



# Economic and Social Council

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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-third session

Geneva, 31 October – 1 November 2022

Item 1 of the provisional agenda

###### Adoption of the agenda

### Annotated provisional agenda for the twenty-third session\*

to be held at the Palais des Nations, Geneva starting at 10:00 a.m. on Monday,  
31 October 2022, Room XXVII, Palais des Nations

#### I. Provisional agenda

1. Adoption of the agenda.
2. Initiatives in climate change impact assessment and adaptation for inland transport.
3. Climate change and transport assets data.
4. National and sub-national projects on climate change impact assessment and transport asset adaptation needs.
5. Database on adaptation measures.
6. Guidelines for integrating climate change considerations in planning and operational processes.
7. Appointment of a Vice-Chair.
8. Other business.

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\* For reasons of economy, delegates are requested to bring copies of all relevant documents to the session. There will be no documentation available in the conference room. Before the session, documents may be downloaded from the United Nations Economic Commission for Europe Transport Division's website ([www.unece.org/trans/main/wp5/wp5.html](http://www.unece.org/trans/main/wp5/wp5.html)). On an exceptional basis, documents may also be obtained by e-mail ([maria.mostovets@un.org](mailto:maria.mostovets@un.org)).

Delegates are requested to register online at: [uncdb.unece.org/app/ext/meeting-registration?id=BSPw2w](http://uncdb.unece.org/app/ext/meeting-registration?id=BSPw2w) at the latest one week prior to the session. All in-person attending delegates (including those holding long-duration badge), should register through INDICO badge system at: [indico.un.org/event/1000539/](http://indico.un.org/event/1000539/) and delegates who do not hold a long-term access badge should obtain an identification badge at the UNOG Security and Safety Section, located at the Pregny Gate (14, Avenue de la Paix). In case of difficulty, please contact by the ECE secretariat ([maria.mostovets@un.org](mailto:maria.mostovets@un.org)). For a map of the Palais des Nations and other useful information, see [www.unece.org/meetings/practical.html](http://www.unece.org/meetings/practical.html).



9. Date and place of next meeting.
10. Summary of main decisions.

## **II. Annotations**

### **1. Adoption of the agenda**

The Group of Experts on Assessment of Climate Change Impacts and Adaptation for Inland Transport (GE.3) is invited to adopt its agenda as contained in ECE/TRANS/WP.5/GE.3/45.

#### **Documentation**

ECE/TRANS/WP.5/GE.3/45

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

GE.3 is expected to continue its discussion on initiatives in climate change impact assessment and adaptation for inland transport with a view to understand if any new approaches, tools and/or methodologies exists or are being developed that could be integrated by GE.3 in its work. In particular GE.3 may wish to hear about progress made since the last session in the development of guidelines for climate risk assessment in European Union taxonomy and in the project of the International Union of Railways (UIC) on Resilient Railways facing Climate Change: Heavy Rains (ReRa-Rain).

World Association for Waterborne Transport Infrastructure (PIANC) is invited to introduce in more detail technical notes on ways to deal with climate change uncertainties and on costs and consequences of extreme weather.

University of Aegean is invited to inform of any updates to the state of knowledge on the evolution of the potential hazards for inland transportation under Climate Variability and Change.

GE.3 should then also start its discussion on which could be the structure of the future final report and how the developed and presented material should be integrated in it based on ideas submitted by experts.

### **3. Climate change and transport assets data**

GE.3 agreed at its last session to start elaboration of maps presenting projections depicting the future changes for the following indices by using the same methods as in ECE/TRANS/283:

- High temperatures: annual count of days when daily maximum temperature is greater than 25, 32 and 43°C.
- Heavy precipitation: annual count of days with daily precipitation greater than 50, 100 and 150mm and annual count of days with 3-day precipitation greater than 50, 100 and 150mm.

Climate Service Center Germany (GERICS) will speak about progress achieved in making projections and developing maps. Upon availability of first maps, GE.3 will be invited to start discussing them. For the latter, GE.3 is expected to consider if using a regional approach (percentile thresholds) rather than grid scale approach would be sensible for analysis of impacts from heavy precipitation.

Should then the maps analysis suggest thresholds of weather phenomena are changing due to changing climate, in such a case, GE.3 may wish to pursue its discussion about elaboration of a guide or a note on how the changes in thresholds influence existing infrastructure construction standards and/or policies.

GE.3 should then consider a proposal on specific index or indices for assessing future projections for windstorms.

#### **4. National and sub-national projects on climate change impact assessment and transport asset adaptation needs**

Experts are invited to inform about their national or sub-national concluded, ongoing or planned projects on climate change impact assessment and transport asset adaptation needs.

Ireland may wish to update GE.3 about the project focused on developing a methodology for the assessment of critical transport infrastructure and on conducting the assessments.

France is requested to present its methodology for assessing functional criticality of its transport networks.

Other experts are also invited to share information on indicators that they use or are researching for to do network criticality assessments.

The secretariat will then discuss the availability of data for analyzing network criticality based on the indicators presented by Germany at the twenty-first session.

Canada and Germany will be also invited to present assessments of the devastating flood events which occurred in summer 2021 and inform about decisions taken on how to build back better.

#### **5. Database on adaptation measures**

World Road Association (PIARC) is invited to present its final report with the review of case studies on road adaptation measures and guidance for road managers on methods for comparison and selection of adaptation measures.

At the previous session, GE.3 requested the secretariat and a group of volunteers to engage in the intersessional work to research on adaptation pathways in transport and, as far as possible, to collect examples on adaptation pathways developed for transport as well as prepare for a targeted discussion at the next session. The group of volunteers will thus present the results of its intersessional work and make recommendations for GE.3 consideration.

#### **6. Guidelines for integrating climate change considerations in planning and operational processes**

GE.3 encourages holding workshops with the aim to raise awareness on the importance of adaptation of transport systems to climate change. These workshops should help collect information on the needs of transport professionals for guidance, as appropriate, to assist them in better integrating climate change adaptation considerations in transport planning and operational processes.

In this regard, the Russian Federation as well as any other countries from Eastern Europe, Caucasus and Central Asia may wish to inform GE.3 about any climate change impact assessments or adaptation work in transport undertaken in those countries further to the Moscow conference held on 15-16 November 2021.

The Chair and the secretariat will update GE.3 on the submission of an abstract on behalf of GE.3 to Transport Research Arena 2022 Conference in Lisbon dedicated to European research and technology on transport and mobility.

With regard to the organization of future workshops to promote the work on transport adaptation to climate change, and further to the GE.3 observation at its previous session about limited participation of experts from the Mediterranean countries in its work, the secretariat will update GE.3 about opportunities to organize a workshop for the Mediterranean region.

GE.3 may then continue discussion related to a guide and/or standard for transport system stress tests. To this end, intersessional work around transport system stress tests will be presented for GE.3 consideration.

GE.3 may also consider progress made in the work on elaborating business cases for adaptation in transport and thus progress made in collection of information on transport incidents due to weather events, both with regard to economic losses due to incidents and costs of adaptation if such was undertaken to prevent future incidents of similar type.

## **7. Appointment of a Vice-Chair**

GE.3 is invited to appoint its second Vice-Chair for the remaining period of the mandate.

## **8. Other business**

GE.3 may explore funding possibilities in support of its work.

## **9. Date and place of next meeting**

The secretariat will inform GE.3 about the date and place for the twenty-fourth session.

## **10. Summary of main decisions**

In accordance with established practice, the Chair will briefly summarize the decisions taken. Following the session, the Secretary, in cooperation with the Chair and Vice-Chair(s), will prepare the final report.

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