

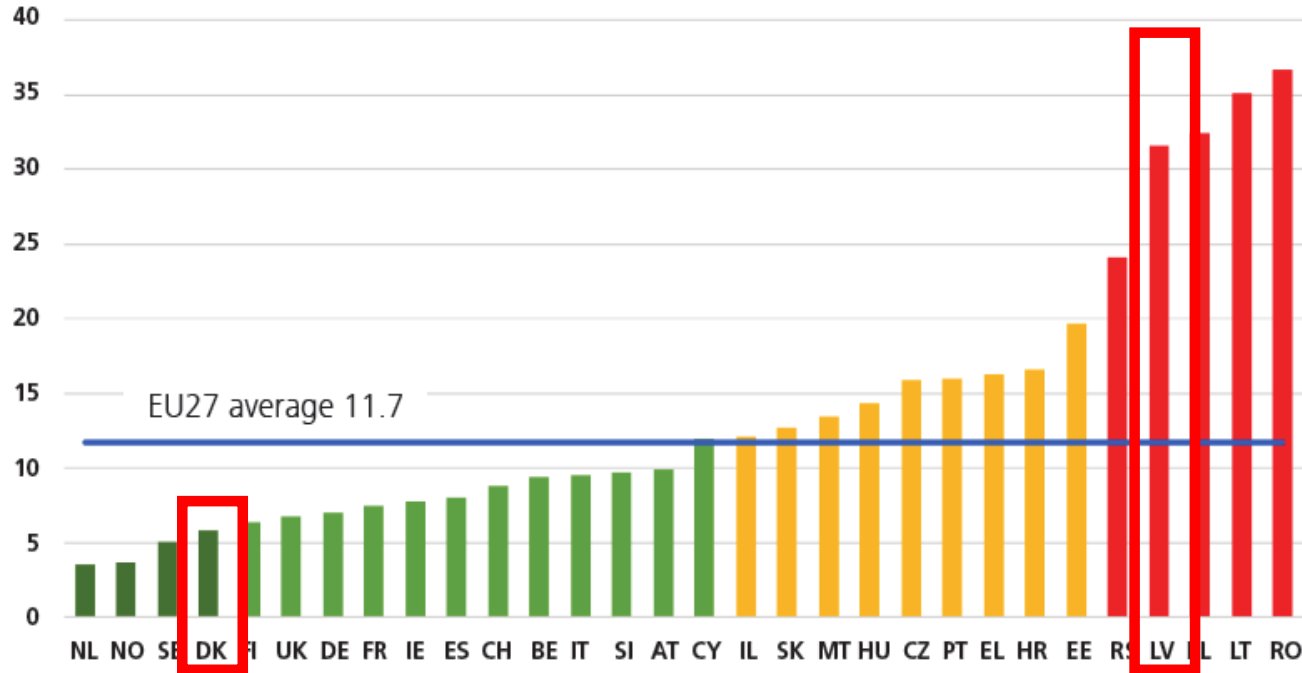


*The experience of Denmark in
improving pedestrian and
cyclist safety*



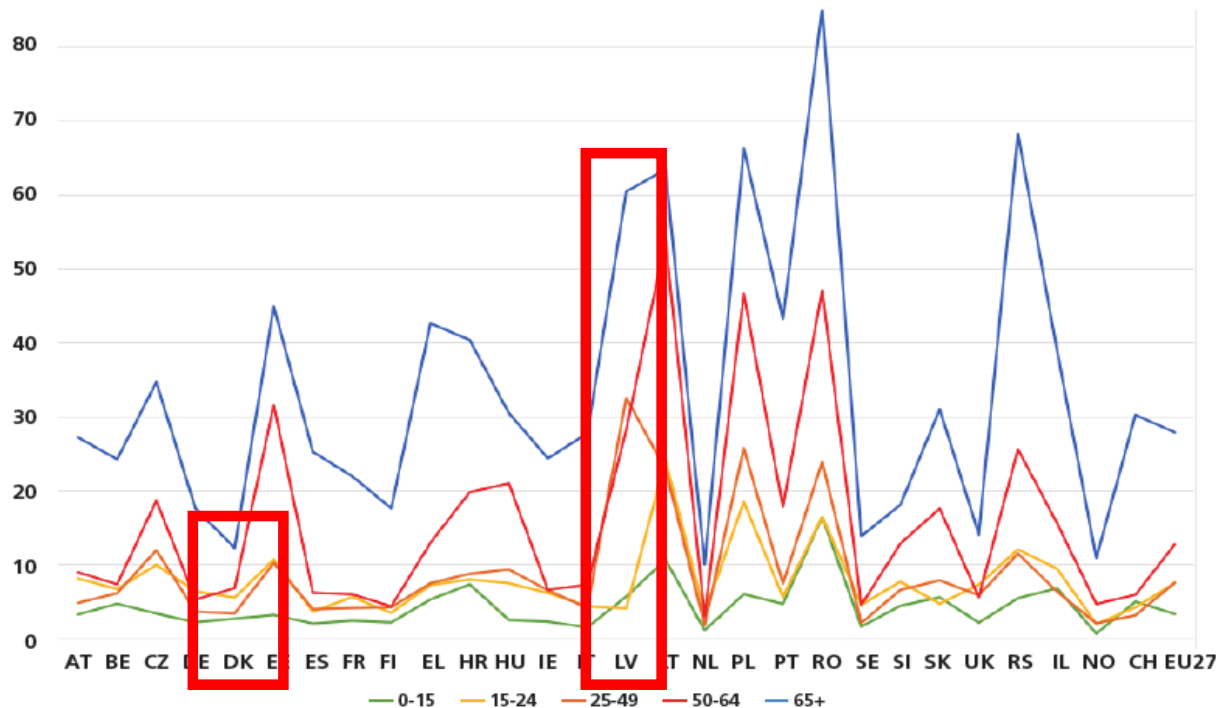
Jesper Sølund
The Danish Road Safety Council

Average killed pedestrians per million inhabitants in Latvia and Denmark 2011-2013



LV : 6 times higher risk to be killed as a pedestrian than in DK

