



**ESCWA regional workshop on road safety management in the Arab
countries, Beirut, 27-28 November 2018**

**Improving road crash data
collection systems and data sharing
in the EuroMed region**

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- EU funded in the context of **European Neighbourhood Instrument (ENI) – South**

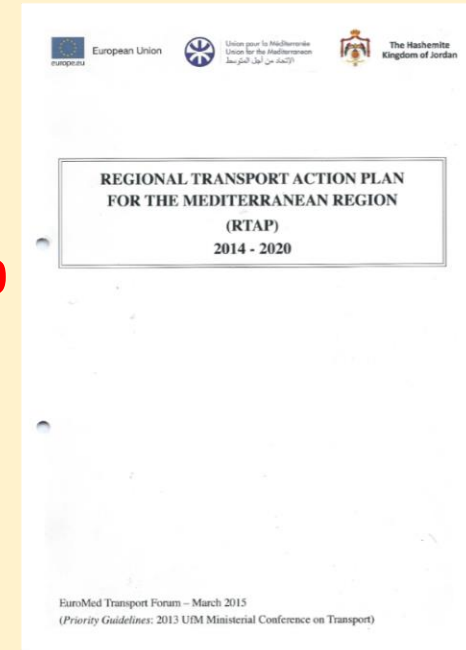


- Assist the creation of an **integrated transport** system in the Mediterranean
- **Duration:** January 2017 to December 2022
- Continuation of ***EuroMed RRU Project 2012-2016***





- **Creation of integrated transport system based in two pillars:**
 - **(1) Infrastructure:** Mapping & building the Trans-Mediterranean Transport Network (TMN-T)
 - **(2) Regulatory convergence and harmonization**
- This project **assists on regulatory convergence**
- **Supporting Southern Mediterranean Partner Countries implement the regulatory aspects of the RTAP 2014-2020** on Actions:
 - **Action 8:** Efficient land transport systems;
 - **Action 9:** International land transport haulage;
 - **Action 10: Road safety;**
 - **Action 11:** Urban transport

