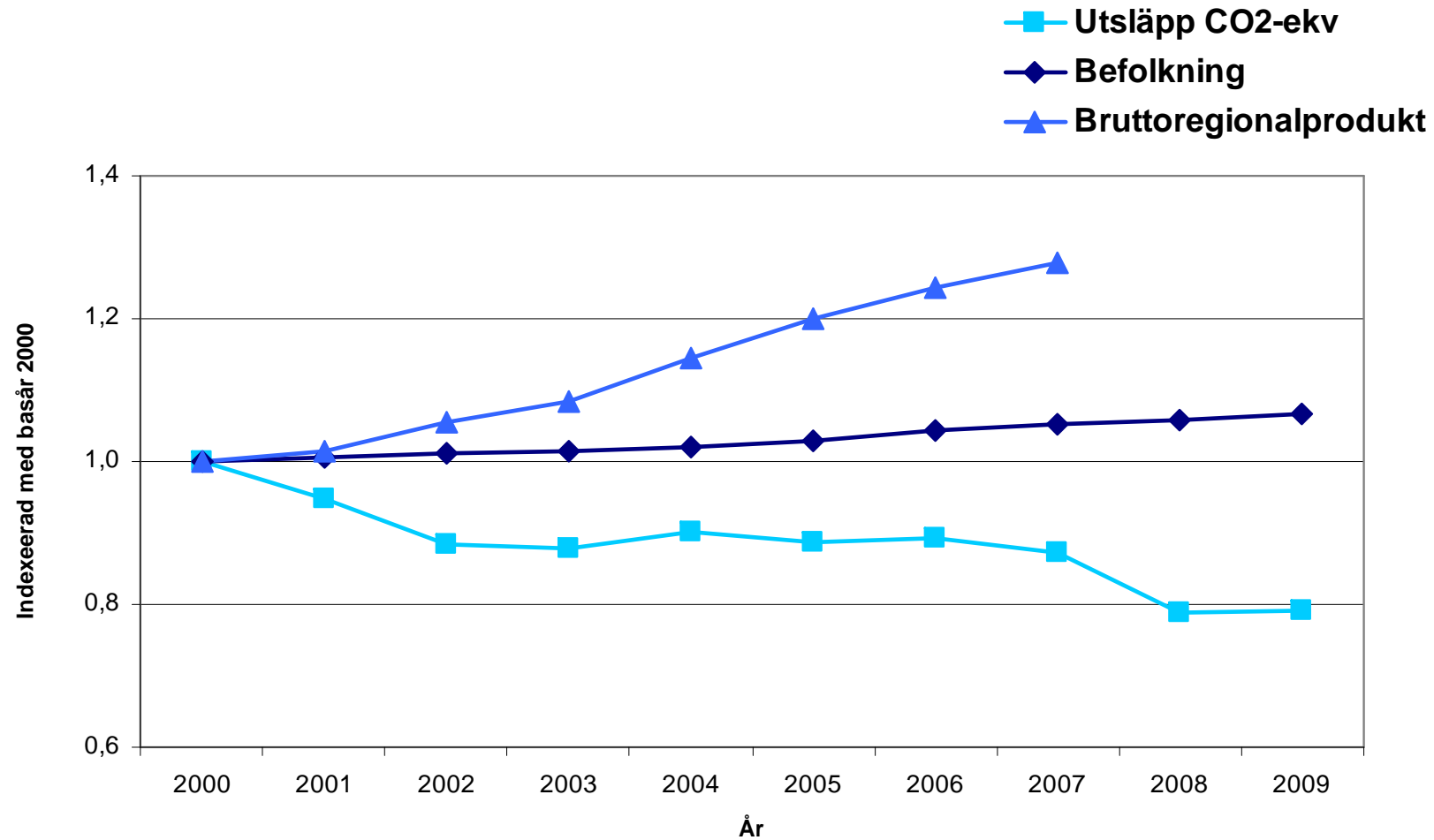


Why we were awarded European Green Capital

- Climate combat
- District heating
- Clean cars
- Congestion tax
- Public transport
- Clean water
- Waste treatment
- Recycling
- Clean air
- Green areas
- Noise reduction

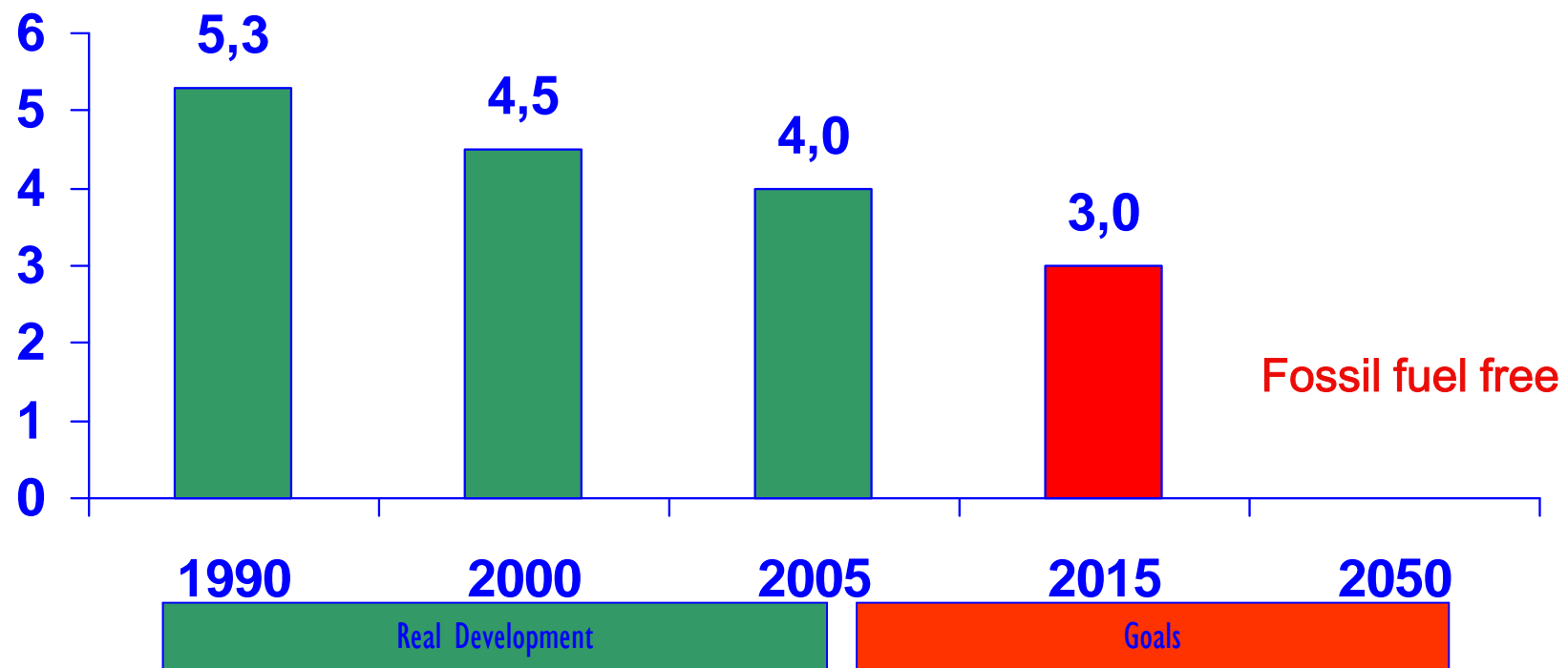


CO₂ decrease and economic growth at the same time – yes it is possible!