Average killed pedestrians per million inhabitants in age groups in Latvia and Denmark 2011-2013

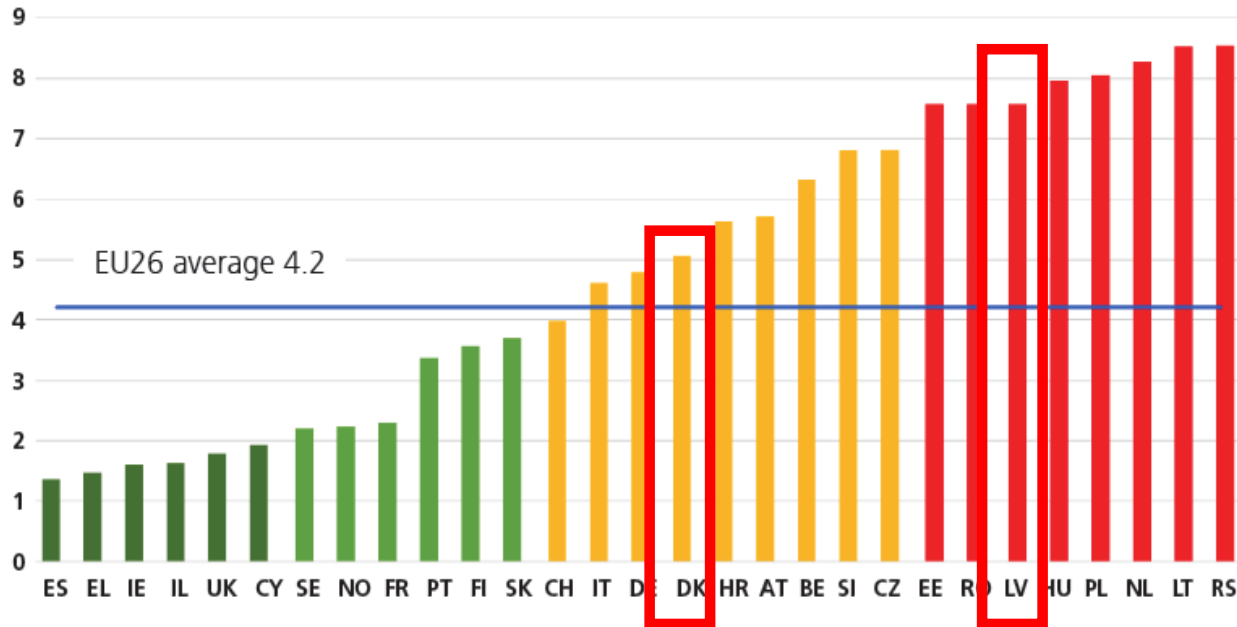


LV : Risk differs much regarding age – children and youngsters relative low

Adults and elderly 6 respectively 10 times higher risk to be killed as a pedestrian