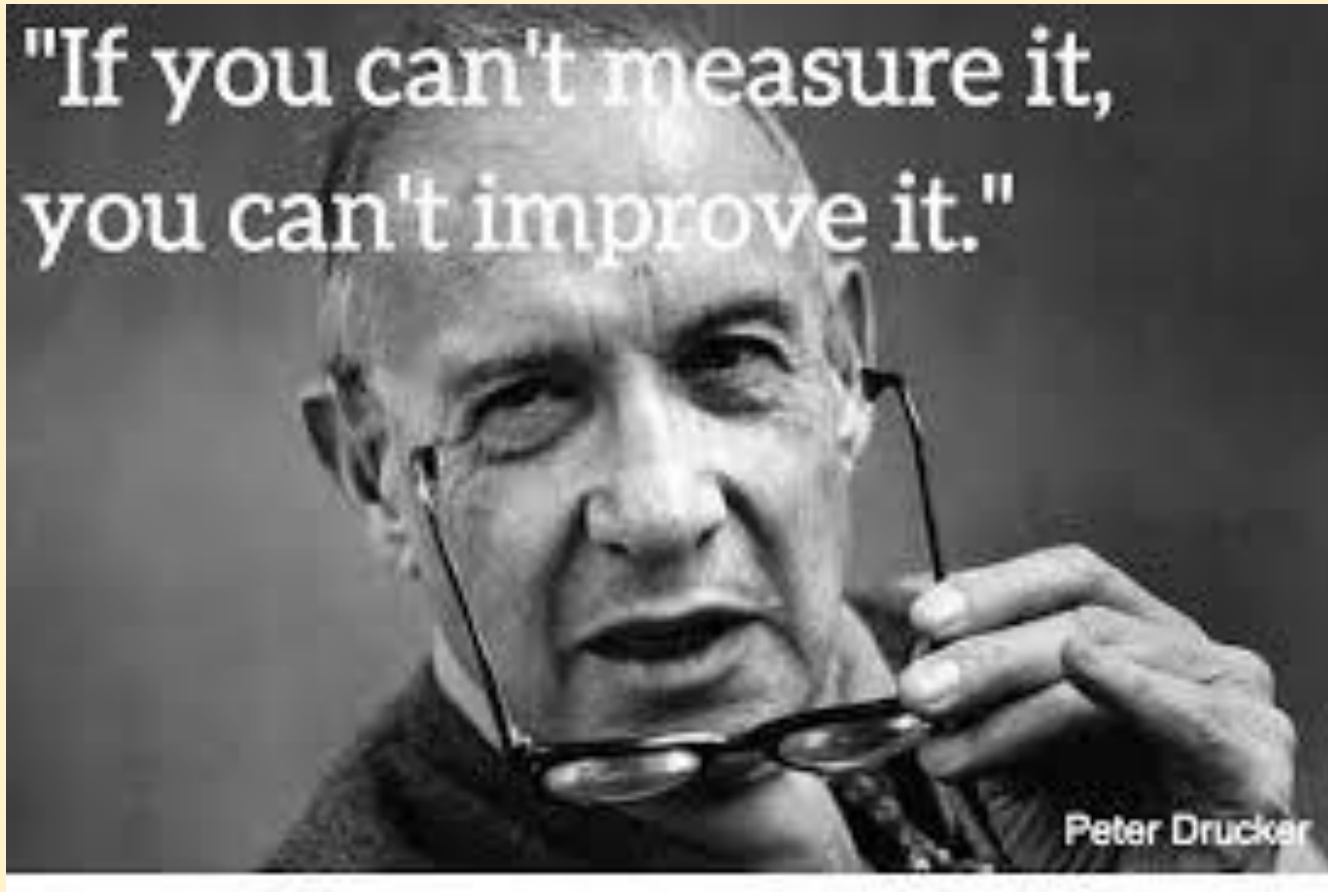




- **Action 10** of the of the 2014-2020 RTAP for the Mediterranean Region, inter alia, calls upon the EuroMed Partner Countries to:
 - *Pursue efforts for setting-up a **reliable data collection system on road fatalities and serious road accidents, to facilitate data comparison***
 - *Share their national data at regional level, similarly to the practice of the European Road Safety Observatory (ERSO) and the Community Road Accident Database (CARE).*



- **EuroMed TSP Task** (Project Activity 1A.2.6. b)
 - TA on **setting up** road safety **reliable, harmonized and comparable data collection system and sharing at regional level**



Austrian-born American Professor of Management



- **Road Safety is a priority** for most EuroMed Partner countries
 - **First priority for Tunisia and Morocco**
 - **Among the country priorities for Jordan, Egypt and Lebanon**
- Collection of **accurate data is a major issue for all Partner Countries**
- **Discrepancies between national official data and WHO estimates** were identified requiring full understanding and bridging

Country	Official Data	WHO Report	Difference in %
Egypt	6.700	10.466	56
Lebanon	649	1.088	68
Tunisia	1.505	2.679	78
Morocco	3.832	6.870	79
Algeria	4.540	9.337	105
Jordan	768	1.913	149



- **Identify the current situation** of data collection and processing in the region (diagnosis)
- **Present the best practices and tools** at national, European and international level in collecting and processing road safety data
- **Understand discrepancies** and bridge them
- **Strengthen the capacities of stakeholders to improve their performance** in collecting and sharing credible, regionally harmonized and comparable data
- Workshops, seminars and meetings for **sharing experience and good practice**



Review of international experience and good practice



Cooperation and interaction :

- **DG-MOVE**, the European Road Safety Observatory (ERSO)
- the **World Health Organization (WHO)**,
- the **IRTAD group** of ITF-OECD,
- the **UNECE** and **UNESCWA**
- the European Commission **SaferAfrica Project**
- the **SSATP / World Bank**
- the **FIA**
- the **IRF**
 - ✓ Exploitation of **synergies**
 - ✓ **Avoidance** of duplication of efforts
 - ✓ **Benefits for the countries** and the Agencies / Projects



Highlights from cooperation with key players





Brought together the key European and international players with valuable experience on international road safety data quality issues

(EC, WHO, IRTAD, UNECE, SSATP/World Bank, SaferAfrica)

