

Megatrends influencing our cities

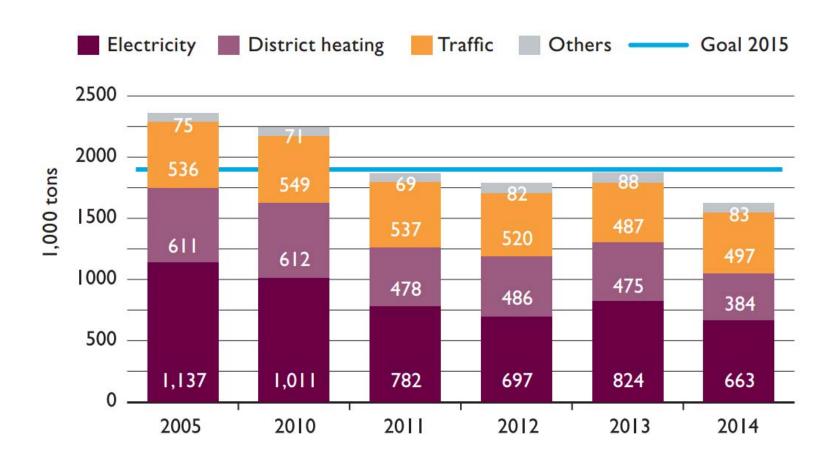


Copenhagen

THE FIRST CARBON NEUTRAL CAPITAL BY 2025

What are the challenges we are facing?

Transport – only 7% decrease in CO₂

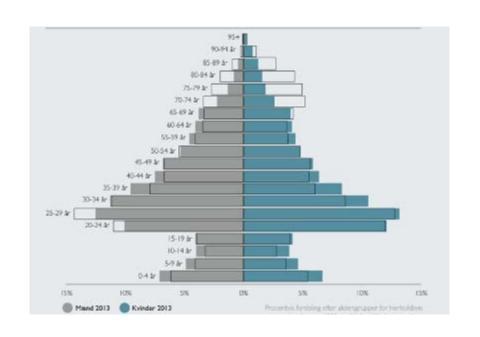


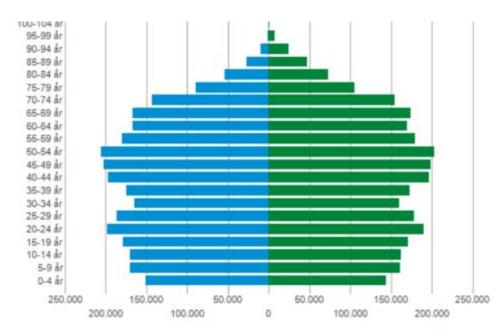
How can we meet this challange?



How can mobility support quality of life?