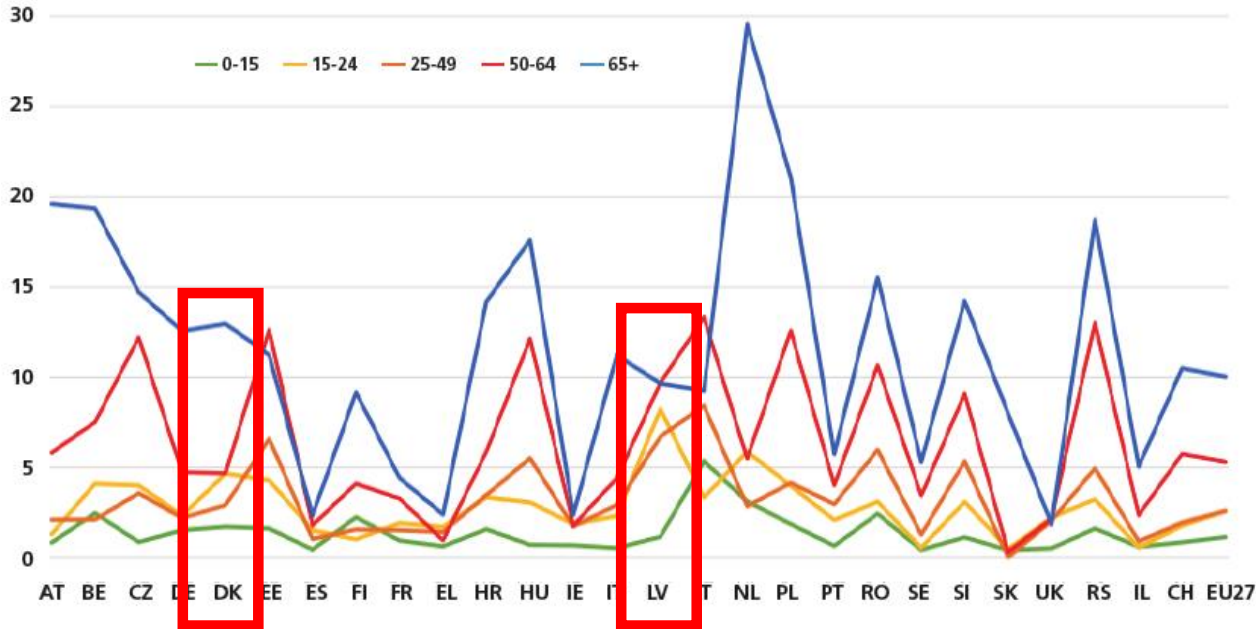
DK: Relatively low and similar risk for all – except elderly 65 +

