

International Conference on Raising awareness on adaptation of transport infrastructure to climate change impacts

Athens, 18 & 19 November 2019

Programme

Day 1, 18 November 2019 (9:00 to 17:20)

Session I. Opening statements and welcome (9:00-10:00)

Mr. Konstantinos Karamanlis, Minister of Infrastructure and Transport of Greece

Mr. Nicholas Rodopoulos, Chairman, Hellenic Logistics Association

Mr. Konstantinos Alexopoulos, Chief, Transport Facilitation and Economics, Sustainable Transport Division, United Nations Economic Commission for Europe (UNECE)

Mr. Piet De Wildt, Senior Advisor, Ministry of Infrastructure and Water Management, Netherlands

Session II. Climate change impacting transport is a reality (10:00- 10:30)

Climate, climate change, their impact and resilience building – Dr. Boram Lee, Senior Scientific Officer, World Climate Research Programme, World Meteorological Organization

and

Observed and projected impacts from climate change on transportation systems – Prof. Adonis Velegrakis, Professor in Marine Geology, Department of Marine Sciences, School of Environment, University of the Aegean

Session III. Adaptation of transport infrastructure to climate change – perspective of international organisations (10:30-11:30)

The UNFCCC process - focus on adaptation in transport – *Mr. Walters Tubua, United Nations Climate Change Secretariat (UNFCCC)*

Climate change impacts and adaptation for international transport networks: key issues and related UNCTAD work – *Ms. Regina Asariotis, Chief, Policy and Legislation Section, Division on Technology and Logistics, United Nations Conference on Trade and Development (UNCTAD)*

Climate change impacts and adaptation for international transport networks – UNECE perspective – *Mr. Konstantinos Alexopoulos, Chief, Transport Facilitation and Economics, Sustainable Transport Division, United Nations Economic Commission for Europe (UNECE)*

European Commission's strategy and policies about adaptation to climate change Perspective of European Commission – *Dr. Aris Christodoulou, Scientific Project Officer, European Commission, Joint Research Centre*

Coffee break (11:30-12:00)

Session IV. Exchange of experience and lessons learned

(a) Road infrastructure – climate change impacts and adaptation (12:00-15:10)

Challenges from Climate Change to all Season Roads in Canada – *Dr. Lukas Arenson, Principal Geotechnical Engineer, BGC Engineering Inc.*

Climate Change is here and the impact on roads should not be ignored – *Mr. Bill M. Halkias, President International Road Federation (IRF)-Geneva, Switzerland/Managing Director & CEO, Attica Tollway Operations-Athens/Greece*

Development of a Climate Adaptation Strategy for the InnovA58 highway in the Netherlands – *Mr. Mark de Bel, Economist, Ministry of Infrastructure and Water/ DELTARES*

Lunch break (13:00-14:30)

Is it possible to be ready for climate change impacts in terms of our roads – *Dr. Leyla Ünal, Division Director, General Directorate of Turkish Highways*

Influence of weather and climate extremes on supra-regional traffic flows –
Stress test scenario Middle Rhine – *Mr. Martin Klose, Federal Highway
Research Institute (videoconference)*

**(b) Rail infrastructure – climate change impacts and adaptation
(15:10-15:50)**

PKP PLK climate change adaptation strategy – *Ms. Małgorzata Kopczyńska,
Chief Specialist, Development and Technical Standardisation
Department, PKP Polish Railway Lines (PKP PLK)*

Climate change and adaptation: Greek coastal areas and transport
infrastructure – *Prof. Coccossis Harry, Emeritus Professor of Spatial and
Environmental Planning, University of Thessaly, Collaborator of
diaNEOsis*

Coffee break (15:50-16:20)

**(c) Inland waterway, ports and terminals – climate change impacts and
adaptation (16:20-17:20)**

Port operations and climate impact: An update – *Mr. Sotirios Theofanis,
Chairman of the Board of Directors THPA, Managing Director THPA*

Sea level changes, guidelines and adaptation for ports and other coastal
infrastructure – *Ms. Ásta Thorleifsdóttir, Senior Adviser, Department of
Transport and Infrastructure, Ministry of Transport and Local
Government of Iceland*

Forecasting the impacts of climate change on waterborne transport – an
analysis of European inland waterways and ports – *Dr. Aris
Christodoulou, Scientific Project Officer, European Commission, Joint
Research Centre*

Day 2, 19 November 2019 (10:00 to 17:00)

Opening of day 2

Climate change impact in the transportation infrastructure: looking for the solutions – *Prof. John Maniatis, former Minister of Environment, Energy & Climate Change, Associate Professor at University of Piraeus*

Session V. Projections of climate change relevant to transport (10:15-11:30)

Using climate projections to inform adaptation planning – *Dr. Paul Bowyer, Senior Scientist, Climate Service Center Germany*

Projections for sea level rise – *Prof. Adonis Velegarakis, Professor in Marine Geology, Department of Marine Sciences, School of Environment, University of the Aegean*

Panel discussion on analysis of climate change impact on transport

Moderator: *Mr. Lukasz Wyrowski, Economic Affairs Officer, Sustainable Transport Division, UNECE*

Panel Members:

- *Prof. Adonis Velegarakis, Professor in Marine Geology, Department of Marine Sciences, School of Environment, University of the Aegean*
- *Dr. Paul Bowyer, Senior Scientist, Climate Service Center Germany*
- *Ms. Regina Asariotis, Chief, Policy and Legislation Section, Division on Technology and Logistics, United Nations Conference on Trade and Development (UNCTAD)*

Coffee break (11:30-12:00)

Session VI Analysis of future climate change impacts on transport

(a) Climate projections in Geographic Information System (12:00-12:45)

Results of the analysis of future climate changes impacts on transport from the UNECE Group of Experts on Climate Change Impacts and Adaptation for Transport Networks and Nodes available in the UNECE

[Geographic Information System](#) – *Mr. Martin Dagan, Economic Affairs Officer, Sustainable Transport Division, UNECE*

Lunch break (12:45-14:00)

(b) Exposure, Sensitivity, Criticality analysis (14:00-15:30)

[Lessons Learned on Assessing Climate Risk](#) – *Ms. Elizabeth Smalley, Manager, Adaptation Policy, Transport Canada*

[Risk analysis methodology to study impacts from climate change on transport infrastructure in France](#) – *Ms. Florine WONG, Officer in charge of International Affairs, French Ministry for an Ecological and Solidary Transition, in charge of Transport, Directorate General for Infrastructure, Transport and the Sea, Research and Prospective Studies Division*

[Polish practice in carrying out sensitivity, vulnerability and risk analysis for the identification of hotspots on transport infrastructure due to climatic factors](#) – *Mr. Piotr Czarnocki, Ministry of Environment of Poland (videoconference)*

Coffee break (15:30-16:00)

Session VII Next steps and recommendations (16:00-16:45)

[Future work of the UNECE Group of Experts on assessment of climate change impacts and adaptation for inland transport, recommended actions to countries](#) – *Mr. Lukasz Wyrowski, Economic Affairs Officer, Sustainable Transport Division, UNECE*

[Discussion](#)

Session VIII Closure of the Conference (16:45-17:00)