Copenhagen – a young city

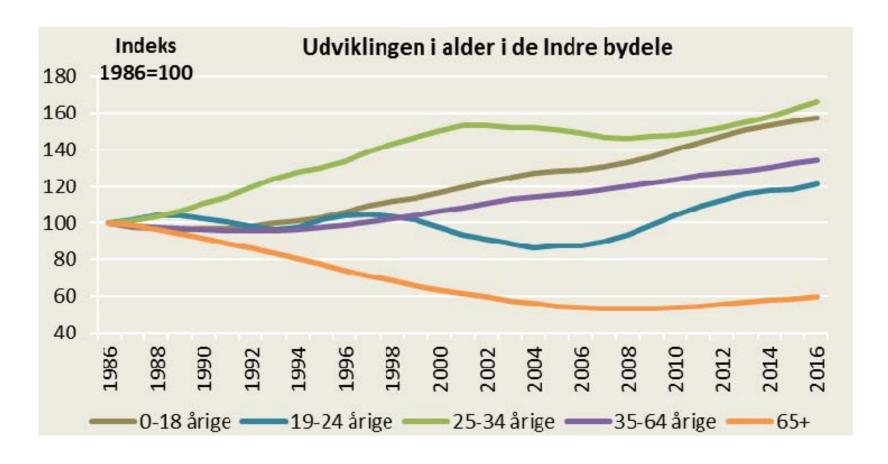




Copenhagen

Denmark

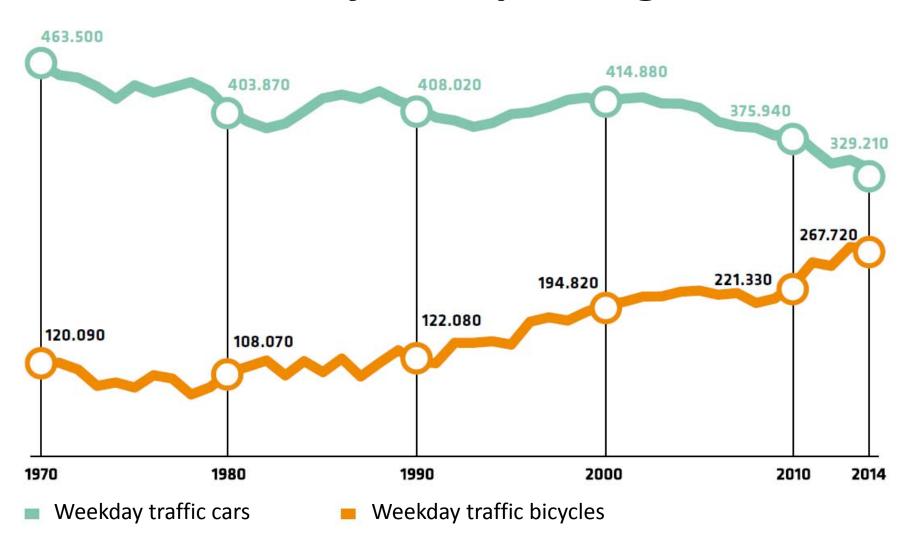
Copenhagen – a young city





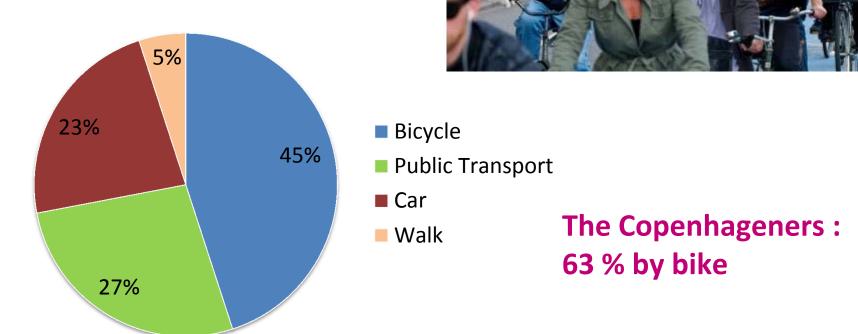
- A clear traffic policy
- Visible mobility design
- New ways of cooperating
- Work across academic disciplines to create synergies
- Smart solutions

Long term development in traffic in the inner city of Copenhagen



Modal split 2014

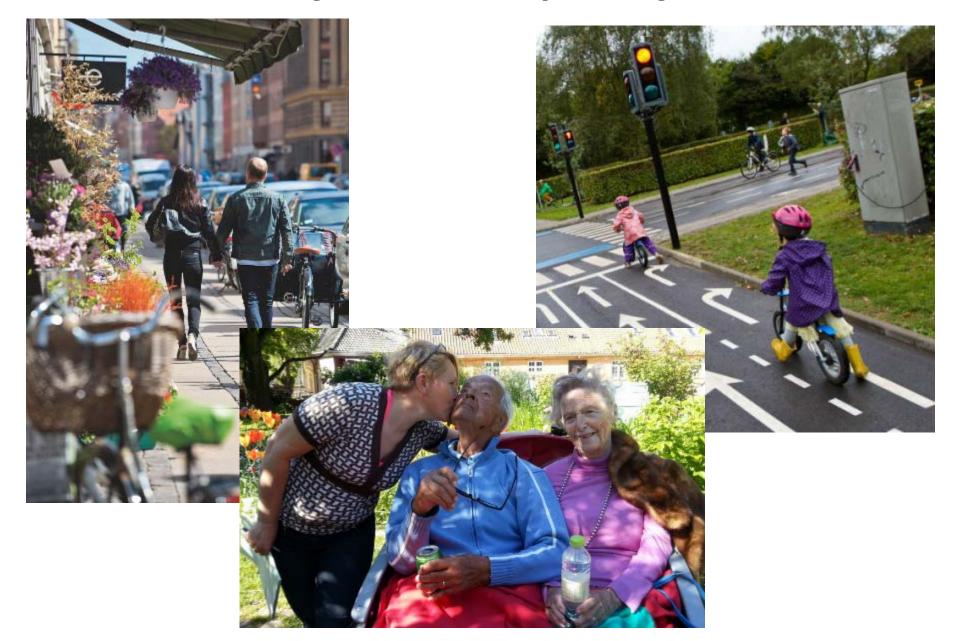
Trips to work and education



Cycling without age



Mobility for all – quality of life

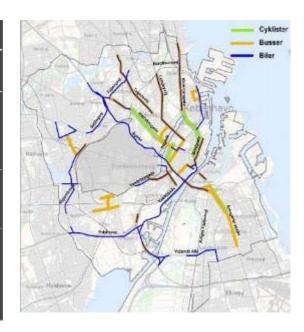


Clear transport policy

- Mobility plan with long term goals e.g. development in modal split
- Short term service goals—e.g. reduction in travel time or number of stops
- Traffic management plan and priority strategy –bringing in all modes in planning but ensuring a clear priority strategy