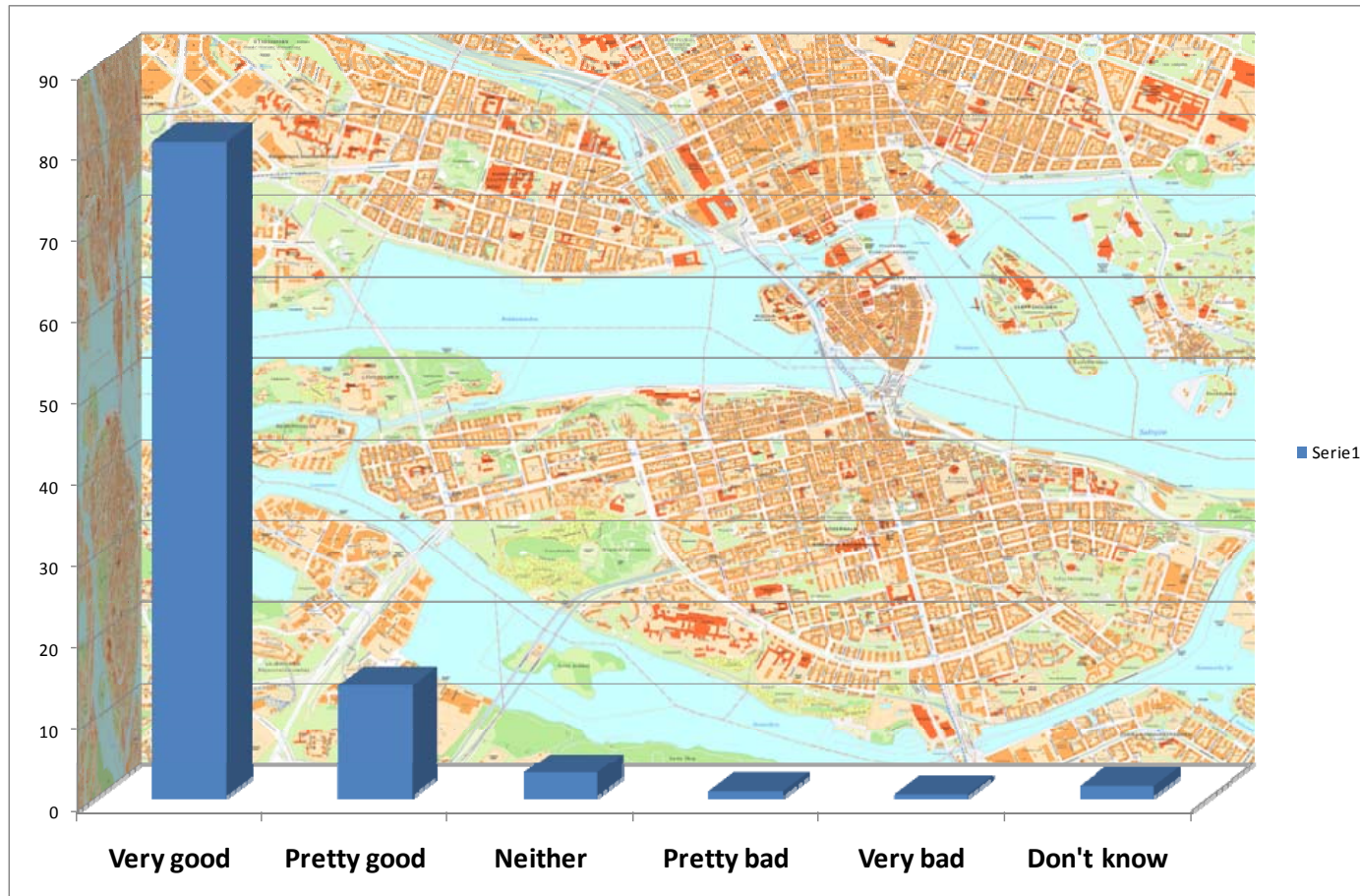


Goals and achievements

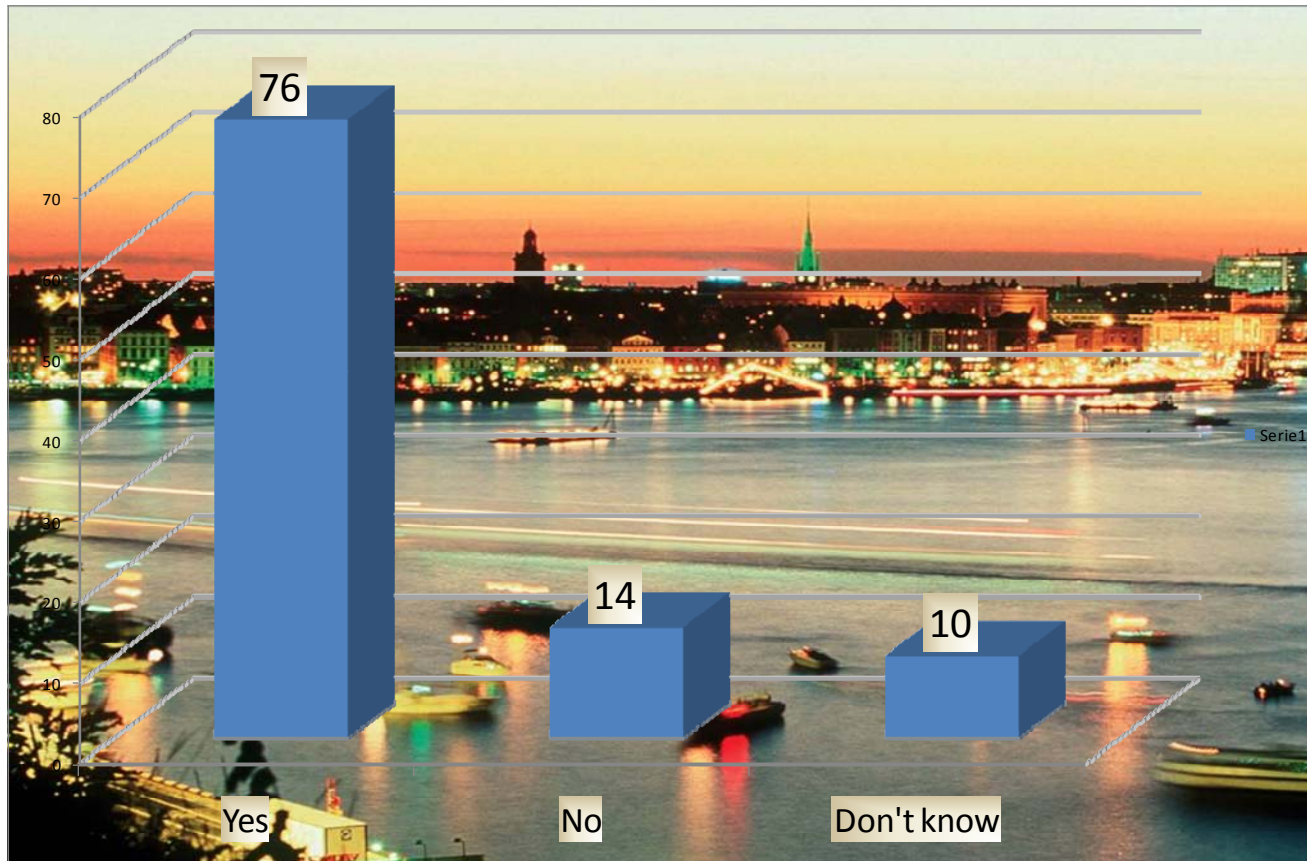
Tonnes CO₂-ekv per capita



Do you think it is good or bad that the City conducts an active environmental program?



