A COMPARATIVE ANALYSIS OF NATIONAL AND INTERNATIONAL OFFICIAL PUBLICATIONS FOR ROAD ACCIDENT STATISTICS

by

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SAFETY AND OTHER RELATED UNITS

• accident absolute numbers (no of fatal, serious/slight injury accidents, etc.),

• casualties absolute numbers (no of killed, seriously/slightly injured, etc.),

• other absolute numbers (no of drivers, vehicles, infringements, etc.),

• data from other data bases (population, vehicles, vehicle-kilometres, etc.),

• risk exposure indices (accidents/killed/injured per population/vehicles, etc.),

• severity indices (killed per accident/casualties, etc.),

• percentages - ratios (accident category percentages, growth, average, etc.).
ACCIDENT DATA CATEGORIES

- **general information** (hour, day, month, etc.)

- **road user** (road user type, age, sex, seat belt use, alcohol influence, etc.)

- **road environment** (road type/class/surface/condition, intersection, etc.)

- **vehicle** (vehicle type/use/nationality, etc.)

- **accident** (accident type, collision type, etc.)

- **cross-combinations of the above groups** (road user type by road class, etc.)
THE RESULTS

• Road accidents data collection - elaboration process is a purely national matter

• EU-level road accident analysis is limited by the data collected and the restrictions of the collection system used in each EU state

• National road accidents data collection-elaboration processes present significant differences among them, therefore convergence perspectives face important difficulties

• Basic problem is the lack of uniformity of the definitions and data used in each EU Member-State
RECOMMENDATIONS

• A common definition at European Union level for a number of road safety concepts

• The collection of a minimum of common basic information in all member states of the European Union

• The realisation of pan-european analysis reports and publications

• The establishment of links with other additional data in order to allow the use of a number of risk exposure factors

• The development of a EU disaggregate data base
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