

# Copenhagen cycling city

Hamburg May 27th, 2010



Niels Tørsløv  
City of Copenhagen

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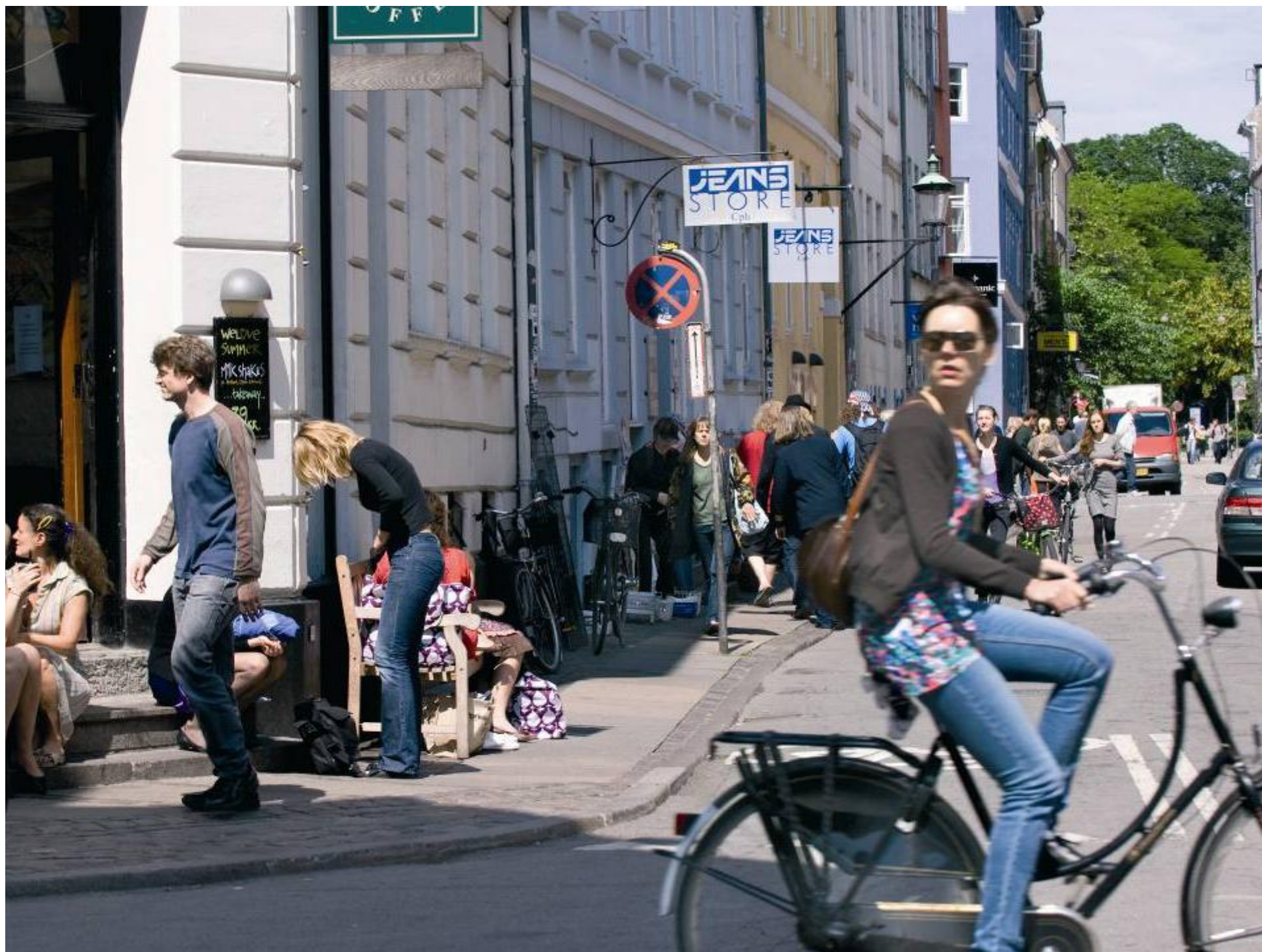
























I BIOGRAFERNE  
23. JULI!

T.	16550
L.	5525
Bgv.	0
Siddepl.	33
Ståpl.	39















# Cycling today

- 1.2 million km cycled every day
- 37% arrive at work or education on bikes
- 60% of Copenhageners choose their bike on all trips



