Design Workshop on Human Centered LC Safety Measures

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Task 2.3 - Design and evaluation of human-centred low cost measures

▲ Design of human-centred low-cost countermeasures
   ▲ Identify knowledge gaps, new approaches and out of the box ideas concerning LC safety and design
   ... and also existing concepts not implemented yet
   ▲ Conceive and choose promising countermeasures for evaluation (new ones and / or upgrades of existing measures)

▲ Evaluation of human-centred low-cost countermeasures
   ▲ based on human factors criteria
   ▲ using multiple methods (e.g. Simulator tests, behavior studies in real traffic, user interviews)
Working Approach in the design of measures

Model-based derivation

Using insights into crucial aspects of user perception, attention, beliefs, motivation etc.

Collection of proposed measures from research literature (+ evaluation results)

Design Workshops

Using specific design methods (workshops, focus groups etc.)

Criteria-based selection of measures for evaluation

Design Ideas
Our workshop: Scenarios and groups

<table>
<thead>
<tr>
<th>LC type (protection)</th>
<th>Full-barrier</th>
<th>Half-barrier, flashing lights</th>
<th>Passive</th>
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**road user type**

**Motorized**
- Car driver,
- motorcyclist,
- truck driver,
- ...

**Vulnerable**
- Pedestrian,
- cyclist,
- VRU with special vehicle (wheel-chair, pram, walker,...)
Our workshop: Working Process

### LC type (protection)

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1. Familiarize with problematic user behavior and different user groups

2. Generate and document ideas to enhance safety

#### Evaluation of ideas

- Mixing groups
- Mixing groups
- Mixing groups

#### Presentation

**SAFER-LC 3rd Progress Meeting, Paris, 27 December 2018 – Expert Workshop on Countermeasures**
Let’s get started!

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