

THE PEP PARTNERSHIP ON ECODRIVING

Goals, achievements and new projects

November 2016

BENEFITS OF ECODRIVING

Results all from EcoDriving projects all over Europe prove that educated and trained drivers can easily reach fuel reductions of 5-10% for trucks and buses, even up to 20% for cars by practicing the energy efficient driving style. Thus EcoDriving trainings are a very cost effective measure with a number of positive effects:



- Saving of resources and climate protection: EcoDriving can contribute to a substantial reduction in fuel consumption, thus reduce exhaust gases and greenhouse gas emissions
- Reducing health risks: fewer emissions of harmful substances through EcoDriving
- Enhance traffic safety: EcoDriving reduces the risk of accidents

THE AUSTRIAN KLIMAAKTIV MOBIL ECODRIVING INITIATIVE

In 2004, the Mobility Department of the Austrian Federal Ministry of Agriculture, Forestry, Environment and Water Management in cooperation with the Austrian Energy Agency (AEA) and the Federal Branch Association of Driving Schools started the EcoDriving program in Austria. The program is part of the “klimaaktiv mobil” program aiming to reduce greenhouse gas emissions in the transport sector.

Best Practice: EcoDriving at the Austrian National Postbus-Lines

An important result in this regard was the long term statistical evaluation of the fuel consumption of the entire bus fleet of the Austrian National Postbus-Lines.



The pilot training confirmed:

- fuel savings of 6.5% annually, equal to a reduction of diesel fuel consumption of 2 Mio litres,
- cost savings of 3 Million EUR and
- CO₂ emission reduction of 5,000 tonnes

THE PEP PARTNERSHIP ON ECODRIVING

THE PEP partnership on EcoDriving was launched at the THE PEP conference 2014 taking place in Vienna.

Scope and purpose

The partnership may address the following elements:

- Disseminate knowledge and best practices about the concept of EcoDriving and approaches to its implementation
- Exchange experience among partners interested in the promotion of EcoDriving for professional and non-professional drivers
- Provide opportunities for testing EcoDriving approaches, notably within the context of THE PEP relay/race events, other international and national conferences and events
- Support technical twinning programs between partners
- Promote the development of common criteria for certification schemes and training materials for trainers and driving schools;
- Assess the effectiveness of EcoDriving over time.

Work program and proposed Activities

On the basis of the lessons learned a proposal for a work program is being made:

- Formation of the EcoDriving Task Force of the THE PEP Member States, its scope and purpose
- Identification of program goals and activities on EcoDriving in the THE PEP Member States
- Support the development of national/regional EcoDriving programs, including twinning programs
- Review and identification of training materials on EcoDriving for light and heavy duty vehicles

- development of “THE PEP guidelines for EcoDriving”, with recommendations for conducting national projects and programs
- Integration of EcoDriving into national regulations for driver training and education

Achievements and milestones

- Launch of the THE PEP partnership on EcoDriving at the klimaaktiv mobil Conference on 25 February 2014 in Vienna, Austria
- EcoDriving practice day at the klimaaktiv mobil Conference on 26 February in Vienna, Austria
- THE PEP EcoDriving partnership pilot training in Almaty/Kazakhstan in 2014



Impressions from the pilot trainings in Almaty, Kazakhstan

- EcoDriving THE PEP partnership pilot training in Kaliningrad/Russian Federation in 2014
- Partnership coordination meeting with partners from six member states at the THE PEP Conference in Vienna on 14 July 2016. Agreed with partner on activities and program development.
- EcoDriving practice day and testing of electric vehicles provided at the klimaaktiv mobil Conference on 15 July 2016 in Vienna, Austria
- Austria-Swiss cooperation on EcoDriving: Bilateral meeting with representatives from the Swiss EcoDriving Program on 17 October 2016 in Altenrhein, Switzerland. The objective of the meeting was to share experience on ongoing activities and to agree on a possible workshop in Switzerland in 2017.

EPOMM AWARD 2015!

The pilot training and the knowledge gained from the partnership with Russia was rewarded with the 2nd place at the ECOMM Best International Policy Transfer Award with the statement that “the project produced very clear results”.



EPOMM Award ceremony for the THE PEP partnership on EcoDriving: Robert Thaler hands over the EPOMM Award certificate to Rimma Filippova at the THE PEP conference on 14 July 2016 in Vienna.

LESSONS LEARNED FROM THE PILOT TRAININGS

- The EcoDriving training concept is applicable to the traffic conditions in both, Almaty and Kaliningrad metropolitan area
- Driving in and out the bus stop needs special training as there is big potential for fuel saving.
- Fuel consumption monitoring devices are of crucial importance for the success of EcoDriving as they provide the necessary real-time feedback information to the driver allowing to adapt the driving style!
- The provision of technical information to the driver about the vehicle is essential, as the driver needs to know and efficiently use all functions available and displayed on the control panel
- Participants showed a lot of interest in new developments regarding fuel saving technologies, in particular new truck designs

RECOMMENDATIONS FROM THE PILOT TRAININGS

- To spread knowledge and practical know-how on EcoDriving, the establishment of an EcoDriving expert team or task force will be needed
- Development of a strategy for the promotion of the EcoDriving rules, principles and technical background in the country
- Compilation of qualification criteria for trainers and driving schools for EcoDriving
- transfer of know-how and exchange of experience among other institutions and countries:
 - Record the results of each EcoDriving training for further analyses and as reference point
 - Carry out trainings under real driving conditions and develop easy to use notes on EcoDriving like flyers and handouts
 - Monitoring of EcoDriving requires the efficient use of fuel consumption devices. A manual for the drivers explaining the devices in the cockpit should be prepared and made available.

NEXT STEPS

Results from the coordination meeting in Vienna (14 July 2016):

- strengthening of sharing experience and best practices on EcoDriving
- developing guidelines for EcoDriving programs till 2019
- a number of workshops should address the key issues needed for developing EcoDriving guidelines.

Elaboration of “THE PEP Guidelines for EcoDriving”, including:

- elements for the certification scheme for trainers
- EcoDriving training programs for Driving Schools
- EcoDriving trainings for companies and private drivers

The “THE PEP Guidelines for EcoDriving” could be presented at the THE PEP HLM, Vienna 2019

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