

# Road Safety Audit in Denmark

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Where is  
Denmark ?



Europe

Population: 5.397.640 inhabitants

Area: 43.084 square kilometres

Density: 1.25 per square kilometre

85% of the population lives in towns.

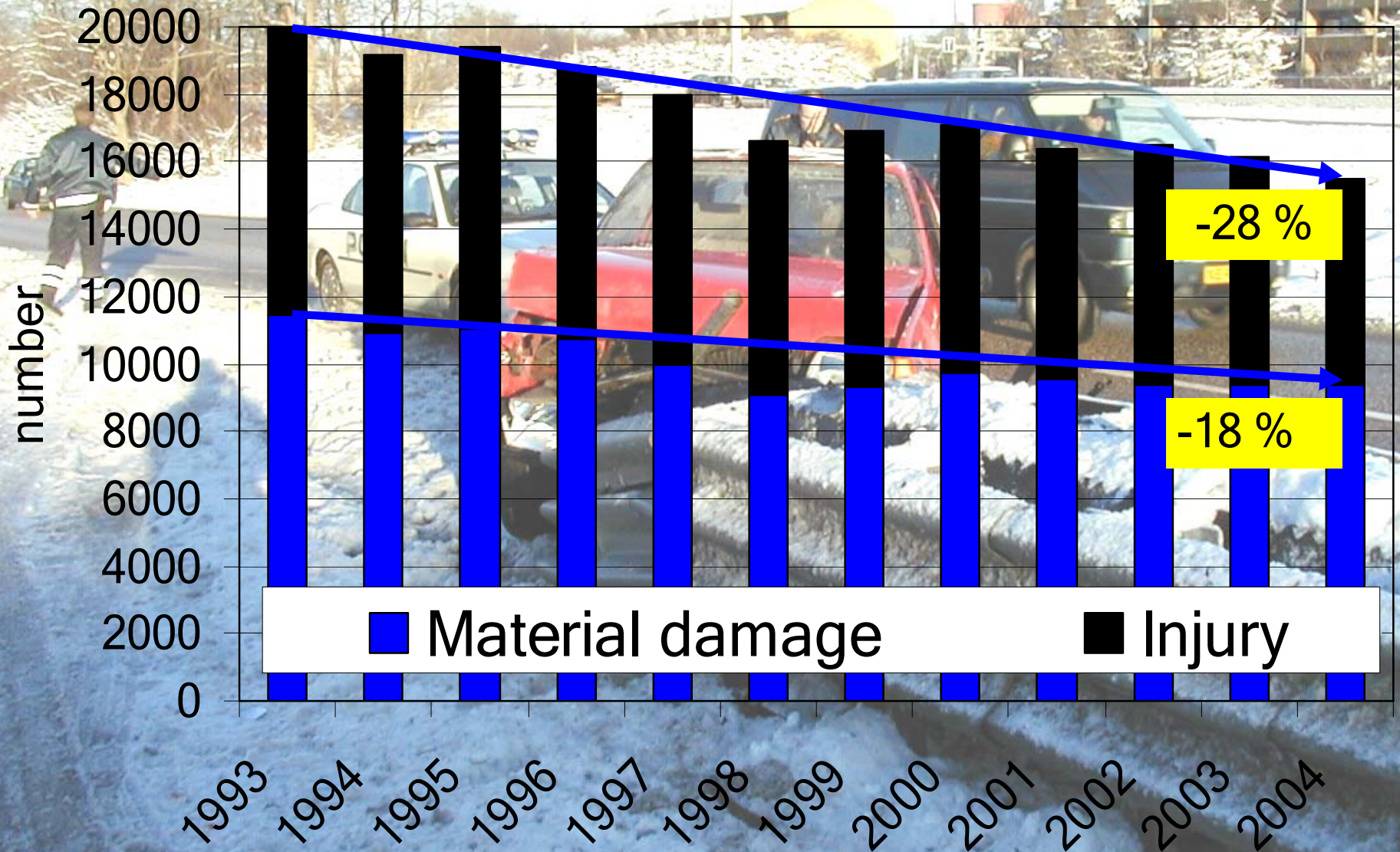
Greater Copenhagen accounts for 1.1 million inhabitants.