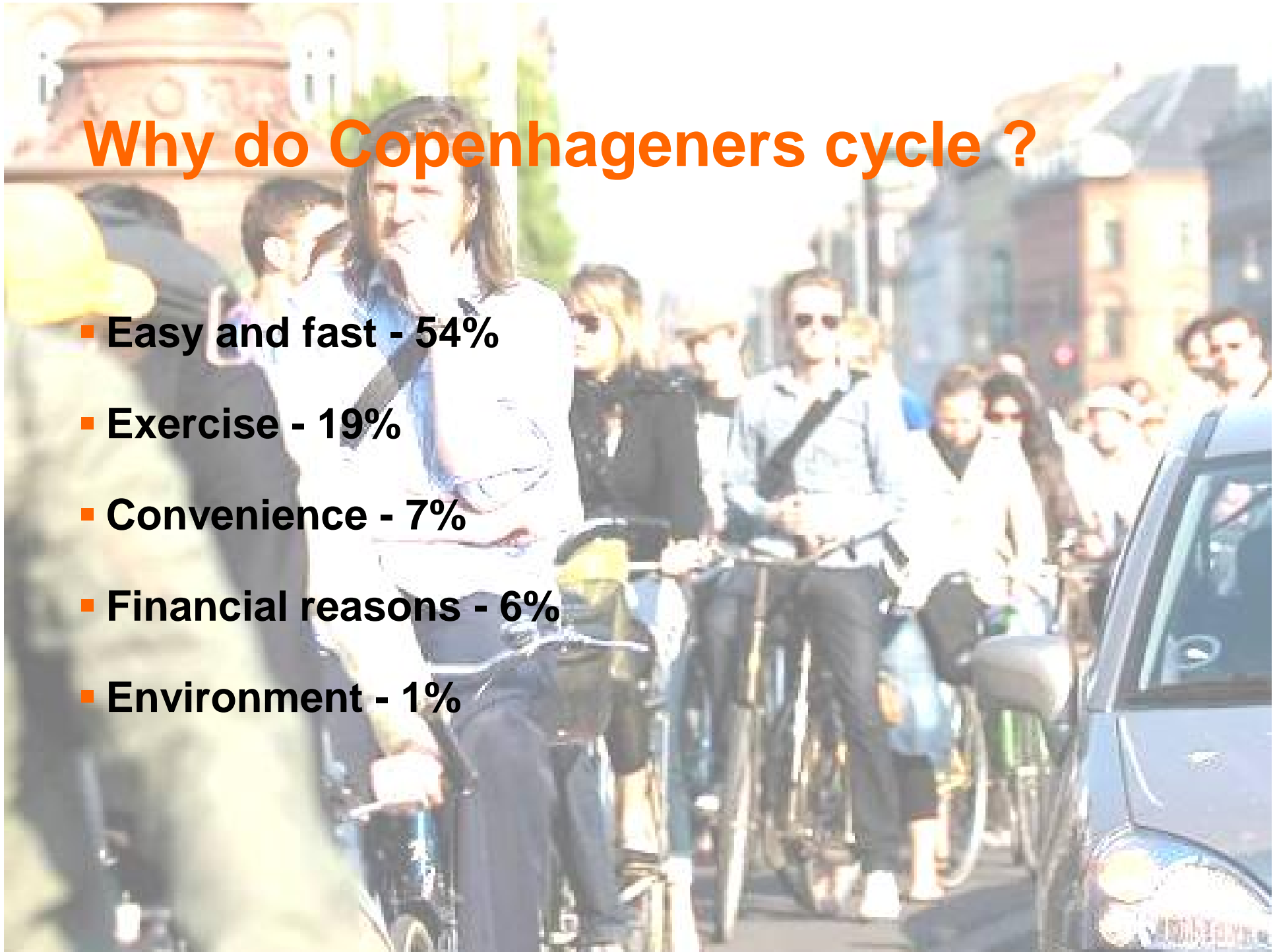
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# Why do Copenhageners cycle ?

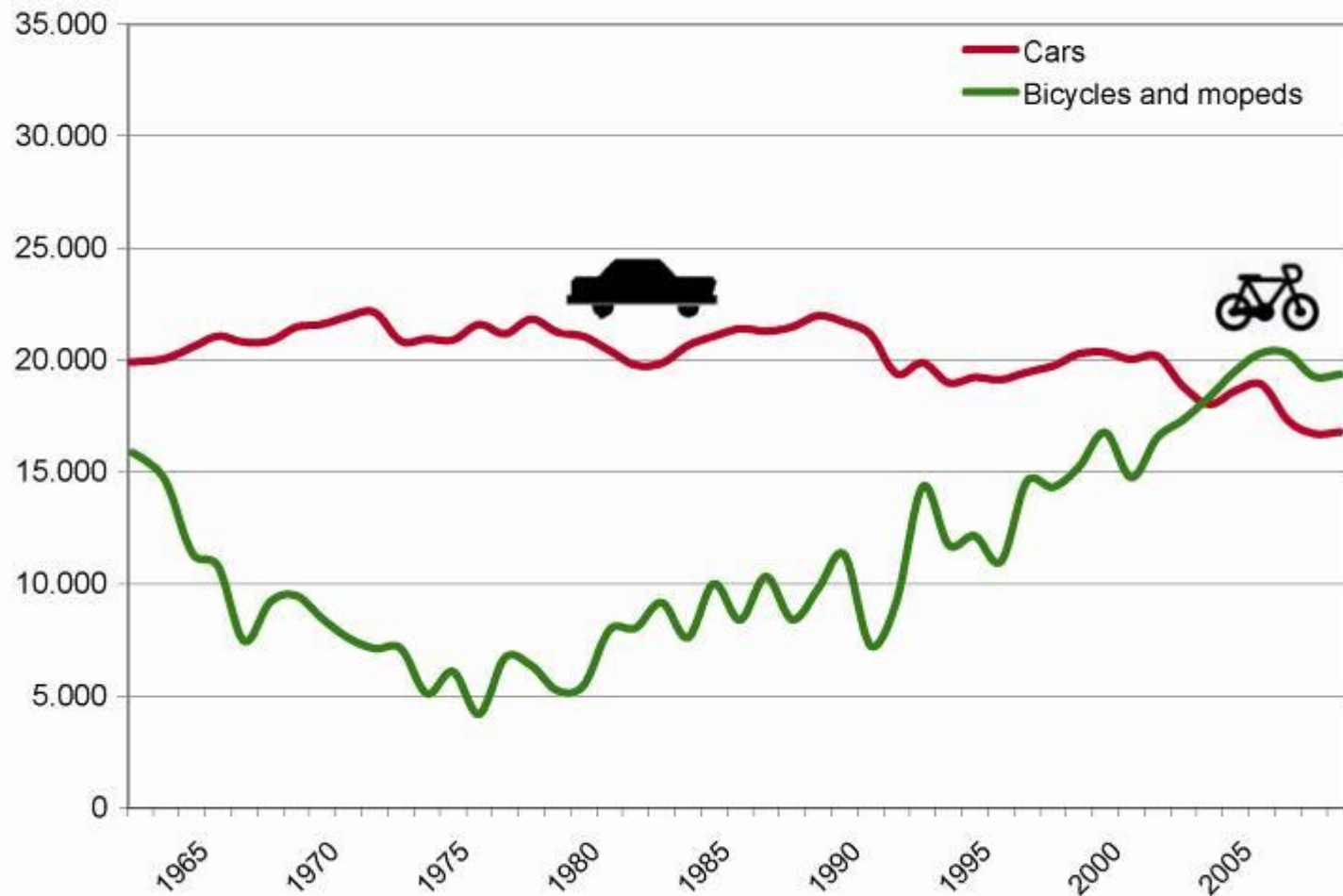
- Easy and fast - 54%
- Exercise - 19%
- Convenience - 7%
- Financial reasons - 6%
- Environment - 1%