Do you think the city should put greater demand on citizens to act / live environmentally friendly?

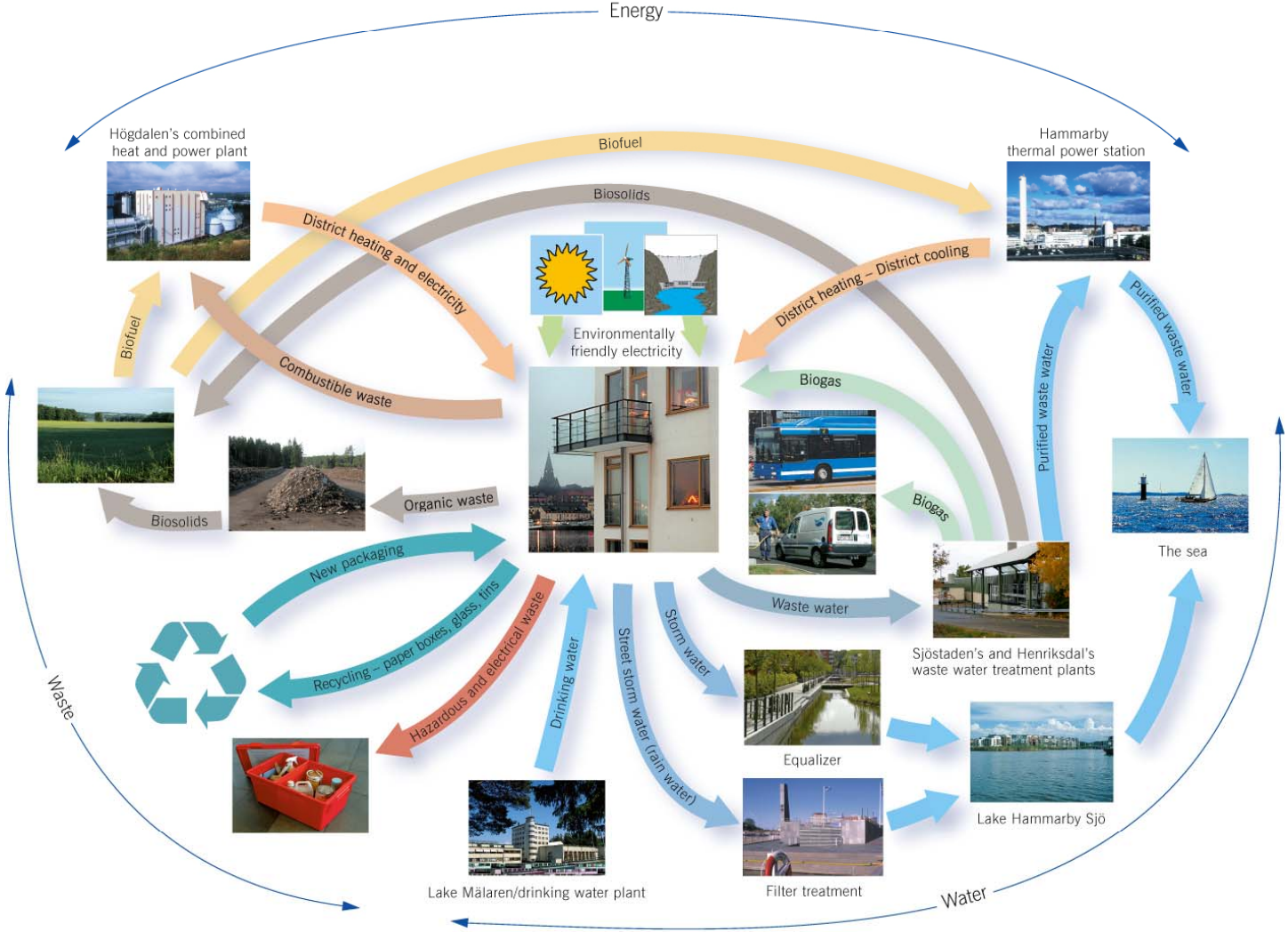


The Hammarby Waterfront project

- Size 180 ha
- 10 400 new flats
- 200.000 m² new offices, services
- Construction time 1995–2017
- Sustainable development
- Renewable energy use
- Integrated transport and land use
- Eco cycle model



The Hammarby Model



THE CITY OF STOCKHOLM





”Twice as good - reduce environmental impact by half compared to the contemporary level for newly constructed housing.”

