

Benchmarking Transport Infrastructure Construction Costs WP.5/GE.4 – Progress and way ahead

*WP.5, 34th session
Geneva, 16 September 2021
Agenda item 4 (b)*



Mandate extensions

Initial mandate for 2 years: October 2016 – June 2018

ITC at its eighty-first session (Feb 2019) extended the mandate of GE.4 for an additional 2 years until June 2020

ITC at its eighty-third session (Feb 2021) extended the mandate for an additional 1 year until 2022

GE.4 Final Report should:

- Identify models, methodologies, tools and good practices for evaluating, calculating and analyzing inland transport Infrastructure costs
- Identify and list terminologies used for costing inland transport Infrastructure
- Collect and analyse data for benchmarking inland transport construction costs.



Modalities to date

- **Participating member States:** Austria, Croatia, Cyprus, Czechia, Finland, Germany, Latvia, Lithuania, Norway, Poland, Russian Federation, Slovakia, Sweden and Turkey
- **Partner organizations:** i.e. International Union of Railways (UIC) and International Road Federation (IRF), TEM & TER projects and EU networks of road and rail infrastructure operators
- **11 GE.4 sessions held between October 2016 and April 2021**
[the session which was planned for May 2020 cancelled due to COVID-19 restrictions, replaced by 2 informal sessions]



Achievements so far

- **Phase I: Development of specific questionnaires for data collection** (covering all inland modes including road, rail, inland waterways/ ports and intermodal terminals) – **WP.5 2020 Informal Document No. 2**
- **Phase II: Development of a consolidated list of terminologies** (covering all inland modes including road, rail, inland waterways/ ports and intermodal terminals) - **ECE/TRANS/WP.5/GE.4/2019/1/Rev.3 (submitted to WP.5 34th session/ latest revision includes transport maintenance cost terminology as well)**
- **Phase III: Data collection** – dissemination of questionnaires for collection of data and national best practices through WP.5, SC.1, SC.2, SC.3/WP.3 and WP.24



Achievements so far (2)

■ Phase IV: Analysis of responses to questionnaires/ data received

Working document 6 – Literature Review - ECE/TRANS/WP.5/2020/6

Working document 7 – National good practices - ECE/TRANS/WP.5/2020/7

Working document 8 – Benchmarking analysis - ECE/TRANS/WP.5/2020/8

- **Turkey**, benchmarking literature review, road transport terminology and analysis of data for the road sector
- **Poland**, rail transport terminology and analysis of rail transport data
- **Russian Federation**, inputs to road transport analysis and compilation of national benchmarking approaches and methodologies
- All other **GE.4 members** contributed to proofreading and provision of national case studies and benchmarking data

Full report/ all working documents, available on the GE.4 11th session webpage under “Background documents”:

<https://unece.org/transport/events/wp5ge4-group-experts-benchmarking-transport-infrastructure-construction-costs-0>



Challenges experienced so far

- The **quantity** and **quality** of data received and analyzed by GE.4 (sometimes sparse and scattered, misrepresentations or omissions, difficulties in normalization of data)
- Delays in data collection for **intermodal terminals, inland waterways** and **ports** and in collection of national good practices (partial data sets and late submissions are included in [WP.5/ 2020 Informal Document No. 4](#))



Way ahead

- ITC at its 83rd session considered that the **available benchmarking analysis** which mostly focuses on **road and rail sectors** ([working document No 8/ ECE/TRANS/WP.5/2020/8](#)) adds significant value and therefore extended the GE.4 mandate for 1 more year until 2022
- **This extension should enable GE.4:**
 - To collect **more and better-quality data** from a **larger group of countries** on their transport infrastructure construction costs **across all inland modes**



Way ahead (2)

- **An additional benchmarking analysis of transport infrastructure maintenance and operation costs will be prepared**(road and rail) as per the suggestion of the Government of Turkey (see [ECE/TRANS/WP.5/2021/5](#) which consists of newly developed questionnaires on maintenance
- To **review and further improve and/ or synthesize already available components of its final report**, i.e., the available terminology lists, the literature review, the concluding part etc.
- The above steps would result in a **high-quality, comprehensive** and more **data rich final report** by the time of the 35th Session of WP.5 in September 2022



New deliverables/ WP.5 support needed



- 1. ECE/TRANS/WP.5/2021/5** which consists of newly developed questionnaires on transport maintenance and operation costs
WP.5 to approve of these new questionnaires and assist in their dissemination of among relevant national agencies
- 2. ECE/TRANS/WP.5/GE.4/2019/1/Rev.3** which consists of a revised terminology list including maintenance specific terminology and **ECE/TRANS/WP.5/2020/7/Rev.1** which provides an overview of national benchmarking best practices
WP.5 to take note of these documents and provide guidance and feedback to GE.4 if any
- 3. Strengthen the data analytical part of the GE.4 final report**
WP.5 to raise awareness about GE.4 and try to support geographical expansion of the Group (more members/ more data/ better analysis/ better final report)



Thank you for your attention

