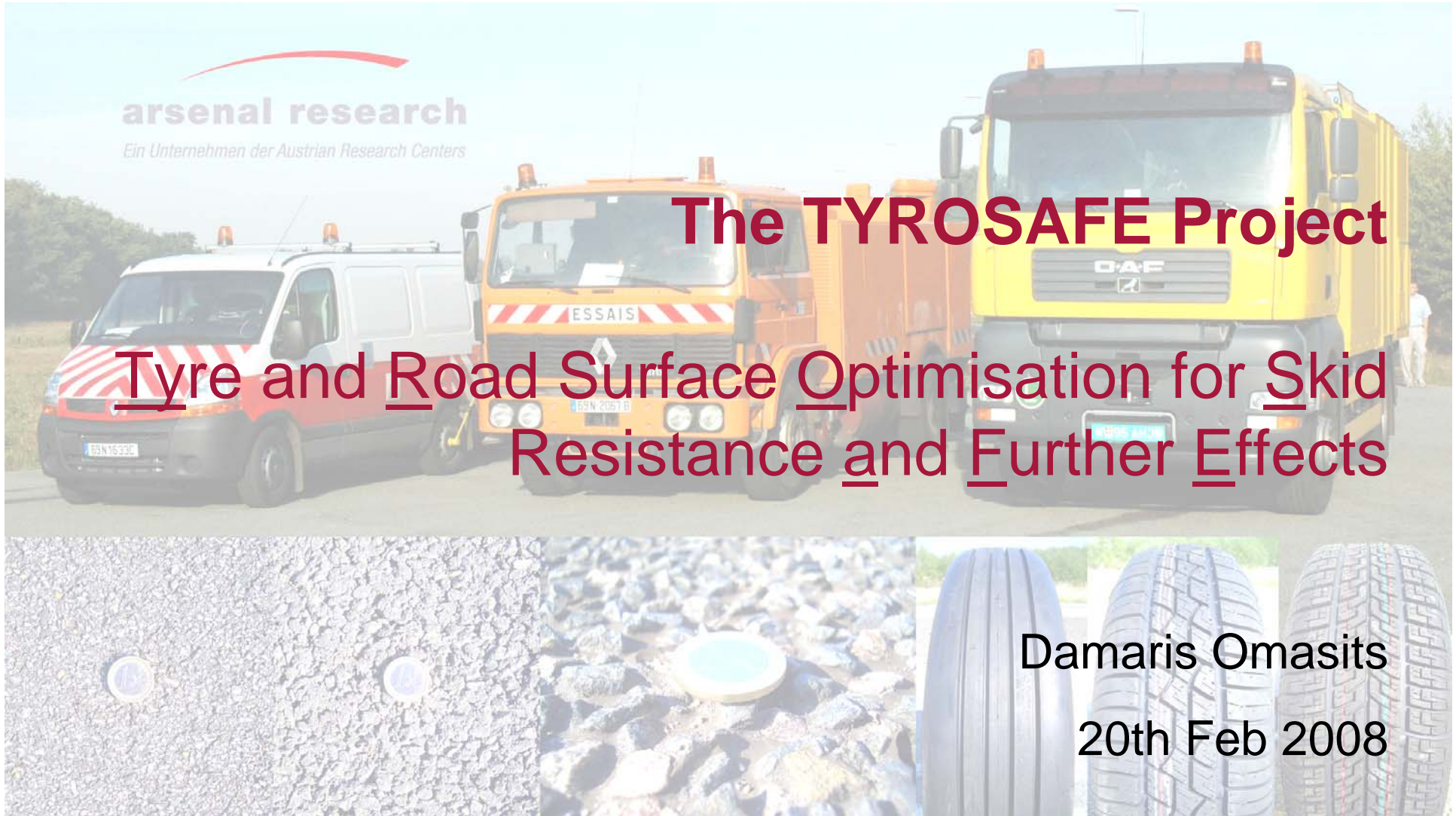


The TYROSAFE Project

Tyre and Road Surface Optimisation for Skid Resistance and Further Effects



Damaris Omasits
20th Feb 2008

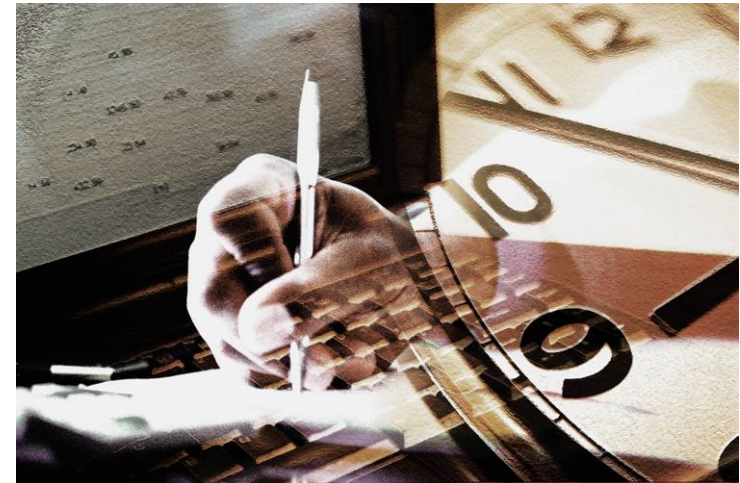
Overview

- Project information
- Background and concept
- Objectives of the project
- Project structure
- Work packages
- Impact