Average killed cyclists per million inhabitants in Latvia and Denmark 2011-2013



LV : 50 % higher risk to be killed as a cyclist compared to DK

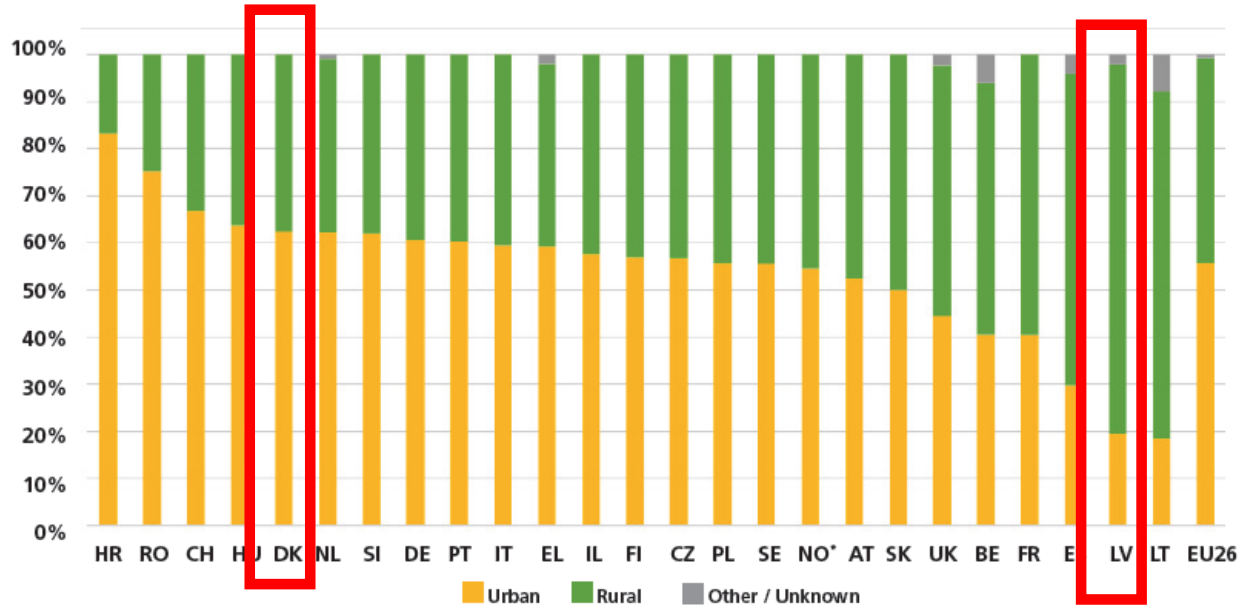
Average killed cyclists per million inhabitants in age groups in Latvia and Denmark 2011-2013



LV : Risk differ not much regarding age – beside children which is at lowest all others have values between 5 and 10

DK: Relative low and similar risk for all with values between 3-5 beside elderly 65 +

