



## Measures for the reduction of fuel consumption and CO<sub>2</sub> emissions in inland navigation

		ForFITS - assessment and monitoring tool for inland transport CO <sub>2</sub> emissions
1.	Keywords	UN project on inland transport CO <sub>2</sub> emissions, development of an assessment and monitoring tool, policy converter to simulate transport policy measures, facilitate climate change mitigation and adaptation
2.	Short description	On the initiative of the UNECE, in cooperation with the other four Regional Commissions of the United Nations, a climate change and transport project has been launched. The 3-year project is funded by the UN Development Account (UNDA) and aims at developing a uniform monitoring and assessment tool to evaluate the CO <sub>2</sub> footprint of land transport, taking into account climate-relevant indicators and a set of potential actions, i.e. a package of transport policy measures (a transport policy converter). The use of this tool aims at facilitating climate change mitigation and adaptation and will pave the way for the future inland transport systems. thus it is named it ForFITS.
3.	Objective & target	<p>The main objectives of the project are:</p> <ul style="list-style-type: none"> <li>• Raising awareness of the carbon dioxide (CO<sub>2</sub>) emissions from the inland transport sector (road, rail and inland waterways),</li> <li>• Developing a web-based tool using a uniform methodology for the monitoring and assessment of inland transport CO<sub>2</sub> emissions, including a transport policy converter that offers to analyze alternative strategies for the development of sustainable transport by selecting the most appropriate mitigation measures adapted to the local conditions,</li> <li>• Organizing in each UN region capacity building workshops and training sessions to enhance the User skills of the CO<sub>2</sub> assessment tool.</li> </ul>
4.	Key success factors	<p>Increased number of national and sub-national policy makers in Governments and industry stakeholders able to monitor and assess CO<sub>2</sub> emissions in inland transport and to design the most effective intervention measures and transport policies.</p> <p>Number of participants at the awareness raising and capacity building workshops on the inland transport CO<sub>2</sub> assessment tool and its transport policy converter (ForFITS).</p> <p>Number of countries that express intention to follow up on the lessons learned during the regional capacity building and training workshops (participation survey).</p> <p>Number of visits to the ForFITS website (web hits)</p>
5.	Innovative aspects	Multiple assessment tools of inland transport CO <sub>2</sub> emissions already exist for the different transport modes, but most of these tools are neither combined in 1 single tool, nor supplemented with a policy converter to take into account the impact of transport policy measures on CO <sub>2</sub> emissions.
6.	Benefits for users	This tool will be based on a common assessment methodology for all inland transport modes and the User could develop, with the help of the integrated policy converter, the most appropriate measure to reduce CO <sub>2</sub> emissions.
7.	Geographic area	This UNDA project is a global project involving all UN regions of the world and the ForFITS tool can be used by ail stakeholders to assess inland transport CO <sub>2</sub> emissions.

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8.	Status	This project is in the starting phase. A global status report on inland transport CO <sub>2</sub> emissions is in preparation and will be published in September 2011 at the occasion of an international expert meeting.
9.	Difficulties met	None
10.	Year(s)	The work of this 3-year UN project started in January 2011 and is expected to be concluded in December 2013. ForFITS is expected to be operable by the end of 2012.
11.	Users, stakeholders	Regions. Governments, local authorities, cities, etc.
12.	Contact person	Dr.-Ing. Romain HUBERT UNECE Focal point on Climate Change and Transport United Nations Economic Commission for Europe Transport Division - VRTI Section - Bureau 412-1 Palais des Nations, 8-14 Avenue de la Paix CH-1211 Geneva 10 Switzerland  Tel.: +41 22 917 2402 Fax: +41 22 917 0039 or – 0089 E-mail: <a href="mailto:romain.hubert@unece.org">romain.hubert@unece.org</a> Internet: <a href="http://www.unece.org/trans/main/welcwp29.htm">www.unece.org/trans/main/welcwp29.htm</a>
13.	Costs & financing	This project is funded by the United Nations Development Account (New York).
14.	Website / links	<a href="http://www.unece.org/trans/theme_ForFITS.html">http://www.unece.org/trans/theme_ForFITS.html</a>
15.	Available data, publications	Project Document available at the above mentioned website at: <a href="http://www.unece.org/trans/doc/themes/UNDA_Project_Document_CO2.pdf">http://www.unece.org/trans/doc/themes/UNDA_Project_Document_CO2.pdf</a>
16.	Added value: possibility for application elsewhere	As this tool will use a common assessment methodology for all inland transport modes, the results of CO <sub>2</sub> emissions assessed with ForFITS are internationally comparable.
17.	Further information	ForFITS might be supplemented with additional modes including the CO <sub>2</sub> emissions of inland aviation and coastal maritime transport subject to additional funding.
18.	Filled in by	Romain Hubert
19.	Date	21 March 2011