



National Technical University of Athens  
Road Safety Observatory

[www.nrso.ntua.gr](http://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, Alexandra Laiou, George Yannis

# 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)

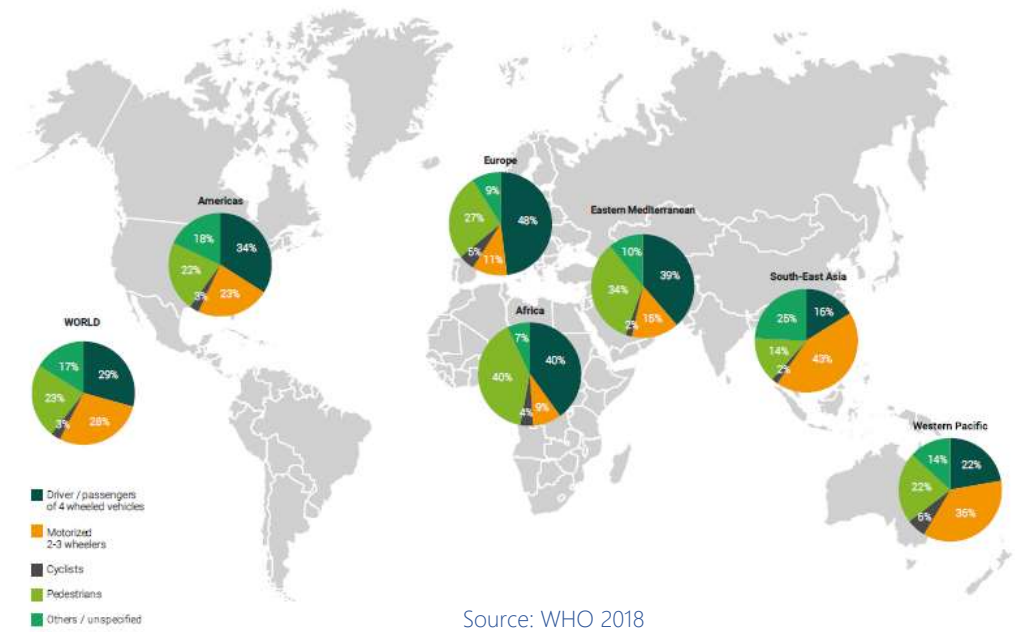
➤ **Operational Program:**

- Horizon 2020, Mobility for Growth

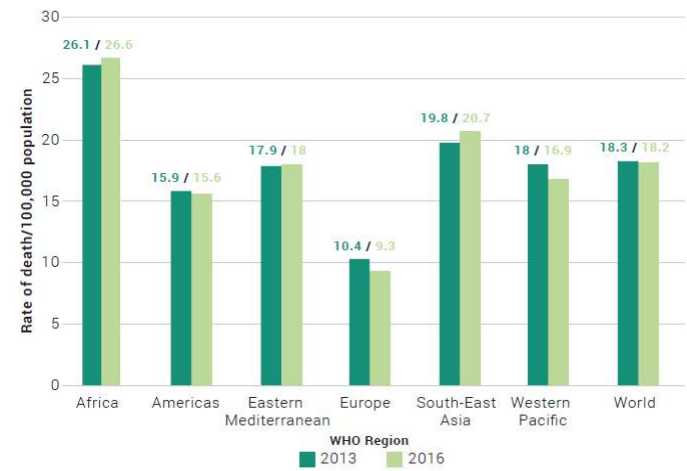


# Background

- 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

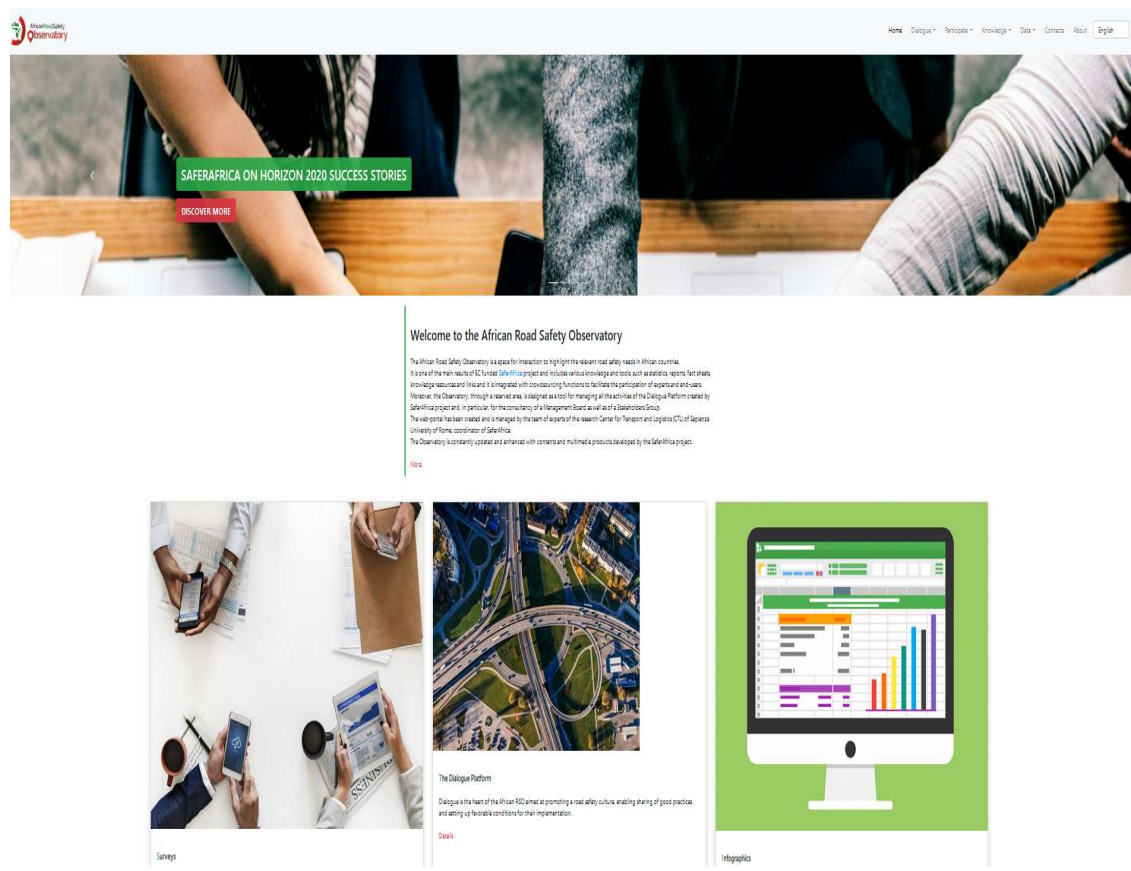
- Solid interconnection
- Continuous **update** from the project's 4 core pillars (4 WPs)
  - Road Safety Knowledge & Data