Average share of killed cyclists in Urban and rural roads in Latvia and Denmark 2011-2013



LV : 80 % cyclists killed on rural roads

DK: 66 % cyclists killed on Urban Roads



Danish Road Safety Commission Action Plan 2013-2020 - Pedestrians

Road engineering:

Speed management in urban areas
Improved crossing facilities

Vehicles:

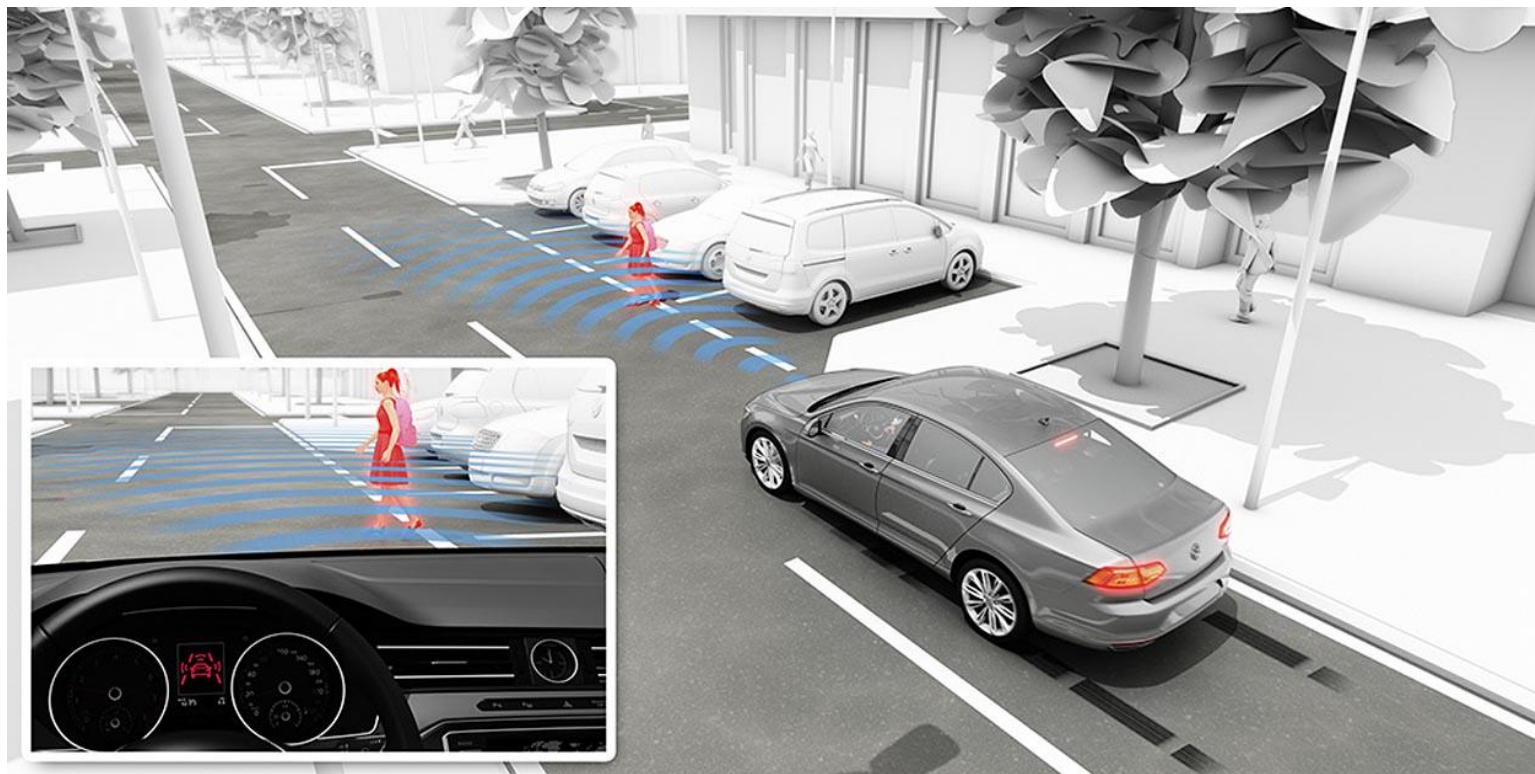
Intelligent emergency braking system and pedestrian- friendly
fronts with external airbags!

