Consolidating road safety data and knowledge to support decision making in Europe

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Need for an assembly of useful data/information to support road safety decision making
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- Facilitate policy making at EU and national level
- Support the road safety analyses, country overviews, country benchmarking
- Make available to the wide public a wide range of road safety data assisting any type of road safety activity

Data and Information collected and organised in a way to allow for their combined processing.
Methodology

- Processing of all data and knowledge took place within the Dacota EU co-funded research project (2010-2012)

- These results are regularly updated and are also published at the European Road Safety Observatory of the European Commission (www.erso.eu).

- Data used in this research were extracted from:
  - the CARE database of the European Commission with disaggregate data on road fatalities,
  - in-depth road accident investigation surveys carried out within the SafetyNet EU-co-funded research project (2004-2008)
National Knowledge

• Road safety programs
  • Data on basic road safety programs in
  • 29 European countries

• Road safety measures
  • 655 safety measures identified for
  • 34 different measures sub-categories

• Traffic rules
  • 46 different traffic rules into 4 main groups
  • for all 29 European Countries

• Road user behaviour/attitude
  • Issues related to driver behaviour (self-reported): Speeding, Drink driving, etc.
  • Attitudes towards risk taking regarding: Alcohol and drugs, Speeding, etc.

• Road accident cost
National Data - Dacota Master Tables

- **Road accident data**
  - 73 road accident elements from existing CARE variables and values.

- **Risk-Exposure data**
  - 73 Risk-Exposure elements on population, vehicle fleet, motorization level, person-kms, vehicle-kms, etc.

- **Safety Performance Indicators**
  - 39 elements related to SPI on alcohol and drugs, protective systems, speeding, enforcement, DRL and vehicle safety.

- **Accident Causation Indicators**
  - Harmonised in-depth data for 1006 cases in 6 EU countries collected in SafetyNet.

- **Health Indicators**
  - Indicators based on hospital data from the Health IDB
DaCoTA Master Tables

- Comprehensive Tables for all types of national data and information.
- 263 data elements identified and filled-n for 30 European countries.
- Verification by national experts.
**Meta-data**

- Meta data: background information necessary for properly using the data.
- Collection of all related meta-data (sources, information, definitions, data quality and reliability, processes, etc.).
- 21 main elements for each type of collected data.
Basic Fact Sheets

- 17 BFSs with data for the decade 1999-2008.
  - Main Figures
  - Motorcycles & Mopeds
  - Junctions
  - Children (aged <15)
  - Car occupants
  - Young People (aged 18-24)
  - Heavy Goods Vehicles & Buses
  - The Elderly (aged >65)
  - Motorways
  - Highlights of interesting issues.
  - In-depth accident causation data & maps.

DOWNLOAD IT NOW
http://www.europa.eu.int/comm/transport/care/studies
Annual Statistical Report

- Data of 27 European countries for the period 1999-2008.

- Selection of basic characteristics of fatal road accidents.

- 56 Tables and 29 figures with the most interesting combination of road accident data.

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DaCoTA Pilot System

A web-based information system (Dacota Pilot System) is developed, in which all knowledge and data produced within the Dacota project are organised and presented through a user-friendly interface:

- Statistics (crash, exposure, RSPI, etc.)
- Interactive Statistics
- Knowledge (syntheses)
- Tools (forecasts, country overviews/benchmarking)
- Links (more than 1000 stakeholders in Europe)

After the test phase, this pilot system will be incorporated at the European Road Safety Observatory.
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