

Climate Change Adaptation for International Transport Networks (CCAITN)

Organizations making the Commitment: *United Nations Economic Commission for Europe (UNECE) that services the Inland Transport Committee*

Select Primary Sustainable Development Area: *sustainable transport*

Other Sustainable Development area: *climate change, sustainable cities, sustainable transport infrastructure, sustainable transport networks*

Keywords: *infrastructure, adaptation, technical specifications, policy, transportation, mobility, passenger transport, freight transport, energy, CO₂ emissions, decision-making, strategic planning, measurement, indicators*

Which Major Group does your organization identify with: *United Nations & Inter Governmental Organizations*

Location of where commitment is being implemented: *Global*

What will be achieved by the time commitment is fully delivered (max 100 words):

Climate Change Adaptation for International Transport Networks (CCAITN) identifies potential climatic impacts on transport infrastructure; determines the costs of climatic impacts for international inland transport networks, including the broader implications for trade and development of impacted countries and identifies the requirements for corresponding adaptation responses; Identifies existing best practices in national policies and risk management as well as formulation of relevant strategies to enhance the resilience of international transport networks, through changes in infrastructure design and operation planning and management, taking into account specific risks and vulnerabilities; determines specific technical adaptation construction parameters / measures for specific transport infrastructure of specific geographical regions and for different climatic impacts that ensure the long-term sustainability of international transport infrastructure.

Briefly describe how this commitment will be achieved (max 200 words):

CCAITN takes stock of the available data and analysis of climate change impacts on international transport networks; collects information on all relevant planning, management, organizational and other initiatives for adaptation of transport networks to climate change; prepares, in a coordinated manner, recommendations or proposals to member Governments, with a view to improving the adaptability of transport networks to climate change in areas such as: infrastructure, risk-assessment methodology, evaluation of adaptive measures, risk management, training tools, and cross-border information sharing

by national transport authorities. CCAITN will identify suitable methodological approaches for gathering and disseminating relevant information, i.e. conducting studies, distributing questionnaires, using existing studies and national strategies, existing best practices in risk management and in

technical adaptation construction parameters/ measures and financing of adaptation measures, and it will identify any necessary data (including specific geological or meteorological data elements) required with regard to regions or countries that run a higher risk of being impacted, are particularly vulnerable, or are already experiencing the effects of climate change on their transport networks.

Date of Completion of commitment: 2023

September 2013 – delivery of the CCAITN study

2013 and on – development of technical adaptation construction parameters / measures

Deliverables:

Deliverable	Date
CCAITN study	2013
Development of technical adaptation construction parameters / measures for specific transport infrastructure and geographical regions (high risk of being impacted)	2017
Development of technical adaptation construction parameters / measures for specific transport infrastructure and geographical regions (medium risk of being impacted)	2020
Development of technical adaptation construction parameters / measures for specific transport infrastructure and geographical regions (low risk of being impacted)	2023

Resources devoted to delivery:

	Type	Details
1	Financing (USD)	Secured for 2013; to be secured afterwards
2	Staff Technical Expertise	Climate change scientists; transport infrastructure engineers;

Contact person for information relating to commitment:

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