Pedestrian visibility:

Use of reflective material and clothing









Danish Road Safety Commission Action Plan 2013-2020 - Cyclists

Road engineering:

separation of road users, cycle tracks, speed managements

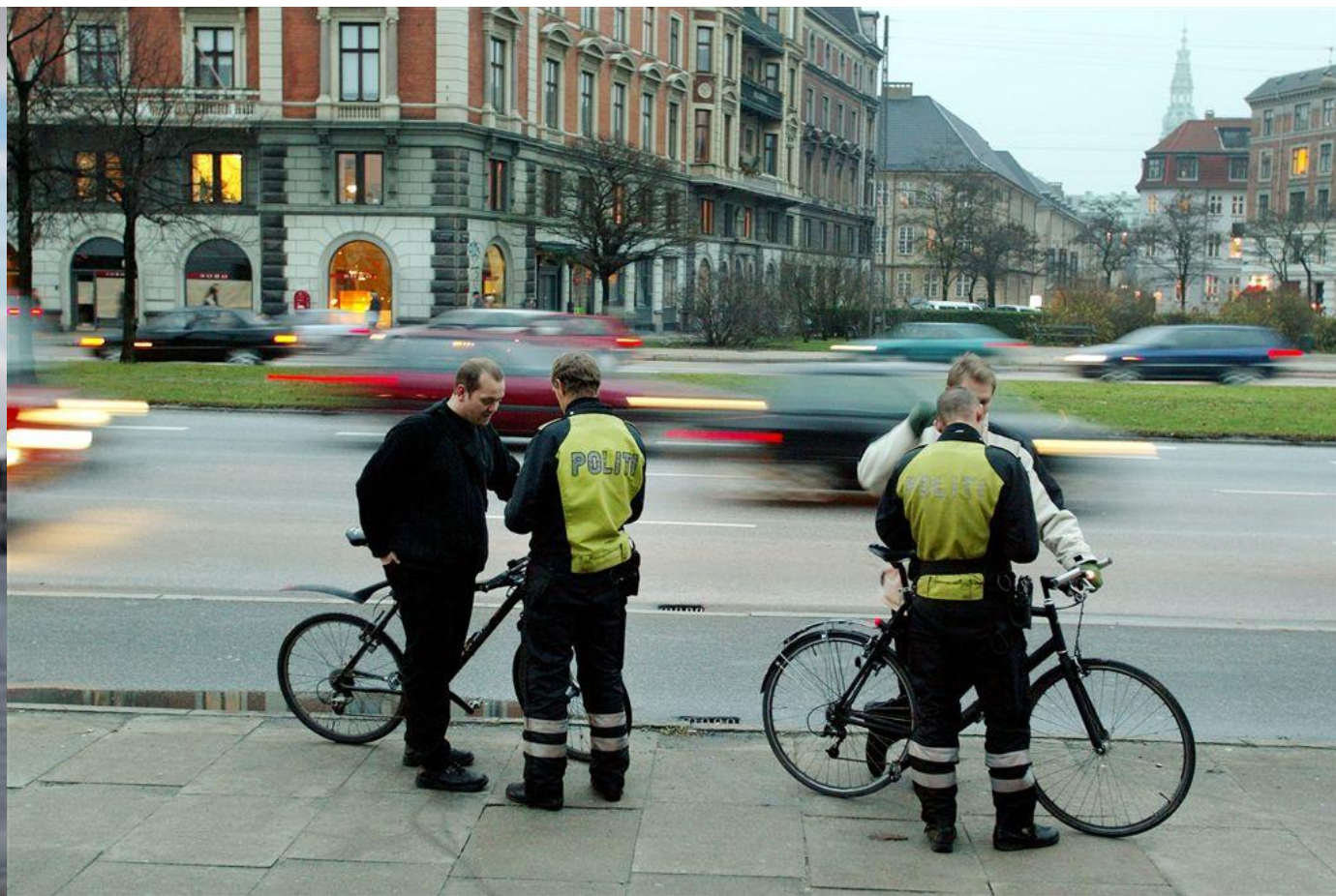
Vehicles

Bicycle brakes and visibility, Intelligent emergency braking system,
HGV's mirrors

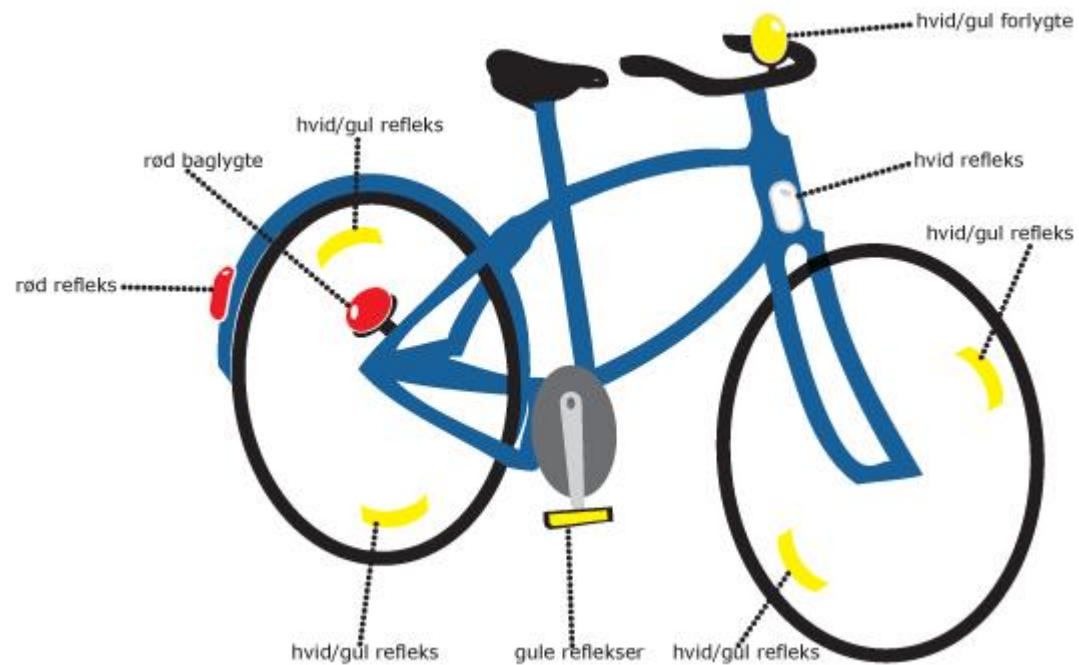
Education and communication:

5th grade cycle test, helmet use, accidents in crossings, elderly –
friendly bicycles.

