

NTUA Road Safety Update - September 2014



European Commission - CARE Viewer & Road Safety Atlas 2014

A new application 'The Road Safety Atlas' has been recently released by the Road Safety Unit of the European Commission, exploiting data from the CARE database, the EU database with disaggregate data. It is an application openly available with several **detailed thematic maps on road fatalities** and extended background data available, including statistics per country and comparisons between countries. The application is available on desktop computers, laptop, mobile phones and tablets. [LINK](#)

DEKRA - Map of Towns Without Road Fatalities 2014

The DEKRA Vision Zero is an **interactive map showing European cities and towns that achieve a total zero in road fatalities**. An assessment of the accident statistics for 17 European countries from 2009 to 2012 by DEKRA Accident Research shows that a total of 462 towns and cities with over 50,000 inhabitants achieved a total of zero at least once in this period. The interactive map shows not only the 17 countries originally examined but is constantly being expanded and updated using further data as it becomes available. [LINK](#)

Three towns in Greece are among these 462 European cities with zero fatalities: Kalamaria and Neapoli-Sykies (Thessaloniki suburbs) and Zografou (Athens suburbs).

Eurostat-ITF-UNECE - Illustrated Glossary for Transport Statistics 2014

The fourth edition of the Glossary for Transport Statistics is now published by the ITF, Eurostat and UNECE. The Glossary for Transport Statistics was published for the first time in 1994 with the purpose of assisting member countries during the collection of data on transport using the Common Questionnaire developed by the UNECE, ITF and Eurostat. It now comprises **735 definitions and represents a point of reference for all those involved in transport statistics**. [LINK](#)

IMMA - A Global Approach for Safer Motorcycling 2014

'A Global Approach for Safer Motorcycling' has recently been published by the International Motorcycle Manufacturers Association (IMMA). This Report updates and replaces the IMMA motorcycle safety document 'HHRT – Headlight, Helmet, Road Surface and Training' published in 2010. The key principles in HHRT still apply, but the new Report includes a selection of **global best practices for policy makers' consideration** and implies a wider perspective on sustainable road safety – the position of the Powered Two Wheeler (PTW) in society, its economic contribution, how PTWs are used and how infrastructure can be developed to support rider safety. [LINK](#)

A review of the effect of traffic and weather characteristics on road safety - 2014

A paper titled 'A review of the effect of traffic and weather characteristics on road safety' co-authored by Athanasios Theofilatos and George Yannis is now published in Accident Analysis & Prevention. Taking into consideration the increasing availability of real-time traffic data and stimulated by the importance of proactive safety management, this paper attempts to provide a review of the effect of traffic and weather characteristics on road safety, identify the gaps and discuss the needs for further research. Despite the existence of generally mixed evidence on the effect of traffic parameters, a few patterns can be observed. For instance, traffic flow seems to have a non-linear relationship with accident rates, even though some studies suggest linear relationship with accidents. On the other hand, increased speed limits have found to have a straightforward positive relationship with accident occurrence. Regarding weather effects, the effect of precipitation is quite consistent and leads generally to increased accident frequency but does not seem to have a consistent effect on severity. The impact of other weather parameters on safety, such as visibility, wind speed and temperature is not found straightforward so far. The **increasing use of real-time data not only makes easier to identify the safety impact of traffic and weather characteristics, but most importantly makes possible the identification of their combined effect**. The more systematic use of these real-time data may address several of the research gaps identified in this research. [DOI](#)

ITF Distracted Driving and Sleepiness Seminar - Paris 2014

A Seminar on the Impact of Distracted Driving and Sleepiness on Road Safety, organised by the International Transport Forum, took place in Paris on 15 April 2014, during the Transport Research Arena Conference. The objectives of the Seminar were to discuss latest research work in ITF countries to better understand the **impact of distraction and fatigue on driving performance** and road safety and identify measures that can help in the short and longer term in mitigating the effects on crash occurrence. The Seminar involved key stakeholders, including researchers, policy advisors, industry, police, user associations to highlight latest knowledge on these emerging road safety issues, and discuss forthcoming developments in regulation, vehicle and IT technology that have an impact on distraction and fatigue. All presentations are now available. [LINK](#)

