



Conférence Européenne
des Directeurs des Routes
Conference of European
Directors of Roads

METHOD

Management of European Traffic using Human-Oriented Designs

Research project funded under the CEDR Transnational Road Research Programme
CEDR Call 2013: Traffic Management - Implementation of Innovation in Traffic Management

CEDR Call 2013: Traffic Management is a Transnational Road Research Programme organised by CEDR (Conference of European Directors of Roads). The funding partners for this programme are Belgium, Finland, Netherlands, Norway, UK and Denmark.

Details	
Acronym:	METHOD
Start:	April 2014
End:	March 2016
Budget:	EUR396.6k
Co-ordinator:	Dr. Nick Reed, TRL, UK
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Partners:	SWOV, Netherlands VTT, Finland TNO, Netherlands TML, Belgium
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Project Summary:

This project specifically addresses Objective 3: Human Factors in traffic management, in the Description of Research Needs (DoRN), in its entirety. It is understood that this programme of work is intended to develop a human factors perspective on traffic management measures in order to get more out of existing measures and future measures taken by the national road administrations in terms of higher throughput and traffic safety.

Objective 3 is broken down into three component parts, which are being addressed as follows:

Part 3.1 'Human factors reflection on existing traffic management measures' will be addressed by:

- Analysing road user needs and behaviours in relation to traffic management measures
- Conducting an inventory of current practices and experiences in European countries
- Assessing the effectiveness of traffic management measures from a human factors perspective (results to be written up in thorough report)
- Producing an appealing and practically useful guidance booklet that will present key lessons learned, international tips and tricks (Europe-centric) and recommendations that will be practical and useful for Traffic Management operatives, all from the perspective of human factors

Part 3.2 'Human factors framework' will be addressed by:

- Reviewing the results of the feed-in project to be conducted in response to Objective 1 of the DoRN: 'Incident Management'
- Reviewing best practice in traffic management operations
- Creating a human factors framework for traffic management professionals that will assist in the introduction of human factors right from the start in future applications of traffic management

Part 3.3 'Human Factors field trials and/or simulator studies' will be addressed by conducting two simulator studies (one in the Netherlands and one in the UK). These will explore new or additional ways to communicate with road users in order to get more insight in human factors in traffic management.

Throughout the project as a whole we will give special attention to measures taken across Europe in order to understand the issues arising from, and obstacles to, harmonisation and interoperability. Results will be disseminated to traffic management professionals and the wider scientific community to ensure a lasting legacy and benefit from the project.

The team assembled to undertake this project is led by TRL (UK), in partnership with SWOV (Netherlands), VTT (Finland), TNO (Netherlands) and TML (Belgium-Flanders). The project team comprises research institutes and academic institutions with demonstrated expertise in the subject areas, including: Human Factors, traffic management and driving simulators.