SafetyNet

The European Road Safety Observatory

WP 2 - Risk Exposure Data

PRAGUE CONFERENCE 10th & 11th MAY 2006

CETE-SO (FR) - DRD (DK) - INRETS (FR) - KfV (AT)
KTI (HU) - LNEC (PT) - NTUA (EL) - SWOV (NL) - TOI (NO)

Project co-financed by the European Commission, Directorate-General Transport & Energy

http://safetynet.swov.nl/
SafetyNet
The European Road Safety Observatory

WP 2 - Risk Exposure Data

PRAGUE CONFERENCE 10th & 11th MAY 2006

CETE-SO (FR) - DRD (DK) - INRETS (FR) - KfV (AT)
KTI (HU) - LNEC (PT) - NTUA (EL) - SWOV (NL) - TOI (NO)

Project co-financed by the European Commission, Directorate-General Transport & Energy

http://safetynet.swov.nl/
SafetyNet
The European Road Safety Observatory

WP 2 - Risk Exposure Data

PRAGUE CONFERENCE 10th & 11th MAY 2006
CETE-SO (FR) - DRD (DK) - INRETS (FR) - KfV (AT)
KTI (HU) - LNEC (PT) - NTUA (EL) - SWOV (NL) - TOI (NO)

Project co-financed by the European Commission, Directorate-General Transport & Energy

http://safetynet.swov.nl/
SafetyNet
The European Road Safety Observatory

WP 2 - Risk Exposure Data

PRAGUE CONFERENCE  10th & 11th MAY 2006
CETE-SO (FR) - DRD (DK) - INRETS (FR) - KfV (AT)
KTI (HU) - LNEC (PT) - NTUA (EL) - SWOV (NL) - TOI (NO)

Project co-financed by the European Commission, Directorate-General Transport & Energy

http://safetynet.swov.nl/
SafetyNet

The European Road Safety Observatory

WP 2 - Risk Exposure Data

PRAGUE CONFERENCE  10th & 11th MAY 2006
CETE-SO (FR) - DRD (DK) - INRETS (FR) - KfV (AT)
KTI (HU) - LNEC (PT) - NTUA (EL) - SWOV (NL) - TOI (NO)

Project co-financed by the European Commission, Directorate-General Transport & Energy

http://safetynet.swov.nl/
SafetyNet

The European Road Safety Observatory

WP 2 - Risk Exposure Data

PRAGUE CONFERENCE  10th & 11th MAY 2006

CETE-SO (FR) - DRD (DK) - INRETS (FR) - KfV (AT)

KTI (HU) - LNEC (PT) - NTUA (EL) - SWOV (NL) - TOI (NO)

Project co-financed by the European Commission, Directorate-General Transport & Energy

http://safetynet.swov.nl/
SafetyNet

The European Road Safety Observatory

WP 2 - Risk Exposure Data

PRAGUE CONFERENCE 10th & 11th MAY 2006

CETE-SO (FR) - DRD (DK) - INRETS (FR) - KfV (AT)
KTI (HU) - LNEC (PT) - NTUA (EL) - **SWOV (NL)** - TOI (NO)

Project co-financed by the European Commission, Directorate-General Transport & Energy

http://safetynet.swov.nl/
SafetyNet
The European Road Safety Observatory

WP 2 - Risk Exposure Data

PRAGUE CONFERENCE  10th & 11th MAY 2006
CETE-SO (FR) - DRD (DK) - INRETS (FR) - KfV (AT)
KTI (HU) - LNEC (PT) - NTUA (EL) - SWOV (NL) - TOI (NO)

Project co-financed by the European Commission, Directorate-General Transport & Energy

http://safetynet.net.swov.nl/
SafetyNet WP2 - Risk Exposure Data
Background

Macroscopic data
- WP 1 CARE Accident Database
- WP 2 RED Risk-Exposure Data
- WP 3 SPI Safety Performance Indicators

In-depth data
- WP 4 Independent Accident Investigation Recommendations
- WP 5 In-depth Accident and Injury Causation databank

Data application
- WP 6 EU Safety Information system
- WP 7 Data analysis and synthesis
<table>
<thead>
<tr>
<th>CETE</th>
<th>INRETS (FR)</th>
<th>DRD (DK)</th>
<th>KfV (AT)</th>
<th>KTI (HU)</th>
<th>LNEC (PT)</th>
<th>NTUA (EL)</th>
<th>SWOV (NL)</th>
<th>TOI (NO)</th>
</tr>
</thead>
<tbody>
<tr>
<td>FR</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>DK</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>AT</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>HU</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>PT</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>EL</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>NL</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>NO</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>UK</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>EE</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>DE</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>CZ</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>ES</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>IT</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>BE</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>FI</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>IRL</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>LT</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>PL</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>SK</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>CY</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>LU</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>SE</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>CH</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>LV</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>SI</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>MT</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
Why the Risk Exposure Data?

