



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***



**Ergonomics of
vehicles and seats**

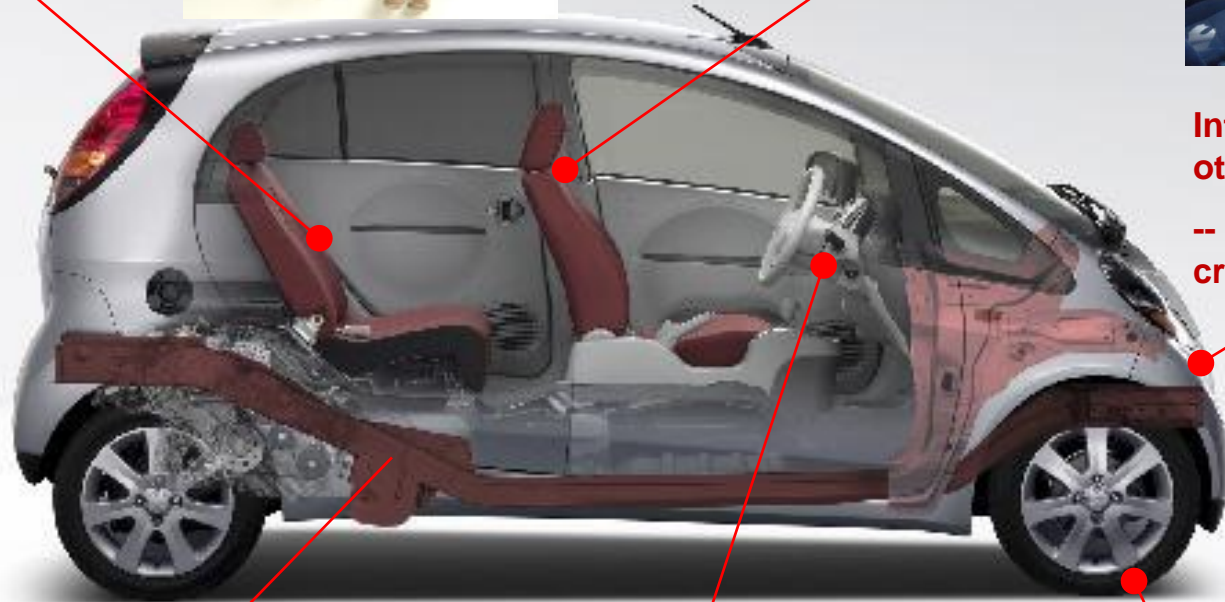


**Crash dummies,
biomechanics, virtual testing**

**Real-life observations of
driver behaviour**



**Interactions with
other road users
-- compatibility &
crash avoidance**



**Safe road
infrastructure**



**Crashworthiness
of vehicles**

**Interaction between
innovative technologies
and drivers**

**Tyre/road interaction,
Skid resistance**



PROS



- *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*

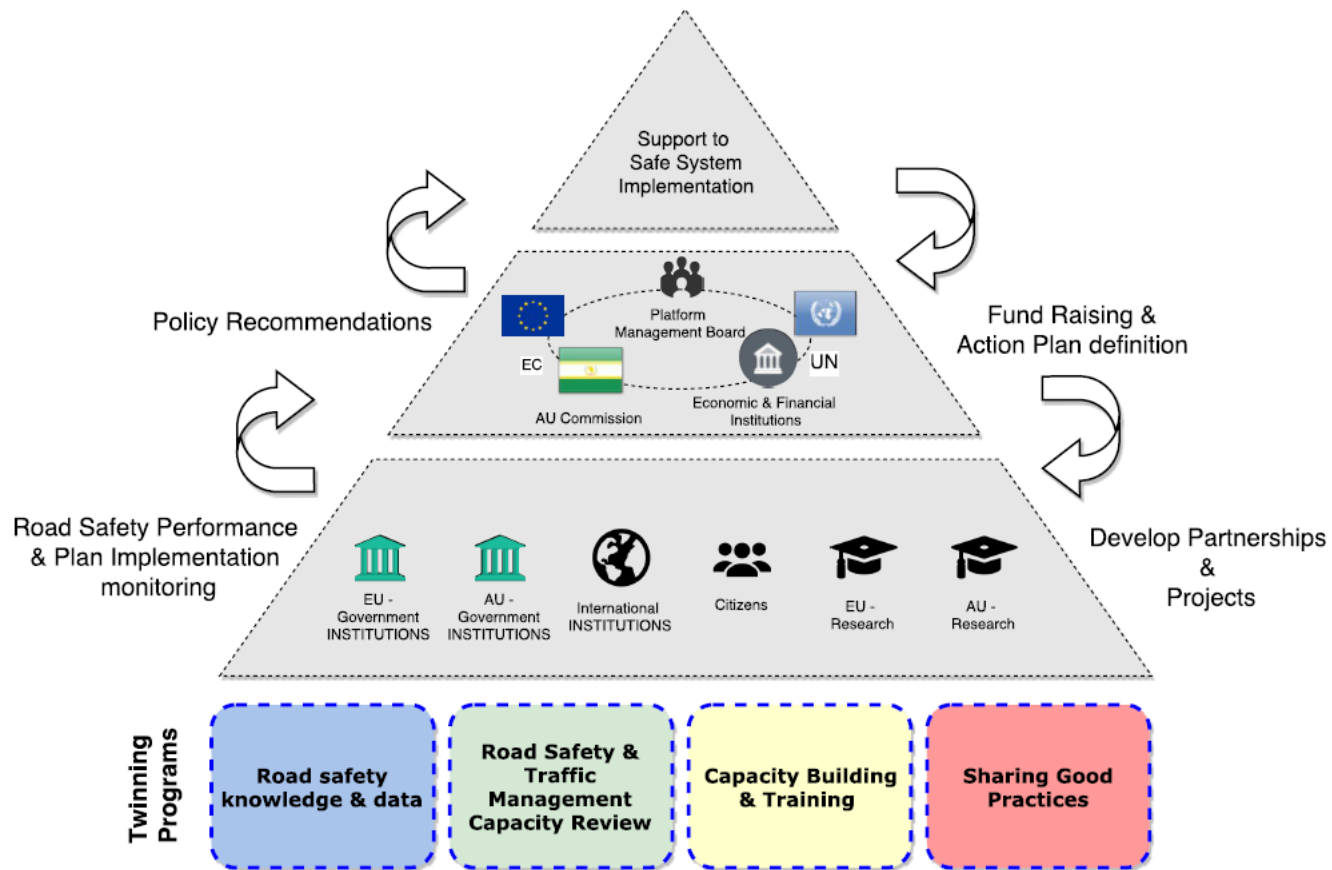


SaferAfrica objectives



- *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



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....



Research and
Innovation

