unity, solidarity, universality

How to become green?
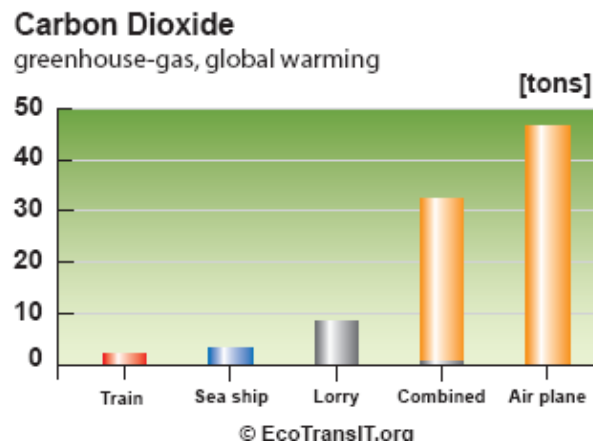
The EcoTransIT web-tool

Henning Schwarz
Head of Unit Sustainable Development, UIC

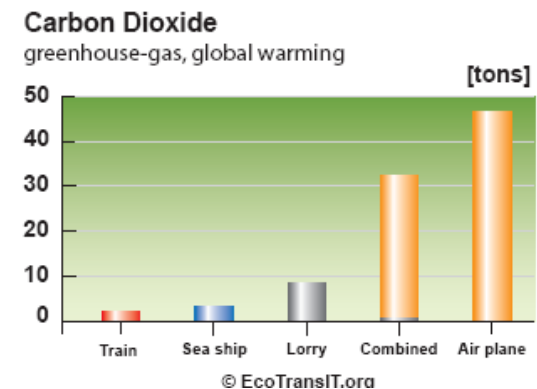# What is EcotransIT?

> **Ecological Transport Information Tool – EcoTransIT**

> web application which calculates the environmental impact of freight traffic of different modes of transport

> Calculation of logistical chains worldwide

> Tool is publicly available at **www.ecotransit.org**

Carbon Dioxide
greenhouse-gas, global warming
[tons]

50
40
30
20
10
0

Train   Sea ship   Lorry   Combined   Air plane

© EcoTransIT.org

EcoTransIT is designed to…

…create individual eco-comparisons for your logistics customers

- for individual freight transports worldwide

- for all transport modes
  Lorry, train, inland water ship,
  sea ship, airplane, intermodal transport

- for all types of fuels: Gasoline, diesel,
  kerosene, liquefied petroleum gas,
  electricity

- for all types of emission standards
  (Euro 0-5)

- for most common sizes of vehicles
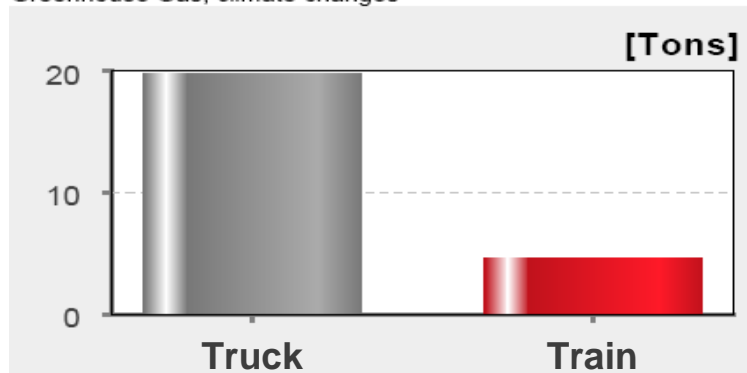
- for different types of goods
  (bulk, volume, container)

Carbon Dioxide
greenhouse-gas, global warming

[tons]

