

PROmoting real **Life** **O**bservations for **G**aining
Understanding of road user behaviour in **E**urope



PROLOGUE: how to realise large scale naturalistic observations?

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What are Naturalistic Observations?



- Passenger cars/motorcycles:
 - Own car/bike: Naturalistic Driving
 - Sensors, camera's: continuous monitoring
 - Acceleration, speed, eye movements, headway, position on road etc.
- Vulnerable road users:
 - Site based observations
 - Interactions
- ICT as facilitator:
 - Large databases
 - Analysing software
 - Small & cheap sensors, camera's

What are Naturalistic Observations?



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Added value of Naturalistic Observations?



- Traditional research: instrumented cars, simulators, police records, in-depth, ...:
 - No natural environment
 - No direct, systematic observation of a conflict, near miss or crash
- Issues for naturalistic observation:
 - the effect of road design characteristics, or weather conditions on the interaction between driver and vehicle;
 - driving style comparison of specific road user groups, e.g. novice drivers;
 - the identification of crash contributing factors;
 - the prevalence of mobile phone or other in-car information devices and the relationship with particular behaviour patterns or crashes;
 - the effect of particular interventions;
 - the interaction between motorised vehicles and vulnerable road users;

Added value of Naturalistic Observations?



- Potential user groups:
 - Research organisations
 - Automotive industry
 - Enforcement
 - Insurers
 - Driver training and licensing agencies
 - Road authorities & Ministries of transport
 - EU
 - Road user organisations
 - Environmental organisations
- 100 cars study
- SHRP2
- 2B Safe

Aims of PROLOGUE



- Prologue is a feasibility study for a large scale European naturalistic observational study
- Output
 - To pick the best technology and methodology
 - To pick the best topics
 - To start coordination
 - To get support
- Outcome
 - Harmonised ND: superior knowledge human behaviour
 - Next generation road safety measures
 - Sustainability, traffic management
 - Economy will profit

PROLOGUE: Outline



	SWOV, Institute for Road Safety Research (co-ordinator)	www.swov.nl	Netherlands
	CERTH-HIT, Centre for Research and Technology Hellas	www.hit.certh.gr	Greece
	KfV, Austrian Road Safety Board	www.kfv.at	Austria
	Loughborough University	www.lboro.ac.uk/research/esri	UK
	Or Yarok	www.oryarok.org.il	Israel
	TNO, Defence, Security and Safety; Human Factors in Transport	www.tno.nl	Netherlands
	TØI Institute for Transport Economics	www.toi.no	Norway
	Training & Testing International Planning and Service GmbH	www.test-and-training.com	Austria
	Universitat de València	www.uv.es	Spain

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- WP 1 Identification of potential areas of application and research questions (TOI)
 - Experiences from previous and current related studies
 - Identification of the interests of different user groups
 - Actual and potential areas of application and related research questions
- WP 2 Methodological, technical and organisational issues and requirements (TNO)
 - Technical issues and requirements
 - Methodological and organisational issues and requirements



- WP 3 Small scaled field trials (Or Yarok)
 - Specification and planning field trials
 - Israel: focus on novice drivers
 - Austria: focus on driver training
 - Netherlands: focus on vulnerable road users
 - Spain: focus on assessment of IVIS
 - Greece: focus on assessment of FCW and LDW
 - Summary and integration of field trials

