

Sustainable and Advanced Materials for Road Infrastructure Final Seminar of the SAMARIS project

February 16 - 17, 2006



<http://samaris.zag.si>

IF YOUR BUSINESS NEEDS NEW DEVELOPMENTS IN COST-EFFECTIVE USE OF MATERIALS AND TECHNIQUES FOR THE CONSTRUCTION AND MAINTENANCE OF PAVEMENTS AND/OR STRUCTURES, THEN DON'T MISS THIS EVENT!

Guided tour through the results of the project

After three years of coordinated research by 22 partners and their subcontractors, this significant FEHRL project under the EU Growth program, "Sustainable and Advanced MAterials for Road InfraStructures", will complete its work by the end of 2005. It is time then for users to take over and benefit from the results of the project. The final seminar will be a guided tour through the results of the project and an opportunity to meet and discuss with the people who did the work and wrote the reports.

This important event is held at the École Polytechnique Fédérale de Lausanne, near Geneva in Switzerland on February 16 - 17, 2006. It will begin at 2 p.m. on Thursday, February 16 and close the following day at 1 p.m.

The seminar will be structured mostly as two parallel streams of sessions, dealing with the use of alternative materials for pavements and advanced planning and materials for work on concrete structures.

Durable results and safe use of alternative materials for pavements

Road construction and road maintenance will increasingly rely on the use of recycled materials. These may be road materials, deconstruction materials or industrial by-products. Doing so will bring important advantages. These include the saving of natural resources, the reduction of waste disposal. Added to this, there is the decrease of energy and traffic linked with the transportation of road materials when the sources of such alternative materials are closer to the work sites than virgin materials.

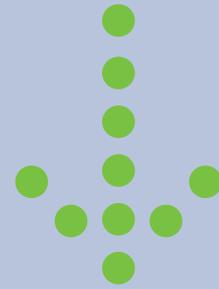
However, to be effective, recycling techniques introducing a variety of unfamiliar materials, must be safeguarded in order to ascertain the durability of the infrastructures, harmlessness to the environment and safety of workers on road sites.

Thus, promoting recycling techniques in road construction and maintenance by securing their use has been the aim of SAMARIS pavement's stream.

The closing project seminar in Lausanne will give the opportunity to present the main results and documents obtained in SAMARIS project and explain how they can now be taken in possession and used optimally by the broad community of end-users.

Some of these results also appeal to researchers since they illustrate the need for more research in some directions, e.g. to complete the development of a functional material design methodology.





Sustainable

Pre-registration

The programme of the seminar is still under preparation and a small seminar fee is foreseen, but not yet fixed. The facilities at EPFL can house some 300 people, so that will be the maximum. You are therefore urged to announce your potential participation to the seminar organising committee in writing to samaris@vd.dk. In doing so you will be sure to receive more detailed information about the seminar as it is developed and released in coming months.

See also the SAMARIS web pages on <http://samaris.zag.si>

Jørgen Christensen

SAMARIS project coordinator

Optimal use of advanced materials for structures

The structure's stream of the SAMARIS project has drawn together findings from the various strands of their research to produce an indication of the condition of structures in Central European countries, guidelines for the optimal assessment of highway structures, guidance on selecting appropriate rehabilitation strategies and guidance for end-users and specifiers in implementing specific innovative rehabilitation techniques.

The seminar will present the guidelines for optimal assessment of highway structures in the context of a comprehensive survey on highway structures in some Central European countries. It will include an overview on condition assessment, traffic modelling and structural safety assessment procedures that are used in these countries. Strategies for rehabilitation will be discussed, informed by case studies drawn from European practice that illustrate the range of options and their appropriate use. The management of risk in implementing innovative repair techniques will be outlined, and specific guidance will be presented on strategies involving corrosion inhibitors and ultra high performance fibre reinforced cementitious materials.

These strands are brought together in the seminar to show how the selection of an appropriate repair solution is based on an informed combination of assessment, strategy and appropriate technique.

Infrastructure

Advanced Materials for Road

