

Växjö – energy efficient and fossil fuel free

Bo Frank – Mayor of Växjö



We started in 1970...



Lake restoration



Before restoration



After restoration





Continued in 1980...

- Avoid high energy costs
- Local energy source – less dependency
- Good for local business
- Renewable energy source

Climate policy in the 90's



- Co-operation with Sweden's largest environmental NGO
- Unanimous decision in the city council 1996
 - local responsibility
 - local action
- Fossil Fuel Free Växjö – renewable energy and energy efficiency



Success factors

- Political consensus
- Long term targets
- Broad co-operation
- Resources

Energy plan for the City of Växjö



Energy plan

- Adopted in December 2011
- The municipal organisation
 - New dwellings <55 kWh/m²
 - New premises <50 kWh/m²
 - Renovated dwellings <75 kWh/m²
 - Renovated premises <70 kWh/m²

Wooden based Buildings

Passive house

Portvakten Söder (40 kWh/m²)



Energy effective house

Limnologen



The first passive tennis court arena

(11 kWh/m² excl hot water)



Plus house

Inagurated in 2013

Solar cells and solar panels

Surplus to the electric grid
and district heating net

Environmental friendly and
sustainable building
material





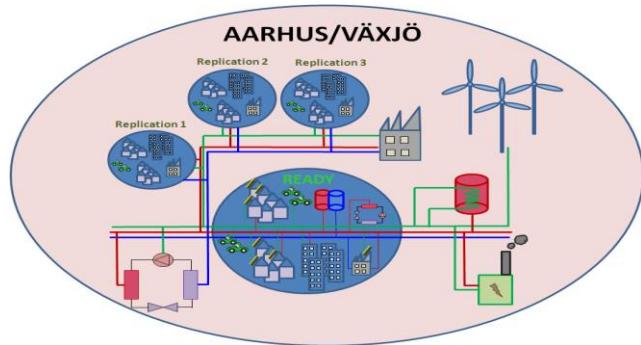
FP7 SmartCities



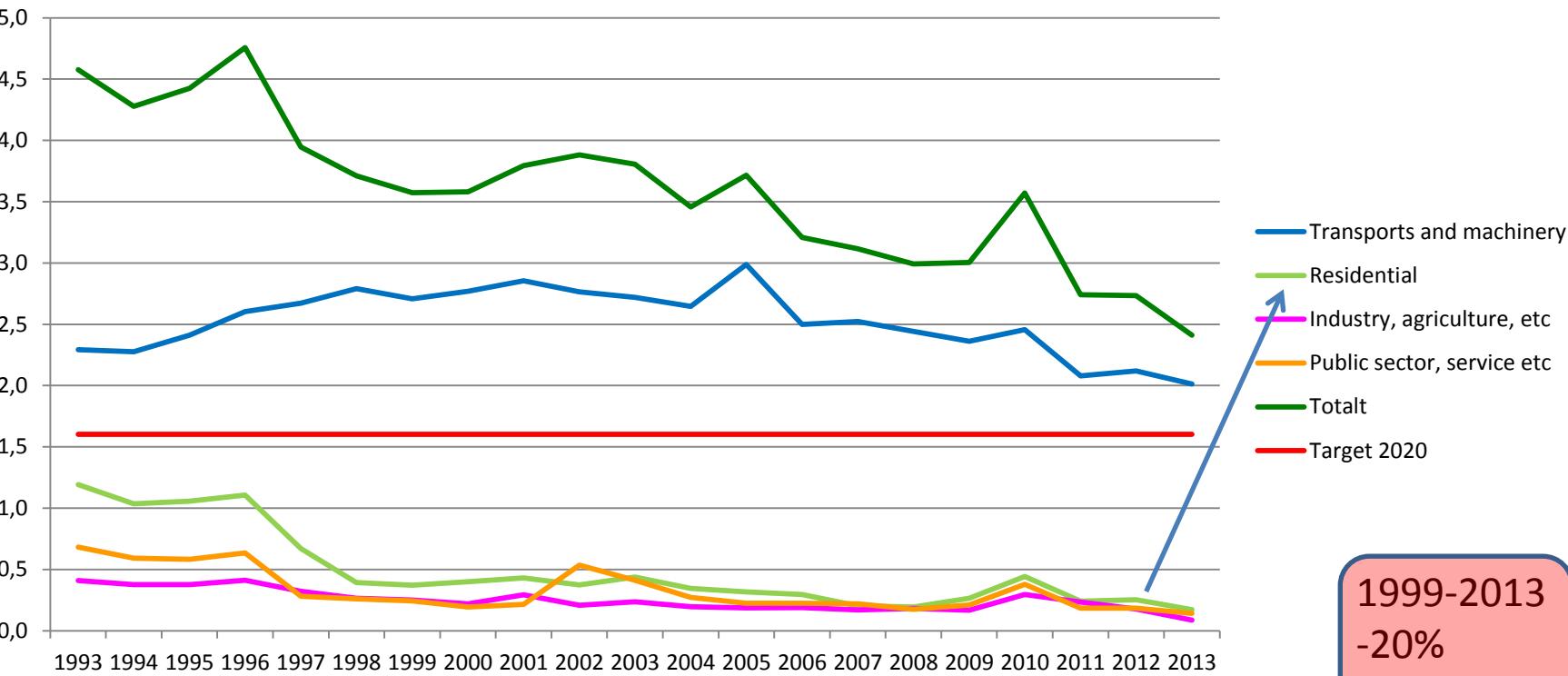
READY



Smart Cities
and Communities

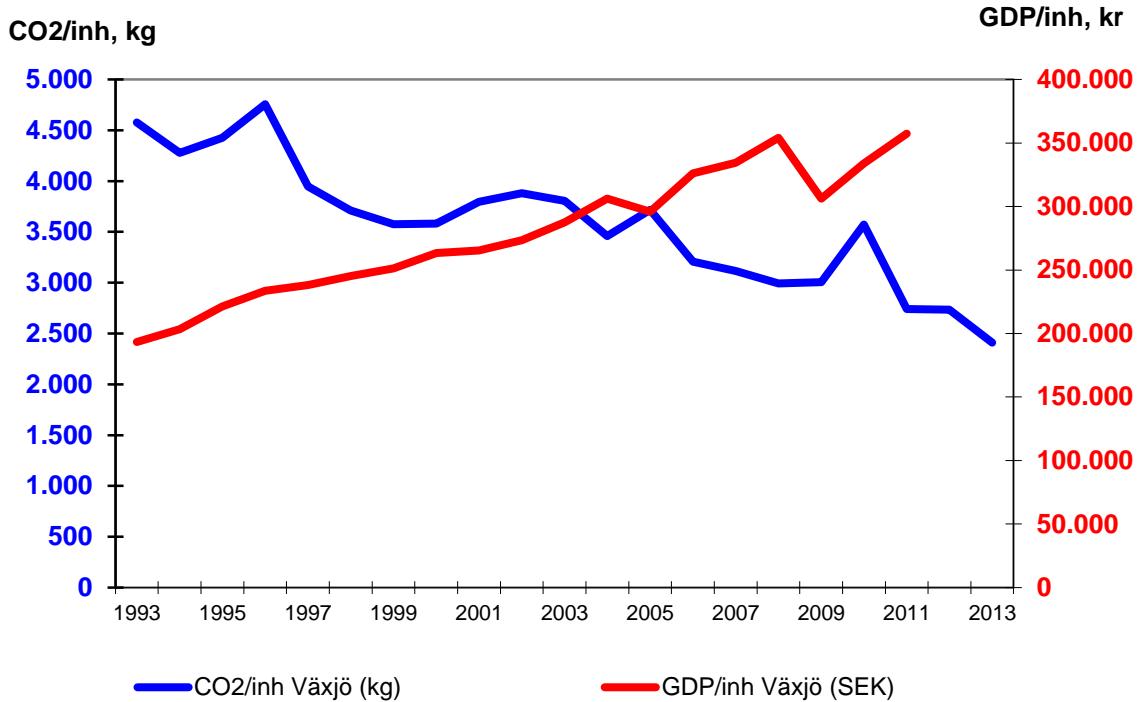


Växjö
kommun
The Greenest City in Europe



1999-2013
-20%
(kWh/m²)

CO2 emissions per capita (ton)



CO2 and economic growth



Thanks for listening

www.vaxjo.se/sustainable



“The love you take is equal to the love you make”

“The End” by Paul Mc Cartney