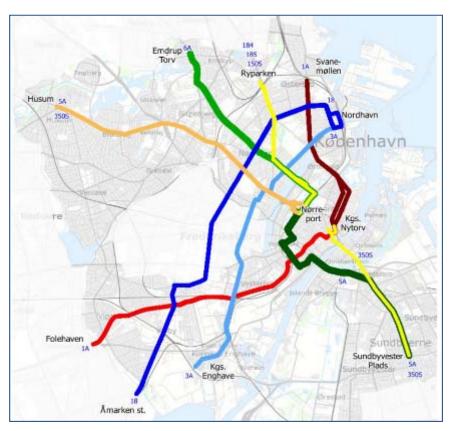


	Service goals for 2018 (basis 2011)
Bicycles	Reduce travel time by 10 %
	Recude number of stops by 10 %
Pedestrians	 <u>Inner City</u>: Enough time to cross the road when traffic light turns green
	 Rest of the city: Focus on pedestrians on shopping streets and traffic hubs
Buses	Reduce travel time by 5-20% (depends on route)
	Increase travel time reliability by 10%
Cars	 Travel time must not be increased and will be reduced by 5% on some roads
	Increase travel time reliability by 10%
	Reduce number of stops by 10 %

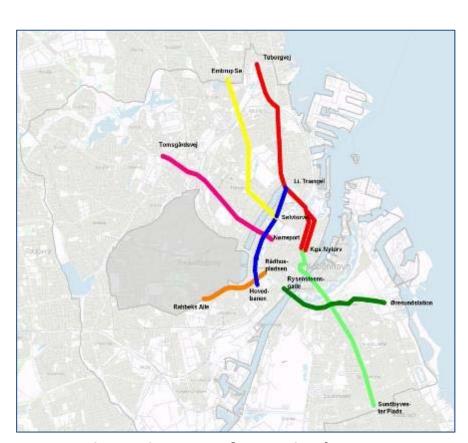


	Service goals for 2018 (basis 2011)
Bicycles	 Reduce travel time by 10 %
	 Reduce number of stops by 10 %
Pedestrians	 Inner City: Enough time to cross the road when traffic light turns green
	 Rest of the city: Focus on pedestrians on shopping streets and traffic hubs
Busses	 Reduce travel time by 5-20% (depends on route)
	 Increase travel time reliability by 10%
Cars	 Travel time must not be increased and will be reduced by 5% on a few roads
	 Increase travel time reliability by 10%
	 Reduce number of stops by 10 %

