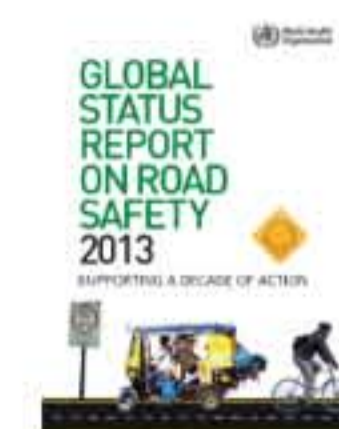




NTUA Road Safety Update - March 2013



WHO Global Status Report on Road Safety 2013



The World Health Organization (WHO) released the Global Status Report on Road Safety 2013, which highlights that road traffic injuries are a global health and development problem. This Status Report presents information on road safety from 182 countries, accounting for almost 99% of the world's population. It indicates that worldwide the total number of road traffic deaths remains unacceptably high at **1.24 million per year**. [LINK](#)

This WHO Global Status Report is accompanied by detailed background road safety data and information for in the 182 WHO countries:

- World Road Safety Basic Data

- Global Road Safety Infographics
- Road Safety Country Profiles
- European Road Safety Facts

EU Reports lowest ever road deaths number in 2012



The European Commission has published road fatalities statistics based on provisional data for 2012 showing that road fatalities across the EU have decreased by 9% in 2012. According to these statistics, 2012 saw **the lowest number of people killed in road traffic** in EU countries since the first data were collected.

Country by country statistics show that the number of road deaths still varies greatly across the EU, from around 30 (UK, Sweden, the Netherlands and Denmark) to more than 90 (Latvia, Romania, Poland and Greece) deaths per million inhabitants. [LINK](#)

In the respective accompanying European Commission Road Safety Vademecum, the basic safety trends, statistics and challenges in the EU 2011-2012 are highlighted. [LINK](#)

White Roads Conference 2013



The European Union Road Federation and the Spanish Road Association presented on March 20th, 2013 in Brussels, the final results of the White Roads Project, the cumulative effort of 3 years of work. The underlying philosophy behind the WhiteRoads Project is to create positive approach to road safety and focus on zero fatality roads, as opposed to the traditional practice of focusing on black spots. In total, **982 EU WhiteSpots** have been identified representing 40% over the total TEN-T road network and after analysing 85,418 Kms of roads and 248,158 accidents in the EU. The main challenge was the collection and analysis of data and statistics from 27 member states. [LINK](#)

NTUA Associate Professor George Yannis presented "Improving data & statistics in road safety: EU perspective" [P.](#)

HITE-IOAS Road Safety Workshop 2013



The Hellenic Institute of Transportation Engineers (HITE) and the Road Safety Institute "Panos Mylonas" (IOAS) organised a Workshop on Road Safety which took place in Athens on 19th March 2013. The workshop was organised under the framework of **6th Road Safety Week** together with numerous activities and events all over Greece.

NTUA presentation concerned "The position of the Hellenic Institute of Transportation Engineers on Road Safety" [P.](#)

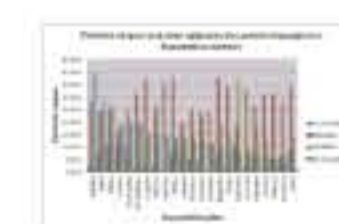
Road safety performance indicators for the interurban road network 2012



A paper titled 'Road safety performance indicators for the interurban road network' co-authored by G.Yannis, W.Weijermars, V.Gitelman, M.Vis, A.Chaziris, E.Papadimitriou and Azevedo C. is published in the Accident Analysis and Prevention Journal. This paper presents a theoretical concept for the determination of this SPI as well as a translation of this theory into a practical method. Also, the method is applied in a number of pilot countries namely the Netherlands, Portugal, Greece and Israel. The results show that **the SPI could be efficiently calculated in all countries**,

despite some differences in the data sources. In general, the calculated overall SPI scores were realistic and ranged from 81 to 94%, with the exception of Greece where the SPI was relatively lower (67%). [DOI](#)

Multilevel analysis of road accident characteristics in urban areas in Europe 2013



A Diploma Thesis titled 'Multilevel analysis of road accident characteristics in urban areas in Europe' was presented by Eleftheria Choustoulaki in March 2013. For this analysis a database was developed containing, road fatalities, characteristics of the driver, the road environment and the vehicle, GDP per capita, population in urban areas and vehicle fleet for 24 European countries for the year 2009. The results led to

the conclusion that the use of hierarchical data structures and nested data structures, for data concerning accident in urban areas of Europe is necessary for the correct estimation of the parameters impact. From the second level analysis a differentiation in the number of fatalities in the various European urban areas was found, depending on the specific characteristics of these areas. Moreover the application of these models led to the **identification of the impact of various parameters such as weather conditions, vehicle type, fatality age** on the number of fatalities in the various urban areas of the European countries. [P.](#)

5th European Road Safety Day: Pedestrian Safety 2013



During the 5th European Road Safety Day on May 6th, 2013 organised by the European Commission, a conference with theme **"Pedestrian Safety: Vulnerable Road Users in Urban Areas"** will be held in Brussels. At the

conference, road safety experts and representatives of some major road-safety organisations will come together to:

- explore the roles and risks of the main road user groups,
- address the specific challenges of improving road safety in the urban areas,
- arrive at proposals of best practices and concrete, realistic solutions including new technologies with life-saving potential. [LINK](#)

IRTAD Better Safety Data Conference 2013



The International Transport Forum (ITF) and the Iberoamerican Road Safety Observatory organise a conference on Better safety data for better road safety outcomes. The conference will take place in **Buenos Aires on 13-14 November 2013**. This Conference is the first joint event between the International Traffic Safety Data and Analysis Group (IRTAD) and the Iberoamerican Road Safety Observatory (OISEVI) and it will focus on data improvement and quality as the best ally in the development of road safety strategies, as well as data analysis in IRTAD, OISEVI and other countries. The deadline for the submission of abstracts is on April 8th, 2013. [LINK](#)

Transport Research Arena 2014



The Transport Research Arena 2014 (TRA 2014) will take place in **Paris on 14-17 April 2014**. TRA 2014 is the major conference on transport research in Europe, supported by the European Commission, the Conference of European Road Directors, and the three European Technology Platforms: the European Road Transport Research Advisory Council (ERTRAC), the European Rail Research Advisory Council (ERRAC),

and the WATERBORNE TP. The conference topics will address the main challenges in transport and mobility of people and goods, with respect to energy, environment, safety and security and economy issues. The deadline for abstract submission is March 29, 2013. [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 is 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.