



The research leading to the results has received funding from the European Community's Seventh Framework Programme (FP7/2008-2013) under grant agreement n°217920

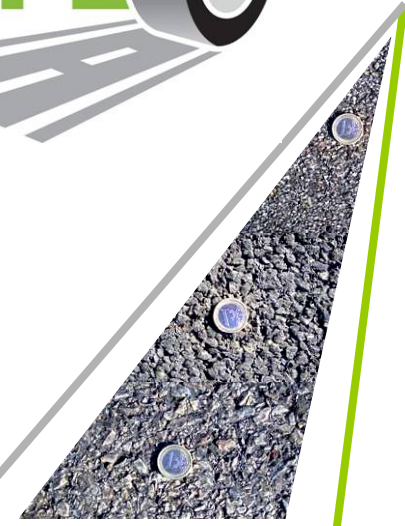


An introduction to the TYROSAFE project

Tyre and Road Surface Optimisation for Skid Resistance and Further Effects

Tire Technology Expo
18th February 2009, Hamburg

Manfred Haider

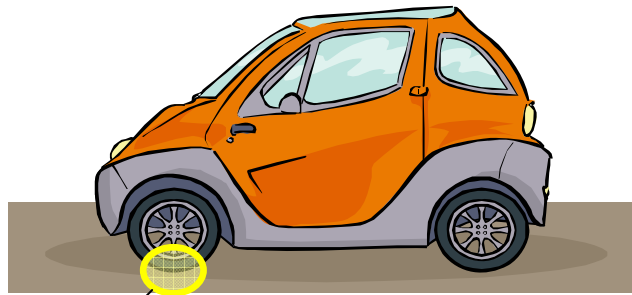


Project information

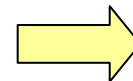
- FP7 Coordination Action
- Consortium:
 - arsenal research (Austria)
 - BASt (Germany),
 - LCPC (France),
 - RWS-DVS (The Netherlands),
 - TRL (UK),
 - ZAG (Slovenia),
 - FEHRL (Belgium)
- Duration: 2 years
- Starting date: 1st July 2008
- Approximately 1.1m EUR total
- Webpage: <http://tyrosafe.fehrl.org>



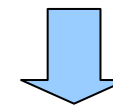
Background



Skid resistance (safety)
Rolling resistance (energy)
Noise emission (health)



Interdependencies ??



different ...

