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TRIMM final conference along with ERPUG event

Welcome to the third newsletter for the 36-month FP7 project - "Tomorrow's Road Infrastructure Monitoring and Management" (TRIMM). TRIMM is now in its final six months as it finishes on 30th November 2014 and this newsletter focuses on the final conference, as well as bringing you the highlights of the work carried out in the last few months.

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Joint TRIMM/ERPUG event: Tomorrow's highway monitoring - Needs and possibilities

[Register now](#) for the the TRIMM final conference, planned to be held in cooperation with the [European Profile Users Group \(ERPUG\)](#) on **23rd-24th October 2014** at the [Diamant Center](#) in Brussels. Keynote speakers include Steve Phillips from CEDR and Martin Snaith from Birmingham University (and member of the TRIMM Scientific Advisory Board - SAB).



The meeting will cover the following topics:

- Reducing costs and environmental impact, increasing efficiency and safety
- Enhancing the role of condition data in asset management
- Multipurpose monitoring for application across all levels of road and bridge asset management
- High speed monitoring of road pavements
- Continuous monitoring of bridges
- New and emerging technologies for monitoring
 - Bridges
 - Roads

WORK PACKAGES

[WP1: Project Management](#)

[WP2: Asset Management](#)

[WP3: Advanced Bridge Monitoring Techniques](#)

[WP4: Advanced Road Monitoring Techniques](#)

[WP5: Dissemination and networking](#)

FP7 Collaborative Project

TRIMM is a Collaborative Project from the European Commission's FP7 Work Programme SST.2011.5.2-2 entitled "Advanced and cost effective road infrastructure construction, management and maintenance".



A fee will be charged for the dinner and exhibitors. More information including a detailed agenda will follow in the near future, but it will be THE occasion for all key stakeholders to find out the results and next steps for the TRIMM project and the latest in road profiling and monitoring techniques.

Latest highlights from project

Within **Work Package (WP) 2: Asset Management**, two cases have been selected for the evaluation of cost and benefits with the Social Cost Benefit Analysis tool (product of task 2.3). These cases are selected so that they cover the essential benefits of monitoring. Furthermore, recommendations for the implementation of monitoring techniques in asset management have been drafted.

For **WP3: Advanced Bridge Monitoring Techniques**, a motorway bridge in Austria was tested in terms of modal analysis prior to a change of the bridge bearings. The vibrations measured during vehicle passages across the bridge when the old roller bearings were still in place were compared against vibrations following the installation of the new spherical bearings. Differences in frequencies and mode-shapes will subsequently be analysed and serve as potential input for Finite Element (FE) simulations.

Within **WP4, Advanced Road Monitoring Techniques**, Task 4.2 '*Monitoring Inventory*' has recently finished. Trials were carried out using mobile asset identification equipment in Vienna, and the work is currently under review by the TRIMM SAB. Work on tasks 4.3 and 4.4 is nearing its completion now, as trials of new GPR sensors in Finland and Portugal have concluded, and developments of algorithms for assessing pavement Cracking and Fretting are nearing completion.

Please do not hesitate to join our [Linked In group](#), see <http://trimm.fehrl.org> or contact me at robert.karlsson@vti.se if you would like more information about the project.

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