



IRF^{WORLD} ROAD STATISTICS 2017

DATA 2010 - 2015

Athens Regional Workshop

On setting up road safety reliable, harmonized and comparable
data collection system and sharing at regional level

Athens, 8-10 May 2018

Related projects' and initiatives: IRF World Road Statistics

Dr. Cristian Gonzalez
IRF Director for Statistics





INTERNATIONAL ROAD FEDERATION
FEDERATION ROUTIERE INTERNATIONALE

About the IRF

Not-for-profit organisation - Established in 1948
Representing the road infrastructure sector
Status at the UN Ecosoc since 1951

Our vision:

A world of **safe**, **sustainable** and **efficient** roads and road networks

Our mission:

To promote the development of roads and road networks that enable access and sustainable mobility for all

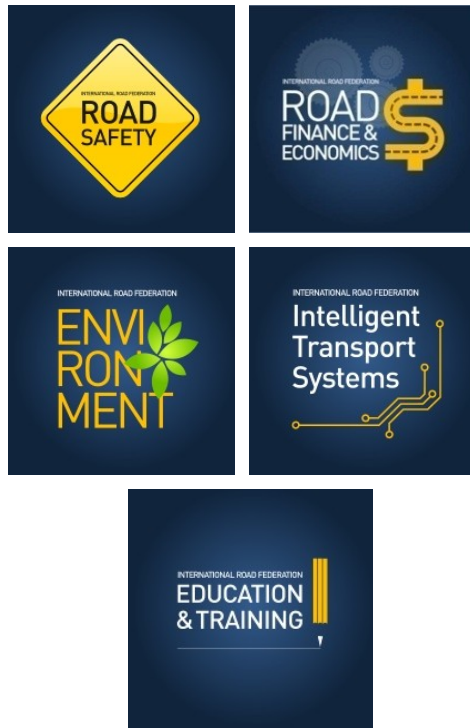
Better roads, better world



INTERNATIONAL ROAD FEDERATION

FEDERATION ROUTIERE INTERNATIONALE

Focus Areas



Work on Road Safety





IRF's flagship product: World Road Statistics



- The only comprehensive source of data for inland road, traffic and transport sectors
- Edited yearly since 1964
- More than 205 countries, 45 indicators, 9 sections
- Data collected from primary statistical sources (Ministries, Road Authorities, National Statistical Offices)
- Definitions based on the Glossary of Transport Statistics (ITF/EUROSTAT/UNECE) and The World Bank
- Data used by Governments, Investment & Development Banks, Public & Private Companies, Research Institutes & Universities, NGOs, International Organizations, etc.
- This annual publication has been a painstaking, enduring and a successful example of international collaboration and statistical discipline



INTERNATIONAL ROAD FEDERATION
FEDERATION ROUTIERE INTERNATIONALE

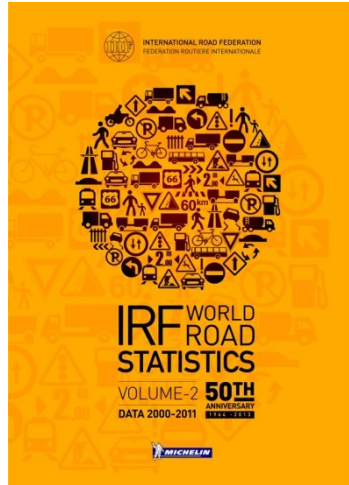
IRF World Road Statistics

CONTENTS

- Country profiles
- Road networks
- Road traffic
- Multimodal traffic comparisons
- Vehicles in use
- Road accidents
- Production, imports, first registrations and exports of motor vehicles
- Road expenditures
- Energy



Better roads, better world



Testimonials WRS 50th Anniversary

- *The World Bank Group*
- *Organization of the Petroleum Exporting Countries, OPEC*
- *United Nations Economic Commission for Europe, UNECE*
- *United Nations Road Safety Collaboration, UNRSC*
- *American Association of State Highway and Transportation Officials, AASHTO*
- *Indian Ministry of Road Transport & Highways, MoRTH*
- *International Road Transport Union, IRU*
- *International Energy Agency, IEA*
- *OECD/International Transport Forum*
- *Australian Road Research Board, ARRB Group*
- *Roads Australia*



What about road accidents in the African & Mediterranean regions?
almost **4.5** and **2.3** times than reported data!
highest gap in the world