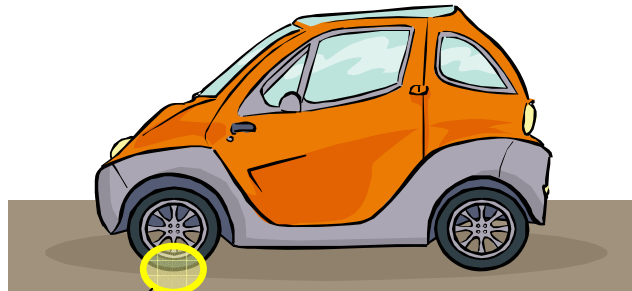


Project information

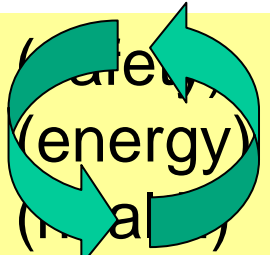
- Negotiation Phase
- FP7 Coordinated Action
- Consortium:
arsenal research (Austria), BASt (Germany), LCPC (France),
RWS-DVS (The Netherlands), TRL (UK), ZAG (Slovenia),
FEHRL (Belgium)
- Duration: 2 years
- Approximately 1.1M EUR total
- Expected starting date: 1st July 2008



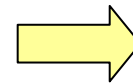
Background



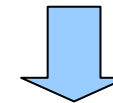
Skid resistance
Rolling resistance
Noise emission



(area)
(energy)
(material)



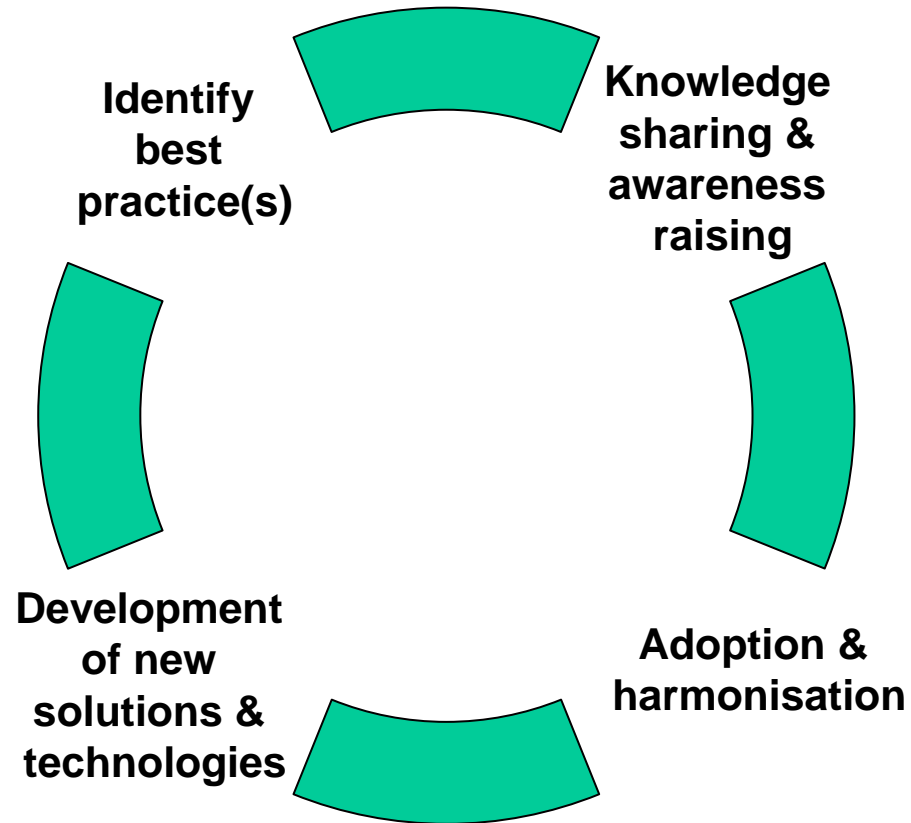
Interdependencies ??



different ...