2009

Result: 30 – 40%



THE CITY OF STOCKHOLM



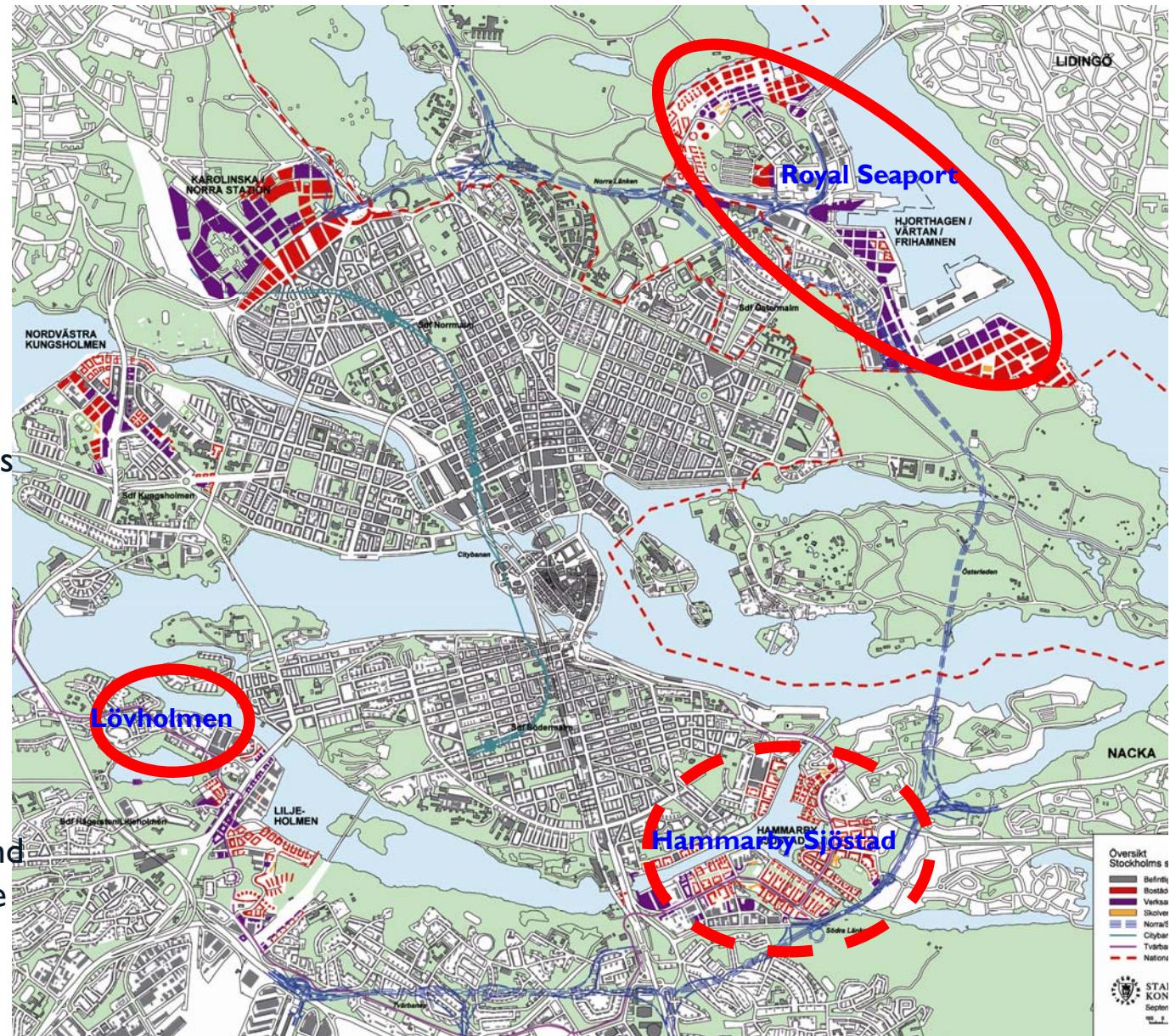
The city's development areas

A number of urban areas around Stockholm have been identified for transformation and re-use - preferably former industrial sites by the water.

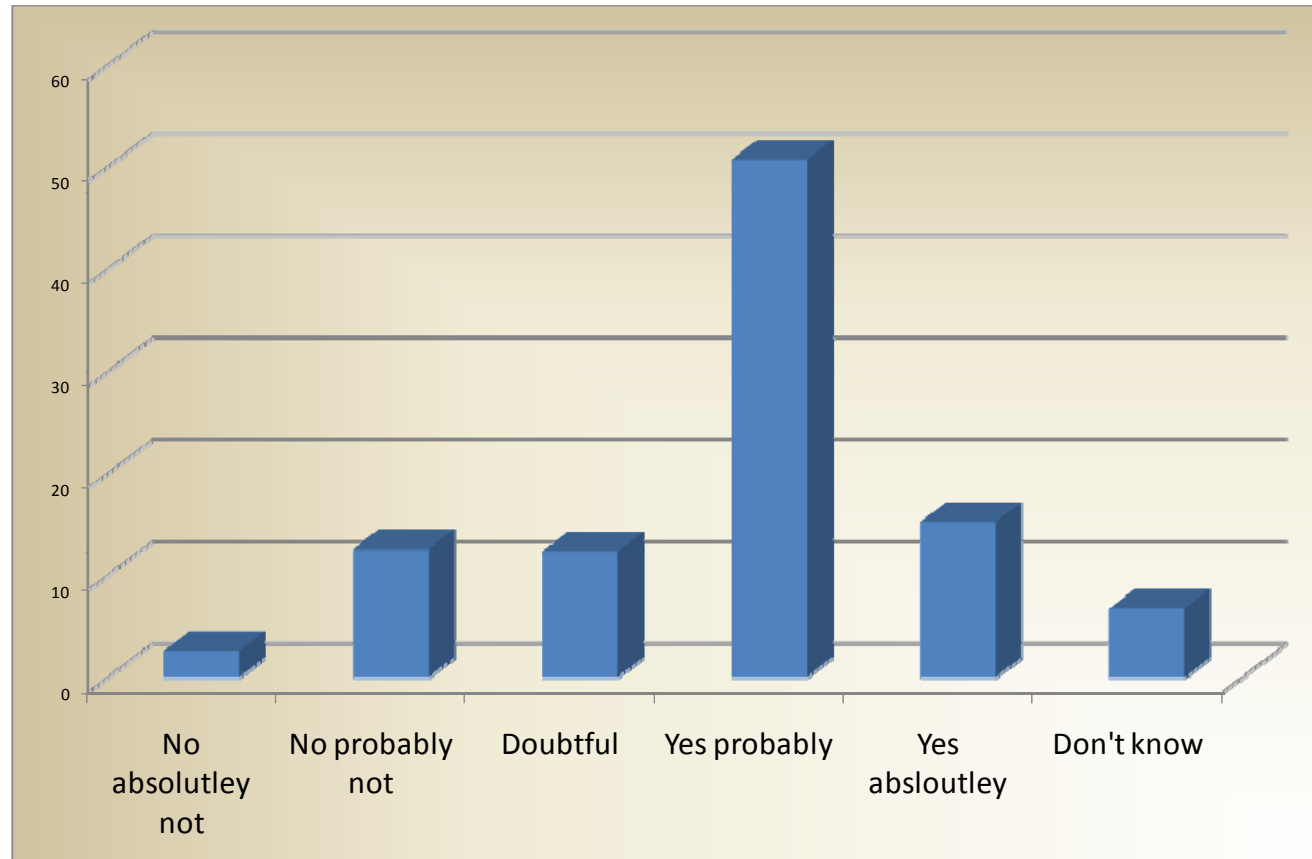
The areas are mainly in direct connection to the central parts of the city, with proximity to infrastructure, service and public transport.

Soil is often contaminated, amplified etc.

The transformation can collectively make an imprint and a new "annual ring" around the inner city.



Would you act / live more environmentally friendly if you moved to The Royal Seaport?



Urban renewal, improving energy performance

The Järva programme

- Järva - an area from the 1960's
- Improving energy efficiency
 - From 188 to 88 kwh/m²,year
- Energy system and supply
 - Photoelectric panels
 - Better use of district heating
 - Reducing the need for bought energy
 - Garbage disposals for biogas production



