


The opinions expressed in the studies are those of the consultant and do not necessarily represent the position of the Commission.

## FORMAT

### Fully Optimised Road maintenance

Project details	
Domain	Road and Tunnel Infrastructure
Duration	from 01/02/2002 until 01/01/2005
Website	
Other sources	<a href="#">Transport Research &amp; Innovation Portal</a>  <a href="#">Final Report</a> (2 MB)

The FORMAT project is designed to enhance the efficiency and safety of the European road network by providing the means to reduce the number, duration and size of road works for pavement maintenance purposes. This has the potential to improve safety of both road workers and road users at road maintenance sites. The research also focuses on reducing the associated delays and hence the costs for road users as they negotiate these work zones.

In order to achieve these wide ranging objectives, key aspects of the planning and execution of the pavement maintenance process will be optimised in a fully integrated usable set of pavement maintenance procedures. Four topics key to road pavement maintenance form the subject of this extensive research effort: maintenance techniques, cost benefit analysis, safety at work zones and pavement condition monitoring.

### Coordinator

- [Ministerie van Verkeer en Waterstaat - Dienst Weg- en Waterbouwkunde](#) (NL)

## Partners

- [AUMAR - Autopistas del mare nostrum, S.A.](#) (ES)
- [Belgian Road Research Centre](#) (BE)
- [Centro de Estudios de Carreteras](#) (ES)
- [COLAS S.A. - Road Construction](#) (FR)
- [Danish Road Directorate](#) (DK)
- [Ecole Polytechnique Fédérale de Lausanne - Laboratory of traffic facilities](#) (CH)
- [U.S. Department of Transportation - Federal Highway Administration](#) (US)
- [Institute for Transport Sciences](#) (HU)
- [Laboratoire Central des Ponts et Chaussées](#) (FR)
- [Laboratório Nacional de Engenharia Civil](#) (PT)
- [TRL - Transport Research Laboratory](#) (UK)
- [Technische Universität Karlsruhe - Institut für Strassen- und Eisenbahnwesen](#) (DE)
- [Institute for Road Construction and Maintenance \(Vienna University of Technology\)](#) (AT)
- [VTI - Swedish Road and Transport Research Institute](#) (SE)
- [VTT - Technical Research Centre of Finland](#) (FI)
- [Slovenian National Building and Civil Engineering Institute](#) (SI)