ROSEE - SENSOR Final Conference - Ljubljana 2014

The Conference "Road Safety: risk mapping, infrastructures and behaviour" organised by the projects ROSEE and SENSOR in the framework of the South East Europe transnational cooperation programme (SEE), took place in Ljubljana on 25 September 2014. All results achieved by both ROSEE and SENSOR projects were presented. This conference was a precious opportunity to get updated and discuss with international experts about the major Road Safety issues faced in the South East Region both from Road Safety Audit and Inspections to road users' behaviour perspectives. [LINK](#)

NTUA presentation concerned 'Proposals for Road Safety Investments and Interventions in South East Europe'

OMICS - Alzheimer's Disease and Dementia Conference Valencia 2014

The 2nd International Conference on Alzheimer's Disease and Dementia, organised by OMICS Group International took place in Valencia on 23-25 September 2014. The Conference aimed at bringing together the professors, researchers, and students in all areas of Alzheimer's Disease & Dementia and to provide an international forum for the dissemination of original research results, new ideas and practical development experiences which concentrate on both theory and practices, with a special session on Geriatrics, Care Practice and **Cognitive Disorder including impact on driving performance**. [LINK](#)

NTUA presentation concerned 'Speed and accident rates in MCI and mild AD patients: preliminary results from a large driving simulation experiment'

Workshop on Road Safety and Road Accidents - Kalamata 2014

A Workshop titled "Road Safety – Road Accidents" organized by the Police Department of Kalamata took place on September 17th, at the Cultural Center of Kalamata, within the framework of the European Mobility Week (16-22 September 2014). This event aimed to **increase road safety awareness of the local communities** given that road accident causes are known and can be prevented. More than 150 people attended the Workshop including local and regional representatives, police officials and other road safety stakeholders.

Panagiotis Papanoniu, NTUA research engineer and PhD Candidate presented key policies and specific measures to reduce road accidents at the Messinia Region. [LINK](#)

NTUA - Road Safety Workshop - Athens 2014

A Road Safety Workshop is organised by the Department of Transportation Planning and Engineering of NTUA in the framework of the ROSEE project of the South East Europe transnational cooperation programme (SEE) in **Athens, on 2 October 2014**. Results achieved within the ROSEE project will be presented in combination with valuable input from the members of the Greek National Advisory Group which was implemented within the project. This workshop is a great opportunity for knowledge exchange between the various Greek road safety stakeholders on key Road Safety issues in Greece and in the South East European Region in relation to road safety policies, road infrastructure safety and road user behaviour.

The Workshop will take place at the Department of Transportation Planning and Engineering in the NTUA campus with the following programme. [LINK](#)

6th Pan-hellenic Road Safety Conference, Athens 2015

The National Technical University of Athens (NTUA) and the Hellenic Institute of Transportation Engineers are organising the 6th Pan-hellenic Conference on Road Safety, which will take place in **Athens, on 12-13 March 2015**. The main objectives of the conference are to explore and assess the level of road safety in the country and the efforts and innovations implemented to improve the road safety of drivers, vehicles and pedestrians in Greece. The deadline for full paper submission is on 7 November 2014. [LINK](#)

UNECE - Regional Road Safety Workshop - Belgrade 2014

A regional Road Safety Workshop, organised by the United Nations Economic Commission for Europe (UNECE), the Government of the Republic of Serbia (Ministry of Construction, Traffic and Infrastructure (MCTI), the Road Traffic Safety Agency (RTSA) and the Regional Cooperation Council (RCC) in partnership with the South-East Europe Transport Observatory (SEETO), will take place in **Belgrade on 15-16 October 2014**. The workshop will bring together a wide range of road safety stakeholders and interested parties from the public and private sectors, including decision makers, planning authorities, and international organizations. The Workshop will focus primarily on good practices and experiences on Road Safety Management in South-East Europe and the Western Balkans. [LINK](#)

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.