- RED use makes possible to analyse traffic safety indicators in terms of risk level and probability comparisons between the EU Member States.
Why the Risk Exposure Data?

- RED use makes possible to analyse traffic safety indicators in terms of risk level and probability comparisons between the EU Member States.
Why the Risk Exposure Data?

- RED use makes possible to analyse traffic safety indicators in terms of risk level and probability comparisons between the EU Member States.

## Accident Data

**Level of Risk** = ____________________________

**Risk Exposure Data**
Why the Risk Exposure Data?

- RED use makes possible to analyse traffic safety indicators in terms of risk level and probability comparisons between the EU Member States.

**Accident Data**

**Level of Risk** = -------------------------------------

**Risk Exposure Data**

- Road length
- Veh x Km
...
WP2 Objectives

- Collect information enabling the assessment of the RED availability and comparability over the Member States
- Comparison with Accident data to evaluate the risk across the E.U.
- Recommendations and guidelines for data collection and proceeding
- Test of the RED with the CARE data over 2 or 3 countries

WP2 Methodology

- Develop a common framework and format to collect and store RED from the Member States
- Support to Member States to improve their RED collection and use
- Link from the RED to the CARE accident database and to undertake applications at a european level
- **RED delivery**: According to the council Ministers of the 5th June 2003, the data should be sent by each Member States to the Commission.

- **Common RED framework** will be used to make comparisons possible, in accordance with CARE, the European accident database.

- **RED recording**: Just as collected by the Member States.

- **RED Transformation rules and aggregations** will be used to obtain risk exposure comparisons between the Member States.
SafetyNet WP2 - Risk Exposure Data

WP2 Working group

- CARE
  27 Governmental Correspondents

+ SafetyNet WP2 Consortium

Member states
SafetyNet WP2 - Risk Exposure Data

WP2 Working group

CARE 27 Governmental Correspondents

+ SafetyNet WP2 Consortium

Member states

TASK 2.1 RED State of the Art (NTUA)
SafetyNet WP2 - Risk Exposure Data

WP2 Working group

- CARE
  27 Governmental Correspondents

- SafetyNet WP2 Consortium

**TASK 2.1**
RED State of the Art (NTUA)

**TASK 2.2**
RED Availability and comparability (SWOV)

Member states
SafetyNet WP2 - Risk Exposure Data

WP2 Working group

CARE
27 Governmental Correspondents

SafetyNet WP2 Consortium

Member states

TASK 2.1
RED State of the Art (NTUA)

TASK 2.2
RED Availability and comparability (SWOV)

TASK 2.3
RED Guidelines and assistance (CETE-SO)
SafetyNet WP2 - Risk Exposure Data

WP2 Working group

Member states + SafetyNet WP2 Consortium

- TASK 2.1 RED State of the Art (NTUA)
- TASK 2.2 RED Availability and comparability (SWOV)
- TASK 2.3 RED Guidelines and assistance (CETE-SO)
- TASK 2.4 RED Tests with CARE (CETE-SO)

CARE 27 Governmental Correspondents
SafetyNet WP2 - Risk Exposure Data

WP2 Working group

- CARE
  27 Governmental Correspondents
- SafetyNet
  WP2 Consortium

- TASK 2.1
  RED State of the Art (NTUA)
- TASK 2.2
  RED Availability and comparability (SWOV)
- TASK 2.3
  RED Guidelines and assistance (CETE)
- TASK 2.4
  RED Tests with CARE (CETE)

Member states
SafetyNet WP2 - Risk Exposure Data

WP2 Working group

Member states

CARE
27 Governmental Correspondents

SafetyNet WP2 Consortium

TASK 2.1
RED State of the Art (NTUA)

TASK 2.2
RED Availability and comparability (SWOV)

TASK 2.3
RED Guidelines and assistance (CETE)

TASK 2.4
RED Tests with CARE (CETE)
SafetyNet WP2 - Risk Exposure Data

WP2 Working group

Member states

CARE
27 Governmental Correspondents

SafetyNet WP2 Consortium

TASK 2.1
RED State of the Art (NTUA)

TASK 2.2
RED Availability and comparability (SWOV)

TASK 2.3
RED Guidelines and assistance (CETE)

TASK 2.4
RED Tests with CARE (CETE)

