

European Road Safety Charter

Call for Good Practices - to enter the selection for the:

Excellence in Road Safety Awards 2017

Deadline to submit nominations: March 31st, 2017

Submit to charter@paueducation.com

SECTION 1: INFORMATION ABOUT YOUR ORGANIZATION

	Please fill in here	Instructions										
Name of the organization	CDV – Transport Research Centre											
Type of organization	<table border="1"> <tr> <td>SME</td> <td><input type="checkbox"/></td> </tr> <tr> <td>Large business</td> <td><input type="checkbox"/></td> </tr> <tr> <td>Association</td> <td><input type="checkbox"/></td> </tr> <tr> <td>Education/Research institution</td> <td><input checked="" type="checkbox"/></td> </tr> <tr> <td>Local/regional authority</td> <td><input type="checkbox"/></td> </tr> </table>	SME	<input type="checkbox"/>	Large business	<input type="checkbox"/>	Association	<input type="checkbox"/>	Education/Research institution	<input checked="" type="checkbox"/>	Local/regional authority	<input type="checkbox"/>	Please tick one box
SME	<input type="checkbox"/>											
Large business	<input type="checkbox"/>											
Association	<input type="checkbox"/>											
Education/Research institution	<input checked="" type="checkbox"/>											
Local/regional authority	<input type="checkbox"/>											
Organization main activity	CDV – Transport Research Centre is the only scientific research public institution under the Ministry of Transport. CDV was established in 1992 as a successor to the Transport Research Institute in Žilina and is now, since 2007, a public research institution. CDV has a certificated quality management system ČSN EN ISO 9001:2001. The basic purposes of the centre are research and development activities, processing expertise, ensure projects and services for Ministry of Transport, as well as providing expert opinions for authorities, both public and commercial entities. CDV employs more than 150 workers, among whom are experts from all modes of transport.	Activity field										
Country	Czech Republic	Country of the organization										

Website	http://www.cdv.cz/en/	Organization website
Contact person	Jiri Ambros, PhD	For the follow-up of the application
Contact person's position	Head of Road Safety Evaluations and Strategies Department	
Contact person's email address	jiri.ambros@cdv.cz	
Contact person's phone number	+420 541 641 362	
Partners in the initiative	Two road agencies (one national and one regional)	Your main partners in delivering the road safety activity

SECTION 2: DESCRIPTION OF THE INITIATIVE

	Please fill in here	Instructions
Date of start and end of the initiative	It has started in the end of the IDEKO project from the end of 2015. The benefits from the project are valuable and we are using the results till today.	The initiative can be new or the continuity of already existing activities. It can have ended recently or be still in process.
Departments/persons involved internally	Road Safety Evaluations and Strategies Department Traffic Surveys and Road Design Department	In the case of persons, indicate their positions.
Geographical scope of the activities	The South Moravian Region in the Czech Republic	Indicate where the activities were

		implemented.
Summary of the initiative	The objective of project "IDEKO" was to develop methods and tools for identification and treatment of hazardous road locations. This process has traditionally been simple: exceeding predefined number of accidents meant it was flagged as hazardous. Nevertheless this approach has been found statistically unreliable, mainly due to regression to the mean (random variations of small accident frequencies). In practice, it means that limited funds may be wasted on incorrectly identified locations.	Describe the initiative indicating the subject, its aims and the main activities it involves. Max: 100 words
Innovative character	Several modern alternatives have recently been used, including empirical Bayes (EB) methodology, which improves results via accident prediction models. Other option is proactive use of risk index, obtained from road safety inspection through driving with instrumented vehicle (without waiting for accidents). Inspection vehicle is equipped with data collection instruments. The collected data serve for georeferencing, road section description and analysis of safety features.	If applies, describe to what extend the proposed initiative will lead to new approaches and practices in road safety. Max: 100 words
Issues that are addressed with the initiative	On each decision-making level a road safety management system should be established and operated. It starts with identification of hazardous road locations, followed by their analysis, priority setting, proposal and application of countermeasures, and evaluation of effectiveness. The system leads to rational use of limited resources for safety improvement; otherwise there is a risk of selecting incorrectly identified locations and applying unproven measures.	Describe the issues identified leading to implement the road safety activities. Max: 100 words

<p>Activities developed</p>	<p>We focused on South Moravian region (national and regional roads – those categories are managed by two agencies). The whole 2nd class road network in Czech region of South Moravia was used. The network was segmented into intersections and section between them. We collected necessary data (accidents, traffic volumes, road parameters) for each segment. With this data accident prediction models were developed and applied according to EB methodology. The result was safety ranking of segments. We listed the top locations (the ones with the highest potential for safety improvement) and handed them over to road agencies. In parallel, we created on-line maps with all results, where it is possible to select the locations based on one of three priority levels. Road agency may thus shape investments according to the available budget. After meetings and discussions with road agency by the end of 2015, they welcomed and accepted the results. To confirm their commitment they created a special fund (20 million CZK = 740 000 €), devoted as a financial source for follow-up road safety treatments on the identified locations.</p>	<p>Describe all the activities involved in the initiative, and where appropriate indicate the arrangement for each partner's participation.</p> <p>Max: 600 words</p>
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<p>Genesis</p>	<p>The idea was to develop a transferable model, which would ease up on demands on data collection and modelling efforts and would thus increase effectiveness of the network safety ranking process and lower the costs of safety countermeasures. One tool (road safety inspection - RSI) included in EU Directive 2008/96/EC has been effectively used within the project and immediately has been applied on lower class roads.</p>	<p>Describe the reasons why you have chosen this initiative.</p> <p>Max: 100 words</p>
<p>Transferability and multiplier effect</p>	<p>This initiative will allow to apply similar principles in every region of the Czech Republic, especially while making road safety decisions and investments decisions making the roads safer. These principles could motivate other road agencies.</p>	<p>Describe to what extent the proposed initiative will allow the transfer, dissemination or application of the results, experience</p>

		and knowledge gained as well as the good practices on a larger scale. Max: 200 words
Promotion and dissemination	Several articles have been published or presented on some conferences or other meetings. The main conclusions are involved in outcomes of the IDEKO project. There are information about the project on CDV website (www.cdv.cz). The main dissemination about this practical implementation into the practice will be presented at the workshop "Current issues of road management and maintenance" in Znojmo between 3 rd and 4 th May 2017.	Describe whereby the initiative will be publicised (publications, events, websites, CD-ROM, etc.). Max: 100 words
Continuity	We have no current plans to continue some activities in coming years. There is only one possible activity, that other regions in Czech Republic will ask CDV for carrying out similar process in their own regions. We have such information pointing to the future.	Indicate if there is a plan to continue some activities in the coming years. Max: 100 words
Evaluation of the activities	There is no relevant evaluation method developed yet.	If relevant, describe the proposed evaluation method and the performance indicators in relation to the expected objectives. Max: 100 words
Other important aspect that you want to underline	---	Any information that could help the jury to evaluate your initiative. Max: 100 words