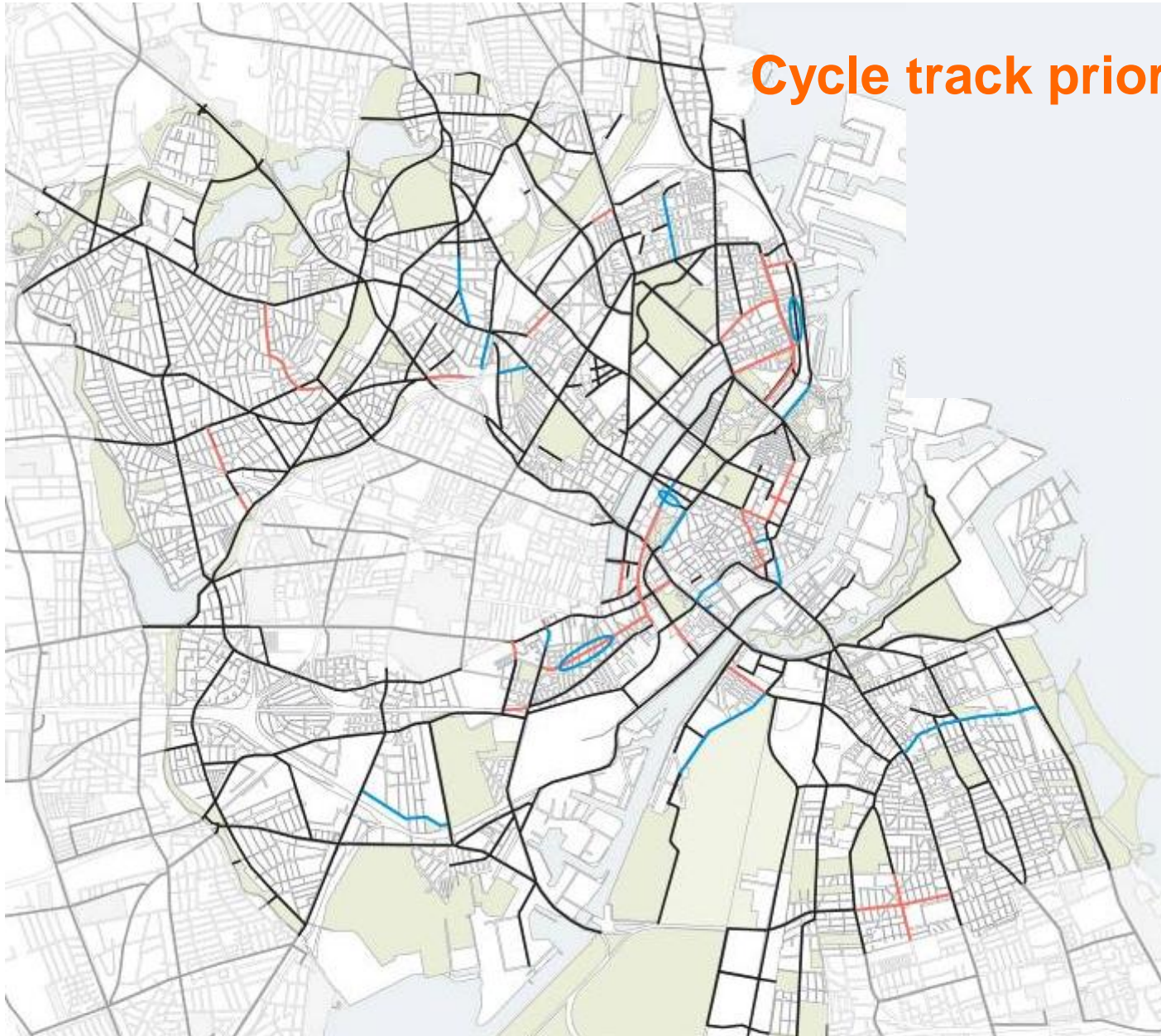
# Cycling - Í Sösnittetî - morning peak

Inner ring, peak hour towards center





## Cycle track priority plan



**338km of cycle tracks + 50km planned and 18km of cycle lanes**



# Social cycling







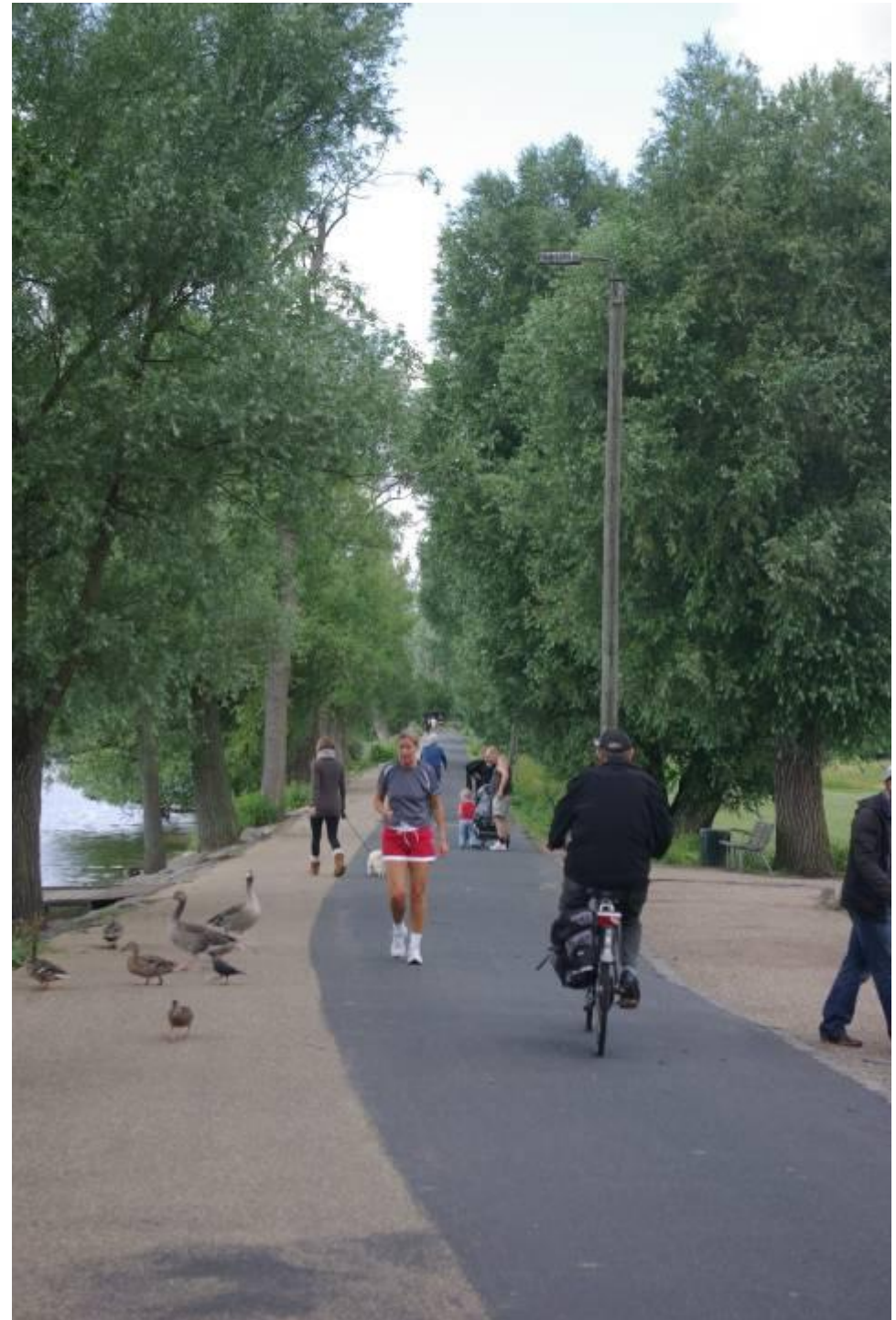


# Green cycle routes





# Green cycle routes





**nice effects !!!