- measuring policies
- measuring methods
- measured parameters

Concept

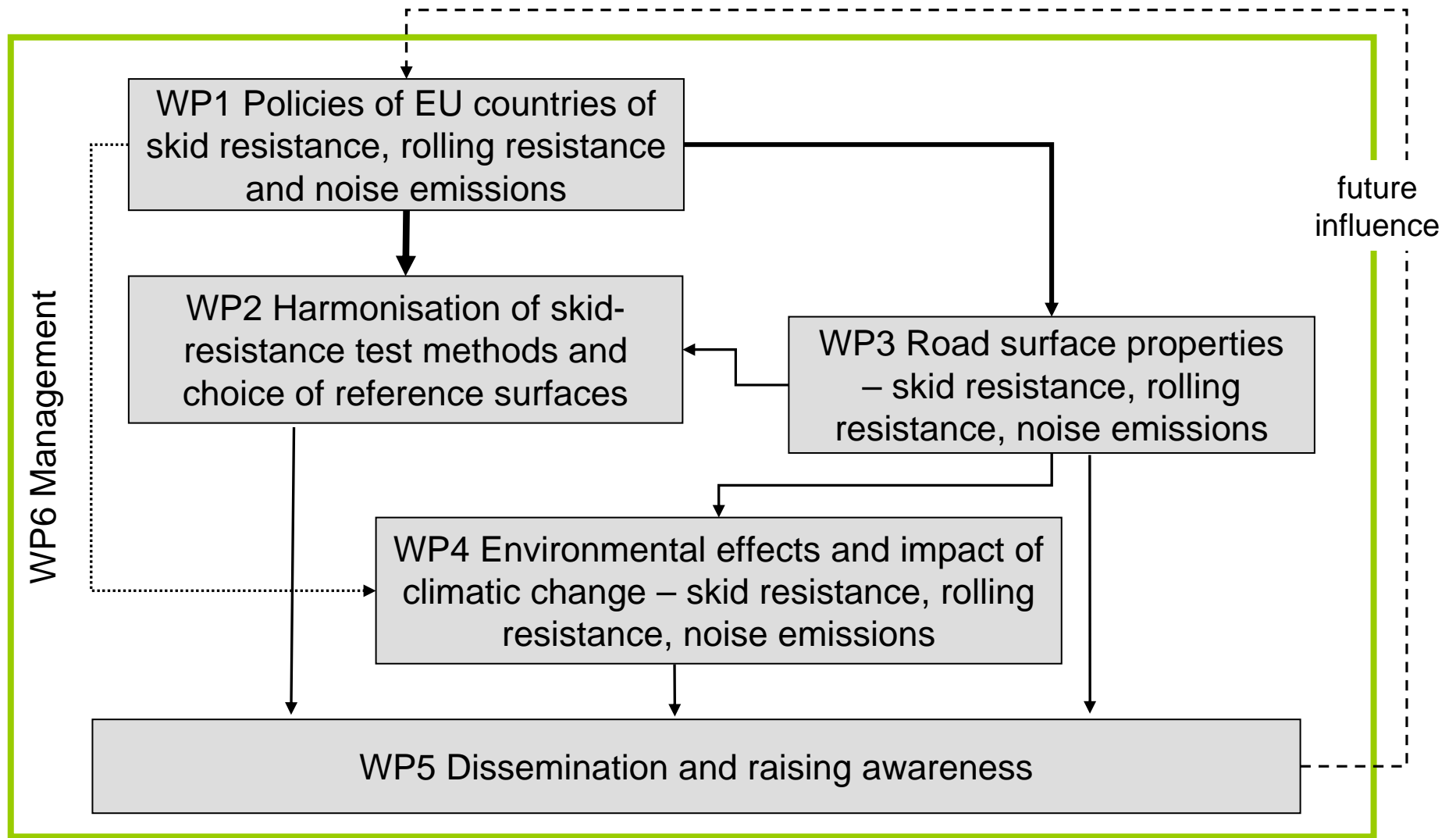


Objectives

- raise awareness, coordinate and prepare
- for European harmonisation and optimisation
- of the assessment and management of essential tyre/road interaction parameters
- to increase road safety and support greening of European road transport



Work Packages



WP1 Policies of EU countries for skid resistance / rolling resistance / noise emissions



- EU policies and standardisation work
- Current position in EU member states
- Differences, advantages/disadvantages of approaches
- Implications for introduction
- Organisation of expert workshops

WP2 Harmonisation of skid-resistance test methods and choice of reference surfaces



- Test methods and surfaces for skid resistance in EU member states
- Differences, advantages/disadvantages of approaches
- Suggest a harmonisation method (reference device and surfaces)
- Road map/implementation plan (2010, 2015, 2020)
- Organisation of expert workshops

- Describe different parameters of road surfaces and tyres
- Identify interdependencies
- Recommendations for optimisation of road surfaces and tyres
- Identify lack of knowledge
- Organisation of expert workshops

- Identify research areas for possible environmental effects due to optimisation of specific parameters
- Identify possible impact of climatic change on skid resistance, rolling resistance and noise emissions
- Organisation of expert workshop

WP5 Dissemination and raising awareness

- Dissemination of project and related research activities
- Raising of awareness of the project topics and activities to
 - general public
 - public officials
 - interested experts
- Demonstrate the importance of EC research in the field of tyre/road interaction for road safety and environment
- Organisation and management of stakeholder reference group

- Recommendations for common European policies and approaches concerning the tyre/road interaction effects
- Improving Road Safety
 - Reduction of accidents due to safer, comparable roads (better skid resistance)
 - Safer roads allow for increased mobility
 - Comparable road behaviour on European Roads decreases level of human error
- The Greening of Surface Transport
 - Recommendations for optimising road surfaces and tyres towards low rolling resistance (reduced CO₂ production) and noise emission

First TYROSAFE workshop at SURF2008

- http://videolectures.net/tyrosafe08_portoroz/
- <http://tyrosafe.fehrl.org/?m=38>