- measuring policies
- measuring methods
- measured parameters

Concept

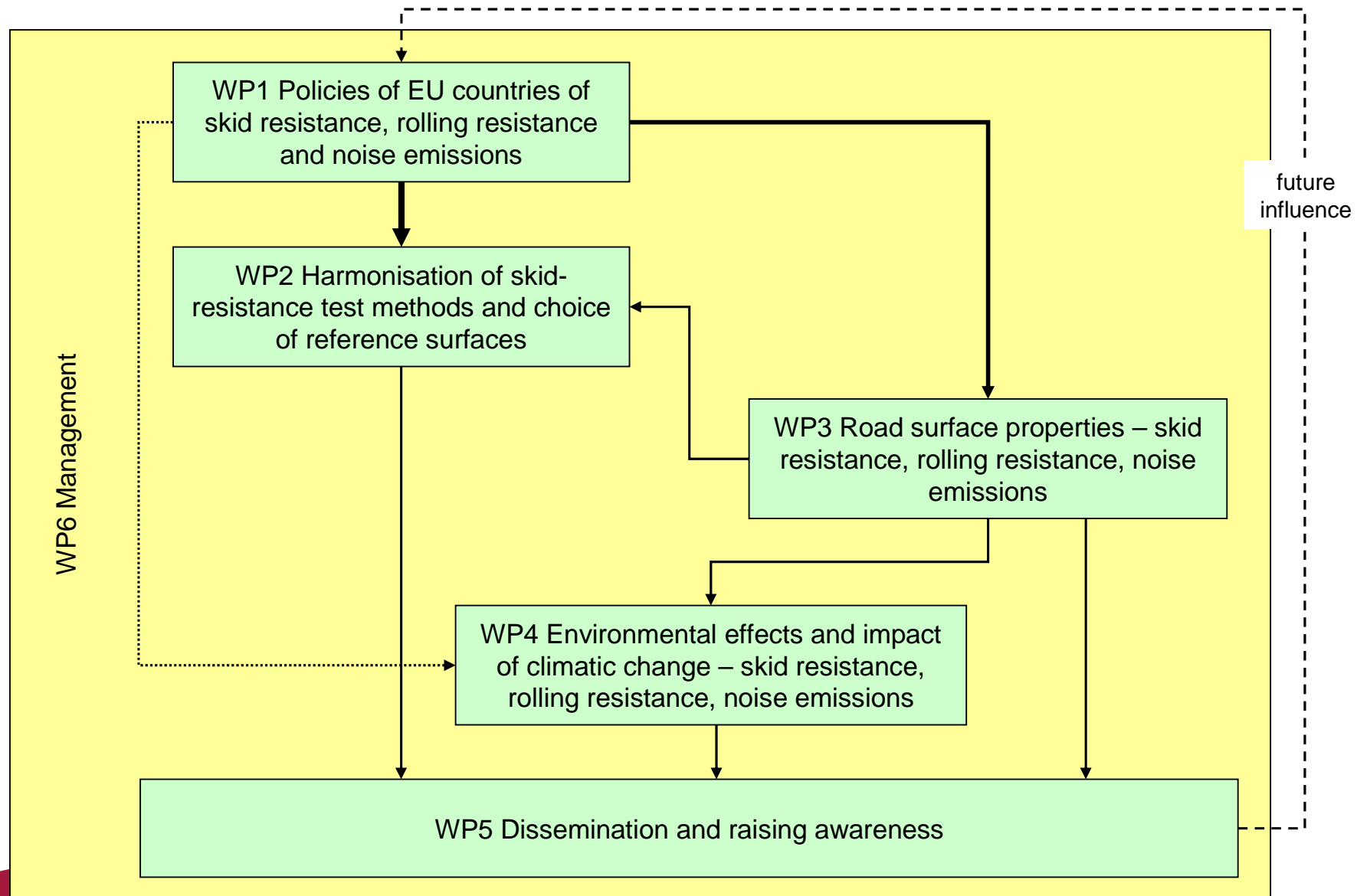


Objectives

- 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



Structure



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

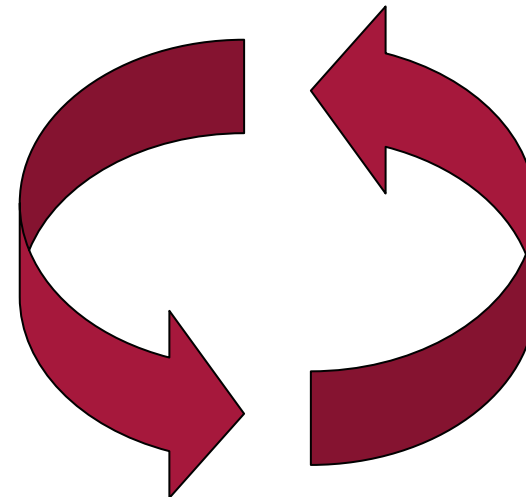
WP2 Harmonisation of skid-resistance test methods and choice of reference surfaces

