

*The TYROSAFE project:
Tyre and Road Surface Optimisation for Skid
resistance and Further Effects - Project Overview*

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TYROSAFE project coordinator



Brussels, 10 June 2010

Final seminar programme

14:00 - 15:20 TYROSAFE: Tyre and Road Surface Optimisation for Skid resistance and Further Effects - Project Overview
Manfred Haider (AIT), Project Coordinator

Key Note lecture: European Standardization of Road Surface Characteristics
Michel Boulet (LCPC), Technical Director & Chairman of CEN/TC227/WG5 „Road Surface Characteristics„

Recommendations for EU Policies on Skid Resistance, Rolling Resistance and Noise Emissions
Roland Spielhofer (AIT), WP 1 Leader

TYROSAFE Roadmap for Harmonisation of Skid Resistance Test Methods
Minh-Tan Do (LCPC), WP2 Leader

15:20 - 15:45 Discussion on EU Policies and TYROSAFE Roadmap

15:45 - 16:00 Coffee Break

Final seminar programme

16:00 - 17:20

Key Note lecture: SERRP Before, During and After Tyrosafe
Steve Phillips (FEHRL, Secretary General)

Road Surfaces Properties Influencing Skid Resistance, Rolling
Resistance and Noise Emissions
Karen Scharnigg (BAST), WP 3 Leader

Environmental Effects and Impact of Climate Change
Peter Roe (TRL), WP 4 Leader

17:00 - 17:20 Discussion on Environmental Effects and Impact of Climate
Change

17:20 - 17:30 Final remarks and open discussion with the experts

17:30 - 20:00 Joint TYROSAFE cocktail with SHRP2 - FEHRL

TYROSAFE - General project information

- EU FP7 Coordination Action
- Consortium:
 - AIT (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
- Website: <http://tyrosafe.fehrl.org>

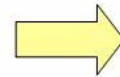


The research leading to the results has received funding from the European Community's Seventh Framework Programme (FP7/2008-2013) under grant agreement n°217920

Background



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



different ...

- measuring policies
- measuring methods
- measured parameters

Interdependencies ??