Average Life Expectancy: 74.5 years for men and 79.2 for women



# Key Figures

# Road Accidents in Denmark

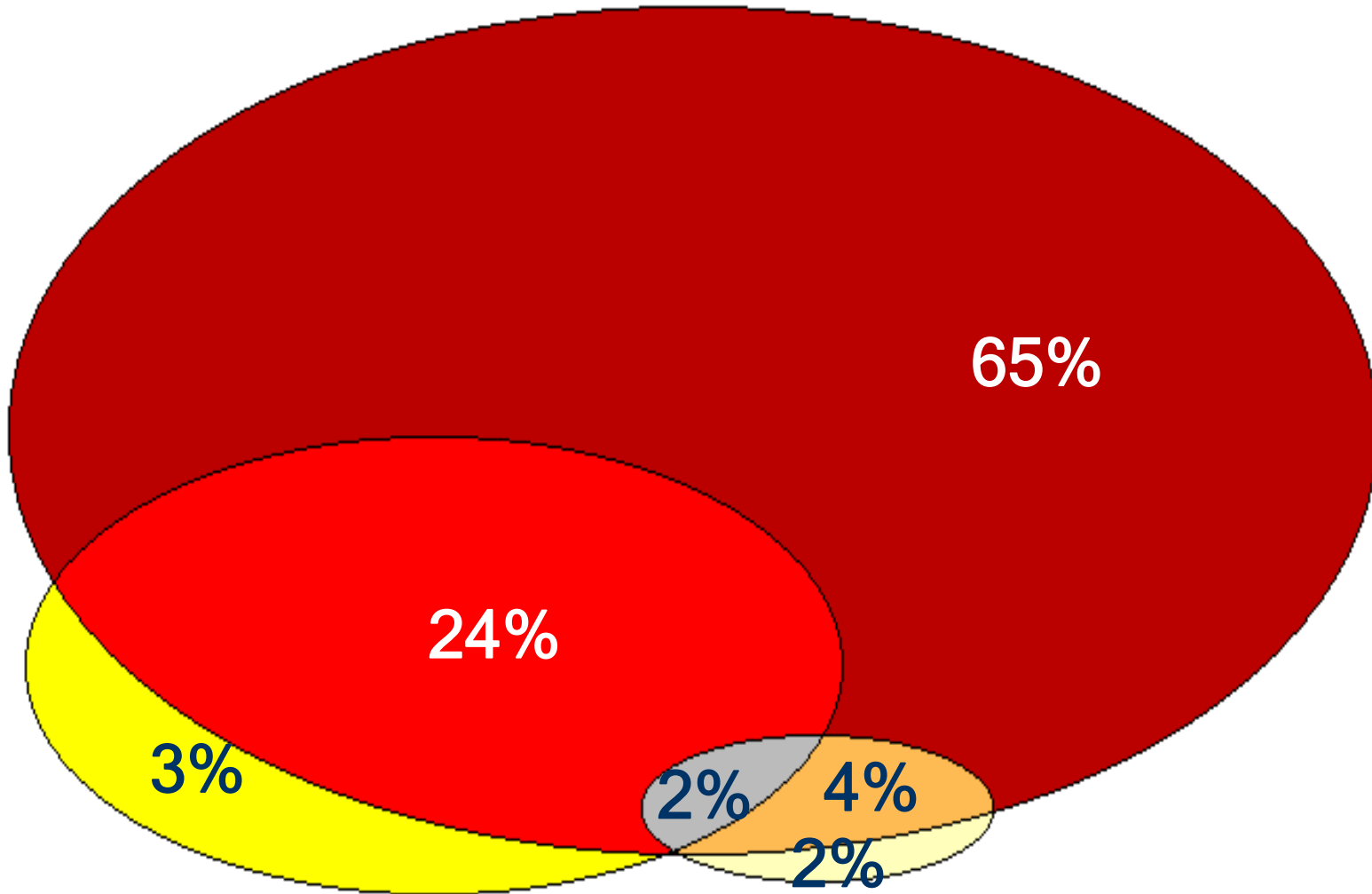


# Accident Factors

Human factors (95%)

Road Environment factors (29%)

Vehicle factors (8%)



# Why Road Safety Audit?

Prevention is better than cure

- All new and reconstructed roads should be as safe as possible



Viggo Vagnby 1959

# What is Road Safety Audit?

## Systematic accident prevention:

- Clearly defined procedure
- Clear organization
- Independent and qualified auditors

# The Safety Audit System

- The General Framework
- The Manual
- The Auditor Education/Certification of Auditors
- A Road Standard Working Group