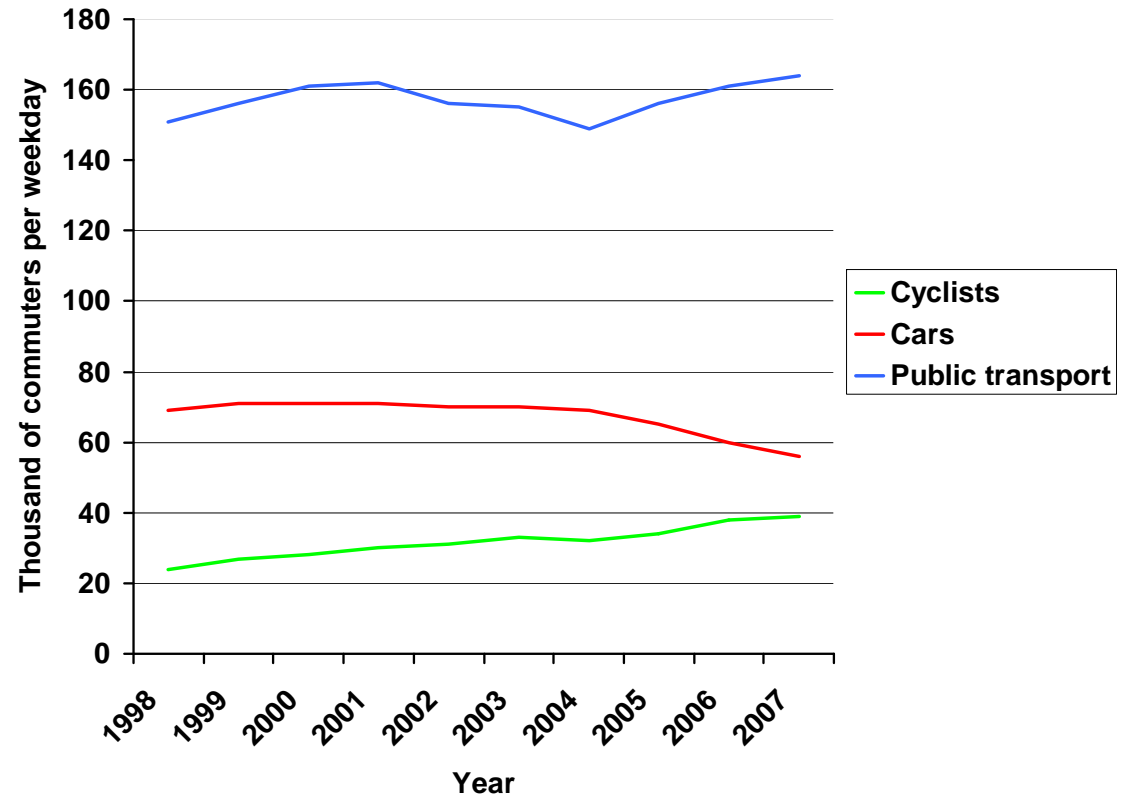
District heating & Co-generation

- Co-generation, biofuels, waste
- Heat pumps from sewage water
- Market share 80 %
- Fossil fuel 17 %
- District cooling



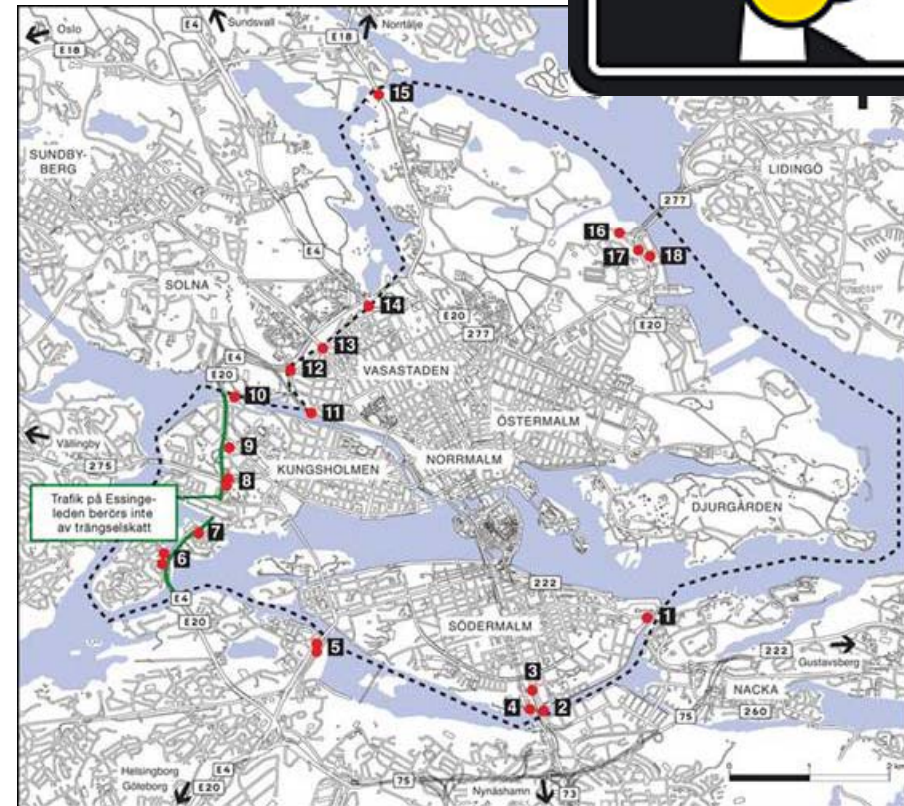


Car use, cycling and public transport to the inner city



Congestion charges

- 20 % decrease in traffic
- 10 – 14 % decrease of emissions
- 2 – 10 % better air quality
- Less human exposure
- From huge opposition to broad majority in favor



Primary objectives of congestion charging

- Reduced congestion
- Increased accessibility
- Better environment



Developing a new infrastructure for electrical cars and hybrids



#7:2009

Har du frågor kontakta
McDonald's® Kundservice McSvar
mcsvar@se.mcd.com
08-740 00 01
www.mcdonalds.se

