


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

## SAMARIS

### Sustainable and Advanced Materials for Road Infrastructures

Project details	
Domain	Road and Tunnel Infrastructure
Duration	from 01/12/2002 until 01/11/2005
Website	<a href="http://samaris.zag.si/index.htm">http://samaris.zag.si/index.htm</a>
Other sources	 <a href="#">SAMARIS brochure</a> (1,33 MB)

#### Pavement stream

The primary means by which the project will contribute are by encouraging a greater use of recycled components in pavement materials and by the explicit consideration of environmental performance in the design.

The second key objective is to prepare for the harmonisation of European approaches of material specification within the next generation of CEN standards. This will involve moving from a recipe approach, which puts much emphasis on the intrinsic characteristics of the constituents, to a performance-based approach of the in-place products, which allows consideration to be made irrespective of the type of material.

#### Structural stream

The maintenance of concrete structures, be it pre-emptive or for repair or strengthening, is a heavy burden for society not only in financial terms but also as a major potential disturbance of civil systems. The structures part of the project is specifically targeted to support the EU policy to improve the highway structure maintenance with respect to greater efficiency and durability of the applied procedures, resulting in reduced number of necessary road closures. This will lead to considerable reduction of associated costs and increase users' safety. Special attention will be given to the Central European (CE) countries where condition of the highway structures may differ from the EU situation.

#### Coordinator

- [Danish Road Directorate](#) (DK)

## Partners

- [Centro de Estudios de Carreteras](#) (ES)
- European Commission - Directorate Energy and Transport (EU)
- [DHI Water and Environment](#) (DK)
- [Energy Research Centre of the Netherlands](#) (NL)
- [Ecole Nationale des Travaux publics de l'Etat](#) (FR)
- [Ecole Polytechnique Fédérale de Lausanne](#) (CH)
- [Eurovia Management](#) (FR)
- [Road and Bridge Research Institute](#) (PL)
- [Instituto Superior Técnico](#) (PT)
- [Laboratoire Central des Ponts et Chaussées](#) (FR)
- [RGS 90 A/S](#) (DK)
- [Ruhr-Universität Bochum - Institut für Strassenwesen und Eisenbahnbau](#) (DE)
- [Sika Ireland Limited](#) (IE)
- [Trinity College Dublin - Department of Civil, Structural & Environmental Engineering](#) (IE)
- [TRL - Transport Research Laboratory](#) (UK)
- [Brno University of Technology - Faculty of Civil Engineering](#) (CZ)
- [Institute for Road Construction and Maintenance \(Vienna University of Technology\)](#) (AT)
- [University College Dublin - Department of Civil Engineering](#) (IE)
- [Recycled Materials Resource Center \(University of New Hampshire\)](#) (US)
- [Technical University of Catalonia](#) (ES)
- [VTI - Swedish Road and Transport Research Institute](#) (SE)
- [Slovenian National Building and Civil Engineering Institute](#) (SI)