EcoTransIT® World (www.ecotransit.org)

How eco-friendly is your business? How to operate transports in an eco-efficient way? These questions get more and more important in the face of increasing freight volumes and thereby rising environmental impact. An answer provides EcoTransIT® World (Ecological Transport Information Tool - worldwide). The free accessible calculator determines the exact environmental impact of freight transports globally and over all transport modes.

EcoTransIT® World identifies the energy consumption, greenhouse gas and pollutant emissions of shipments with truck, train, ocean vessel and barge as well as air plane. With the use of the software it is possible to model and calculate any kind of combined transport chains on a global level. This helps companies to improve the carbon footprint of their logistics activities.

Calculation basis

- GIS-based global network to determine the distance for each transport type
- Scientific methodology of calculation developed by independent environmental institutes (INFRAS and ifeu)
- Detailed transport specification possible due to extended input
- EN 16258-conform calculation including differentiation in well-to-tank (WTT) and tank-to-wheel (TTW)
- Commercial usage of Business solutions is possible

Environmental evaluation

The following environmental variables are calculated by EcoTransIT® World:

- Primary energy consumption
- Carbon dioxide (CO2)
- Greenhouse gases (CO2-eq)
- Sulphur dioxide (SO2)
- Nitrogen oxides (NOx)
- Non-methane hydrocarbons (NMHC)
- Particles (PM10)
- Distance per traffic type

EcoTransIT® World is controlled by the EcoTransIT World-Initiative (EWI). The methodology has been developed by ifeu, Heidelberg (Germany) and INFRAS, Bern (Switzerland) and is published in a public scientific background report. The regular updates of the emission factors and the underlying methodology assure the timeliness of EcoTransIT® World.

For professional users, ETW offers dedicated services that allow companies to calculate large amounts of shipments direct and automatically without manual efforts. The range of the Business Solution varies from a modern XML-soap web service to a web-based upload of CSV-data.

EcoTransIT® World can be found at the following website: http://www.ecotransit.org.