**

**15%**

**18%**

**150%**

**55%**



*Î Dejlil cykelvej - mere af den slagsÎ*

*Î Total lækker turÎ*

*Î Broen er en genistregÎ*

*Î Fantastisk cykelsti-system -  
derfor tager jeg ikke bilenÎ*

*Î Tak for en lækker broÎ*

*Î Smuk tur, flere broer ønskesÎ*



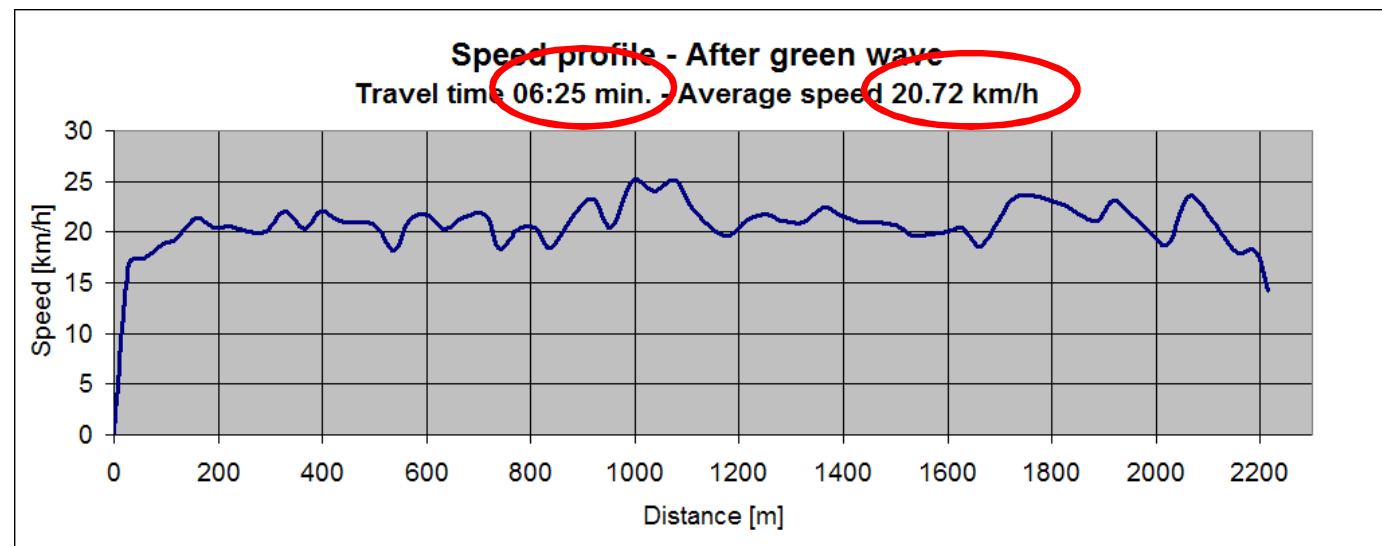
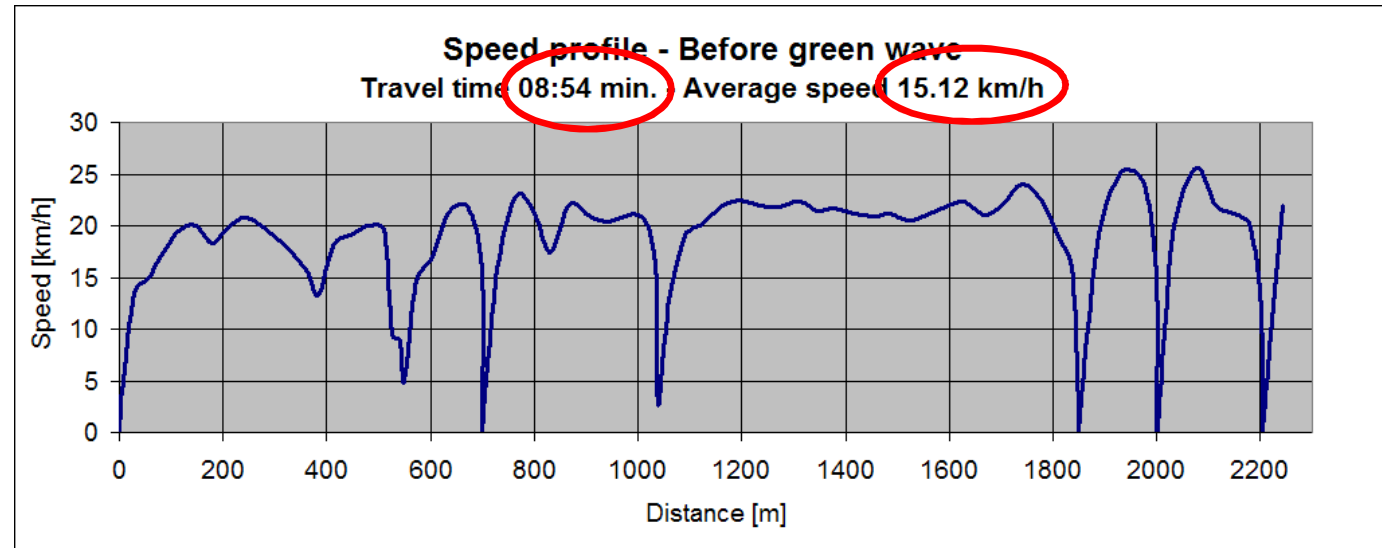