**Världspremiär – Nu kan gästerna
ladda elbilen på McDonald's!**

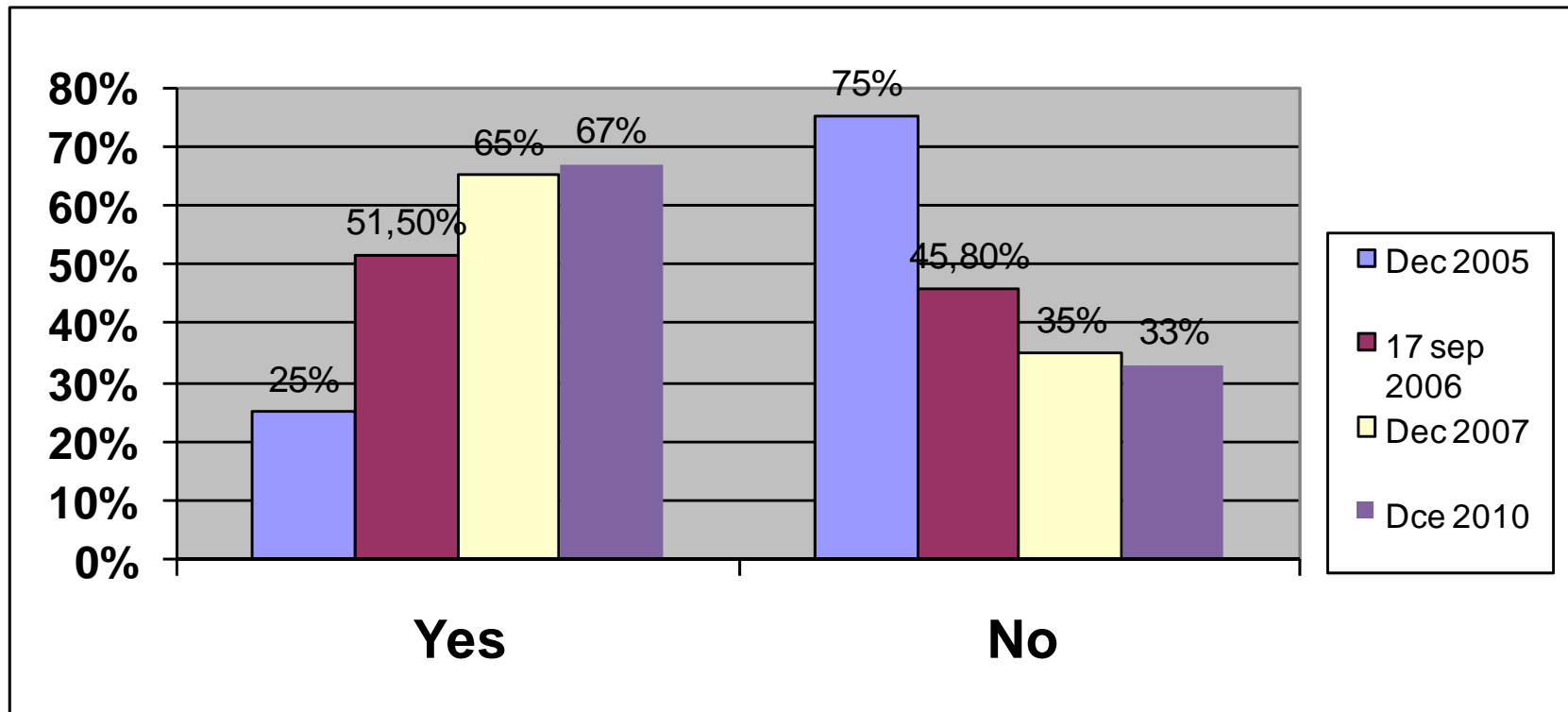


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Public opinion congestion charging 2005 – 2007



Why was the trial a success?

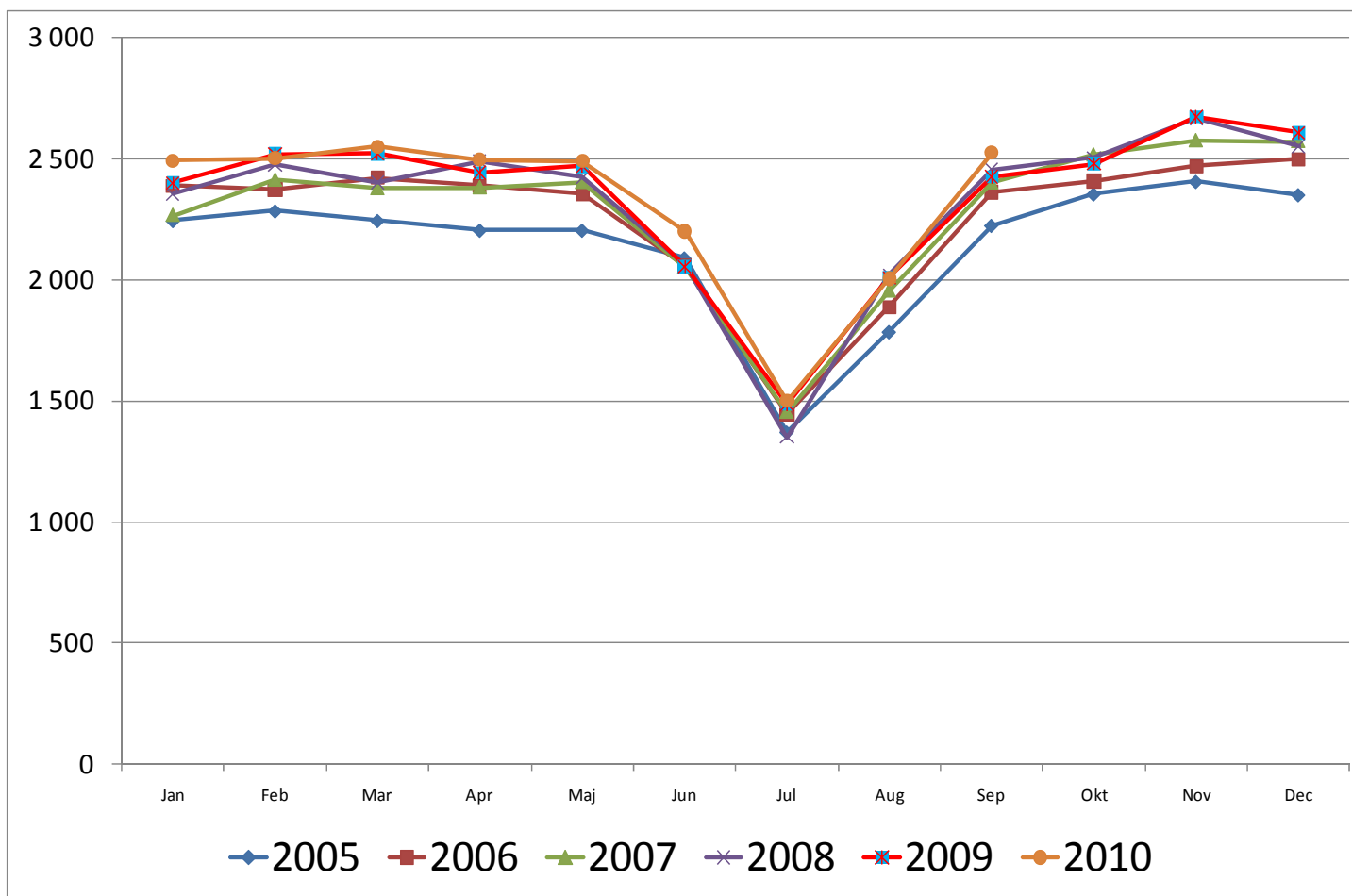
- It worked technically very well
- People knew what to do
- The traffic effects have exceeded the expectations
- People have seen the benefits by themselves
- Continuous measuring didn't give room for rumours
- It was for a good cause



79 % of Stockholmers use public transport in peak hours



Public transport 2005 - 2009



Innovative work to decrease the environmental impact

2010

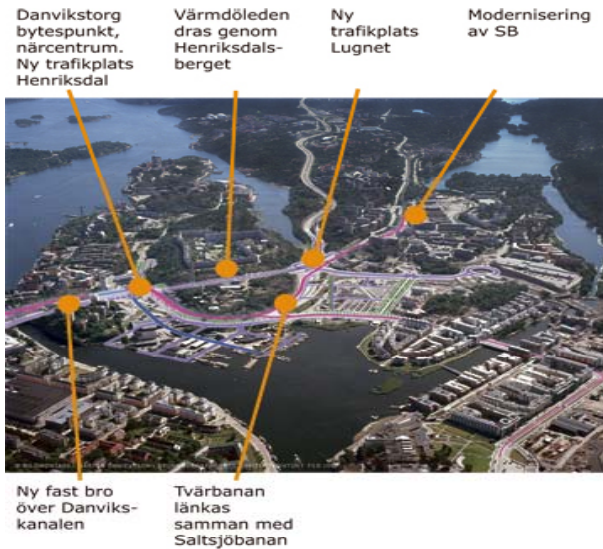
- The worlds largest ethanol bus fleet is rolling on the streets of Stockholm
- All of SL Public transport Company fixed-track services are driven with electricity produced by water and wind power
- ISO 14001 certified

2011

- 50 % of all buses will be powered by renewable fuel (today 25 % and 100 % by 2025).