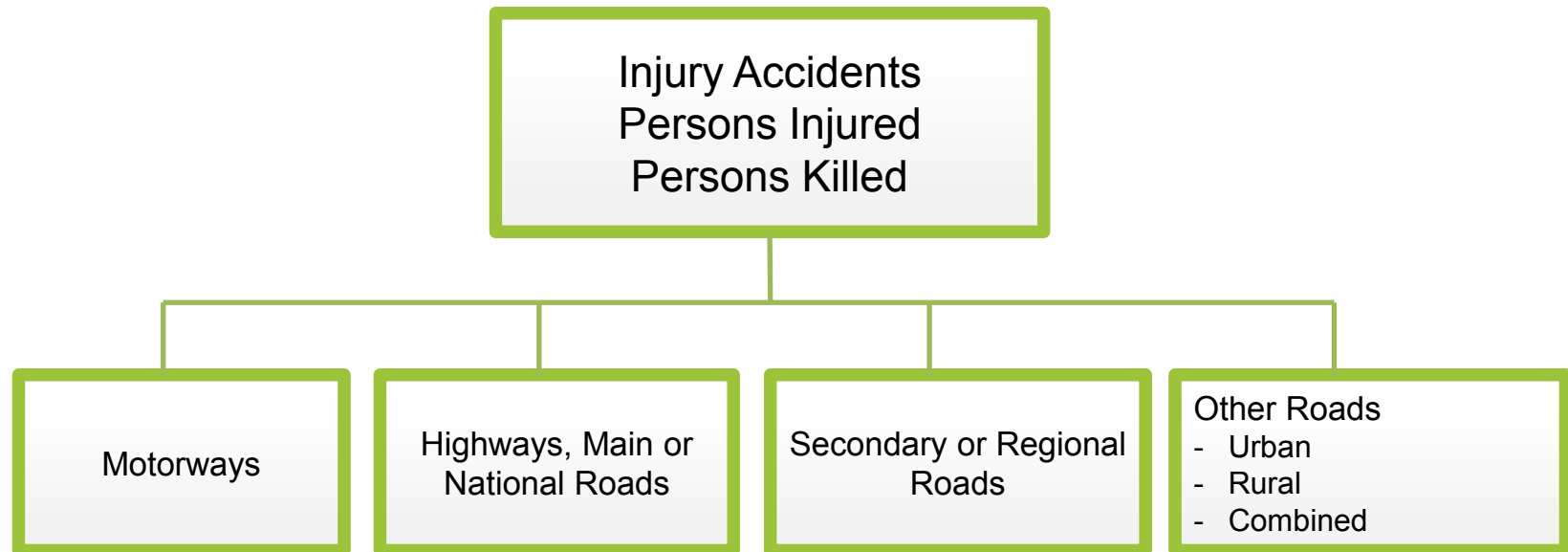
WHO REGION	REPORTED DATA ^a		MODELLED DATA ^a	
	<i>n</i>	RATE PER 100 000 POPULATION	<i>n</i>	RATE PER 100 000 POPULATION
AFRICAN REGION	52 302	7.2	234 768	32.2
REGION OF THE AMERICAS	139 466	15.5	142 252	15.8
SOUTH-EAST ASIA REGION	143 977	8.4	285 020	16.6
EASTERN MEDITERRANEAN REGION	76 912	14.1	175 668	32.2
EUROPEAN REGION	113 346	12.8	117 997	13.4
WESTERN PACIFIC REGION	135 316	7.6	278 321	15.6
GLOBAL	661 319	10.1	1 234 026	18.8

^a Adjusted for 30-day definition.

Source: WHO Global Status Report on Road Safety 2009, Data 2008



WRS Questionnaire – Road Accidents section



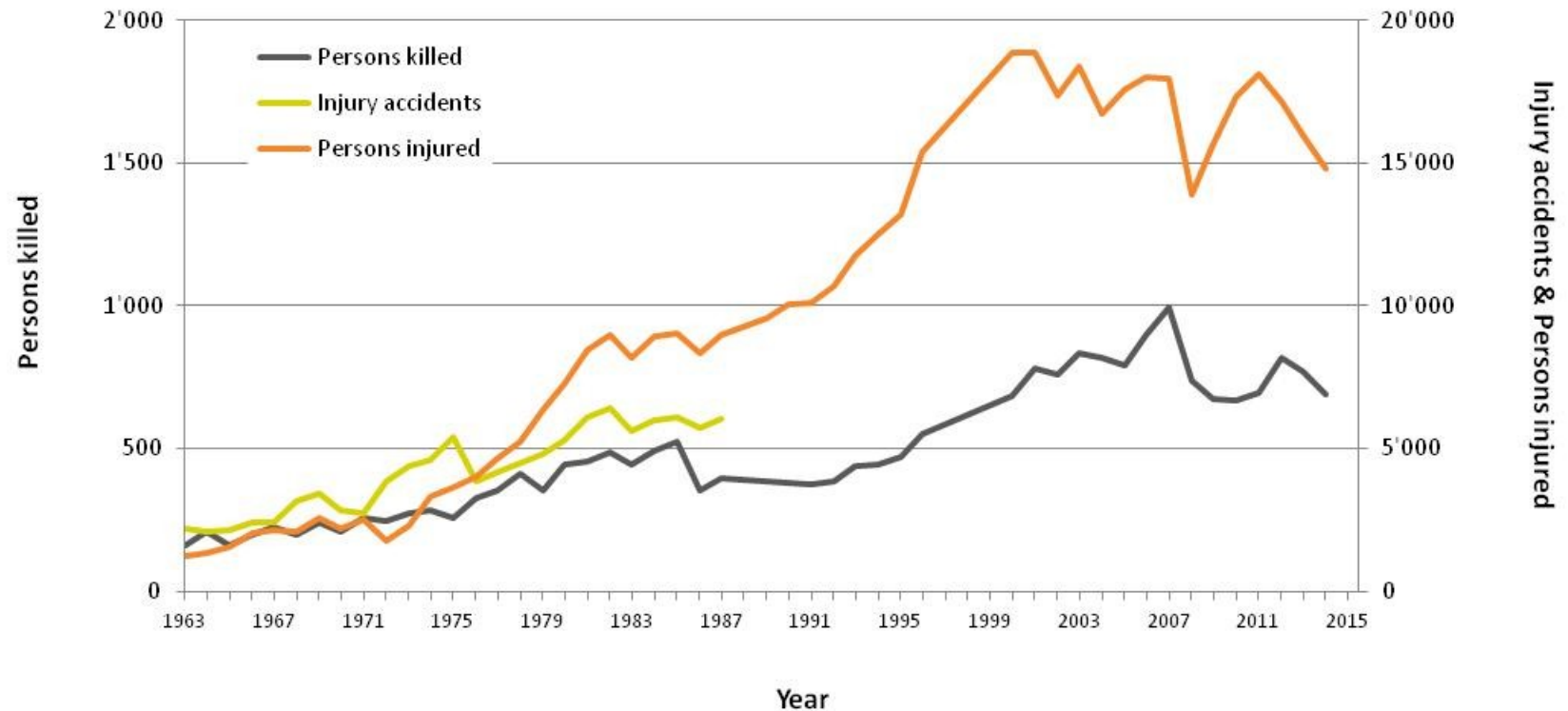
Plus data on RS earmarked funding, national RS Auditors, definition road death, proportion males/females



