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**

Nineteenth session
Geneva, 1 and 2 October 2020
Item 6 of the provisional agenda
Database on adaptation measures

Elements of designing the database on adaption measures for transport assets

Note by the secretariat

Introduction

1.   The Group of Experts on Assessment of Climate Change Impacts and Adaptation for Inland Transport has been mandated, among other tasks, to develop and populate a database on adaptation measures for transport assets. This document is prepared to assist a brainstorming on the elements that the database should potentially include.

2.   The Group of Experts is invited to consider the elements of the database design as provided in the table below.

Table
Elements of the design for the database on adaption measures for transport assets

Asset		Adaptation measure	Effectiveness of the measure	Expected measure implementation costs (normalized)
Asset type:				
Asset characteristics:				
- Geomorphology, geology, land-use:				
- Age, conditions and quality:				
- Specific structures:				
- Design thresholds vs weather/climate conditions:				
Assessed exposure/risk and expected impact:				
Intermodal interaction:				
Intersectoral interaction:				

Asset description could be possibly standardized by selection from dropdown menus, in which case such would need to be developed and agreed upon:

E.g.: Asset type → road → (1) motorways/expressways   (2) primary roads   (3) secondary roads

→ rail → (1) V<120 km/h   (2) 120 <V < 160 km/h,   (3) V>160 km/h

Or type defined after the infrastructural agreements, e.g.: Reference and intermediate road (class A), Branch, link and connecting roads (class B)

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