

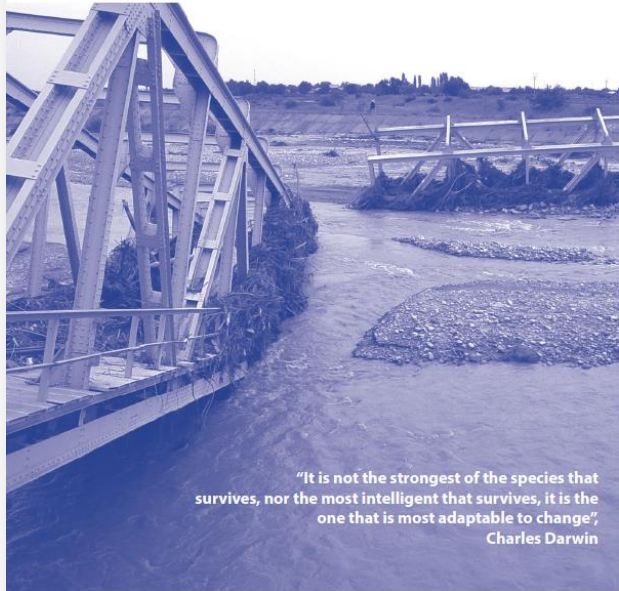


**Group of Experts on  
Climate Change impacts and  
adaptation for transport networks and nodes  
Seventh session (Geneva, 3-5 June 2015)**

*"It is not the strongest of the species that survives, nor the most intelligent that survives, it is the one that is most adaptable to change";  
Charles Darwin*

UNITED NATIONS ECONOMIC COMMISSION FOR EUROPE

## Climate Change Impacts and Adaptation for International Transport Networks



UNITED NATIONS

The Group of Experts on Climate Change Impacts and Adaptation to International Transport Networks completed its work in 2013 and submitted a full report of its accomplishments. The Committee may wish to note that the final report of the Group was published as a UNECE publication and it is meant to raise awareness on the importance of climate change adaptation (Informal document No. 8).

## Impacts of climate change on international transport networks and adaptation requirements

Documentation: ECE/TRANS/2015/6, Informal document No. 8 (UNECE publication)

**32.** The Committee recalled that the Group of Experts on Climate Change Impacts and Adaptation to International Transport Networks had **completed its work** in 2013 and had submitted a full report of its accomplishments. The Committee noted that the final report of the Group had been **published** as a UNECE publication as a means to raise awareness on the importance of climate change adaptation.

**33.** The Committee noted that WP.5, at its last session, had considered **continuing the work of the Group of Experts** in order to address this topical issue in more detail (ECE/TRANS/WP.5/56 paras. 40-43). The next phase of the Group would analyse: (i) the need for establishing inventories of transport networks in the ECE region that are vulnerable to climate change impacts and (ii) the usage or development of models, methodologies, tools and good practices to address potential and/or extreme hazards (e.g. high temperatures, floods) in selected inland transport infrastructure in the region.



Inland Transport Committee / Seventy-seventh session / Geneva, 24–26 February 2015

## **Impacts of climate change on international transport networks and adaptation requirements**

Documentation: ECE/TRANS/2015/6, Informal document No. 8 (UNECE publication)

**34.** The Committee thus decided to **support the continuation for two more years** of the work of the Group of Experts on Climate Change Impacts and Adaptation for International Transport Networks, according to the UNECE Rules and Regulations,; pending approval by the Executive Committee (EXCOM), and based on the Terms of Reference contained in document ECE/TRANS/2015/6 and approved the **change of the name** of the Group to “Group of Experts on Climate Change Impacts and Adaptation for Transport Networks and Nodes”; and requested that the secretariat should ensure that all relevant documentation of the group meetings during 2015 (June, December), 2016 and 2017, such as agendas, reports and series of official documents relevant to climate change impacts and adaptation to transport networks, is provided in the three official languages of UNECE on time.

**35.** The Committee took note of **the twenty-first United Nations Climate Change Conference (COP21)** that will be held in Paris, France from 30 November to 11 December 2015 with the objective to achieve a legally-binding and universal agreement on climate; and requested the secretariat to explore synergies and potential contributions to this important Conference.



The **next phase** of the Group would analyze:

- (i) the need for establishing inventories of transport networks in the ECE region that are vulnerable to climate change impacts and
- (ii) the usage or development of models, methodologies, tools and good practices to address potential hazards of an extreme nature (e.g. high temperatures, floods) in selected inland transport infrastructure in the ECE region.
- (iii) Identification and analysis of case studies focusing on the potential economic, social, and environmental consequences of the climate change impacts and provide a cost/benefit analysis of the adaptation options.

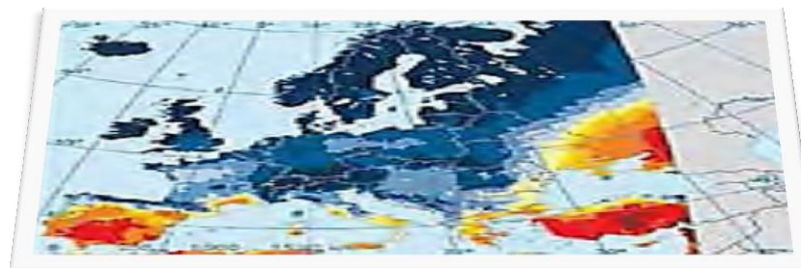
### 1<sup>st</sup> STEP

Transport networks (road, rail, IWT, ports and Intermodal hubs) of International and National importance in GIS map



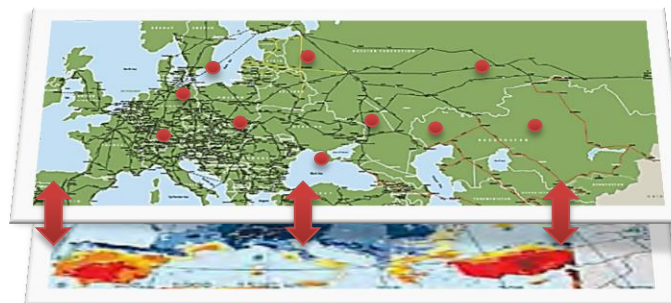
### 2<sup>nd</sup> STEP

Projections for different Climate Change impacts such as floods, permafrost, sea level and droughts in GIS maps



### 3<sup>rd</sup> STEP

Identification of Hot Spots (database) by putting the two maps together. Cost benefit analysis for specific case studies for each transport mode and C.C impact.





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# Thank You!

