

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

by

Dr J. FRANTZESKAKIS, Dr J. GOLIAS, Dr G. YANNIS

Department of Transportation Planning and Engineering
of the National Technical University of Athens

OECD - Special IRTAD Seminar
Helsinki, 11-13/9/1995

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

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

by

Dr J. FRANTZESKAKIS, Dr J. GOLIAS, Dr G. YANNIS
Department of Transportation Planning and Engineering
of the National Technical University of Athens

OECD - Special IRTAD Seminar
Helsinki, 11-13/9/1995