Train | Sea ship | Lorry | Combined | Air plane

© EcoTransIT.org

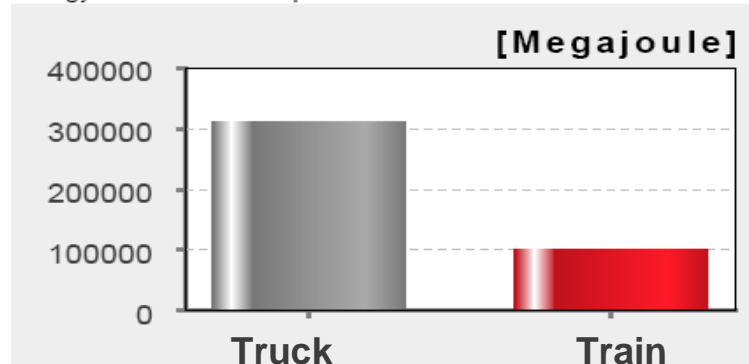# Example: Paris – St. Petersburg

Result as figures

Full calculation documentation

Carbon dioxide
Greenhouse Gas, climate changes

Primary energy consumption
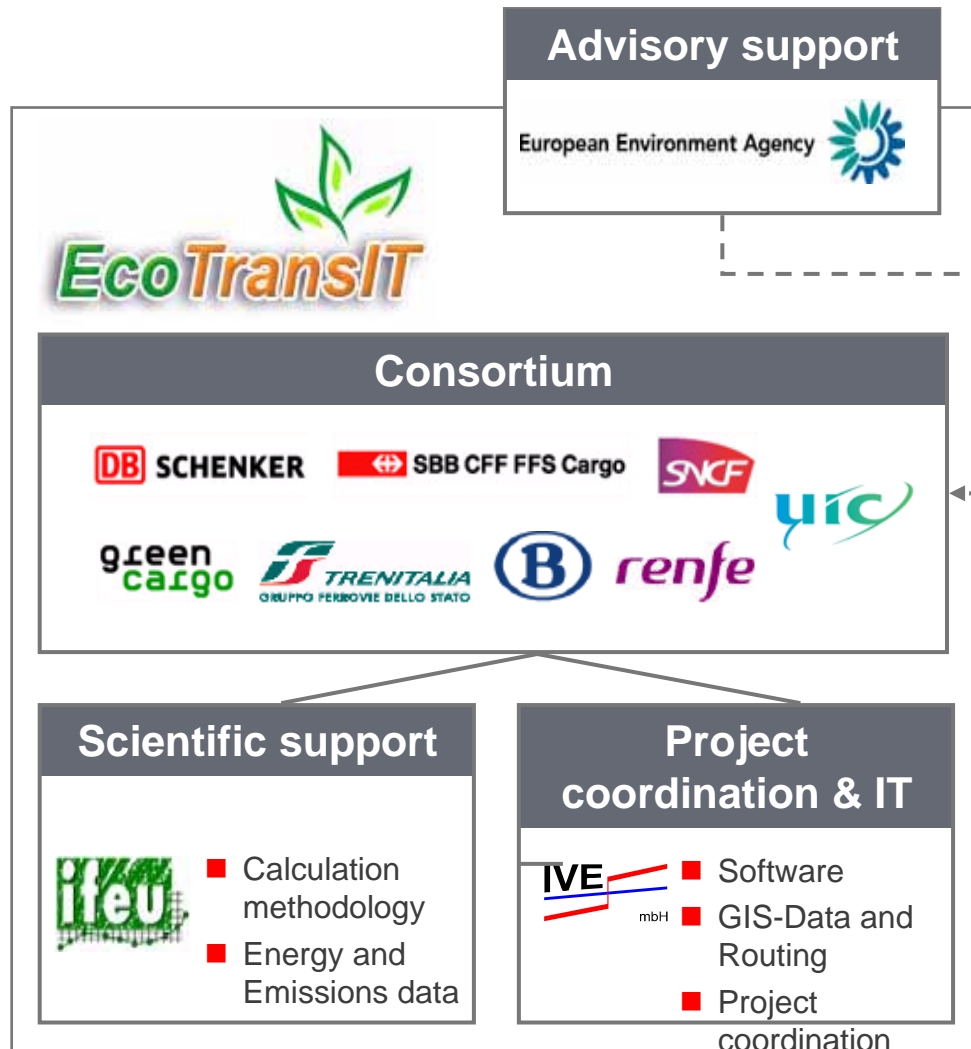Energy resource consumption