  - Road Safety & Traffic Management Capacity Reviews
  - Capacity Building & Training
  - Sharing Good Practices



# African-RSO Design

[www.africanroadsafetyobservatory.org](http://www.africanroadsafetyobservatory.org)

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



# African-RSO Participate

## ➤ Crowdsourcing tool

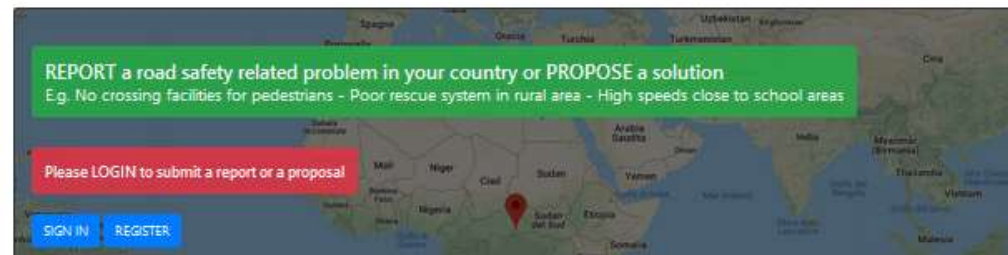
- Reporting of road safety problems
- Proposing solutions

## ➤ Surveys

- Links to information on SaferAfrica surveys and their results

## 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 3
- 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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