INTERNATIONAL ROAD FEDERATION

FEDERATION ROUTIERE INTERNATIONALE

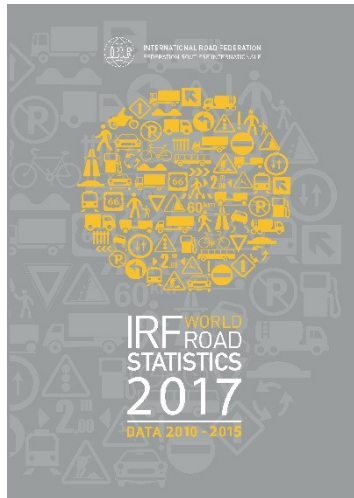
Trends in road accidents in Jordan



Better roads, better world



Methodology WRS



- **Annual survey** via questionnaire in four different languages (English, French, Spanish and Russian)
- The data collected is **complemented** by using national statistics from **secondary sources** such as official yearbooks
- **Data is checked** in several ways; comparisons with data from various sources, with historical data, reconciling the definitions and unit of measurement of indicators, questionable data, updates, feedback from sources, consistency across countries and over time



INTERNATIONAL ROAD FEDERATION
FEDERATION ROUTIERE INTERNATIONALE

Data collection & tool for police crash traffic (RADaR)



An innovative and scientific data collection and reporting system designed as an application for Android tablet with connectivity to web-based database server



INTERNATIONAL ROAD FEDERATION

FEDERATION ROUTIERE INTERNATIONALE



Data recorded through menu-driven touch screen - RADaR

1. Accident identification
2. Information on persons involved, site layout, collision type and road characteristics
3. Information on vehicles/passengers/pedestrians involved in accident
4. Location on Google map, GPS coordinates of accident location and photographs of accident scene
5. Recording collision diagram on layout of accident site; also saving data in tablet memory or send to web-based server
6. Facility to search previous data or export data



Issues in data collection in African and Eastern Mediterranean countries

- Road safety data is NOT considered as a **priority**
- Little **coordination** between agencies/authorities
- Lack of **skills & training**, lack of **tools**, lack of a **solid process**
- Not homogenous use of **definitions**
- No **centralized** data centre in country, region, continent
- No allocated **funding**
- Very little attention to **rural roads**

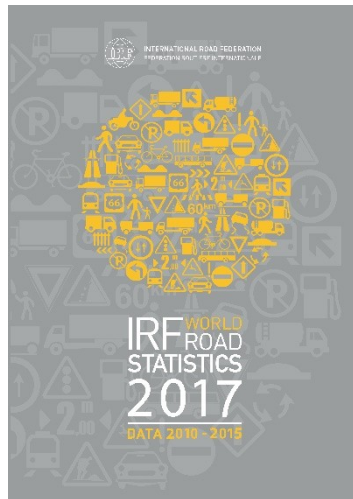


Recommendations

- Increase **awareness** : Why are DATA important?
- **Prioritize RS data**: it is as relevant as other type of statistics (Economics, Census, Tourism, Health,....)
- Create a thorough **process** by also clarifying competences and responsibilities
- Enforce the establishment of legal **adjudications**
- Ensure a **coordination mechanism** between the different stakeholders and agencies
- Give adequate **training** and **technology/tools**
- Ensure proper **financial resources**
- Create a RS **central data repository**



INTERNATIONAL ROAD FEDERATION
FEDERATION ROUTIERE INTERNATIONALE



Thank you for your attention

Contact us at stats@irfnet.ch



Better roads, better world