Fair Eco-comparison tools need scientific data, transparent methodology and independent expertise

Advisory support
European Environment Agency

EcoTransIT

Consortium
DB SCHENKER · SBB CFF FFS Cargo · SNCF · UIC
green cargo · TRENITALIA GRUPPO FERROVIE DELLO STATO · B · renfe

Scientific support
ifeu
- Calculation methodology
- Energy and Emissions data

Project coordination & IT
IVE mbH
- Software
- GIS-Data and Routing
- Project coordination

2000 Release of the first EcoTransIT version for comparison of European freight transports

2006 Introduction of GIS based routing

2008 TERM Report 2007 of EEA notes Ecotransit as „good practice" example

2009 Official Partner of the Sustainable Energy Europe Campaign

2010 Launch of the worldversion of EcoTransIT at the ITF in Leipzig

It is not just a communication tool ! It's a scientific methodology

1. **"Well to wheel"** energy end emissions calculation, not just final consumption.

2. **Railways data** are accurate per company, year and type of train.

3. **Aviation and lorry data** are the best available

4. The customer can select a comprehensive set of parameters, so as to **personalize its query** and make it as close as possible to reality

5. **It's a live tool**: it can be updated on real time.

6. **Independent institute** provided the methodology.

EcoTransIT is proven and supported by the European Environment Agency and the EU Sustainable Energy Campaign

Joint launch event EcoPassenger and EcoTransIT on 24-06-2008 in Copenhagen at European Environmental Agency

Official Partner

„…we need a European standard how to compare the different transport modes."

„…UIC has developed a well balanced, transparent and scientifically sound method of environmental comparisons."

Jacqueline McGlade
Executive Director of the European Environment Agency

EcoTransit and EcoPassenger have been recognised as official partners of the Sustainable Energy Europe Campaign of the European Commission.

European Environment Agency   CER   The Voice of European Railways   unife THE EUROPEAN RAIL INDUSTRY   UIC

You can use EcoTransIT for…

www.ecotransit.org

■ **Customer communication**

- create individual eco-comparisons for your logistics customers

- the tool can be integrated into the corporate design of companies joining the EcoTransIT consortium

■ **Development of "Eco-Products"**

- Optimising the carbon footprint of your customer
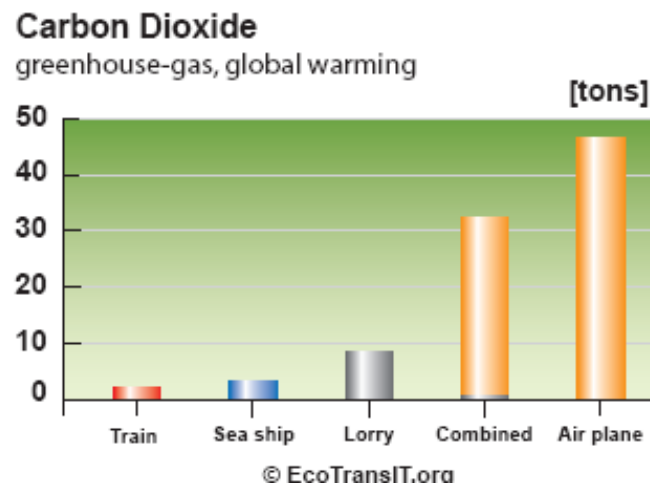
■ **Institutional communication**

- promotion of freight rail towards decision makers, scientific institutions etc.

- Tool for definition of Green Corridors

First EcoTransIT stakeholder Workshop on 5th October at UIC in Paris

■ Detailed presentation of the tool and the methodology behind

■ The workshop is especially targeted at shippers, carriers and logistics service providers in the freight sector as well as NGOs, universities and other experts dedicated to green logistics solutions

www.ecotransit.org

Carbon Dioxide
greenhouse-gas, global warming

[tons]

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■ ■ ■ Thank you for your kind attention

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Head of Unit Sustainable Development, UIC

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