WP2 Working group

CARE
27 Governmental Correspondents

SafetyNet WP2 Consortium

Member states
SafetyNet WP2 - Risk Exposure Data

WP2 Working group

Member states

CARE
27 Governmental Correspondents

SafetyNet WP2 Consortium

TASK 2.1
RED State
of the Art

2.1.1
Bibliography

2.1.2
Inquiry
EUROSTAT
ECMT IRTAD

Deliverable 2.1.1
“State-of-the-Art” Report

TASK 2.2
RED Availability and comparability

2.2.1
Establishment/dispatch of RED questionnaire

2.2.2
Analysis and report of RED questionnaire

2.2.3
Establishment of a common RED framework

Deliverable 2.2.1
RED Questionnaire

Deliverable 2.2.2
RED Common framework and format
SafetyNet WP2 - Risk Exposure Data

WP2 Working group

Member states

CARE
27 Governmental Correspondents

SafetyNet WP2 Consortium

TASK 2.1
RED State of the Art

2.1.1 Bibliography

2.1.2 Inquiry
EUROSTAT
ECMT IRTAD

Deliverable 2.1.1
"State-of-the-Art" Report

TASK 2.2
RED Availability and comparability

2.2.1 Establishment/dispatch of RED questionnaire

2.2.2 Analysis and report of RED questionnaire

2.2.3 Establishment of a common RED framework

Deliverable 2.2.1
RED Questionnaire

Deliverable 2.2.2
RED Common framework and format

SafetyNet WP2 Consortium

27 Governmental Correspondents

SafetyNet WP2 - Risk Exposure Data

WP2 Working group

- Member states
- CARE
  27 Governmental Correspondents
- SafetyNet WP2 Consortium

TASK 2.1
RED State of the Art
  - 2.1.1 Bibliography
  - 2.1.2 Inquiry
    EUROSTAT
    ECMT
    IRTAD

Deliverable 2.1.1
"State-of-the-Art" Report

TASK 2.2
RED Availability and comparability
  - 2.2.1 Establishment/dispatch
    of RED questionnaire
  - 2.2.2 Analysis and report of
    RED questionnaire
  - 2.2.3 Establishment of a
    common RED framework

Deliverable 2.2.1
RED Questionnaire

Deliverable 2.2.2
RED
Common framework and format
SafetyNet WP2 - Risk Exposure Data

WP2 Working group

CARE
27 Governmental Correspondents

SafetyNet
WP2 Consortium

Member states

TASK 2.1
RED State of the Art

2.1.1 Bibliography
2.1.2 Inquiry EUROSTAT ECMT IRTAD

Deliverable 2.1.1
“State-of-the-Art” Report

TASK 2.2
RED Availability and comparability

2.2.1 Establishment/dispatch of RED questionnaire
2.2.2 Analysis and report of RED questionnaire
2.2.3 Establishment of a common RED framework

Deliverable 2.2.1
RED Questionnaire
Deliverable 2.2.2
RED Common framework and format

TASK 2.3
RED Guidelines and Assistance

2.3.1 Guidelines in accordance with CARE
2.3.2 Assistance to the countries needing help

Deliverable 2.3.1
Status Report
Subtask 2.3.1 Guidelines concerning the description of the RED in accordance with the common framework applicable to the CARE database.

Subtask 2.3.2 Special assistance to Member States needing help to collect and manage comparable RED within the common framework.

Deliverable 2.3.1 will be a “Status Report” related to:

- The assessment of the gaps
- The creation of the guidelines
- The evaluation of the assistance provided and to be provided in the future
Subtask 2.4.1 Checking of the RED provided by 2 or 3 Member States according to the common framework and format (deliverable 2.2.2).

Subtask 2.4.2 Data processing of the RED and CARE over a subset of comparable countries

Subtask 2.4.3 Analysis of results and assessment of the added value provided by the RED.

Deliverable 2.4 Report concerning the RED data processing and result analysis by using RED with CARE.
SafetyNet WP2 - Risk Exposure Data
Contribution to ERSO

E. U. Member States

Accident Data

CARE
(Accident database)
SafetyNet WP2 - Risk Exposure Data
Contribution to ERSO

E. U. Member States

European Road Safety Observatory

Accident Data

CARE (Accident database)

Risk Exposure Data

SafetyNet Commission website (CIRCA) (Exposure database)
SafetyNet WP2 - Risk Exposure Data Contribution to ERSO

E. U. Member States

Accident Data

CARE
(Accident database)

European Road Safety Observatory

EUROSTAT
(and other international organizations)

Risk Exposure Data

SafetyNet Commission website (CIRCA)
(Exposure database)