



Inland navigation, climate change and possible measures

Henk van Hoorn (Head inland navigation) □□□□□

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Consequences of low water

- Less load capacity
- Higher costs
- Decrease in reliability
- Increase in waiting times at locks
- Shortage of waiting and mooring places

2003 -2005

2003:

- * -5.8% transport volume; -9.9% transport performance on the Rhine
- * 200 million euro damage for inland navigation sector

2005

- 0.8% transport volume; - 1.5% transport performance on the Rhine

Danger of modal shift

A glance at the future

Reference: summer of 2003 – 24 consecutive days of low water (flow less than 1000 m³/s at Lobith)

Dry scenario: more than once per year

Medium scenario: once per 5 years

Measures

- Reduction in greenhouse effect
- Less dependent on depth of water
- Influence over water depth
- Management of information

Measures

- Mitigation and adaptation
- Various uses of river
- Legislative and regulatory requirements
- National policy guidelines