Priorities for Road Safety Research in Europe

The PROS Research Agenda
See for details: www.pros-project.org

AstaZero Researchers’ day, April 14th 2015

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The PROS Approach
Main Objective and Basic Principles

Main Objective:
Establish a pan-European network capable of setting commonly agreed priorities in European road safety research

Basic Principles:
- Covering the research area as a whole
- Maximising involvement
- Focusing on priorities
- Creating transparency
- Remote interaction between experts
The PROS Approach

Project Structure

WP1: Gap analysis

WP2: Priorities & roadmap

WP3: Dissemination

WP4: Process control

WP5: Project management

Continuation of activities

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Maximising Involvement
Seeking for and Establishing Cooperation

**Representation in Consortium**
- FERSI
- FEHRL
- HUMANIST
- European Cyclists’ Federation
- European Blind Union
- Authorities
- Automotive industry
- Research organisations
- Academia
- …

**Associate Partners**

**External Stakeholders**
- ACEM
- FEMA
- ETSC
- FIA
- Euro NCAP
- ACEA
- ECTRi
- POLIS
- FEVR
- IRF
- IRAP
- EARTO
- UITP
- Dutch Ministry of Transport
- UK Department for Transport
- German Transport Safety Council
- …
Research Topics Specified by Detailed Descriptions

Iteratively refined topic descriptions provide details on:

- **Specific challenge**
- **Scope**
- **Expected impact**
- **Recommended type of action**
- **Specifics of the topic**
Priorities in Road Safety Research –
Human Focus

- WP 2016: Behaviour in traffic – Making us safer road users
- WP 2017: Improving protection in crashes – Counteracting our fragility
Priorities in Road Safety Research – Vehicle Focus

- WP 2016: Technological leadership in safe future vehicles – Improving protection in crashes
- WP 2017: Technological leadership in safe future vehicles – From assisted to automated driving
- ≥ WP 2018*: Vehicle technology for two-wheeler safety

(*earlier if no related project is funded under WP 2014)
Priorities in Road Safety Research – Infrastructure & Traffic System

- WP 2017: Innovation in ITS infrastructure for safety – Making use of the connected world
- WP 2016: Safe roads design – Making them self-explaining, forgiving and interactive to the benefit of all road users
- ≥ WP 2018: Enhancing safety through advanced road maintenance concepts
- ≥ WP 2018: Traffic management for road safety
Priorities in Road Safety Research – Traffic Safety Analysis & Assessment

- ≥ WP 2018*: Understanding what is happening on the road and linking it to measures
- ≥ WP 2018*: Evaluating impact of safety concepts

(*earlier if no related project is funded under WP 2014)
## Setting Priorities
Creating Transparency

<table>
<thead>
<tr>
<th>Research area:</th>
<th>Weighting factor:</th>
<th>Safety benefit (volume x effectivity)</th>
<th>Effect on economic growth and job creation</th>
<th>Level of innovation</th>
<th>Total score</th>
<th>Consulted experts in your organization per research area</th>
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</thead>
<tbody>
<tr>
<td><strong>Human</strong></td>
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## The PROS Approach
Creating Transparency

### Research areas:

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#### Infra, ITS & ICT

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#### Safety analysis & assessment

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Implementation and Exploitation

- **Priorities:**
  PROS partners call on the EC to take into account the project results in the definition of future Transport Work Programmes.

- **Resources:**
  PROS partners have developed a dedicated position paper underlining the need for sufficient resources to be invested in road safety research:
  
  “Road Safety Research – an Imperative for Horizon 2020”
Partners would appreciate if ERTRAC continued the PROS activities in
- promoting road safety research priorities
- keeping the corresponding roadmaps updated
- maintaining links between all interested stakeholders

Such a continuation should be based on the PROS results and follow the same principles of
- covering the research area as a whole
- maximising stakeholder involvement
- creating transparency

Several PROS partners are willing to invest significant efforts and play an active role in supporting the ERTRAC Working Group Road Transport Safety & Security.