UNECE

Conference on Hinterland Connections of Seaports

Piraeus 17th-18th September 2008

The SHORT TERM future of HINTERLAND connections

R.Daelman - Freight Director P&O Ferries
The Size of the Problem
Where is the Problem

United Kingdom

Germany

Poland

Italy
EU27 Performance by Mode for Freight Transport
1995 - 2033 (forecast at current 11 year annual averages)

billon tonne-kilometres

Road 1289 1303 1352 1414 1470 1519 1556 1606 1625 1747 1800 1888
Sea 1150 1162 1205 1243 1288 1348 1400 1417 1445 1488 1530 1545
Rail 386 392 409 392 383 401 385 382 391 413 413 435
Inland Waterway 121 118 126 130 127 133 132 132 123 136 138 138

Aug 08

R Daelman Aug 08
PHASE 1 (Short Term)

Create 30% extra motorway capacity through legislative measures that encourage LGV night driving and night delivery opportunities.

- Fuel tax rebates/penalties based on tachograph readings for night driving
- Business rate concessions for warehouses that operate during the night
  - Daytime driving prohibition for LGV around busy Urban areas
  - Complete road TOLL exemption between 22h00 and 04h00
PHASE 1 (Short Term)
REDUCE EMPTY MILEAGE
through better use of TECHNOLOGY

- Improve coordination between various Freight Data Bases
- Encourage use of Freight Data Bases through a penalty system for excessive empty mileage.
- Reducing empty miles will also have a positive effect on demand / price for the precious commodity we call fuel.
Phase 1 (Short Term)

ALLOW LARGER TRUCKS?

Are they practical and will road safety be jeopardised?

A quick and easy way to reduce empty mileage

Encouraging traffic to stay on the road!!
Phase 2 (Medium Term)

Reduce permissible “road distance” in Europe between producer (or port) and end user in phases

<table>
<thead>
<tr>
<th>YEAR</th>
<th>2015</th>
<th>2020</th>
<th>2025</th>
<th>2030</th>
<th>2035</th>
<th>2040</th>
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<tbody>
<tr>
<td>Distance between producer and end user (km)</td>
<td>Minimum % journey via non-road means</td>
<td>Minimum % journey via non-road means</td>
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<td>Minimum % journey via non-road means</td>
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<td>2001-2500</td>
<td>50.00%</td>
<td>55.00%</td>
<td>60.00%</td>
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<td>45.00%</td>
<td>50.00%</td>
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<td>35.00%</td>
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</tbody>
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Such system will encourage or force private industry to:

- re-locate and re-distribute manufacturing base closer to consumer = better balanced traffic flows
- invest in more sea-going options
- invest in scheduled short sea, inland waterway & rail services

Above will require governments to:

- Legislate properly and be determined to enforce new rules
- Invest much more in rail and waterway infrastructure as part of a Pan European project
Hybrid Hovercraft Land/Water use

Cost-effective easy construction

Ground controlled, sun powered airship

Better use of vertical space

Underground conveyor belt network
For mail & smaller consignments

Thinking Outside The BOX

R Daelman Aug 08