# Road Safety Audit Stages

Stage 1 - Feasibility/Initial design

Stage 2 - Preliminary design

Stage 3 - Detailed design

Stage 4 - Opening

Stage 5 - Monitoring

Road Safety Inspections on existing roads

# The Manual

Manual of Road  
Safety Audit



Agreement on road safety audit

Audit form

Checklist 1 Stage 1 - initial design

- to be completed by designer

Date

Reply preferably before

O.K. Comments

stage	1	2	3	4	5
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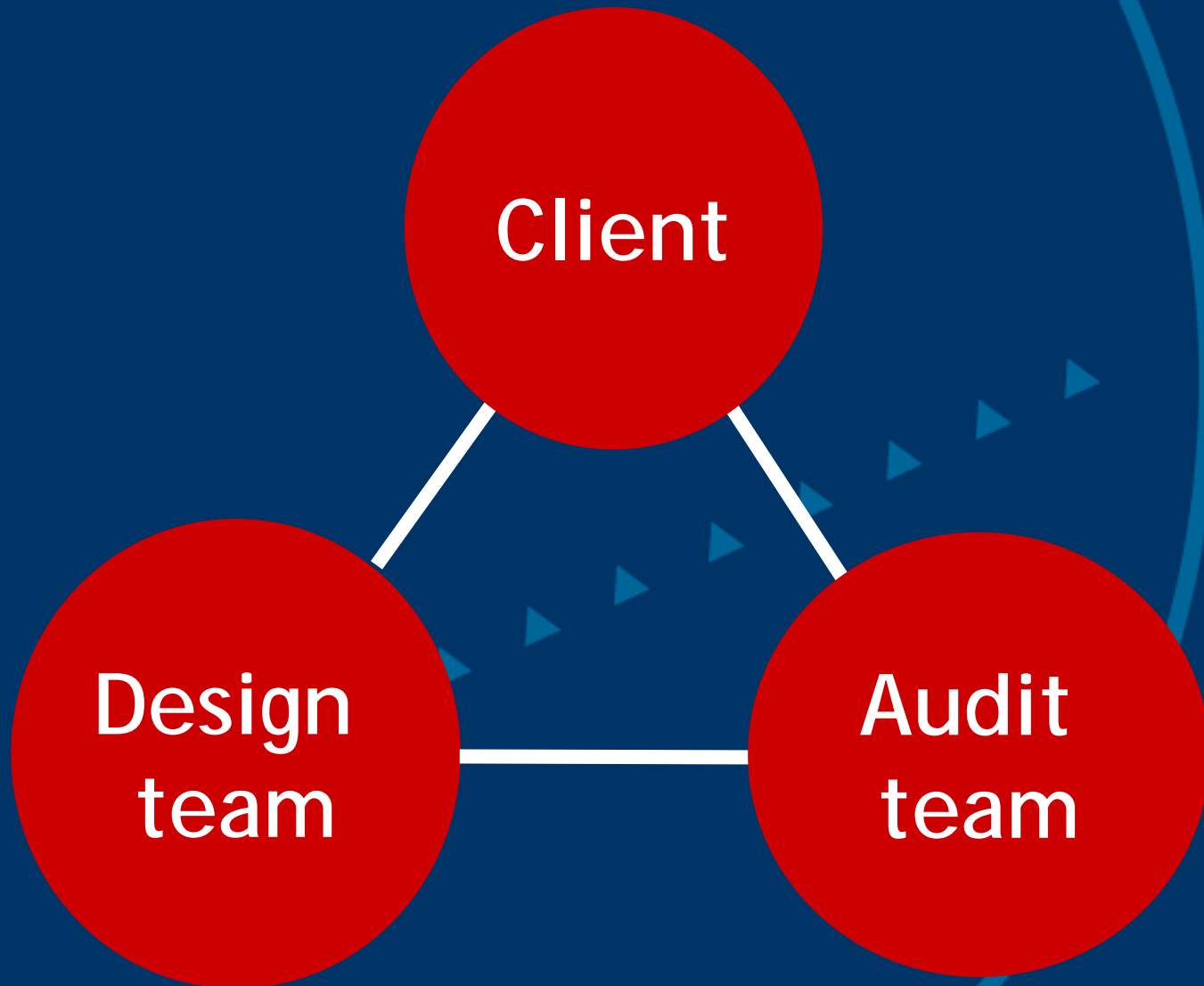
The Manual has been used and translated in 3 regions of China (north-west).