# Î Green WaveÎ Through Traffic Lights





# Bicycles towards City - morning





comfort and appreciation !



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## High quality equipment



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## THE WINNERS OF CPH BIKE-SHARE COMPETITION



HOME

JURY / ADVISERS

JURY REPORT

ORIGINAL SITE

RIGHTS / FUTURE

### 1. PRIZE

LOTS DESIGN, KOUCKY &  
PARTNERS



### 1. PRIZE

THOMAS COULBEAUT



### 2. PRIZE

KASPAR GRUNDAHL,  
MORTEN ENGEL



### 3. PRIZE

JACOB KRISTENSEN,  
MALTE AGERSKOV



### SPECIAL PRIZE

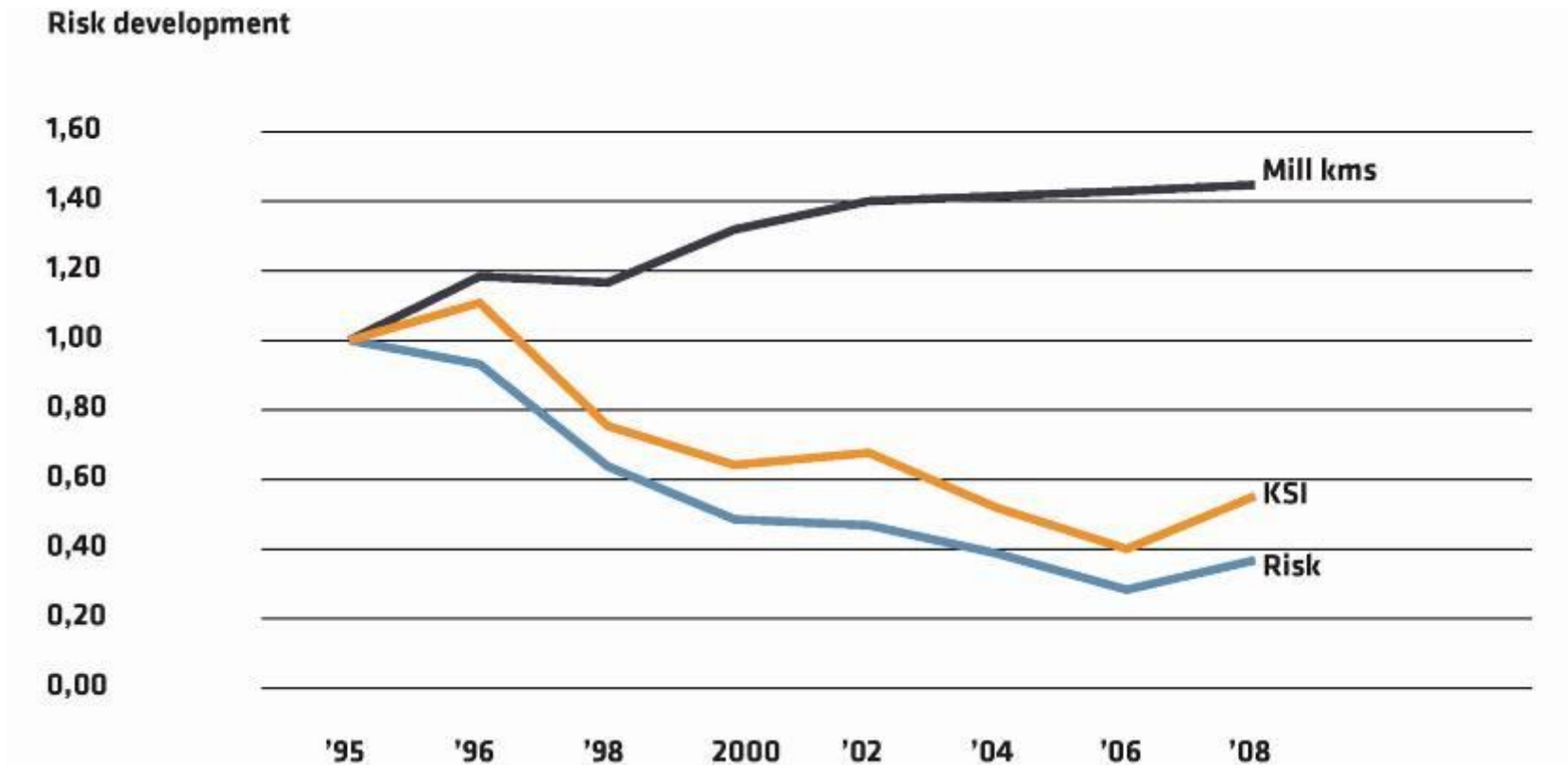
JUNG GEUN TAK,  
SHINHYUN KANG



127 ENTRIES FROM FIVE CONTINENTS

[VIEW ALL ENTRIES](#)

