MAKING WALKING AND CYCLING ON EUROPE’S ROADS SAFER

PIN Flash Report 29

Jesper Sølund, Danish Road Safety Council
OVERVIEW

• Flash Report Results
• Best practices from Denmark
• Recommendations
7,600

People died in road traffic while cycling or walking in the EU in 2013
Approx.

73,300  

25,000  

killed since 2004
People who walk or cycle are not getting a fair share of improvements in road safety

Reductions in road deaths 2002-2012

-53%  -41%  -37%
ANNUAL % CHANGE IN PEDESTRIAN DEATHS BETWEEN 2003-2013

1. LATVIA
2. SLOVAKIA
3. LITHUANIA
4. ESTONIA
5. HUNGARY

25. ROMANIA
26. SWEDEN
27. FRANCE
28. SWITZERLAND
29. BELGIUM
ANNUAL % CHANGE IN CYCLIST DEATHS BETWEEN 2003-2013

1. LITHUANIA
2. SLOVAKIA
3. LATVIA
4. HUNGARY
5. POLAND

23. UK
24. AUSTRIA
25. SLOVENIA
26. ROMANIA
27. NORWAY

EU26 average - 5.2%
<table>
<thead>
<tr>
<th>Rank</th>
<th>Country</th>
<th>Pedestrian Deaths per Million Inhabitants</th>
</tr>
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<tbody>
<tr>
<td>1</td>
<td>NETHERLANDS</td>
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<tr>
<td>2</td>
<td>NORWAY</td>
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<td>3</td>
<td>SWEDEN</td>
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<td>4</td>
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<tr>
<td>5</td>
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<td>26</td>
<td>SERBIA</td>
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<tr>
<td>30</td>
<td>ROMANIA</td>
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</tbody>
</table>

EU27 average: 11.7
CYCLIST DEATHS PER MILLION INHABITANTS

1. SPAIN
2. GREECE
3. IRELAND
4. ITALY
5. CYPRUS

25. HUNGARY
26. POLAND
27. NETHERLANDS
28. LITHUANIA
29. SERBIA

EU26 average 4.2
68% OF PEDESTRIANS KILLED IN COLLISIONS WITH A CAR

52% OF CYCLISTS KILLED IN COLLISIONS WITH A CAR
MOST PEDESTRIANS AND CYCLISTS KILLED ON URBAN ROADS

- Urban: 69%
- Rural: 27%
- Motorways: 4%

- Urban: 56%
- Rural: 44%
Best practices from Denmark
Multiple approach in reducing cyclist accidents

• Road engineering: Separation of cyclist and motor vehicles, cycle tracks, redesign of junctions
• Vehicles: Bicycles - brakes and visibility, HGV’s - mirrors
• Speed management in urban areas
• Education and communication: 5th grade cycle test in schools, campaigns for bicycle helmet and risk in junctions
• Police control and enforcement
• Cooperation between authorities, private sector and NGO’s
Example, Best Practice Denmark: Accidents between right turning HGVs and cyclists
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 – pre green for cyclists  
Pilot project with “cycle box”
Vehicles – improvements

New truck designs: Lower position of driver, wind screen and transparent doors
Campaigns and education – cyclists and truck drivers
The key to succes:

Excellent cooperation between authorities, private sector, unions and NGO’s.
WHAT CAN MEMBER STATES DO?

✓ Modal hierarchy based on safety, vulnerability and sustainability

✓ 30 km/h zones in areas with lots of cyclists and pedestrians
WHAT CAN THE EU DO?

✓ Upgrade pedestrian protection tests for new motor vehicle and extend to protect cyclists

✓ Intelligent Speed Assistance and Automated Emergency Braking for new motor vehicles

✓ Improved HGVs cabin design