- **To exchange experiences** on road safety data collection methods and quality issues in the EuroMed partner countries and beyond;
- **To enhance common understanding** of data quality issues and discrepancies between WHO and national statistics
- To identify common ground for **coordinated efforts**

Key conclusion:

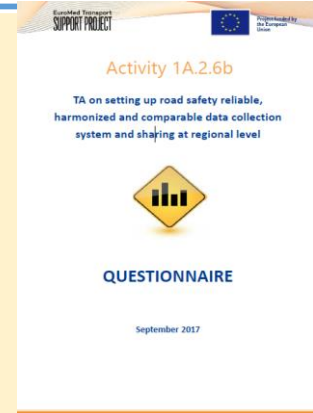
Readiness to cooperate concrete actions agreed





The questionnaire

- Development of a dedicated questionnaire
- Explicitly designed **to analyse both Police and Health Sector** data



Diagnostic missions: Cooperation with the national road safety statistical services

Beirut, Sept. 2017

Cairo, Oct. 2017

Marrakech, Oct. 2017

Algiers, Nov. 2017

Tunis, Nov. 2017

Amman, Apr. 2018





First time experts from **Traffic Police, Transport and Health met** at regional level and also with the key international players

- **Best international practices** on road safety data collection and tools presented
- **Reasons of discrepancies** between national statistics and WHO reported, analysed and understood
- Importance for countries to **improve their Health Sector VRD** highlighted
- **Results of the diagnosis work** in the region presented
- **Greek related experiences** presented - **site visits** conducted
- **Successful examples** from the region highlighted
- **Road map** on the way ahead **agreed**



Diagnostic results

- The need and importance for collection of **road safety reliable, harmonized and comparable data** is fully recognized by all EuroMed Partner countries
- There are significant past and ongoing efforts in all countries and **several good practice elements** for each country to demonstrate
- Considerable **opportunities for transfer of knowledge between countries** in order to share good practice and strengthen cooperation to address the common challenges.
- **Important challenges remaining to be addressed** and elements needing improvement in all countries



Good practice vs. elements to improve



	Algeria	Egypt	Jordan	Lebanon	Morocco	Tunisia
Definition of fatality at 30-days	✓	?	✓	?	✓	?
Follow-up for 30 days	?	?	✓	?	✓	?
Electronic means for data collection	?	..	✓	?	?	?
Data sharing and publication	✓	?	✓	?	✓	✓
National Observatory	✓	?	?	?	?	✓
Inter-sectoral cooperation	?	?	?	?	✓	...
Health sector VRD data quality	?	✓	...	?	?	?



Definitions of fatalities

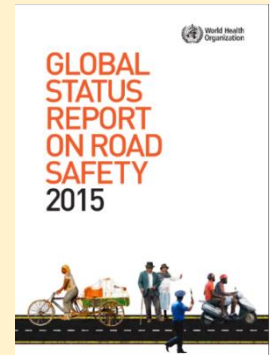
- **Different definitions** of fatalities by the **Police and Health Sector**
- For the **Health Sector** the **main source of data is the Vital Registration Data (VRD)**, based on the death certificates (by hospitals and individual practitioners)

Data quality

- **Under-reporting of road traffic fatalities is a real challenge in all countries** and concerns both, the **Police and Health Sectors**
- **Even for countries with good data systems, difference may occur between reported data and WHO estimates, due to different definitions (Police-Health)**

WHO assessment methodology

- **WHO estimated fatalities based on VRD**
- WHO places countries **in one of the four Groups**
 - **Group 1:** With **good VRD statistics** (completeness 80% or more)
 - **Group 2:** With **other sources** of information (including studies) accepted
 - **Group 3:** With **population less than 150,000**
 - **Group 4:** **Without eligible VRD** (for which statistical model applies)





- **The only EuroMed country for which VRD meet the WHO quality criteria is Egypt**, while all other EuroMed countries are classified in Group 4, and the WHO statistical model is used to estimate their fatalities.

