

"EcoTransIT World – Supporting Green Logistics"

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A multimodal world-wide transport chain tool





Advisory support

European Environmental Agency NGOs, indipendent bodies, etc.

EcoTransIT World Initiative





















Scientific support



Calculation methodology



Energy and **Emissions data**

Project coordination & IT



- Software
- GIS-Data and Routing
- Coordination

What is it?

- web-based multimodal tool to support users in calculating the environmental impact of freight transport
- Target audience are logistics service provides, shippers, carriers
- Relevant determining factors: energy consumption, carbon dioxide, emissions

1998 Start of the work

2003 Release of the first version for comparison

of European freight transports

2006 Introduction of GIS-based routing

2008 TERM Report 2007 of European

Environment Agency: EcoTransIT as "good

practice" example

2009 Official Partner of the Sustainable Energy

Europe Campaign

2010 Launch of global version and business

solutions

Multimodal Business Solutions for carriers, forwarders and shippers



Members and Users:



EcoTransIT World Structure



Target audience:

companies, logistics operators, carriers, shippers, decision-makers, NGOs, etc.

The tool:





EcoTransIT World

Objectives

- Calculate, measure and reduce worldwide impacts of the transport chains
- Corporate Communication on GHG information
- Benchmark on the impact of new transport chains

EcoTransIT – part of a broader network





(long-term umbrella for EcoTransIT platform)

Clean Cargo Working Group

(Ocean Carriers and Forwarders)

Bearing Point – LogEc

(Emission calculator for all modes)

PTV, map&guide

(Route Planer for Trucks)

World Economic Forum

(Logistics Consignment Carbon Partnership-Project)

CEN

(New Standard 16258)

WKO

(Chamber of Commerce, Austria)

COFRET

(EU funded project Carbon Footprint of Freight Transport)

EcoTransIT World calculation principleon shipment basis!

EcoTransIT

A multimodal emission calculation tool that works for:

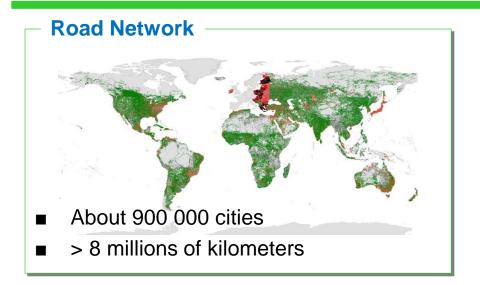
- for any individual shipment worldwide including empty trips and load factors
- for different types of goods volume, average, bulk in kg, t or TEU
- for all transport modes truck, train, ship, ferry, barge, airplane, intermo transport
- Well To Wheel and Well To Tank results for all determining factors: Energy, CO₂, eCO₂, SO₂, NC CONVM
- for all types of fuels: Gasoline, diesel, kerosene, heavy fuel oil, electricity
- for all types of emission standards Euro 0-5, JP, EPA
- for most common and relevant type of vehicles airplanes and ships

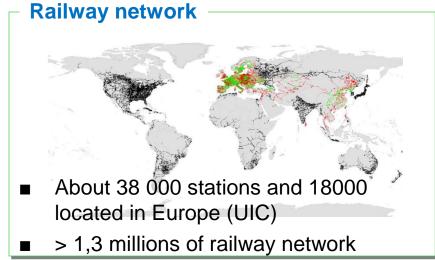


CEN EN 16258 compliant

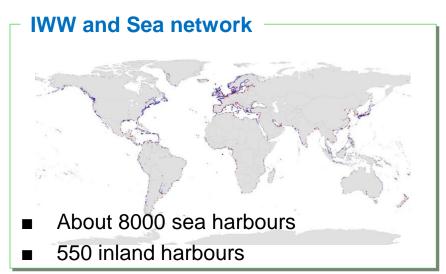
A multimodal and worldwide Routing Information System







964 Airports ■ 122 Big (> 5000 km) ■ 296 Big (> 5000 km intercontinental) ■ 350 intercontinental (< 5000 km) ■ 186 small (< 2500 km)



The 7 assets of EcoTransIT World



Global

Provides energy consumption, greenhouse gas and exhaust emissions of any global transport chain free of charge

Intermodal

Includes all transport modes in a consistent way (truck, rail, air, sea, inland water way)

GIS-based

Supports ex-ante assessment through automatic routing function and GIS based networks and destinations

Reliable

Proven public methodology and default data developed and regularly updated by independent scientific institutions (transparency!)

Flexible

Ready to integrate individual (measured) data (fuel consumption, load factor etc.) and features in customised 'Business Solution'

Compliant

Compliant with international standards (e.g. EN 16258)

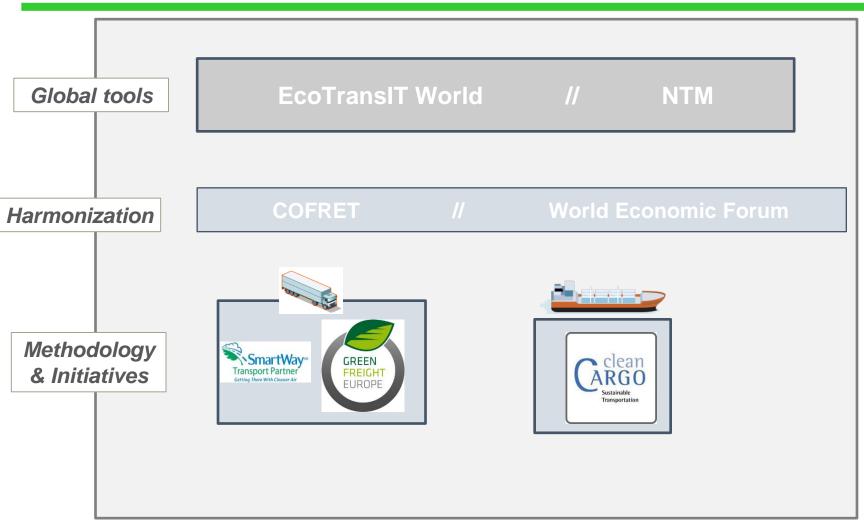
Full service

All 'Business Solutions' validated by scientific partners Ifeu, Infras and IVE



Open and inclusive to other initiatives!







Thank you for your attention!

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