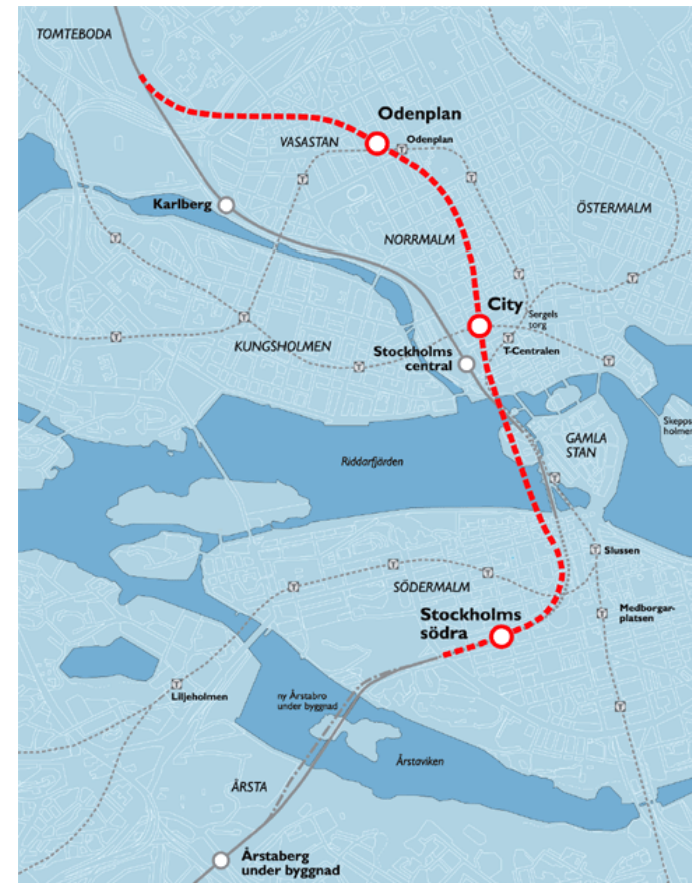


Infrastructure investments



New tram lines

New commuter train tunnel under the inner city

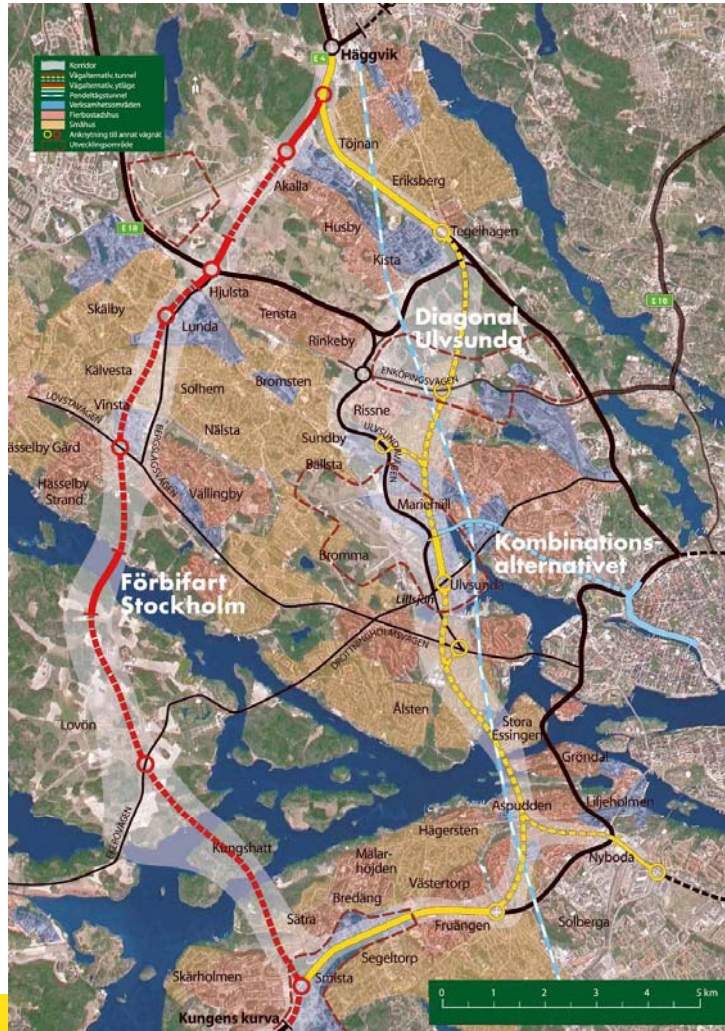


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New Bypass



North Link



Travel planner in Stockholm

TRAFIKEN.NU
Stockholm

Startsida
Reseplanerare
Smart resande
Om Trafiken.nu

Från (Adress eller hållplats)

Till (Adress eller hållplats) Lägg till via

Planera pendling ▼ måndag ▼ 8:00 - 9:00 ▼

[Sökinställningar](#) Sök

åka tidigare åka senare

Möjliga resor måndag 22 februari 08:00 - 09:00

12 min Gå från Stockholm, Tantogatan till Stockholms södra.

08:22 - 08:36 pendeltåg 35 från Stockholms södra mot Kungsängen. Stig av vid Sundbyberg.

4 min Gå från Sundbyberg till Sundbybergs torg.

08:50 - 09:01 buss 152 från Sundbybergs torg. Stig av vid Bromma flygplats.

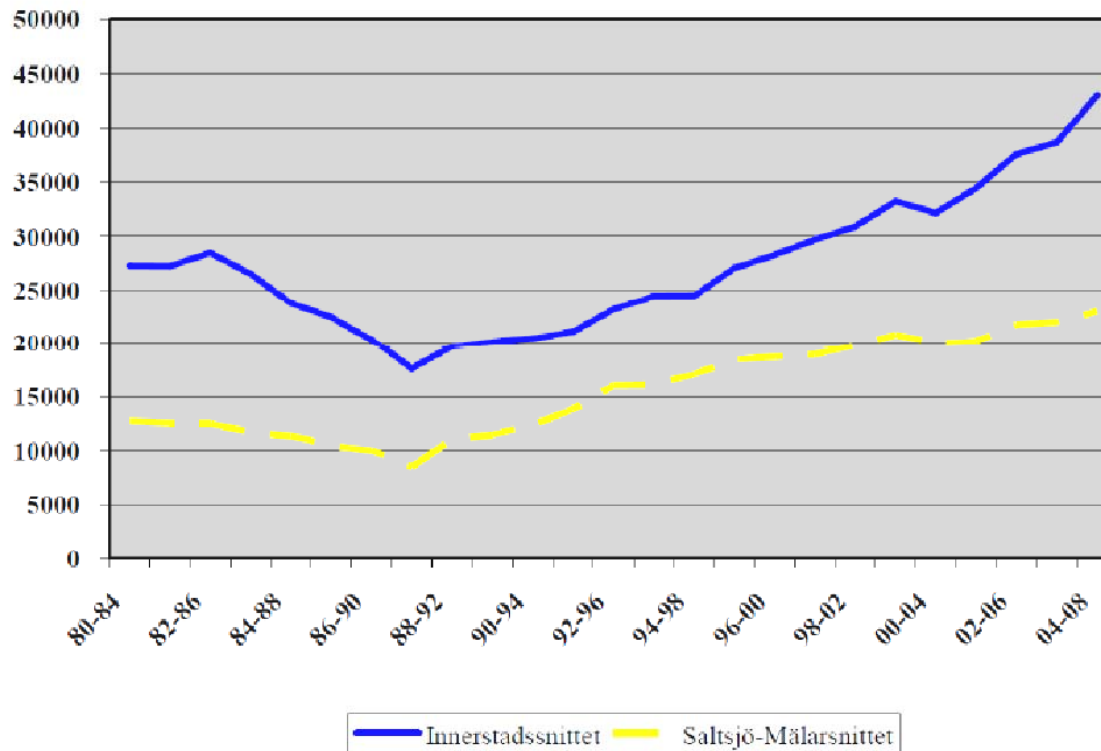
	Restid	Kostnad	Miljö	
Cykel och kollektivtrafik				Dölj
+ går 1 gång denna period	0:48	690 kr/mån	9,2 kg/mån	👁
+ går 22 min.	0:49	690 kr/mån	0 kg/mån	👁
+ går 1 gång denna period	0:47	690 kr/mån	42 kg/mån	👁
Bil och kollektivtrafik				
+ går 1 gång denna period	0:42	2042 kr/mån	97 kg/mån	👁
+ var 15 - 29 min.	0:49	2042 kr/mån	97 kg/mån	👁
+ var 15 min.	0:43	2042 kr/mån	97 kg/mån	👁

