



WORKSHOP

"International Climate Change Adaptation Framework for Road Infrastructure"

PLACE: Hotel Meliá Cohíba, Havana, Cuba

Fecha: November 10, 2017

CONTEXT

Many countries face common problems related to the effects of climate change on transportation. Some of these countries have pursued adaptation strategies, but separately and often without the benefit of lessons learned from other countries. Other countries do not have the resources to develop adequate strategies or to identify practical responses, and so their transportation infrastructure remains vulnerable to increased damage from climate change impacts.

The purpose of this Climate Change Adaptation Framework for Road Infrastructure is to assist transport decision-makers in developing appropriate climate change adaptation responses for their road transportation infrastructure.

The framework is based on collective experience of countries in addressing the impacts of climate change on road transport infrastructure and network operation will therefore be helpful to all countries. Recent examples of extreme weather events, which have occurred all over the world, underscore the need for such a framework. This framework lays out a process to identify transportation assets that might be vulnerable to climate change impacts, evaluate the level of risk, and provide guidance on when to make an adaptive response. It identifies the key issues to be considered at each step of the process, and points to resources and examples that will help to conduct or guide the analysis.

GOAL

Provide the participants with knowledge on the "International Climate Change Adaptation Framework for Road Infrastructure". Using this tool can be an effective and useful mechanism for identifying risks associated with climate change phenomena, and its risks that can be evaluated and prioritized, so that those that are determined with a high impact on the transport network can be addressed through the development strategies and adaptation responses, and that such actions can be incorporated into the investment programs of road agencies.

PARTICIPANT PROFILE

Decision makers and technical experts from any road agency, whether at the national or regional level, which are strongly linked to the operation and maintenance of roads, particularly in dealing with the risks associated with climatic phenomena.



WORKSHOP

"International Climate Change Adaptation Framework for Road Infrastructure"

PLACE: Hotel Meliá Cohíba, Havana, Cuba

Fecha: November 10, 2017

Schedule		Topics	Remarks
14:00	14:15	Opening and presentation of the workshop.	
14:15	14:45	The impact on road infrastructure associated to climate change.	
14:45	15:00	Terminology and Concepts.	
15:00	15:30	General Description of the Framework.	
15:30	16:15	Stage 1 : Identifying 1.1 Establishing assessment scope and aims. 1.2 Defining key tasks and delivery plan. 1.3 Early stakeholder engagement and establishing roles and responsibilities. 1.4 Assessing vulnerability. i) Selecting assets and locations for inclusion. ii) Assessing exposure. iii) Assessing sensitivity. iv) Calculating vulnerability levels. 1.5 Assessing adaptive capacity. 1.6 Assessing climate change projections and scenarios.	
16:15	16:30	Coffe-Break	
16:30	17:00	Stage 2: Assessing 2.1 Assessing impact probability. 2.2 Assessing impact severity. 2.3 Establishing Risk Scores.	
17:00	17:30	Stage 3: Developing and Selectig 3.1 Identification of adaptation responses and strategies. 3.2 Selection and prioritization of adaptation responses and opportunities. i) Multi-Criteria Analysis. ii) Cost-Benefit Analysis. 3.3 2.7 Development of an Adaptation Action Plan or Strategy	
17:30	18:00	Stage 4: Integrating 4.1 Incorporating recommendations and requirements into programmes, processes and investments. 4.2 Education, Awareness and Training. 4.3 Effective communication. 4.4 Developing a business case.* 4.5 Future planning and monitoring.	
18:00	18:15	Conclusions, Recommendations, Future Opportunities.	