# Risk calculations



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# Improving safety

- Low speed zones
- Redesigning intersections and streets
- Black spot management + cost effectiveness
- Campaigning



# Safety measures

- **Narrow cycle lane at intersections**
- **Withdrawn stop lines for cars**
- **Blue cycle crossings**
- **Pre-green for cyclists**



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# School travel program

- School travel plans
- Safety improvements on streets and intersections
- Restrictions on car access
- Behavioral campaigns
- Training programs



# Health effects

- **Physically active individuals live five years longer than inactive individuals**
- **Active individuals have four fewer years of severe illness than inactive individuals**

(Traffitec 2006)



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## Health benefits from a 10% increase in cycling

Annual savings will be :

- Healthcare savings - \$12 mill
- Reduced production losses - \$31 mill
- 3.3% drop in absence from work
- 61,000 extra years of life
- 46,000 fewer years of severe illness
- 25 fewer early retirements

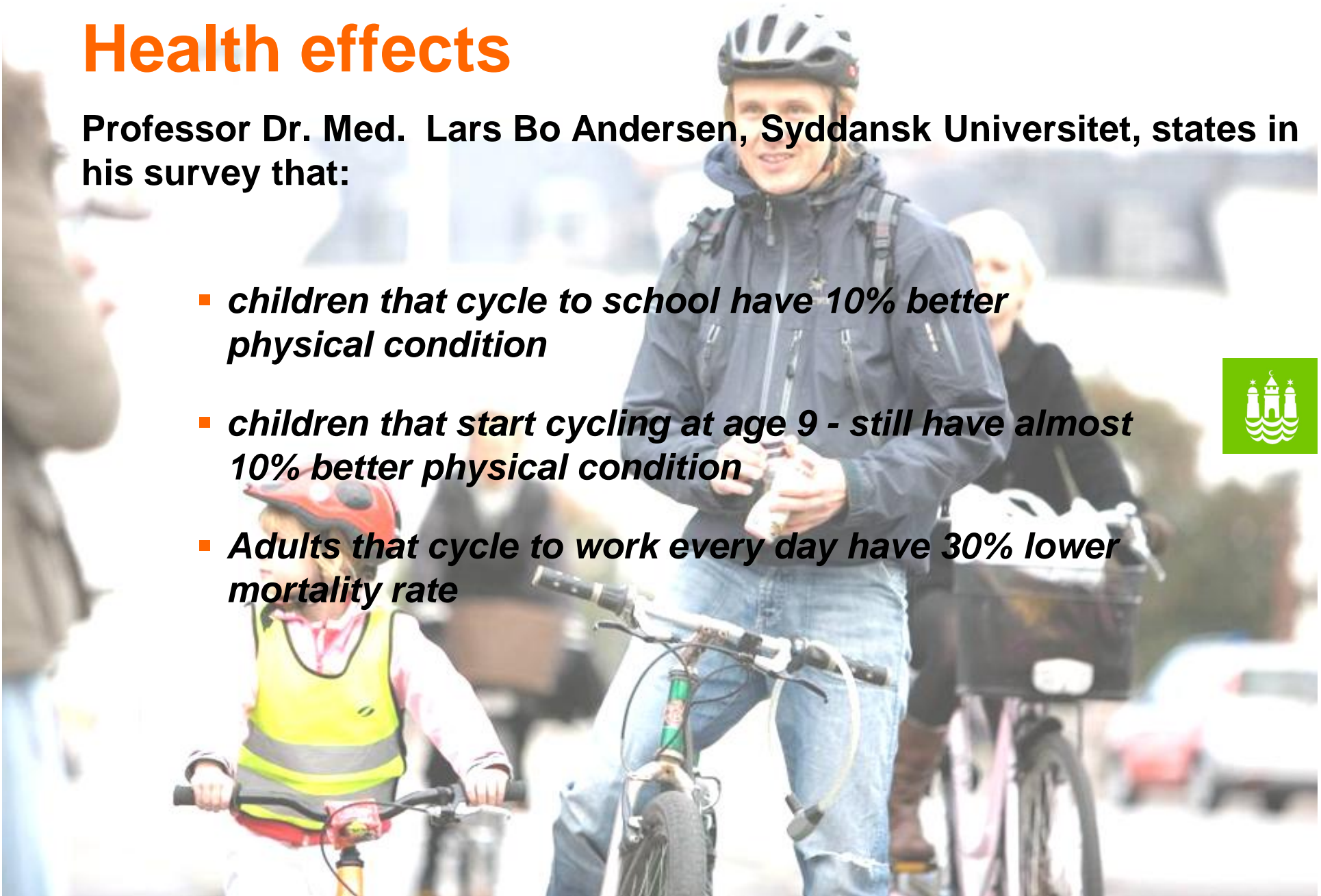


(Traffitec 2006)

# Health effects

Professor Dr. Med. Lars Bo Andersen, Syddansk Universitet, states in his survey that:

- *children that cycle to school have 10% better physical condition*
- *children that start cycling at age 9 - still have almost 10% better physical condition*
- *Adults that cycle to work every day have 30% lower mortality rate*





# Health effects

^ One extra kilometer cycled gives an average gain in health- and production-related benefits of more than DKK 5.^

(COWI 2008)



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# Climate change benefit in CopenhagenÅ

**90,000 tons CO<sub>2</sub> saved annually**

**- compared to the same number of kilometers by car.**



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# 2015 goals on cycling Å

- Increase commuter share from 37% to 50%
- 50% reduction in accidents
- Increase the feeling of safety from 50% to 80%



## How to get there

making it easy !