Police control of cyclist behavior







Danish Road Traffic Accident Investigation Board

In-depth study on right turning HGV's and cyclists 2006



16 recommendations

- 7 Legislation/Control/sanctions
- 1 Road Engineering
- 3 Vehicle
- 4 Communication
- 1 Further research

- 15 has been realized!

Road Engineering – redesign of junctions



Withdrawn stop line –
pregreen for cyclists



Pilot project with “cycle box”

Vehicles – improvements



New truck designs: Lower position of driver, wind screen and transparent doors

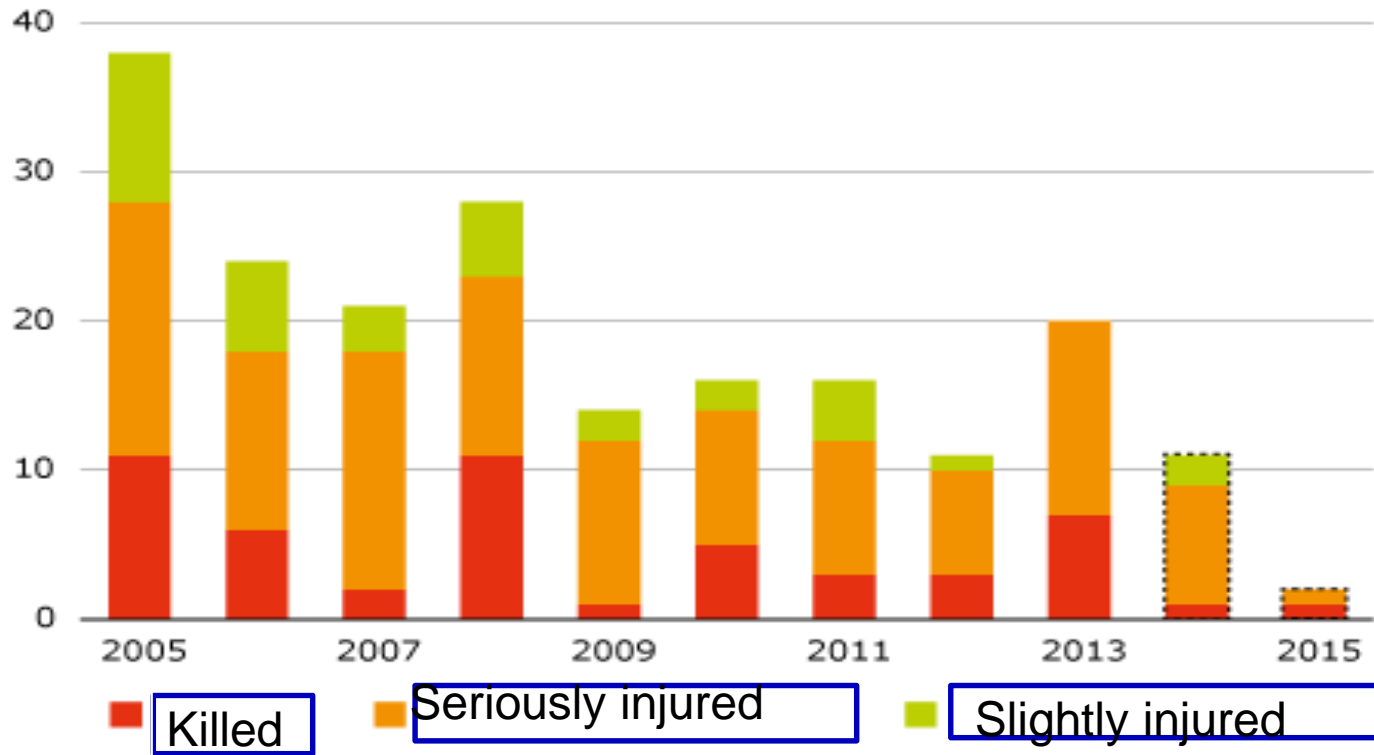
Communication to foreign drivers



**Watch out
for cyclists!**

Achtung - Radfahrer!

Example Best Practice Denmark: Accidents between right turning HGV and cyclists





The key to success:

Excellent cooperation
between authorities, private
sector, unions and NGO's.

Challenges in the future



- E-bikes
- Hospital data
- Expanding use of bicycles in urban roads with benefits for health, environment - and safety?

Tanks for your attention and
all the best for Latvian pedestrians and cyclist

