



NTUA Road Safety Update - February 2016

National Technical University of Athens
Road Safety Update
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European Commission - Infographics on Traffic Safety Facts & Figures 2015

New **Infographics with key traffic safety facts and figures** were recently published at the European Road Safety Observatory (ERSO) of the DG Move Road Safety Unit of the European Commission, with the active contribution of NTUA, KfV and ERF. These Infographics are based on the respective **Basic Traffic Safety Facts 2015** published at the ERSO, containing a comprehensive series of statistical tables with the latest available data from the CARE database of the European Commission. These Infographics concern the following key traffic safety topics in relation to the Road Users (Children, Young people (18-24), Youngsters (15-17), Elderly (aged >64), Gender Pedestrians, Cyclists, Motorcycles and Mopeds, Car occupants, Heavy Goods Vehicles and Buses), the Road Infrastructure (Motorways, Junctions, Urban areas, Roads outside urban areas) and the Accident Circumstances (Seasonality, Single vehicle accidents). [LINK](#)

European Commission - Road Safety Country Overview for Greece 2015

A comprehensive **Overview of Road Safety in Greece 2015** has been recently published at the European Road Safety Observatory (ERSO) of the DG Move Road Safety Unit of the European Commission, with the active contribution of NTUA, KfV and ERF. This Overview is part of the 2015 Edition of the EU Road Safety Country Overviews recently published at ERSO, based on most recent disaggregate data from the CARE Database as well as on structured information gathered from the EU Member States. At this Overview a comprehensive picture of Road Safety in Greece is provided covering the road safety structure and culture, the related measures and programmes, some safety performance indicators, the road casualties figures and the related social costs. From this Overview, the impressive road fatalities decrease of almost 50% since 2009 is clearly depicted, together with all the strengths and weakness for the further improvement of road safety in Greece. [LINK](#)

GRSP New Advocacy Resource Centre 2016

The Global Road Safety Partnership (GRSP) has recently launched a key new web resource centre to support advocacy efforts specifically for road safety policies and implementation. The new Advocacy Resource Centre is a **one-stop resource for organizations campaigning for road safety policies or policy implementation**. It features over 800 pieces of content, which have been specifically collated and created to be useful for both road safety organizations and other organizations that may be interested in addressing road safety. The Advocacy Resource Centre also holds a comprehensive **Advocacy Toolkit**, which is a nine-part comprehensive guide detailing all aspects of constructing a successful advocacy campaign, focusing specifically on road safety. [LINK](#)

PIARC Road Tunnels Manual 2016

The World Road Association (PIARC) has recently launched the updated electronic encyclopedia called 'Road Tunnels Manual' focusing exclusively on **all the aspects linked to the use of road tunnels** (geometry, tunnel equipment and maintenance, operations, safety, environment). The PIARC Road Tunnels Manual comprises two principal parts: the part 'Transverse aspects' containing 5 chapters and considering general aspects of road tunnels and the part 'Operational and Safety Requirements' containing 4 chapters and addressing particular elements of tunnels taking these requirements into consideration. The Manual ends with a Glossary which describes 200 terms and definitions translated into twenty languages. PIARC Road Tunnel Manual is available in 10 languages. [LINK](#)

The Ultimate Guide to Road Safety Apps 2016

Personal Injury Claim has launched its **Ultimate Guide to Road Safety Apps**, an online guide that looks at the main areas of road safety where smartphone apps are available to **promote safer driving through the use of apps**. While smartphones often act as distractions and can actually cause collisions, they can also reduce the level of risk through specific applications. [LINK](#)

ETSC new film on Intelligent Speed Assistance 2016

The European Transport Safety Council (ETSC) has released a new film that makes the case for making **overridable Intelligent Speed Assistance (ISA) a standard feature on all new vehicles in Europe**. The five-minute video has been launched as the European Commission continues work on the development of the next generation of vehicle safety standards, expected to be launched later this year. A major study published last year by the European Commission found that Intelligent Speed Assistance (ISA) is one of several new vehicle technologies which are now suitable for mandatory fitting on new cars as they are 'feasible in terms of the technology required', already available on the market and offer a positive benefit-cost ratio. [LINK](#)

ETSC Safe & Sober campaign workshop, Athens 2016

A Workshop to promote the ETSC campaign 'Safe & Sober' organised by the Road Safety Institute 'Panos Mylonas', the Hellenic Institute of Transportation Engineers and the Ministry of Infrastructure, Transport and Networks together with the European Transport Safety Council (ETSC) will take place on **21 March 2016 in Athens**. The objective of the Safe and Sober campaign is to raise awareness amongst policy makers, the private sector and key opinion leaders of the need for a systemic approach to reducing alcohol misuse in road transport, especially in poorly-performing EU Member States, with particular focus to measures like the use of alcohol interlocks, enforcement, the BAC limit and how to target novice drivers. [LINK](#)

