



National Technical University of Athens
Road Safety Observatory

www.nrso.ntua.gr

Workshop:
**Digitalisation
and Road Safety
Research**

Friday
17
May
2019
at 14:00

**FIFTH UNITED NATIONS GLOBAL ROAD
SAFETY WEEK**

6-12 May 2019



Save Lives

#SpeakUp

The African Road Safety Observatory



Stergios Mavromatis

Assistant Professor, NTUA

Together with:

Katerina Folla, Dimitris Nikolaou, Alexandra Laiou, George Yannidis

The SaferAfrica project

➤ Project partners:

Participant Organisation Name	Country
Research Centre for Transport and Logistics (CTL) - Coordinator	Italy
National Technical University of Athens (NTUA)	Greece
Belgian Institute for Road Safety (IBSR)	Belgium
International Road Federation (IRF)	Switzerland
IFSTTAR	France
Loughborough University (LOUGH)	UK
National Laboratory of Civil Engineering (LNEC)	Portugal
Institute of Road Safety Research (SWOV)	Netherlands
SITRASS	France
Agency for the Promotion of European Research (APRE)	Italy
Vehicle and Traffic Safety Centre (SAFER)	Sweden
National Advanced School of Public Works (ENSTP)	Cameroon
Handicap International (HI)	Belgium
Abidjan – Lagos Corridor Organisation (OCAL)	Benin
ICI-Santé (ICI)	Burkina Faso
International Motor Vehicle Inspection Committee (CITA)	Belgium



➤ Duration of the project:

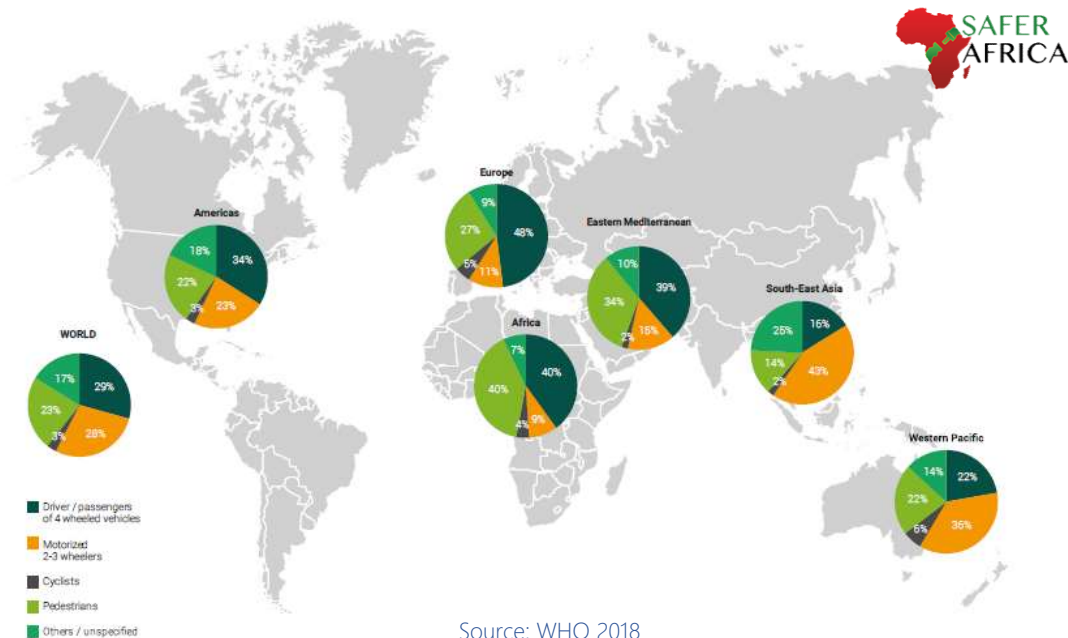
- 36 months (Oct. 2016 – Sep. 2019)

➤ Operational Program:

