

Item 6 (c) of the provisional agenda
**Implementing the Paris Declaration:
THE PEP Partnerships**

Progress update on the activities of THE PEP Partnership on Eco-driving

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I. Background

1. At its 10th Session the Steering Committee decided to initiate a THE PEP Partnership for the promotion of eco-driving, supported by guidelines and tools to assist the development and implementation of eco-driving at the national and local level. THE PEP Partnership on eco-driving implements this decision and contributes to the Goal 3 of the Paris Declaration, aiming at reducing emissions of transport-related greenhouse gases, air pollutants and noise by developing capacities to adopt a driving style that reduces emissions. The Partnership was formally launched at the Austrian THE PEP conference on 25 February 2014 in Vienna.

2. The scope and purpose of the Partnership includes the dissemination of knowledge and best practices about the concept of eco-driving and approaches to its implementation with cars, trucks and buses and agricultural tractors; exchange of experiences among partners interested in the promotion of eco-driving for professional and non-professional drivers; provision of opportunities for testing eco-driving approaches, notably within the context of THE PEP relay-race, other international and national conferences and events; promotion of technical twinning programs between interested partners; development of harmonized criteria for certification schemes and training materials for trainers and driving schools; and the development of approaches to the assessment of the effectiveness of eco-driving and the successful continuation of eco-driving behaviour over time.

3. This document includes below a status update on the activities carried out so far under the Partnership, a summary of its results as well as planned next steps.

¹ This report was submitted to the Secretariat by the Austrian Ministry of Agriculture, Forestry, Environment and Water Management



THE PEP PARTNERSHIP ON ECODRIVING

Goals, achievements and new projects

November 2015

ADVANTAGES OF ECODRIVING

Emissions from transport contribute to an increase of CO₂ concentrations in the atmosphere and thus to global warming. Oil resources are highly stressed by the rising fuel consumption of increasing traffic and exhaust gases of the vehicles affect the health of the population. The number of traffic accidents is still high.

The fuel-saving modern style for driving vehicles, so called "EcoDriving", has great potential to make an important contribution to solve these problems:



- 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

Results 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. All this can be achieved without loss of time or driving comfort – on the contrary, average speed is some 5% higher!

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

At the steering committee meeting of the THE PEP Member States in 2012 it was decided to initiate a partnership for promoting EcoDriving, supported by guidelines and tools to assist the development and implementation of EcoDriving at the national or local level.

Therefore, the new THE PEP partnership on EcoDriving follows up the decision and contributes to the goal 3 of the Amsterdam Declaration reducing emissions of transport-related greenhouse gases, air pollutants and noise by developing capacities to adopt a driving style (“EcoDriving”) that significantly contributes to achieve these goals.

Finally, at the THE PEP conference on 25th of February 2014 taking place in Vienna, the THE PEP partnership on EcoDriving was launched with a kick off workshop.

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 with cars, trucks and buses and agricultural tractors

- Exchange experiences 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,
- Promote the establishment of technical twinning programs between interested partners;
- Promote the development of harmonized criteria for certification schemes and training materials for trainers and driving schools;
- Develop approaches to the assessment of the effectiveness of EcoDriving and the successful continuation of EcoDriving behaviour 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 suitable training programs for driver education for cars, trucks and busses
- Assessment and guidelines for developing EcoDriving programs
- Integration of EcoDriving into national regulations for driver training and education

Achievements and milestones

- Decision of THE PEP Steering Committee meeting to establish the THE PEP partnership on EcoDriving, Geneva, Switzerland (November 2012)
- EcoDriving demonstrations conducted on the occasion of THE PEP Workshop on Sustainable Development of Urban Transport, Moscow, Russian Federation (June 2012)
- Presentation of EcoDriving concept and approaches at the THE PEP Workshop on Green and Health-Friendly Sustainable Mobility, Almaty, Kazakhstan (September 2013);

- Launch of the THE PEP partnership on EcoDriving at the klimaaktiv mobil Conference on 25 February in Vienna, Austria
- EcoDriving demonstrations provided at the klimaaktiv mobil Conference on 26 February in Vienna, Austria
- EcoDriving partnership pilot training: Kazakhstan – Austria
 - EcoDriving training for driving teachers 1 - 2 April 2014 in Almaty
 - EcoDriving training for bus drivers 3 April 2014
 - EcoDriving Workshop 4 April 2014 in the City Hall of Almaty
- EcoDriving partnership pilot training: Russian Federation – Austria
 - EcoDriving training for bus drivers 21 – 23 September 2014 in Kaliningrad
 - EcoDriving Workshop 22 September 2014 Kaliningrad



International klimaaktiv mobil Conference 2014 in Vienna, Austria



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”.

RECOMMENDATIONS FOR NATIONAL ECODRIVING PROGRAMS

Based on the information gathered and impressions gained at the EcoDriving pilot trainings in Kazakhstan and Russia, the following recommendations and possible next steps were suggested:

- To spread knowledge and practical know-how on EcoDriving, the establishment of a national EcoDriving expert team will be needed
- Develop a strategy for the promotion of the EcoDriving rules, principles and technical background

- Summarise qualification criteria for trainers and driving schools for general certification
- Transfer of know-how and exchange of experiences with 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 supplements of EcoDriving guidelines and tips
- EcoDriving needs a fuel consumption device and comprehensive knowledge of the technical devices in the cockpit. A manual for the drivers explaining the devices in the cockpit should be prepared and made available.

These tasks might be implemented by a national task force, consisting of EcoDriving experts. These experts should develop a framework for the program, especially adapted to the situation in the specific country, and lead the EcoDriving promotion. It should also act as a platform for other stakeholders who are interested in the EcoDriving program and for know-how exchange with other institutions. This organisation would also be the responsible for the certification scheme of EcoDriving trainers.

INTERACTIVE THE PEP PARTNERSHIP WORKSHOP

The pilot trainings and workshops build a good basis for THE PEP partnership on EcoDriving. The principle finding is that a number of tasks are needed for setting up a national EcoDriving initiative in a member state. Therefore it is suggested to hold a workshop to present the lessons learned from the pilot training and to discuss possible activities on EcoDriving with the THE PEP member states. Suggested time for the workshop is summer 2016!

Main topics for the workshop are:

- Exchange of information and experience on EcoDriving from the member states
- Present lessons learned from THE PEP pilot trainings
- Review of training materials on EcoDriving for light and heavy duty vehicles
- Recommendations for launching national programs
- Certification scheme for EcoDriving-trainers
- Guidelines for EcoDriving training monitoring and assessment

All THE PEP member states will be invited to participate in the workshop on EcoDriving!