Concept

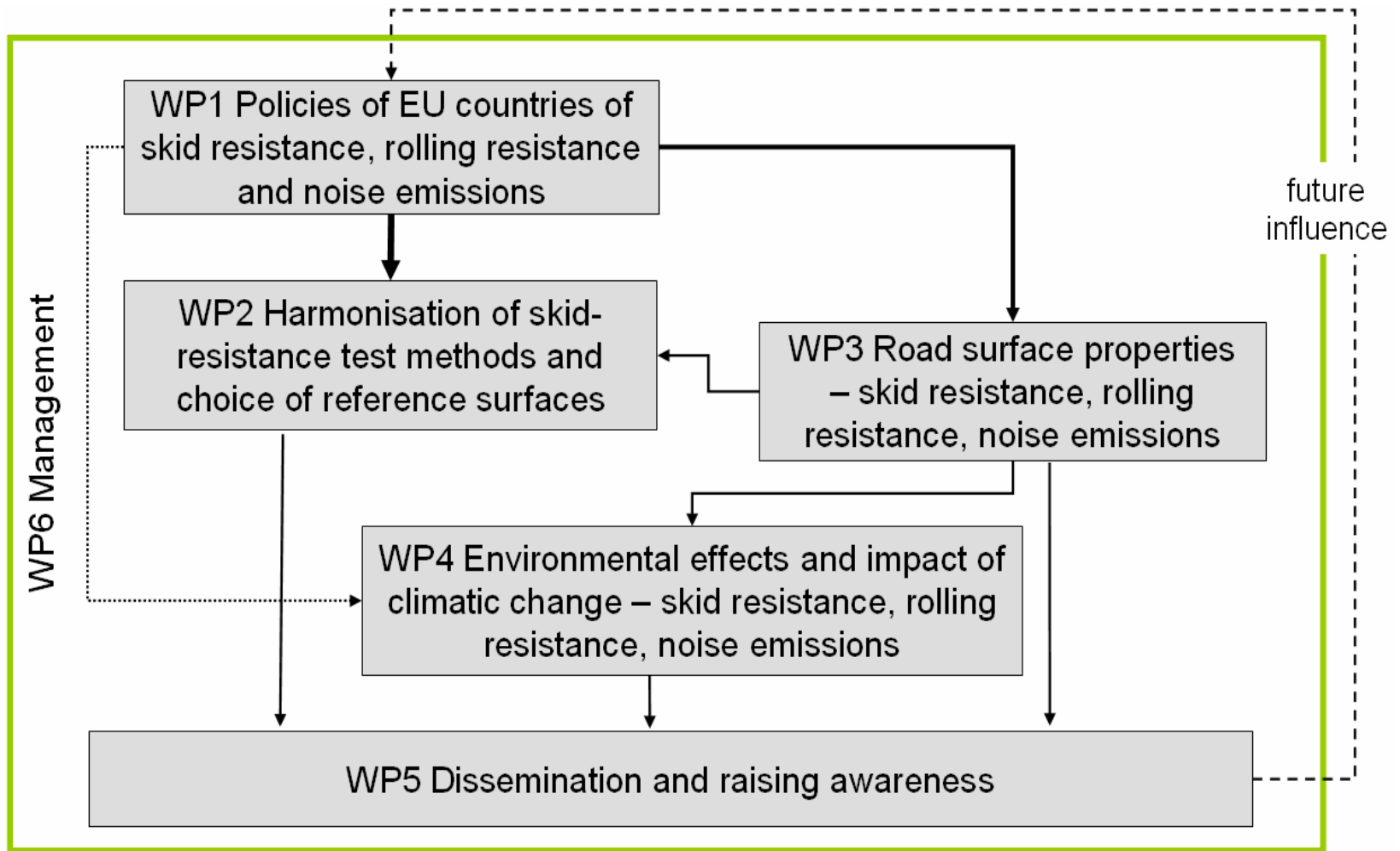


Objectives

- Raise awareness, coordinate and prepare for European harmonisation
- Optimisation of the assessment and management of essential tyre/road interaction parameters
- Increase road safety and support greening of European road transport



Work packages



Expected output and impact

- Expected output and impact:
 - Recommendations for common European policies and approaches concerning the tyre/road interaction effects
- Improved 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
- Greening of Surface Transport
 - Recommendations for optimising road surfaces and tyres towards low rolling resistance (reduced CO₂ production) and noise emission

Project deliverables - highlights

- WP1:
 - D06: Report on policies and standards of all EU countries concerning skid resistance, rolling resistance and noise emissions
 - D08: Recommendations for future harmonised EU policy on skid resistance, rolling resistance and noise emissions

- WP2:
 - D05: Report on analysis and findings of previous skid resistance harmonisation research projects
 - D09: Roadmaps and implementation plan for harmonised skid resistance measurement methods

Project deliverables - highlights

- WP3:

- D14: Interdependencies of parameters influencing skid resistance, rolling resistance and noise emissions
- D15: Report on knowledge gaps and proposals for future research concerning optimisation of road surfaces and tyres for skid resistance, rolling resistance and noise emission

- WP4:

- D12: Report on future research areas for environmental effects
- D16: Report on possible impact of climatic change on road surfaces and tyres with regard to skid resistance, rolling resistance and noise emission

Project website

- Website:

<http://tyrosafe.fehrl.org>

- All public deliverables at:

http://tyrosafe.fehrl.org/index.php?m=49&id_directory=977

- Workshop presentations at:

http://tyrosafe.fehrl.org/index.php?m=49&id_directory=806

- Newsletters under the public link:

http://tyrosafe.fehrl.org/index.php?m=49&id_directory=1034

Online video competition

- Objective: Involve the general public and create awareness for TYROSAFE topics
- Topics:
 - Highlight the role played by skidding resistance for safety on European roads
 - Explain the safety aspects of road surface, tyres, and the interaction between these two through skid-resistance, noise-resistance, and rolling-resistance.
- Visit us at:
 - <http://tyrosafe.fehrl.org>

Online video competition

- Objective: Involve the general public and create awareness for TYROSAFE topics
- Winner:
 - “CARO your car and road science lab”
 - Team: Gregor Salobir, Alma Muminović, Teja Pišek, Ana Repušič, Karmen Vesenjāk, Gregor Švajger
 - Mentoring: Matjaž Šraml, Klemenčič Mitja
 - University of Maribor, Faculty of Civil Engineering
- Visit us at:
 - <http://tyrosafe.fehrl.org>



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**Thank you for your attention
and interest
on behalf of the TYROSAFE team!**