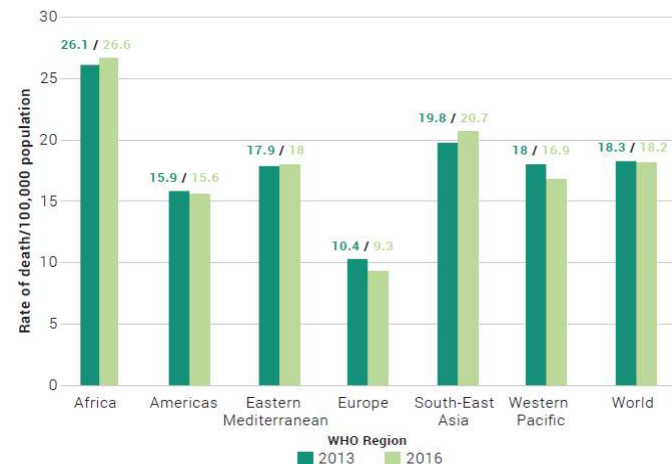
- Horizon 2020, Mobility for Growth

Background

- Africa presents the highest traffic fatality rates globally, with almost **3x higher** fatality risk than Europe
- The African Region has the **highest proportion of pedestrian and cyclist fatalities** (44%) of all road traffic deaths
 - partly attributed to the fact that **walking and cycling** are important means of transport in Africa



Source: WHO 2018



Research Questions

➤ Create **favorable conditions** and opportunities for the **effective implementation of actions and knowledge** for road safety and traffic management in African countries by setting up

- **Dialogue Platform** between Africa and Europe
- **African Road Safety Observatory (African-RSO)**



Methodological Challenges

- 300,000 traffic fatalities and over 5mil. injured per year
- Opportunity to exchange information and experience between Europe & Africa
- Assist with evidence and data gathering
- Strengthen capacity and identify training needs
- Transfer and share good practices



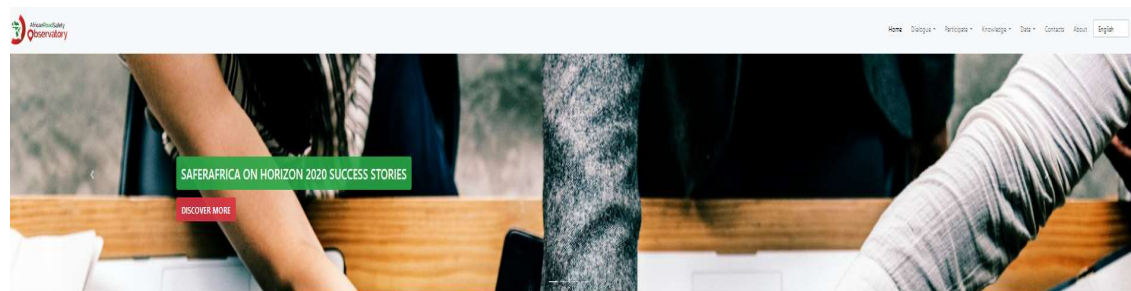
African-RSO vs SaferAfrica

- Solid interconnection
- Continuous **update** from the project's 4 core pillars (4 WPs)
 - Road Safety Knowledge & Data
 - Road Safety & Traffic Management Capacity Reviews
 - Capacity Building & Training
 - Sharing Good Practices



African-RSO Design

- Modern **web-based** tool
- Highly **ergonomic** interface
- **Simple** structure
- Documented information
- Continuously **updated**



Welcome to the African Road Safety Observatory

The African Road Safety Observatory is a space for interaction to highlight the current road safety issues in African countries. It is one of the main results of the African Road Safety Observatory project, which aims to develop a knowledge resource and a platform for the participation of experts and end-users. Moreover, the Observatory, through a virtual area, is designed as a tool for managing all the activities of the Dialogue Platform created by SaferAfrica project and, in particular, for the community of a Management Board as well as of a Stakeholders Group. The website has been created and is managed by the team of experts of the Research Center for Transport and Logistics (CTI) of the University of Rome, coordinator of SaferAfrica. The Observatory is constantly updated and enhanced with contents and multimedia products developed by the SaferAfrica project.

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Surveys



The Dialogue Platform

Dialogue is the heart of the African RSO aimed at promoting a road safety culture, enabling sharing of good practices and setting up favorable conditions for their implementation.

