



INTERNATIONAL CONGRESS ON TRANSPORT INFRASTRUCTURE AND SYSTEMS IN A CHANGING WORLD

Road Safety Management

Improving road safety knowledge in Africa through crowdsourcing: the African Road Safety Observatory

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Why knowledge is important in Africa?



- Africa is the worst performing continent in road safety: the fatality rate, 26.6 per 100.000 inhabitants Vs 9.3 in Europe (WHO, 2018)
- Significant demand for data and knowledge needed but....
 - no centralised accident data collection system in place, underreporting, no standardization → no reliable national figures
 - substantial lack of detailed knowledge on each road accident (e.g. missing location, no follow up)



Is there a solution?



Reported videos 7 | Captured videos 58

REPORT

Other types of data?

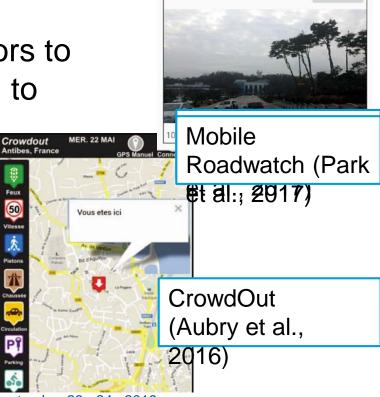
Surrogate indicators also known as Safety Performance Indicators (e.g. speed, use of seatbelt...)

Other sources of data?

Mobile devices (e.g. smartphones) acting as sensors to report traffic offenses and any other events related to vehicle traffic (e.g. CrowdOut and Roadwatch)

Citizens as sensors or knowledge





RoadWatch

09:20 August 17, 2016

The SaferAfrica Project





- □ Funded under *Horizon 2020*
- Duration: Oct 2016 Sep 2019
- 17 partners (Project Leader: CTL of Sapienza University of Rome)

Objectives

Setting up a Dialogue Platform between Africa and Europe to create the favourable conditions and opportunities for the effective implementation of actions for road safety and traffic management

Increase the awareness of African stakeholders and end users on road safety by means of an African Road Safety Observatory

SAFERAFRICA

AFRICAN-EUROPEAN DIALOGUE PLATFORM ON ROAD SAFETY

www.saferafrica.eu









Upcoming Events

SaferAfrica crowdsourcing objectives



Objectives:

- Collect opinions and road safety needs of an African country from African citizens;
- Report general road safety issues at country level;
- Propose ideas to improve road safety in the country of origin.

Target group:

- scientific, technical and institutional end users within the project and on the Dialogue Platform.
- national and international authorities, decision makers, policy makers and funders
- the society in general

SaferAfrica crowdsourcing tools



Recommendations to improve road safety data collection in Africa

Reporting tool

Anyone can report a road safety problem or propose a solution to improve road safety in his/her country

Web surveys

Citizen surveys were created and managed through the Google Form tool.

Participate



Dialogue Platform

A forum for discussing the evidence and the recommendations coming from the SaferAfrica project and to foster their adoption in debinar 3 - Road Safety Data in Africa - Evidence from Safer file lds of road safety



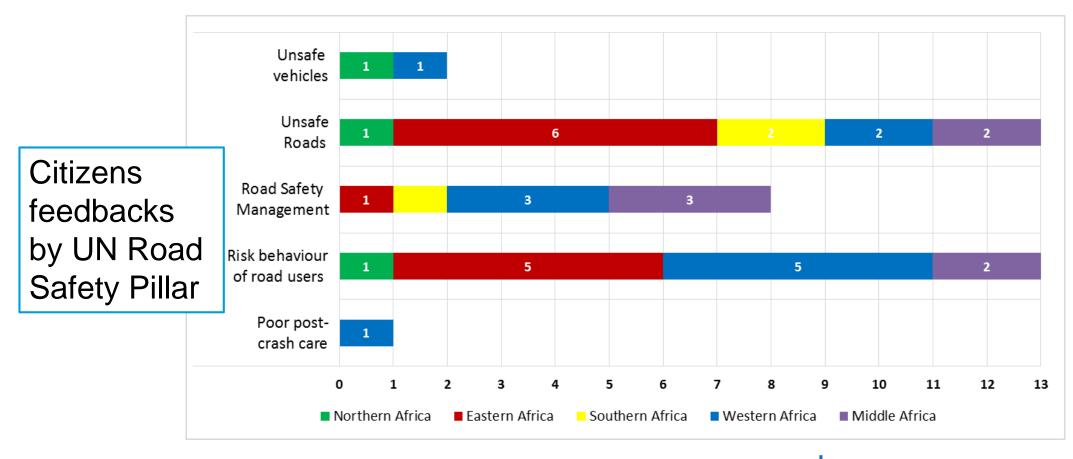
Webinars Annual University of Athens

Used to promote in a relatively short time period (30 minutes) SaferAfrica key findings so as to foster the dialogue with the experts and the African stakeholders

Some preliminary results



21 reports and 14 proposals: up to Feb 2019 (about 80 in July 2019)



Some examples of feedback



Powered Two Wheelers (PTW)

- Despite the regulations, very few PTW riders own a driving licence in many countries.
- The lack of public transport, coupled with chronic youth unemployment, gave way to motorcycle taxi transport (*Guinea*, *Cameroon*).

Pedestrians.

- sidewalks are missing (*Eswatini*), where existing sidewalks are occupied by traders and other activities (*Tunisia, Ivory Coast*).
- □ Traffic lights are rare. In some cities many pedestrians do not know how traffic lights operate (Cameroon).





Conclusion and next steps



- According to the preliminary analysis of crowdsourced data collected, several problems were highlighted in all the five road safety pillars
- "Blame the victim" vision
- Limitations to the use of data (data are subjective, limited in amount and unstructured)
- □Use of crowdsourcing data to assess of the existing strategic documents at local, country, regional and continental level (e.g. the African Road Safety Action Plan)





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