

ECOPASSENGER & ECOTRANSIT



More than a quarter of worldwide greenhouse gases emissions come from the transportation sector, and more important, it is the sector where we have seen the highest growth in these emissions the last decades and it is not stopping.

The International Railways Union (UIC) would like to do its part by:

- Increasing the awareness among transportation users about the consequences of our everyday travel choices.
- Giving support to decision makers on how to facilitate sustainable choices.
- Challenging the existing methodologies by taking into account the whole energy chain and include the life cycle costs of energy.

EcoPassenger and EcoTransIT are two user-friendly internet tools to compare the energy consumption, CO₂- and exhaust atmospheric emissions for planes, cars (trucks for freight) and trains. With “the best possible way” we mean the most fair and comprehensive way. The methodology behind the calculations are sound scientific, focusing on a life cycle approach to the energy involved, fed with the best available data for all modes, and developed in cooperation with Ifeu (the German Institute for Environment and Energy) and technical providers of European routing systems and software, Hacon and IVEmBH (routing system and software).

EcoPassenger and EcoTransIT include rail data from the Environmental Strategy Reporting System of UIC (ESRS), collecting real consumptions of UIC members. EcoPassenger and EcoTransIT do not only calculate the energy or the fuel it takes to run the train, car or the plane. The calculations include the emissions from the cumulative energy consumption (as seen below) including the energy used to produce the electricity or the fuel, in a “well to wheel”-perspective.

EcoTransIT tool was originally developed by a consortium of the five European railways FS, SNCF, SBB, DB and Green Cargo. In 2007 the EcoTransIT consortium was joined by RENFE (ES), EWS (GB), SNCB (BE) and UIC.

EcoPassenger, developed by UIC, has been relaunched in 2015 with a new version aiming to increase awareness among users. The new EcoPassenger calculator has an updated design, extending the scope to more countries (i.e: Russia and Turkey), improving the usability for smart phones and tablets and containing new scientific methodological improvements (dual reporting for carbon emissions).

In addition widgets in different languages are available to be implemented in this website using the address:

www.ecopassenger.org/bin/help.exe/en?L=vs_uic&tpl=suggestpage

Check your emissions visiting our EcoTools:

www.ecopassenger.org

www.ecotransit.org