Dialogs



Infographics

African-RSO Participate

➤ Crowdsourcing tool

- Reporting of road safety problems
- Proposing solutions

➤ Surveys

- Links to information on SaferAfrica surveys and their results

African Road Safety Observatory

SHARE, EXPLORE, DISCUSS ROAD SAFETY ISSUES

Report or Propose a solution Explore Proposals Reports

REPORT a road safety related problem in your country or PROPOSE a solution
E.g. No crossing facilities for pedestrians - Poor rescue system in rural area - High speeds close to school areas

Please LOGIN to submit a report or a proposal

SIGN IN REGISTER

Filters

Proposals

- ☐ Road Safety Management 4
- ☐ Unsafe Roads 8
- ☐ Unsafe vehicles 2
- ☐ Risk behaviour of road users 2
- ☐ Poor post-crash care 1

Report

- ☐ Road Safety Management 3
- ☐ Unsafe Roads 7
- ☐ Unsafe vehicles 6
- ☐ Risk behaviour of road users 9
- ☐ Poor post-crash care 6

Clear all



African-RSO Data

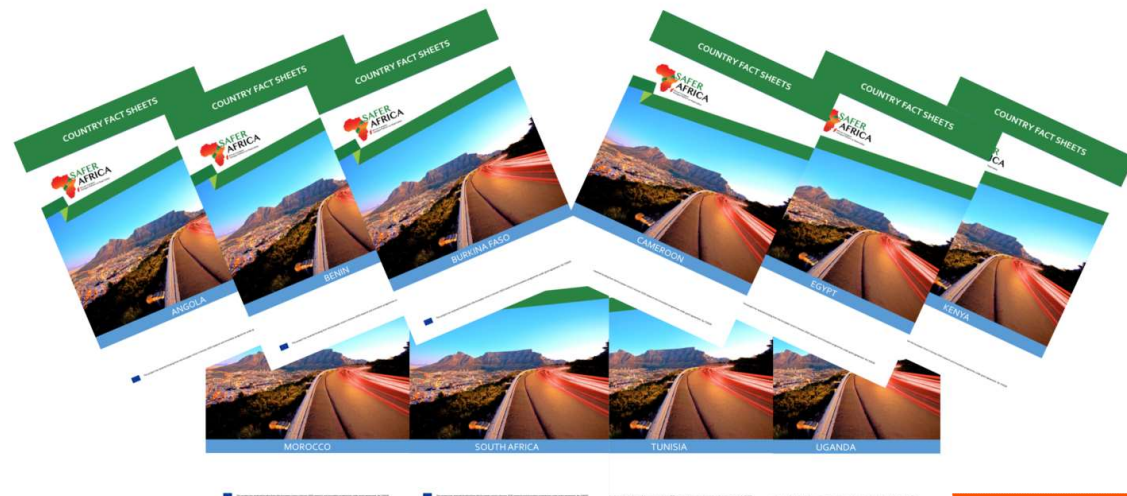
➤ Statistics

- Final outcomes
- Policy context
- Policy performance
- Infographics



➤ Analysis

- Data collection
- Factsheets
 - Country
 - Thematic
- Under-reporting



Scientific and Social Impact

- Provide a **tool** for African citizens to highlight the relevant road safety needs
- **Monitor** existing strategies and implemented road safety policies in African countries
- Provide a **space for interaction** with stakeholders and networking of relevant actors
- **Collect** road safety data from various national and international (WHO, IRF) sources
- **Present** the road safety situation and trends at national, regional and continental level
- **Analyze** data and provide recommendations to improve road safety in Africa



AFRICAN ROAD
SAFETY OBSERVATORY 



Future Challenges

- Develop **strategies** to systematically improve road safety management
- Improve evidence based decision making in Africa through **better safety data** and knowledge
- Adapt the principles of the **Safe System approach** in Africa
- Unite all African countries in realizing the importance of road safety, by setting **common strategies and targets**
- Increase the **awareness** of African stakeholders, policy makers and end users on road safety





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