	Global Status Report statistics		VRD statistics**			
	National reported fatalities*	WHO estimated fatalities	Reported VRD	Year	Completeness	Country classification Group
Egypt	6700	10466	11000	2014	>80%	1
Lebanon	649	1088	-	1999	-	4
Tunisia	1505	2679	298	2013	22%	4
Morocco	3832	6870	781	2012	12%	4
Algeria	4540	9337	-	-	-	4
Jordan	768	1913	669	2012	60%	4

- **However, there is no single reason for the observed discrepancies.**



- **First step: Identification of the problem** and the **establishment of cooperation** between the **Police, Transport Sector and Health/VRD Sector**.
- **Mobilization of all relevant authorities**, an important prerequisite in ensuring the engagement to the common objective
- Countries are encouraged to **establish cooperation with WHO** for the identification of country-specific challenges, and request for tailored advice and assistance.

Intermediate objective: shift to Group 2

- Cooperation between Police and Health Sector to **implement one or more regional studies to estimate under-reporting and project**
- **Can be implemented with relatively low resources**, and the cooperation with Universities or Research Institutes may open opportunities

Eventual objective: **Improve VRD quality to meet WHO criteria and shift to Group 1**



Need for continued efforts to improve all sectors' data



- Even if the country is shifted to Group 2 or Group 1, **incomplete and inaccurate Police data will result in the persistence of a large discrepancy**
- Adoption and proper implementation of **international definitions and protocols** regarding road crash statistics, indispensable
- Exhaustive **follow-up of fatalities for 30 days** after the crash
- **Cross-checking of Police data with Health Sector data** and other Sectors data
- Strengthening of **cooperation among all agencies** involved in the collection, processing and publication of road crash statistics.





- Aims at **assisting** EuroMed Partner countries **understand the differences between their reported data on road traffic fatalities with the respective WHO estimated** included in its Global Status Report of Road Safety
- **Present ways to improve the quality of their statistics and bridge the differences.**
- **The information in this publication may also assist other countries and regions** to address similar challenges.
- **Coming soon!...**