more infrastructure

more coherent infrastructure

improved safe feeling

improved comfort

parking facilities

Î breaking barriersÎ



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# THE CO2 FRIENDLY CITY



### 3. FIVE MINUTE CITY





### 3. FIVE MINUTE CITY



COLLECTIVE  
TRANSPORT



BIKES



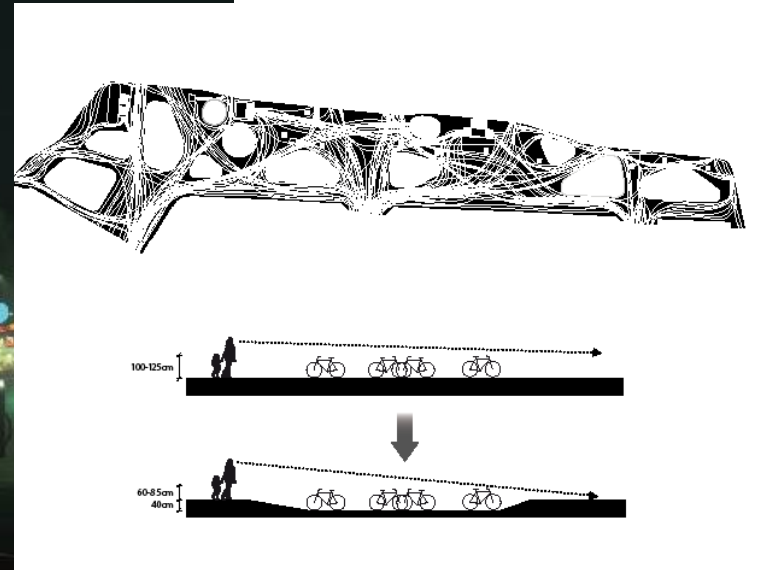
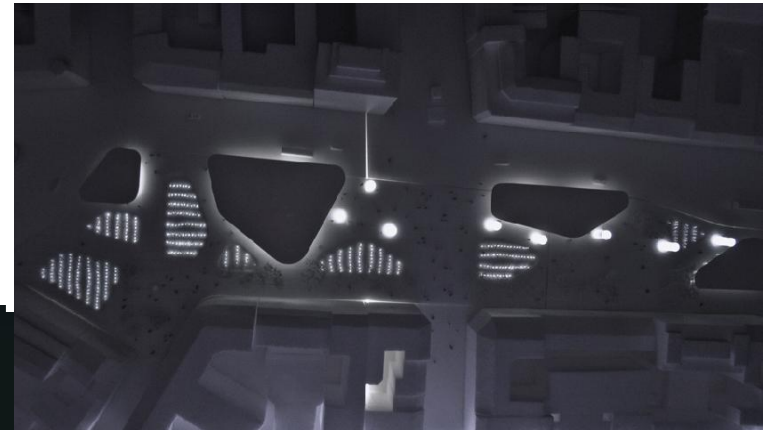
CAR



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## Nørrebrogade traffic experiment, 2009 - 2,5km



# I Bike CPH

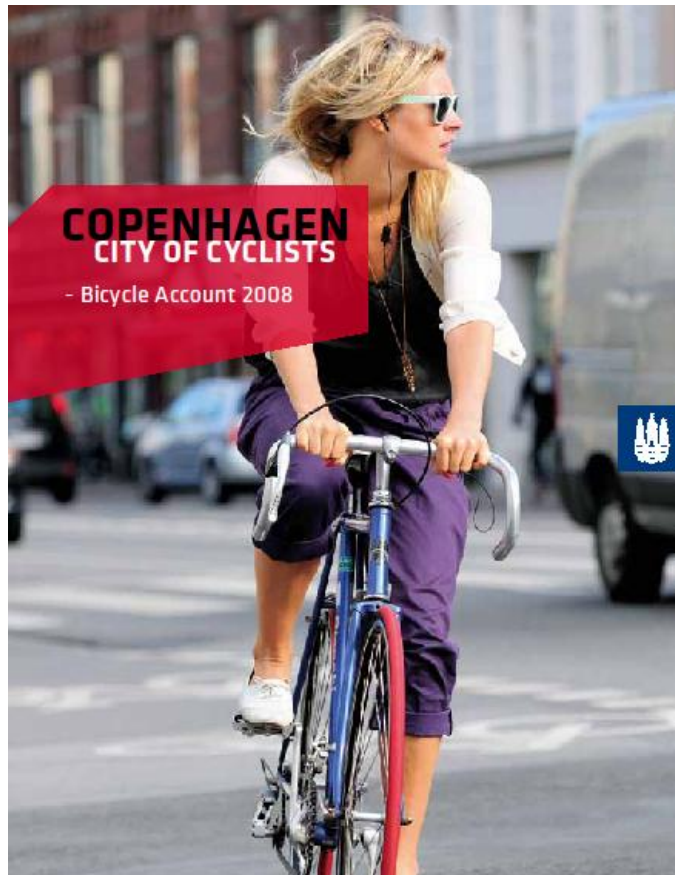




# Campaigning merchandise



# Bicycle Account



- What cyclists think
- Goals and key figures











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# What cyclists think

	1996	1998	2000	2002	2004	2006	2008
CPH as a city for cyclists 	7	8	8	8	8	8	9
Cyclist sense of safety 	6	6	6	6	6	5	5
Amount of cycle tracks 	6	6	7	6	6	6	6
Cycle track width 	7	7	6	5	5	5	4
Condition of cycle tracks 	5	5	4	5	5	5	5
Condition of roads 	2	3	2	3	3	3	3
Bicycle parking generally 	4	3	4	3	3	3	3
Combining cycling and public transport 	5	4	5	5	5	6	5



# Goals and key figures

<b>ECO-METROPOLIS</b>	<b>1996</b>	<b>1998</b>	<b>2000</b>	<b>2002</b>	<b>2004</b>	<b>2006</b>	<b>2008</b>
Percentage that cycle to work or education (%)	30	30	34	32	36	36	<b>37</b>
Seriously injured cyclists (number per year)	252	173	146	152	124	92	<b>121</b>
Percentage of cyclists that feel safe (%)	60	58	57	56	58	53	<b>51</b>
<b>OTHER KEY FIGURES</b>							
Cycled kilometres (mio./km per weekday)	0.93	0.92	1.05	1.11	1.13	1.15	<b>1.17</b>
Cycled km between serious casualties (mio./km)	1.2	1.8	2.4	2.4	3.0	4.2	<b>3.2</b>
Cycling speed (km/h)					15.3	16.0	<b>16.2</b>
Cycle tracks (km)	294	302	307	323	329	332	<b>338</b>
Cycle lanes (km)		6	10	12	14	17	<b>18</b>
Green cycle routes (km)	29	30	31	32	37	39	<b>41</b>
Bicycle parking spaces on roads and pavements (1000)					29.5		<b>34.8</b>







