



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

CEDR Event on Energy Efficient Materials and Technologies for Durable and Sustainable Roads

Date and Programme

Thursday 10 November 2016, BRRC offices in Sterrebeek (Brussels-Belgium)

This event will present the outputs of **CEDR Call 2013 Energy Efficiency**. Plenary sessions in the morning (10:00-12:30) will introduce the research topic and projects while in the afternoon (14:00 -16:30) participants will learn about the projects outputs in interactive workshops. [See page 2 for registration details.](#)

Scope of the event

NRAs have a high demand for sustainable roads with lower energy demands and circular materials. The transition towards these new durable and sustainable products poses practical problems in procurement, product specification and characterization of delivered pavements. The projects this CEDR call have focused on providing tools and methods to solve these issues.

Short description of the projects

CONSISTEND: “Improved quality control to produce durable and sustainable roads”

CONSISTEND has:

- Developed a method to estimate the effect of quality control measures during construction on the expected lifetime.
- Given an overview of commercially available automated techniques like e.g. infrared on a paver, GPS on a roller to improve the quality during construction.
- Provided proposals on how to stimulate the use of Quality Control measures during construction in a tendering process to obtain durable and sustainable roads.

EDGAR: “Evaluation and Decision Process for Greener Asphalt Roads”

EDGAR has:

- Given an overview of energy efficient asphalt materials and technologies and identified concerns and knowledge gaps with respect to their sustainability assessment.
- Derived a set of sustainability indicators specifically for asphalt and investigated existing tools to assess these indicators.
- Developed and demonstrated a methodology to evaluate the overall sustainability of different alternatives by applying a multi-attribute decision method.

FUNDBITS: “Fundamental test methods for durable and sustainable roads”

FUNDBITS has:

- Given an overview of fundamental test methods to characterize durable and sustainable roads. This is necessary as traditional methods are not sufficient.
- Given an advice for implementation of the test methods to the relevant CEN groups



Target audience

The seminar is intended for employees within the NRA's that realize durable and sustainable roads, but also seeks to reach advisors working within the fields of road construction, road maintenance, quality management, environment and asset management. Also participation of other professionals like researchers, contractors and institutions etc. is highly appreciated.

Directions

BRRC offices in Sterrebeek can be reached in less than 15 minutes by car from Brussels-Zaventem Airport and 30 minutes from Brussels South Station, depending on traffic conditions. This will only require a one-day trip from most European locations.

Address:

Belgian Road Research Centre
Fokkersdreef 21
B-1933 STERREBEEK

Registration

Please register for this event here: <http://www.brrc.be/en/cedr>

Participants need to register for this free of charge event (lunch and drinks included) by Friday 4 November.