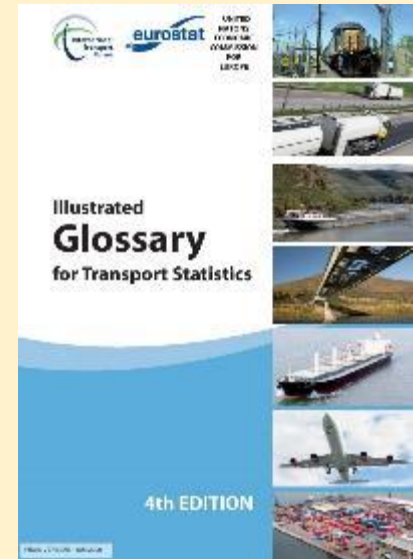


EuroMed Transport
SUPPORT PROJECT



Ongoing

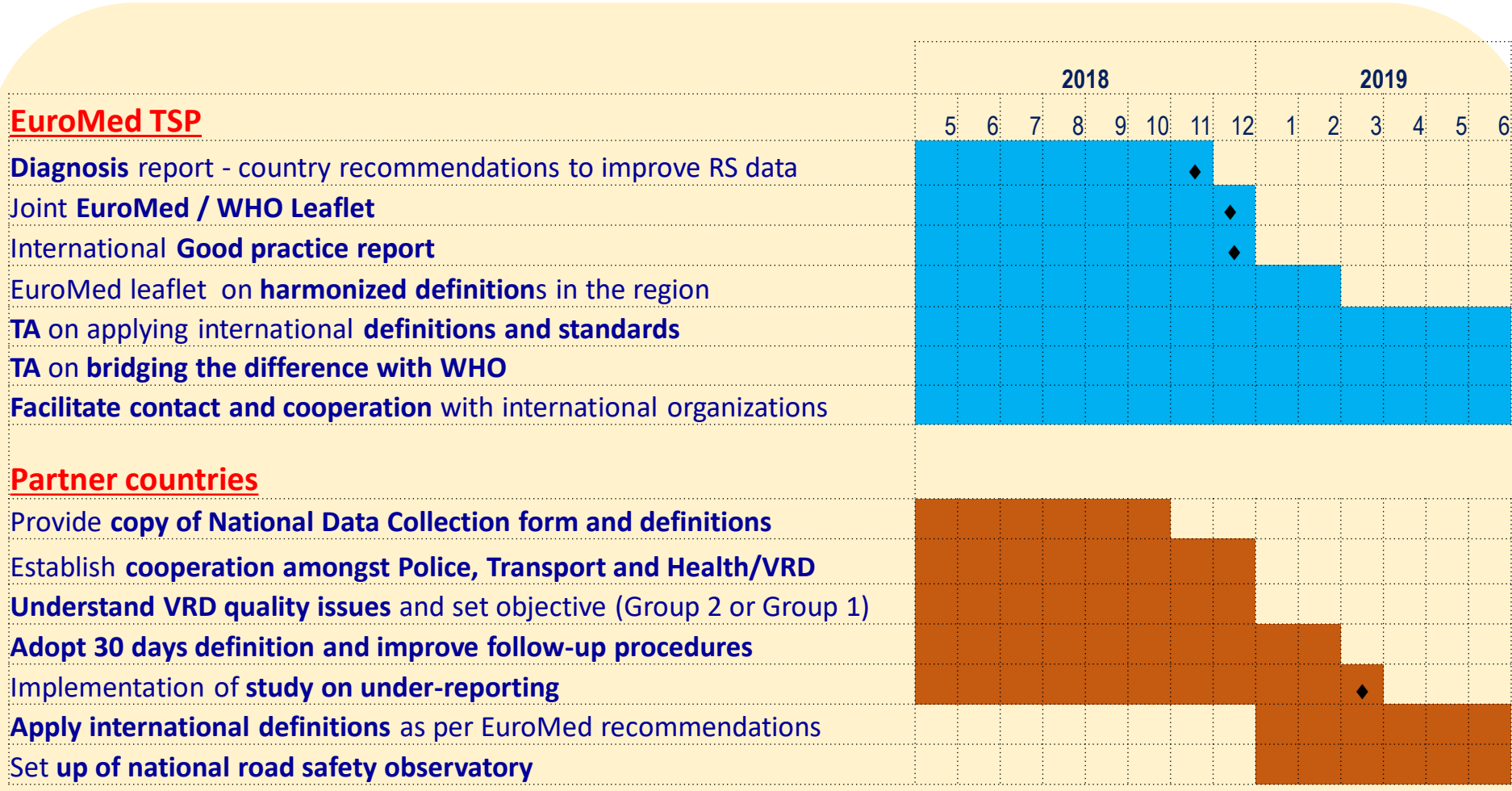
- **Report on road safety data diagnosis** and country **recommendations**
- **A joint EuroMed / WHO publication** on understanding and bridging the differences between country reported and WHO estimated fatalities
- **Publication of EuroMed region road safety data definitions** inspired by UNECE Glossary and CADAS
- **Implementation of the road map**



Following

- **National seminars and meetings** to present results, share experiences and best practices
- **Continue the implementation of the road map**
- **Assist countries bridge existing data discrepancies** and set up reliable, harmonized and comparable RS data collection system





◆ Report





Conclusions

- **Road Safety is a priority** for most EuroMed Partner countries
- Collection of accurate data is a **major issue for all Partner Countries**
- **Discrepancies** between official data and WHO estimates **identified/understood**
- **Current situation** of data collection and processing in the region identified
- Challenges include,
 - **Different definitions** of fatalities by the Police and Health Sector
 - **Vital Registration Data (VRD)**, main source for Health sector
 - Data quality due to **under-reporting** in all countries, both in Police & Health
 - WHO assessment methodology, **four Groups** & statistical model for Group 4
- **Intersectoral cooperation** (Police, Transport and Health/VRD Sectors) **is a Must**
- **Continued efforts to improve** all sectors' data
- **EuroMed/WHO leaflet soon**, followed by
- **Diagnosis and recommendations**
- EuroMed **definitions**
- **Implementation of the Road Map**



The importance of data



**Edwards
Deming**

*In God we trust, all others
must bring data*

Famous American Professor and Statistician

EuroMed Transport SUPPORT PROJECT



Thank you

From the 101st WP.15 Session, 8 – 11 November 2016

**Draft Report on the Review of the Palestine Sectoral Strategic Plan for Transport 2017-2022
Diagnosis, Identification of gaps and Recommendations, November 2018**