Traffic Management Plan



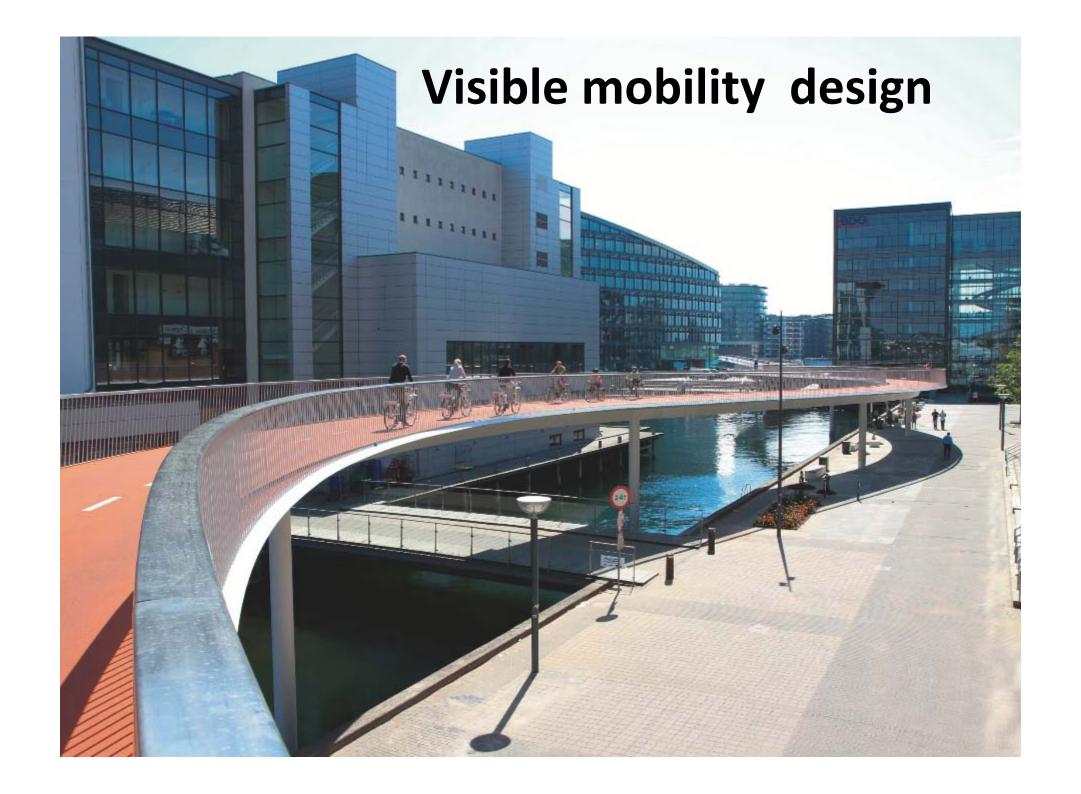
Selected routes for buses priority



Selected routes for cyclist's priority

Traffic signal optimization







New ways of cooperating

- Planning-driven approach?
- Market-driven approach?
- Science-driven approach?
- User-driven approach?

All four areas must be brought together in a co-creation process

Bringing industry and user closer together







Create synergies

CLOUD BURST MANAGEMENT



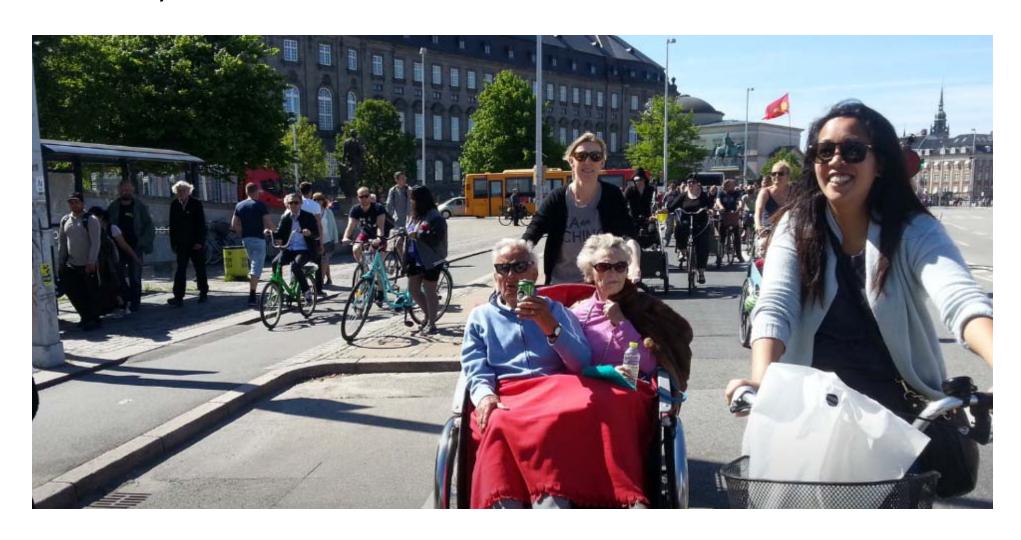


SLA Landskabsarkitekter

Examples – bringing industry and user closer together

Cycling without age

The City of Copenhagen invested 135.000 Euro. Today there are more than 750 volunteers



Public Private Innovation



Urban Lab

The city of Copenhagen provides access to make live demonstrations or tests in streets

Copenhagen solutions lab



Live test of dynamic urban street concept



Examples of smart solutions

Green driving behavior
Promote biking and public transport
More dynamic use of urban space

Eco-driving

Pilot project for trucks at an important arterial road

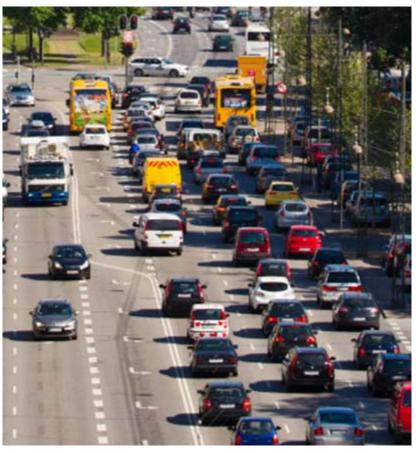
Potential: 13% reduction in CO₂





+Way and intelligent bus priority





Information and safety

Dynamic information to bicyclists





More dynamic use of urban space