**VELO-CITY GLOBAL 2010**  
DIFFERENT GEARS, SAME DESTINATION  
COPENHAGEN, JUNE 22 - 25

[www.velo-city2010.com](http://www.velo-city2010.com)

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## Velo-city Global 2010 - June 22-25

"I look forward to sharing New York City's cycling success story with a global audience, and the common work U.S. cities have begun to implement bike-friendly streets."

I also welcome the opportunity to learn from the international cycling experts that will gather at Velo City Global. And everyone will benefit from the inspiration provided by Copenhagen's remarkable cycling culture, infrastructure, and sheer volume of riders!"

Janette Sadik-Khan, City of New York, Speaker at Velo-city Global 2010



Download  
3rd Announcement



Cycling in Malawi. Photo: Carl Gustav Lorentzen



Car free Sunday in Santiago, Chile. Photo: Ciclorecreovia



[www.cycling-embassy.dk](http://www.cycling-embassy.dk)



# Cycling Embassy of Denmark



FREDERIKSBERG  
KOMMUNE

PRINCIPIA

KILDEMOES\*

 **REELIGHT\***  
BATTERY-FREE BIKE LIGHTS

I  CPH



  
DANSKE CYKELHANDLERE

VisitDenmark  
The Official Tourism  
Organisation of Denmark



COWI

GEHL ARCHITECTS  
URBAN QUALITY CONSULTANTS



VEKSØ\*



 Århus Cykelby



Dansk Cyklist Forbund

# Lifestyle













Grøn bølge

Du får ikke en fod til jorden























































































































































































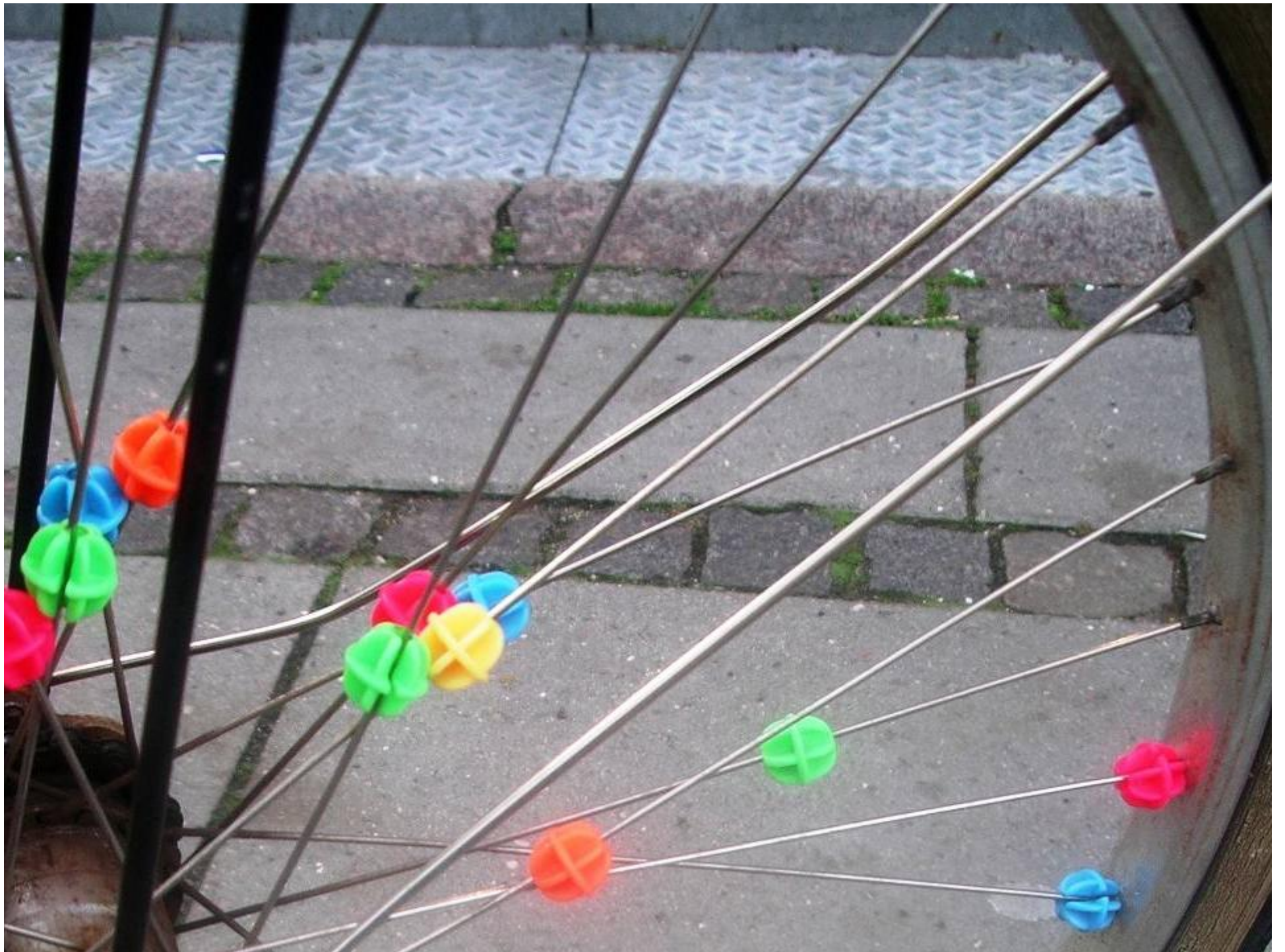




































































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