Actions of the inland transport sector to join the global fight against climate change

85th Session

INLAND TRANSPORT COMMITTEE

UNECE

Information and computerization technologies ECE/TRANS/2023/20

Mr. Konstantinos Alexopoulos
Chief Transport Facilitation

Mandate

Following Committee's decision during its last session (ECE/TRANS/316, paragraph 47) the document provides an overview of activities in 2022 in the field of information and computerization technologies carried out by Working Parties of ITC and links them, where appropriate, with the seventieth Economic Commission for Europe (ECE) central theme in 2023 which will be on "Digital and green transformations for sustainable development in the UNECE region".

eTIR International System (TIR Convention) – WP.30

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Tool type:	Online Platform – Application.
Tool description:	The eTIR international system aims to ensure the secure exchange of data between national Customs systems related to the international transit of goods, vehicles or containers according to the provisions of the TIR Convention.
URL:	https://etir.org Simple schematic: https://etir.org/how-does-etir-work
Tool launch date:	December 2022 Azerbaijan and Uzbekistan
Tool developed and hosted by:	TIR Secretariat

Link with the seventieth ECE central theme "Digital and green transformations for sustainable development in the UNECE region".

The eTIR International System contributes to the facilitation of border crossing operations by eliminating the use of paper, time and cost spent at the borders. Practically, when fully implemented, waiting and queuing times of trucks at the borders will be dramatically reduced while contactless and paperless inspection methods will be used

International TIR Data Bank/ TIRExB – WP.30

UNECE

Tool type:	Data bank / Mobile Applications / Portal
Tool description:	ITDB was introduced by the ECE TIR secretariat in 1999. ITDB contains : • 1,160 web application users • 29,528 authorized TIR Carnet holders (transporter companies) • 272 customs stamps and sealings records • 2,801 customs offices enabled to use TIR procedures
URL:	https://itdb.unece.org
Tool launch date:	1999
Tool developed and hosted by:	TIR Secretariat

Link with the seventieth ECE central theme "Digital and green transformations for sustainable development in the UNECE region".

The application eliminated the trips and papers used in order for such authentication to take place. It also contributes to the operations of the eTIR system, contributing to the reduction of waiting and queuing times of trucks at the borders.

Digitalization of Carnet de Passage en Douane (eCPD) – WP.30

Tool type:	Online Platform – Application
Tool description:	The "Carnet de Passages en Douane" – or "CPD" system – facilitates the temporary importation of private and commercial vehicles. On 20 October 2021, the (FIA) and ECE signed a Memorandum of Understanding (MoU) to formalise their cooperation on the digitalization of the CPD Distribution System.
URL:	https://carnetdepassage.org/
Tool launch date:	2024
Tool developed and hosted by:	FIA – Transport Facilitation Section

Link with the seventieth ECE central theme "Digital and green transformations for sustainable development in the UNECE region".

The digitalization of the CPD Distribution System is expected to speed up the border crossing for millions of automobilists around the globe by reducing significantly their administrative burden. Additionally, the exchange of customs information in a secure environment will prevent false submission of customs declarations.

International Transport Infrastructure Observatory (ITIO) – WP.5

Tool type:	Geographical information system (GIS) Application.
Tool description:	The International Transport Infrastructure Observatory is an initiative of ECE Sustainable Transport and the Islamic Development Bank. It is a multi-stakeholder, web-based GIS platform which hosts data on a large variety of transport infrastructure networks and nodes across different modes including road, rail, inland waterways, ports, airports, intermodal terminals, logistics centres and border crossing points.
URL:	itio-gis.org
Tool launch date:	2022
Tool developed and hosted by:	WP.5 Secretariat / external consultants

Link with the seventieth ECE central theme "Digital and green transformations for sustainable development in the UNECE region".

The observatory provides to its users a holistic overview of transport infrastructure considering different factors such as international connectivity, climate impacts, construction costs etc. It therefore assists decision makers to conclude on more sustainable solutions concerning transport infrastructure development.

Climate Change Impacts and Adaptation to Transport Networks and Nodes tool – WP.5

UNECE

Tool type:	Geographical Information System /Application.	**Link with the seventieth ECE central theme "Digital and green transformations for sustainable development in the UNECE region".**
Tool description:	This tool assists analysis of possible future impacts of climate change on transport networks. By using the tool, experts can identify sections of networks projected to be exposed to the effects of changing climate and whose service delivery may be reduced in the future if they were not adapted to those effects.	The impacts of climate to transport infrastructure are already visible. The tool visualizes those impacts assisting decision makers to proceed with more sustainable infrastructure projects and to make existing infrastructure sustainable by adapting it to the impacts of climate change
URL:	itio-gis.org	
Tool launch date:	2022	
Tool developed and hosted by:	WP.5 Secretariat	

eCMR - Additional Protocol to CMR concerning the Electronic Consignment Note – SC.1

UNECE

Tool type:	To be decided	**Link with the seventieth ECE central theme "Digital and green transformations for sustainable development in the UNECE region".**
Tool description:	The eCMR is based on the provisions of the Convention on the Contract for the International Carriage of Goods by Road (CMR) (1956) and especially on the provisions of the Additional Protocol to CMR concerning the electronic consignment note (2008).	By implementing the CMR Convention in an electronic way and making therefore the consignment note electronic, it means that waiting and queuing times at the borders for trucks will be reduced, millions of papers will not be used anymore and any checking will be contactless and paperless.
URL:	-	
Tool launch date:	-	
Tool developed and hosted by:	-	

Sustainable Inland Transport Connectivity Indicators (SITCIN) tool – WP.5

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Tool type:	SITCIN Tool – Web Application.	**Link with the seventieth ECE central theme "Digital and green transformations for sustainable development in the UNECE region".**
Tool description:	The main objective of the SITCIN tool is to enable countries to measure their degree of transport connectivity, both domestically and bilaterally/sub-regionally as well as in terms of soft and hard infrastructure.	The SITCIN indicators are benchmarking tools. They are assisting decision makers to benchmark their connectivity efforts with other countries further improving their performance. In that sense they are indicators that benchmark the digital and green transformations efforts of the countries relevant to connectivity
URL:	sitcin.org	
Tool launch date:	2022	
Tool developed and hosted by:	External consultants / Sustainable Transport Division	

Observatory on Border Crossing Status due to COVID-19 –(WP.30)

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Tool type:	Web Application.
Tool description:	The Observatory, as of October 2020, is a platform that provides updated information on the current status of 174 United Nations Member States including the national practices and measures implemented in response to the pandemic. The Observatory had 106,000 unique views in the period only of four months from its establishment from 207 countries / and all regions of the world.
URL:	Observatory on Border Crossings Status due to COVID-19 Home -
Tool launch date:	2020
Tool developed and hosted by:	TIR Secretariat

Link with the seventieth ECE central theme "Digital and green transformations for sustainable development in the UNECE region".

During the pandemic the borders closed. The observatory assisted thousands of users to be informed on the current status of the borders for each United Nations Member State. Also, countries used the observatory to learn from each other and identify good practices implemented

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Thank you!

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