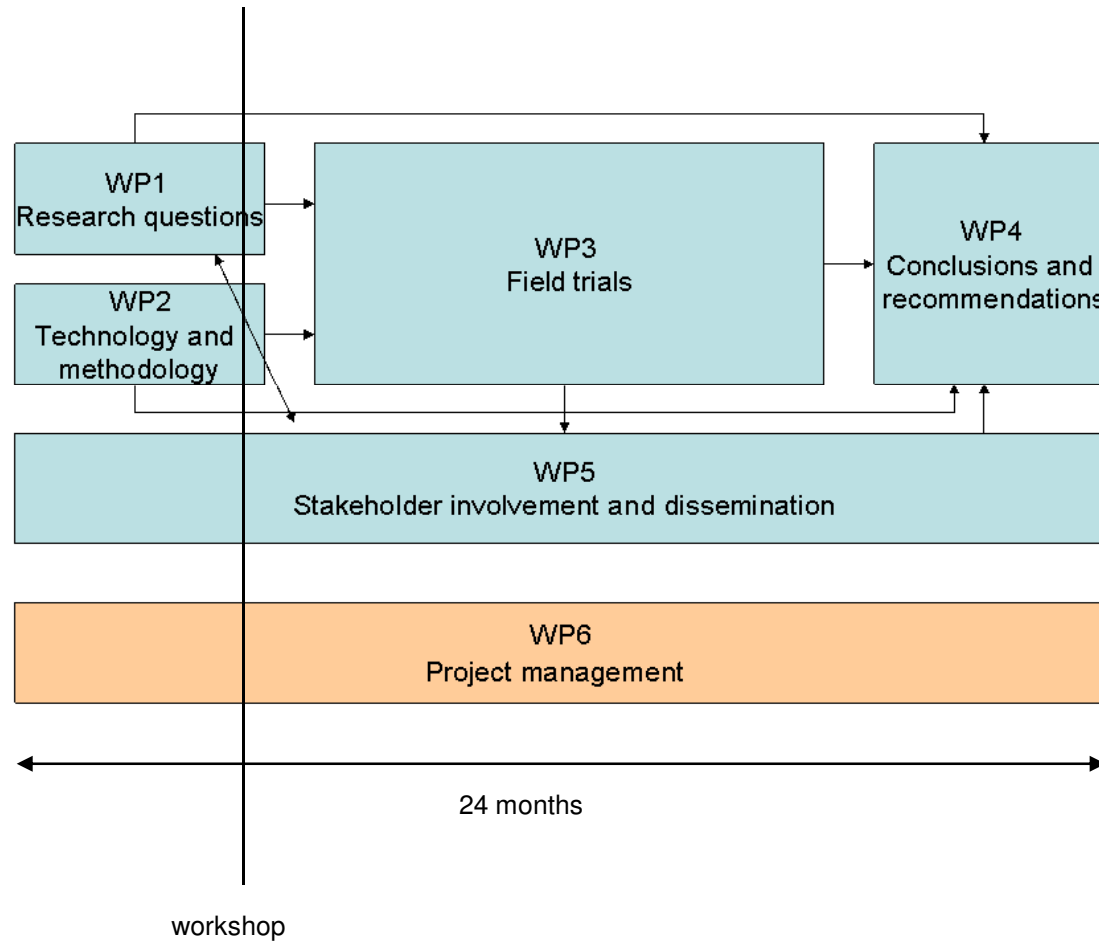


- WP4 Recommendations for a large scale European naturalistic observation study (SWOV)
 - Recommendations for a large scale European naturalistic study
 - Final report: overview of findings and experiences

- WP5 Stakeholder involvement and dissemination of results (KfV)
 - User Forum
 - Dissemination by printed and electronic means
 - Face-to-face communication: 6 workshops
 - Today Brussels
 - 2010: Austria, Greece, Spain, Norway, Netherlands
 - 2011 Final conference: Vienna

- WP6 Project management (SWOV)
 - Financial and administrative management
 - Quality Assurance
 - Advisory Board

PROLOGUE outline



What do we hope to learn from you?



- In general: are we on the right track?
- Suggestions on methodology & technology (workshop 1)
- What kind of knowledge are you looking for? (workshop 2)
- What will you do with that?
- Would you support a large scale study?
- Which steps should we take (extra) to get support
- Any other tips?

- More on prologue-eu.eu



PROLOGUE

Being actively involved in the Naturalistic Driving developments in Europe



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NEWS

1st PROLOGUE workshop

In February 2010 the first PROLOGUE workshop will take place.

[→ READ MORE](#)

PROLOGUE

Information about the project

The project **P**romoting real Life **O**bservations for **G**aining **U**nderstanding of road user behaviour in Europe – for short PROLOGUE...

[→ READ MORE](#)

USER FORUM

Discuss combinations of new technologies

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