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Economic Commission for Europe

Inland Transport Committee

Working Party on Transport Trends and Economics

Group of Experts on Assessment of Climate Change
Impacts and Adaptation for Inland Transport

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Item 2 of the provisional agenda

**Initiatives in climate change impact assessment
and adaptation for inland transport**

Initiatives in climate change impact assessment and adaptation for inland transport

Submitted by the Government of Denmark

I. Introduction

1. This document contains a draft template for case studies to be used in the final technical report on the work of GE.3 under the 2020-2025 mandate. GE.3 is invited to consider this draft template and finalise it for distribution to countries for collection of case studies.

II. Case study template

2. Table 1 contains the proposed template for case studies.

Table 1

General information	Title: Author: Date: Study area:
Project description:	
Keyword:	
Infrastructure Assets: Waterways <input type="checkbox"/> Ports <input type="checkbox"/>	Roads <input type="checkbox"/> Railways <input type="checkbox"/>

Other <input type="checkbox"/>	
Weather related hazards: (<i>scenario</i>)	Storm <input type="checkbox"/> Sea level rise <input type="checkbox"/> Flood <input type="checkbox"/> Drought <input type="checkbox"/> Landslide <input type="checkbox"/> Precipitation <input type="checkbox"/>
Administrative processes:	Governance level: Legal aspect: Planning phase:
Assessment type:	
Type of adaptation: (<i>Effect as appropriate</i>)	
Implementation time:	Lifespan:
Success and limiting factors:	
Cost and benefits of the project:	
Lessons learned:	
Further information:	

3. Table 2 contains the template with type of information sought under specific cells.

Table 2

General information	Title: <i>project title</i> Author: <i>author of the case study</i> Date: Study area: <i>geographic location i.e. stationing, street name</i>	
Project description: <i>Brief case study description</i>		
Keyword: <i>Keywords related to the type of adaptation and the effect of adaptation i.e., water, groundwater, storm surges, metro, urban transport, Cost benefit assessment, economics</i>		
Infrastructure Assets:		
Waterways <input type="checkbox"/>	Roads <input type="checkbox"/>	
Ports <input type="checkbox"/>	Railways <input type="checkbox"/>	
Other <input type="checkbox"/>		
Weather related hazards: (<i>scenario</i>)	Storm <input type="checkbox"/> Flood <input type="checkbox"/> Landslide <input type="checkbox"/>	Sea level rise <input type="checkbox"/> Drought <input type="checkbox"/> Precipitation <input type="checkbox"/>
<i>Where does the climate change data used originate from? GWL, SSP, IPCC</i>		

Administrative processes:		Governance level: <i>Local, city, municipal level, government, private, sector</i>	
		Legal aspect:	
		Planning phase: <i>Design, Operations, Asset management</i>	
Assessment type: <i>i.e. Exposure Assessment, Vulnerability Assessment, Risk Assessment, Resilience Assessment, Stress test</i>			
Type of adaptation: (Effect as appropriate) <i>Governance and institutional i.e. policy instruments, management and planning, coordination, cooperation, networks</i> <i>Economic and finance i.e. Financing and incentive instruments, Insurance and risk sharing instruments.</i> <i>Physical and Technological i.e. Grey options, Technological options</i> <i>Nature based solutions and Ecosystem-based approaches i.e. Green options, Blue options</i> <i>Knowledge and behavioral changes i.e. Information and awareness raising.</i> <i>Capacity building, empowering and lifestyle practices.</i>			
Implementation time: <i>The timespan from preliminary thinking until execution</i>		Lifespan: <i>The expected lifespan of the adaption i.e. 20 years until next climate adaption project</i>	
Success and limiting factors: <i>Limiting factors i.e. funding, time, resources, knowledge, legislation</i> <i>Success factors i.e. funding, resources, planning, operations</i>			
Cost and benefits of the project: <i>Who has financed the project, what is the total cost, what are the different benefits of the project</i>			
Lessons learned: <i>The learning gained from the project, project strengths, project weakness, recommendations, need of change</i>			
Further information: <i>Contact person, Website, source</i>			