- 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



WP3 Road surface properties – skid resistance / rolling resistance / noise emissions

- 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



WP4 Environmental effects and impact of climatic change

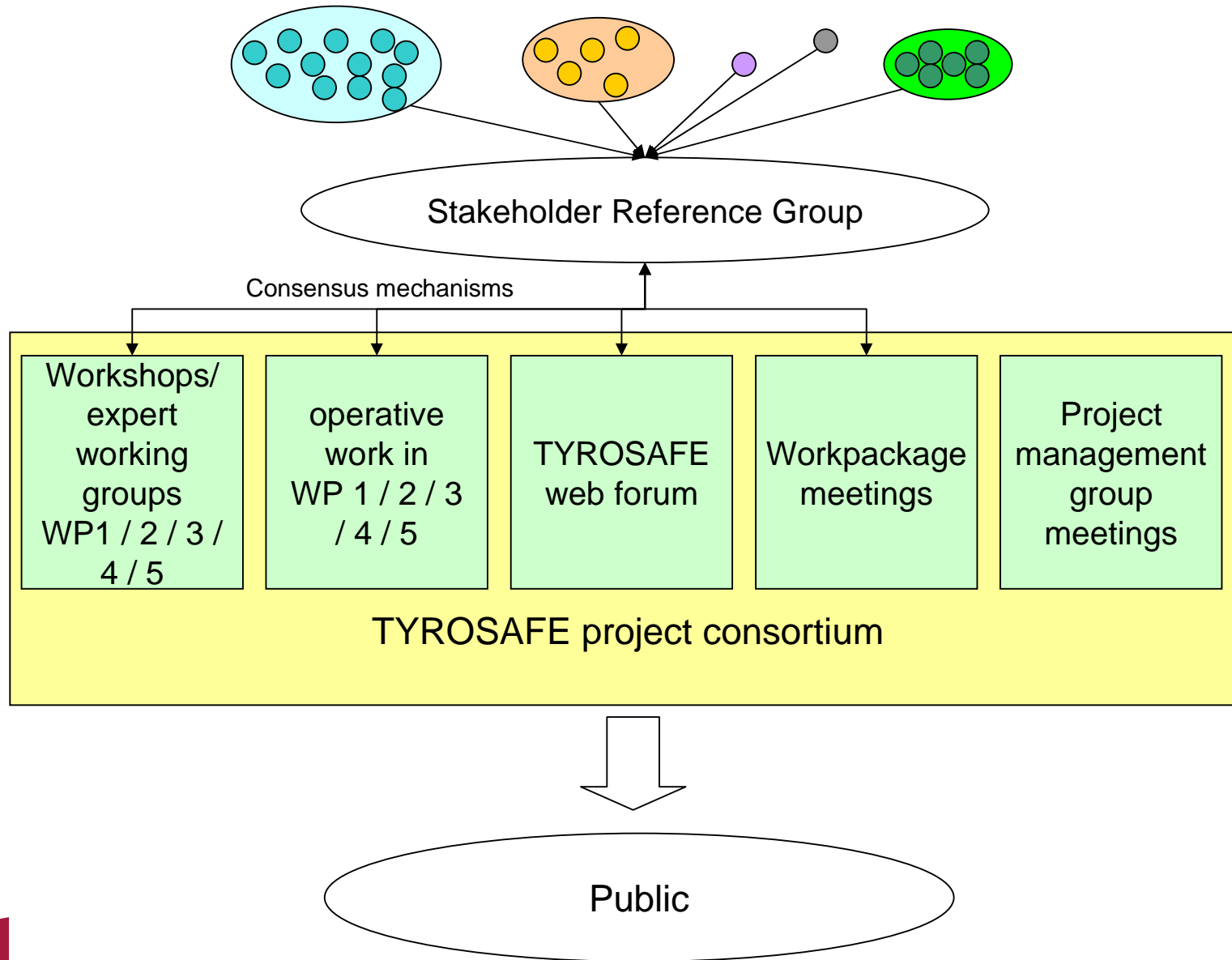
- Identify research areas for possible environmental effects due to optimisation of specific parameters
- Identify possible impact of climatic change on skid resistance, rolling resistance and noise emissions
- Organisation of expert workshop



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

Stakeholder Reference Group



Impacts

- Recommendations for common European policies and approaches concerning the tyre/road interaction effects
- Improving 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

Contact information

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Interested in project progress?
Want to participate at Expert Workshops?
Just send me an e-mail, I will keep you updated!