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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

**Twenty-sixth session** Geneva, 7 and 8 March 2024 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

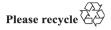
1. This document contains a draft template for case studies to be used in the final technical report on the work of GE.3 under the 2020-2025 mandate. GE.3 is invited to consider this draft template and finalise it for distribution to countries for collection of case studies.

## 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 🗆		Roads	
Ports 🗆		Railways 🗆	



Other 🗆		
Weather related hazards:	Storm	Sea level rise 🗆
(scenario)	Flood	Drought 🗌
	Landslide $\Box$	Precipitation
Administrative processes:	Governance level:	
	Legal aspect:	
	Planning phase:	
Assessment type:		
Type of adaptation:		
(Effect as appropriate)		
Implementation time:	Lifespan:	
Success and limiting factors:		
Success and mining 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: project title					
	Author: author of the case study Date: Study area: geographic location i.e. stationing, street name					
Project description: Brief ca	se study description					
Keyword: Keywords related	to the type of adaptation and	the effect	of adaptati	ion i.e., water, groundwater, storm		
surges, metro, urban transpor	rt, Cost benefit assessment, ec	onomics				
Infrastructure Assets:						
Waterways 🗆	]	Roads				
Ports 🛛	]	Railways				
Other 🛛						
Weather related hazards:		Storm		Sea level rise 🗆		
(scenario)	]	Flood		Drought 🛛		
Where does the climate chang GWL, SSP, IPCC	ge data used originate from?	Landslide		Precipitation		

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