Road Safety & Tourism in Peloponnese 2016

A Workshop on Road Safety and Tourism in Peloponnese, organised by the Hellenic Institute of Regional Engineers, will take place on **19 March 2016, in Vrachati Corinthias, Greece**. The aim of this workshop is to emphasize on the necessity of regional level planning for road safety, with particular focus to touristic periods and related vulnerable road users and tourist industry professionals. [LINK](#)

5th International Cycling Safety Conference, Bologna 2016

The 5th International Cycling Safety Conference (ICSC2016) organised by SWOV, TU Delft, TNO and Chalmers, will take place on **3-4 November 2016 in Bologna, Italy**. The conference invites contributions on new developments, approaches and knowledge in the areas of cycling safety. [LINK](#)
Topics for the conference include: Human factors - Safety-related behaviors and attitudes - Bicycle accident causation - Bicycle accident prevention - Active safety systems - Medical aspects of bicycle accidents - Cyclists' injury prevention - Cycling infrastructures - Cycling education - Naturalistic cycling - Interaction between cyclists and cars/trucks - Helmet use - Cyclists' impairment, distraction and inattention - Bicycle engineering including intelligent technology - Safe cycling in cities.

Road Safety for the International Business Traveler - Gothenburg 2016

A Road Safety Conference for the International Business Traveler, organised by the Department of Public Health, University of Gothenburg in cooperation with the World Bank Group (WBG) and the Vehicle and Traffic Safety Center at Chalmers (SAFER) will take place in **Gothenburg, on 30 May 2016**. The aim of the conference is to review road safety from the aspects of the quality of roads, cars, and drivers with a focus on developing countries, and to discuss corporate travel policies and how they can be tailored to avoid collisions and serious injuries among business travelers. [LINK](#)

Investigation of driver's behaviour using vehicle diagnostics 2015

A Diploma Thesis titled 'Investigation of driver's behaviour using vehicle diagnostics' was presented by Eustratios Saplaouras in November 2015. The aim of this Diploma Thesis is to investigate the driver's behavior through the on-board diagnostics of the vehicle. A large data set was exploited, which were recorded per second and concerned the exact position of the vehicle, its speed, the spots where the driver was performing a sudden change of speed or a sudden maneuver, the fuel consumption, etc. Mathematical statistical models were developed using linear and binary logistic regression. The **results demonstrated a strong correlation between over-speeding and driver harsh behavior**, although the two dimensions are disproportionate, as well as the occurrence of higher driving speeds during risky hours (00:00-04:00). [DOI](#)

Attitudes of Greek drivers with focus on mobile phone use while driving - 2015

A paper titled 'Attitudes of Greek drivers with focus on mobile phone use while driving' co-authored by George Yannis, Athanasios Theofilatos and Paraskevi Marinou is now published in Traffic Injury Prevention. The research is based on the data of the pan-European SARTRE 4 survey, which was conducted on a representative sample of Greek drivers in 2011. Analysis of the drivers' behavior was carried out by the statistical methods of factor and cluster analysis. According to the results of factor analysis, Greek drivers' responses in the selected questions were summarized into 4 factors, describing road behavior and accident involvement probability as well as their views on issues concerning other drivers' road behaviors, fatigued driving, enforcement of road safety, and mobile phone use while driving. The results of cluster analysis indicated **5 different groups of Greek drivers - the moderate, the optimistic, the conservative, the risky, and the reasonably cautious** - and the characteristics of each group were identified. These results may be useful for the appropriate design of targeted road safety campaigns and other countermeasures. [DOI](#)

This Road Safety Update aims to support frequently the Greek and the International Road Safety Community with current key road safety knowledge and data, which is gathered, analysed and organised within the research activities of the Department of Transportation Planning and Engineering of the National Technical University of Athens.
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About NRSO

The mission of the NTUA Road Safety Observatory (www.nrso.ntua.gr) is to support the Greek and the International Road Safety Community with current key road safety knowledge and data, which are gathered, analysed and organised within the research activities of the Department of Transportation Planning and Engineering of the School of Civil Engineering of the National Technical University of Athens, as well as within co-operations with various national and international road safety organisations.
The NTUA Road Safety Observatory has been developed within the framework of two European Union co-funded research projects, namely SAFETYNET - Development of the European Road Safety Observatory (2004-2009) and DACOTA - Road Safety Data Collection, Transfer and Analysis (2010-2012), with Scientific Responsible for NTUA, Professor George Yannis.