Visa på kartan

- Stationer
- Busshållplatser
- Infartsparkeringar
- Stockholm City Bikes
- Cykelvägar



Cyclists have doubled in the last 10 years



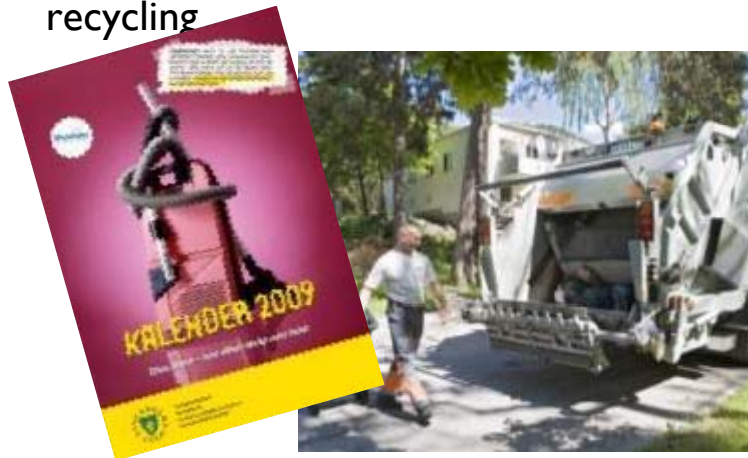
Cykelpump
STOCKHOLMS STAD



Extensive and ambitious waste treatment

The
Clean
city

The city has a well developed system of waste management and recycling. Information campaigns are carried out continuously in order to raise awareness among residents about waste minimization, source separation and recycling



- 100 % of household waste is recycled by material recycling 25%, combustion 73,5% and biological treatment 1,5%
- Combustion of waste generates 2 TWh heating and 500 GWh electricity
- 50 % of all garbage trucks drive on befuel or is hybrids
- New innovations like vacuum controlled underground transportation of waste i Hammarby Sjöstad



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Green ICT programme in the City

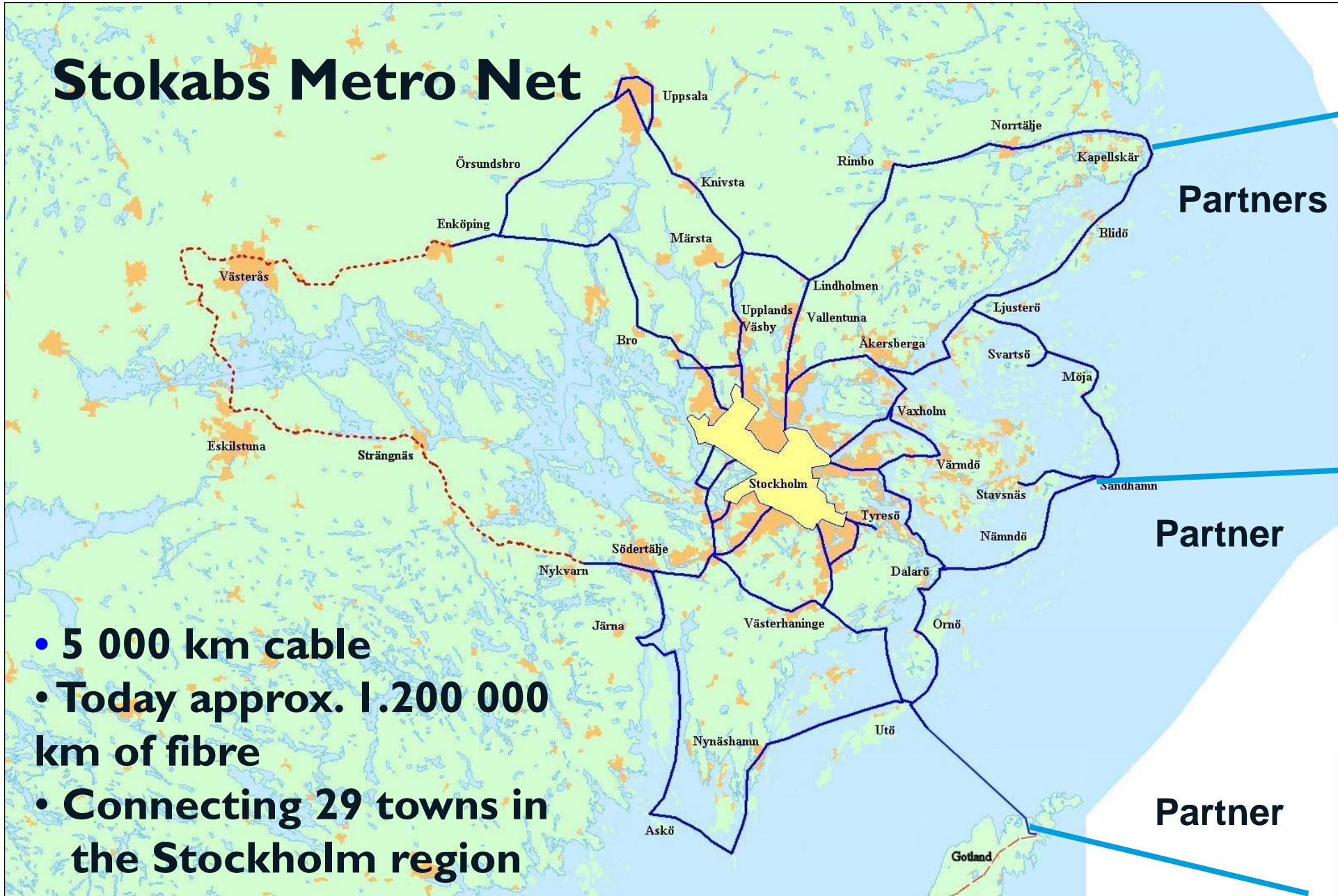


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Stokabs Metro Net



- 5 000 km cable
- Today approx. 1.200 000 km of fibre
- Connecting 29 towns in the Stockholm region



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