

- Comparison of Southern European countries/regions Portugal - Greece - Spain/Catalonia (as territory)
- · Importance of Safety Performance Indicators (SPI)
- Drinking & driving was 1 of 7 case studies
- Analysis based on similar study originally done for the SUN countries (Sweden - UK - Netherlands)

1^{et} Component: Investigation of Official Countermeasures Offence legal definitions - Police powers/rights - Sanctions

2nd Component: Estimation of drinking & driving extent Drivers over limit in fatal

3rd Component: success/failure factors The role of enforcement &

- Identification of key-factors deserving further analysis
- Possible estimation of future savings due to policies

- Utilisation of the SARTRE project dealing with SPI
- Drivers appear to under-report drinking & driving
- SARTRE 2 (1997): probability to be tested between 5.5% in Greece & 10% in Spain to 16% in Portugal
- SARTRE 3 (2004): drivers actually tested in past 3 years in the range 16-20% for the 3 countries

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- · Portugal applied the strictest sanctions early ng of the prob
- Greece introduced a notably stricter Road Traffic Code (2007) reflecting in part social consensus
- Recidivism-facing framework under revision

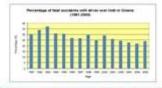
Relevant data are originally (at the spot) gathered by the Traffic Police and undated with medical records

Alcohol in fatal accidents may only be detected in Portugal & Greece

The Blood Alcohol Concentrate (BAC) of killed drivers is only available in about 1/3 of all recorded cases

Great effort is put by means of funding and know-how so as to equire & better utilize equipmen

Extent of the problem Presence in fatal accidents





- •Figures are partly reliable, due to the large proportion of unknown cases
- •In Portugal killed drivers over limit are estimated at 27-28% (2002-2005)

•Greece exhibits progress in terms of drivers over limit in fatal accidents

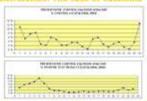
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- Certain Central-European countries exhibit notable reduction of drink-driving-related road accident
- *Few countries reveal negative trends
- •Rather often other factors contrib more to the reduction of all fatalit

- Greece exhibits a 6-fold increase in a 6-year period, approaching EU recommendation (1 test / 2.5 cars)
- Portugal data reveal earlier action to deal with the problem
- . Spain provides data that are not directly applicable in this analysis



- . There is great variation within 24hrs
- Around 5 am positive tests reach 10% of total (4% in Netherlands)
- 4% (an upper threshold suggested in EU by the EuroCare report-2003) is exceeded between 1-6:30 am
- Control is reasonably intensified at night to prevent drink-driving

- •NTUA analysis involving multilevel models with data between 1998-2002
- •Critical parameters: urbanisation & road safety compliance in history
- *Less urbanised more road safety compliant regions are an easy target
- •Enforcement alone is not enough; rationalisation of checks is necessary

- About 1800 drink-drive related fatalities in the 3 countries (2003)
- Estimate for Greece; saving of 230 lives annually (from 1996 to 2003)
- Large potential in all regions
- Enforcement to be rationalised Sanctions to be truly imposed
- Further research in terms of other projects, e.g. Safety Net)