

EMPA – MATERIALS AND TECHNOLOGIES FOR A SUSTAINABLE FUTURE

As an interdisciplinary research institute of the ETH Domain, Empa, the Swiss Federal Laboratories for Materials Science and Technology, conducts cutting-edge materials and technology research. Empa's R&D activities focus on meeting the requirements of industry and the needs of society, and thus link applications-oriented research with the practical implementation of new ideas. As a result, Empa is capable of providing its partners with customized services and solutions that not only enhance their innovative edge and competitiveness, but also help to improve the quality of life for the public at large.

GENERAL INFORMATION

Location Empa, Dübendorf
Überlandstrasse 129
AKADEMIE

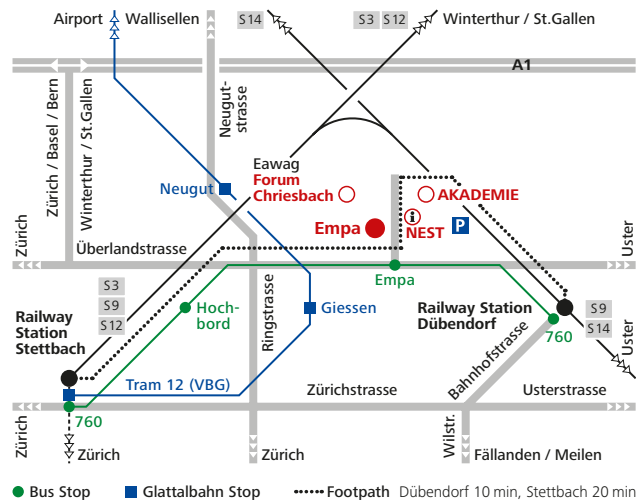
Costs The workshop is free of charge.

Registration lily.poulikakos@empa.ch

Deadline December 1, 2016

Contact Lily D. Poulikakos
Empa, Swiss Federal Laboratories for Materials Science and Technology
Laboratory for Road Engineering/Sealing Components
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Switzerland
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How to get here Please do use public transport.
There is only very limited parking available.



WORKSHOP

Eureka Project Ecovehicle E!7219

Defining road and rail vehicles with a low environmental footprint
Final Workshop:
Labelling environmentally friendly vehicles



Empa, Dübendorf, Überlandstrasse 129
Thursday, December 8, 2016, from 9:30 to 16:30

Online registration: lily.poulikakos@empa.ch

SYNOPSIS

The environmental impact of transport within Europe is increasing due to increased mobility of people and goods. Products for example can be designed in one country, manufactured in another and sold in all European countries while people can live and work in any Member State of the EU. To reduce this environmental impact, the Ecovehicle project is developing the concept of road and rail vehicles with a low environmental footprint and aiming to define a classification for vehicles in order to promote those that are environmentally friendly.

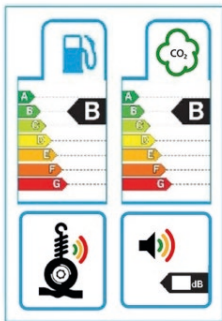
In a series of workshops with stakeholders, the major environmental impacts have been identified and reviewed. These are

- fuel consumption
- carbon dioxide emissions
- damage to the pavement or track
- audible noise

It is proposed to capture this vehicle information in an EU-type label building on the ideas that were developed for the EU tyre label which has resulted in manufacturers developing and making available low noise tyres.

By bringing all the major impacts together on a label, it will enable the manufacturer to promote the concept of environmentally friendly vehicles. It could also provide a basis for applying road usage or track access charges and for internalising some of the external costs currently carried by society.

In this 8th and final workshop of this phase of the project, partners will discuss each of the various impacts and suggest how these could be classified on a label. Stakeholders such as vehicle manufacturers, component suppliers and representatives from Brussels and the relevant Swiss Federal Authorities have been invited to comment on this initiative and how this concept could be taken forward and trialled.



Draft environmental vehicle label with categories for fuel consumption, CO₂ emissions, infrastructure friendly suspensions and noise emissions.

PROGRAM

- 9:30 **Overview of the Ecovehicle project**
Rayner Mayer, Sciotech Projects
- 9:40 **IMPACTS**
Noise (Kurt Heutschi, Empa)
CO₂ emissions (Patrik Soltic, Empa)
Damage to infrastructure (Lily Poulidakos, Empa)
Influence of suspension (Ivo Cerny, SVUM)
Fuel consumption (Christoph Schreyer, BfE)
Discussion
- 10:50 **Coffee break**
- 11:10 **COSTS**
Combining the impact to costs
(Lily Poulidakos, Empa)
Introduction to charging costs
(Rapporteur, EU-Parliament, Transport)
Discussion
- 12:15 **Lunch**
- 13:15 **REGULATION AND LABELLING**
Introduction to role of EU regulation
(Andreas Vosinis, EU)
EU tyre label (Jean-Dominique Perrot, Michelin)
Influence of labelling (Dominique Schneuwly, BAFU)
Environmentally friendly vehicle label
(Rayner Mayer, Sciotech Projects)
Introduction to current labelling initiatives
(Johan Sliggers, Rijksoverheid, NL)
Discussion
- 14:45 **Tea break**
- 15:05 **DEVELOPING AN ENVIRONMENTALLY FRIENDLY VEHICLE LABEL**
Research view point (Luc Goubert, BRRC)
National viewpoint (Jochen Holzfeind, SBB)
EU perspective (Jerker Sjögren, Jesjo Konsult)
Discussion
- 16:00 **Conclusions**
- 16:30 **End of workshop**

REGISTRATION

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Registration

Participation is invited from other interested stakeholders with adequate time for discussion. There is no participation fee, but intending participants should register their interest with

Lily Poulidakos, Empa
lily.poulidakos@empa.ch

as soon as possible.

Proceeding of previous workshops can be accessed at www.empa.ch/ecovehicle.