How research can contribute to the road safety agenda in Africa

Joint Africa-EU Strategy (JAES)-Reference Group on Infrastructure Transport Working Group Session 24 April 2017
Road areas

Road Safety

Crash dummies, biomechanics, virtual testing

Crashworthiness of vehicles

Interaction between innovative technologies and drivers

Interaction with other road users -- compatibility & crash avoidance

Safe road infrastructure

Ergonomics of vehicles and seats

Real-life observations of driver behaviour

Tyre/road interaction, Skid resistance

Real-life observations of driver behaviour
PROS - Priorities for Road Safety Research in Europe

Objectives:
- identification of future safety research needs based on a review of future societal scenarios as well as existing research activities, agendas and roadmaps
- an integrated approach covering human, vehicle and infrastructure aspects and all phases from preventive to post-crash safety
- to establish a pan-European network to develop commonly agreed priorities in road safety research and overcome the current fragmentation in relevant stakeholder groups

Results:
- Elements input to H2020 Work Programme
Road Safety in Horizon 2020

2014
• Accidentology & Vulnerable Road Users

2015
• Distraction

2016
• Group of topics on Transport Safety for the first time
• Influence of behaviour on transport safety
• EU-Africa road safety initiative
• Group of topics on Automated Road Transport launched

2017
• Protection of road users

Future work areas under discussion
SafetyCube

Design of a Road Safety Decision Support System
Knowledge about accident risk factors and the effectiveness of measures
Methodologies to perform sound assessment of road safety measures
The main contents of the DSS concern:
- road accident risk factors and problems
- road safety measures
- best estimate of casualty reduction effectiveness
- cost-benefit evaluation
- all related analytic background

3 years 2015 - 2018
SaferAfrica

• Call in 2016 for a Euro-African initiative on road safety and traffic management

• SaferAfrica project launched 11 October 2016: 3 years, links with World Bank, ITF

• Incorporates accidentology & targets exchange information and experience between the two continents

• Close links with SafetyCube project
SaferAfrica objectives

- contribute to the improvement of road safety and traffic fluidity conditions in Africa
- reinforcement of African capabilities with a view to long term sustainable progress in the fight against road casualties and for a more efficient and sustainable transport system
- dissemination of know-how and the deployment of sound technical and governance solutions
- recommendations for the African Road Safety Action Plan and the African Road Safety Charter
SaferAfrica Concept

[Diagram showing the SaferAfrica Concept, including elements such as Support to Safe System Implementation, Policy Recommendations, Fund Raising & Action Plan definition, Road Safety Performance & Plan Implementation monitoring, Develop Partnerships & Projects, Twinning Programs, Road safety knowledge & data, Road Safety & Traffic Management Capacity Review, Capacity Building & Training, and Sharing Good Practices.]

Support to Safe System Implementation

Policy Recommendations

Fund Raising & Action Plan definition

Develop Partnerships & Projects

Twinning Programs

Road safety knowledge & data

Road Safety & Traffic Management Capacity Review

Capacity Building & Training

Sharing Good Practices
SaferAfrica beginnings....

Workshop with IRTAD on EU-Africa road safety collaboration October 2016 with presentations from Nigeria, Morocco and South Africa
SSATP workshop in Nairobi February 2017
Creation of a Dialogue Platform
Watch this space....