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# Organisation



# The Audit Process

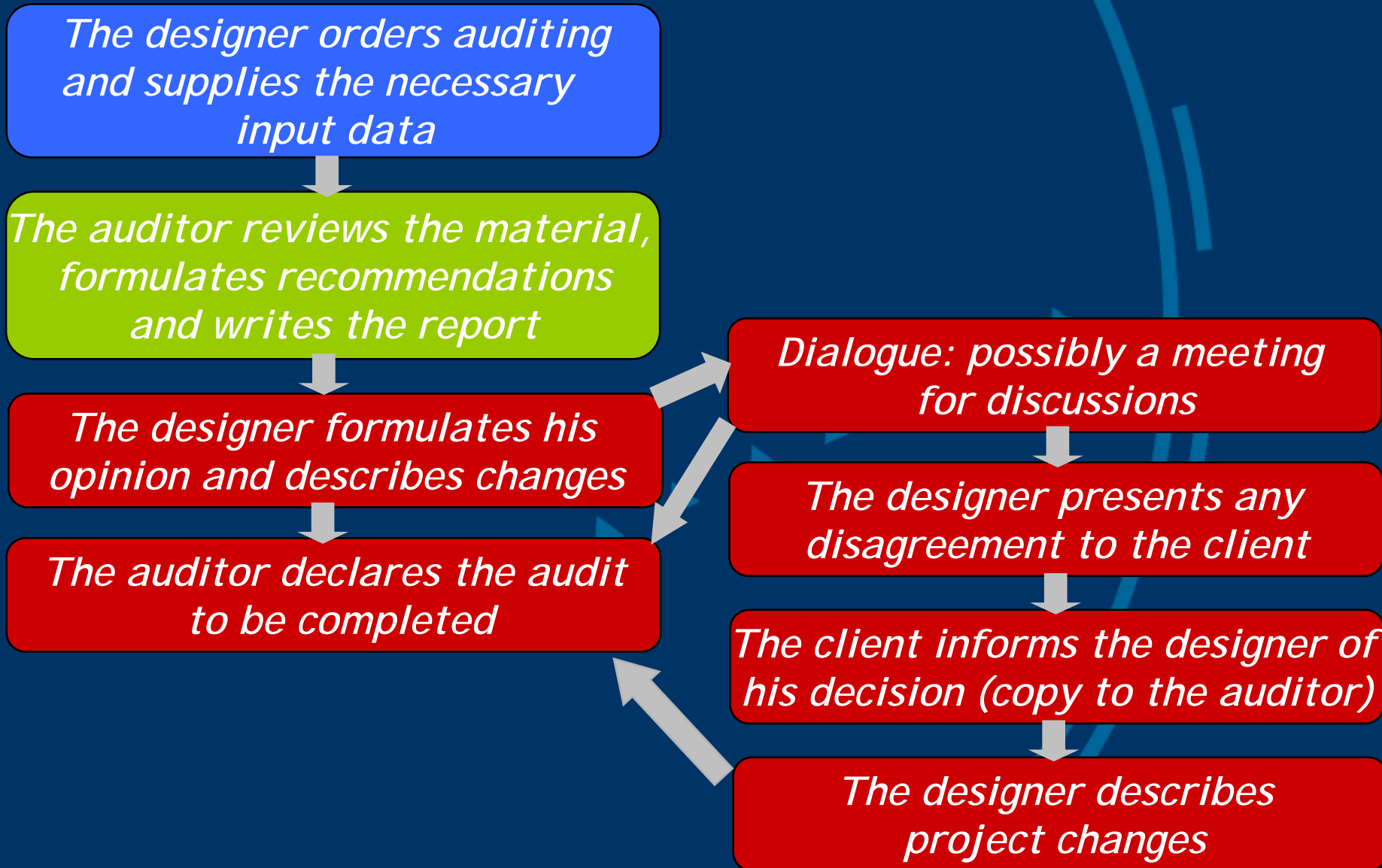
*The designer orders auditing and supplies the necessary input data*

*The auditor reviews, formulates recommendations and writes the report*

*The designer formulates his opinion and describes changes*

*The auditor declares the audit to be completed*

# The Audit Process



# The Auditor Education

- Course under the Road Sector Education Programme with entry test and written examination
- Carried out eight times, latest in March 2005
- 64 trained auditors
- Auditor seminars for follow-up

# New version of the Manual

- Targeted to 'commissioners' and auditors
- Improved system description
- Simplified checklists

More about Road Safety in Denmark at:  
<http://vejdirektoratet.dk>

# THANK YOU!