Sustainable Urban Mobility is key to sustainable development

► 10 Arguments

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Our current urban pattern

World is 54% urban and urbanization will continue. New cities emerge and existing cities will grow.

Number of cars in Chinese cities
Situation & Problems
Conquering pedestrians’ refuge
Besetting urban life
Cars in cities:
- Growing number
- Growing in size
- Aggressive occupation of cities and human spaces

= Cancer in the urban organism
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► 10 Arguments
Sustainable Transport

→ puts people in the center
→ reduces the dominance of private cars
→ avoids (unnecessary) motorized travel
→ encourages shift to clean, green and healthy mobility of people and goods

→ gives priority to EcoMobility:
  - walking
  - cycling
  - wheeling
  - ‘passenging’
  - carsharing

… is a key to sustainable development due to its effects on society, environment, economy and cities
1. Economically use of space

Less space to cars
... but for public or private use
... denser infrastructure

Photo: traffiQ
2. Cost effective and efficient

Investing in public transport, walking and cycling is cheaper than building for personal automobiles.
3. Economically viable

Businesses benefit from more walking, cycling and public transport

Public transport is efficient to reach work places

Societal costs of private car use
4. New opportunities for city development

More space for people
More space for commerce
More life on (public) space
New types of outdoor activities

Transit oriented development

Photo: Manfred Breithaupt
5. Social inclusion

Brings people together rather than separating them (Joburg)

Supports social mix and cohesion, “equality”

„Shared space“
6. Makes people active

Increased walking and cycling in cities means increased physical activity and lower health costs.

WHO, 2015: Globally, around 31% of adults aged 15 and over were insufficiently active in 2008.
7. Safer cities, less accidents

Walking and cycling friendly cities have higher road safety than car dependent cities

Photo: Armin Wagner
8. Better air quality

Walking, cycling and public transport reduces air pollution and increases quality of life.

Increase of cycling by 1%, reduces carbon emissions by 16,000 tonnes. (Copenhagen)
9. Reduction of GHG emissions

Increase of cycling by 1 %, reduces carbon emissions by 16,000 tonnes. (Copenhagen)
10. Technical innovation and

Huge potential for vehicles innovation
Including light e-vehicles
and social innovation

Airial trams

Metrocable Medellin
New service models
New payment models
New businesses & models
New mobility patterns lead to new behavior
Sharing models
Copenhagen
Before

After

Photo: Jan Gehl

Photo: https://courses.nus.edu.sg/course/ecs/swong/trip/copenhagen.htm
Integrated land-use and mobility policy

**Bicycle commuting**
- Cycle superhighways
- Regional cycling fund
- Test-ride an electrical bicycle

**Multimodal trips**
- Bicycles free on local railways
- Bicycle flexi-room on local railways
- Bringing bicycles on buses
- Cycling traffic in the Frederikssund corridor

**Innovative cycling**
- CykelPlanen (app)

**Recreational cycling and tourism**
- Øresund as a cycling region
- Friluftsguide (app)

The map shows a plan for the network of cycle superhighways across most municipalities in the Capital Region. The routes have either been planned, adopted or constructed and are jointly funded by the municipalities and the state.

Images: Capital Region of Denmark, REGIONAL CYCLING REPORT
Active living

2.5-2.8 m
Copenhagen’s new standard width.
(Regional Cycling Report)

Photo: Gehl Architects, Lars Gemzøe
Economic Benefits

The Capital Region saves 200,000 EUR every year from cycling

(Regional Cycling Report)
Shared mobility and fewer automobiles

44% of all Danish households don’t have a car.
9 out of 10 Danes have got a bicycle.

Photo: Cycling Copenhagen
Mexico City

UN in 1992: Mexico City most polluted city in the world

4 ProAire programs by city government
One car free day/ week

BRT in Mexico City, 2005

Ecobici bike-sharing – largest in region and often copied
New York
Integrated land-use and mobility

Strategic investments have led to a 4-fold increase in cycling in 10 years.
‘People first’ design

Transformation of Times Square

Photo: LSE Cities
Equitable transport

Planning streets for all

Photo: Manhattan Waterfront Greenway
Suwon, S. Korea

Photo: ICLEI
EcoMobility World Festival 2013
Neighborhood Transformation
Transformed space
Johannesburg
Sandton Central Business District (CBD)

- Location of multi-national companies and stock exchange
- 80,000 commuters by cars daily
- Majority of people coming into Sandton CBD living within 10km of Sandton
- New BRT line; fleet of 150 new metro buses will be part of the festival

Core part of CBD car-free for 1 month
You are invited!

Be part of the transformation!

1-30 October 2015: Festival

5-11 October, EcoMobility Dialogues

www.ecomobilityfestival.org
How cities can get there

• Explicit policy which gives priority to EcoMobility/Sustainable Urban Transportation
• No urban development without public transport
• Cities of short distanced
• Integrating all means of EcoMobility
• Infrastructure for overcoming vertical height
ICLEI contributions

- 1000+ Members in 86 countries, 17 offices
- EcoMobility is one of ICLEI’s ten agendas
- EcoMobility Alliance of advanced cities
- Low carbon projects including transportation
Thank you!

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