



INTERNATIONAL UNION  
OF RAILWAYS

*unity, solidarity, universality*

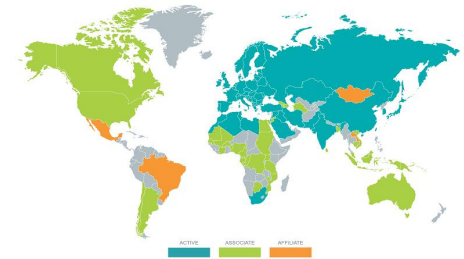
# Global Rail Statistics

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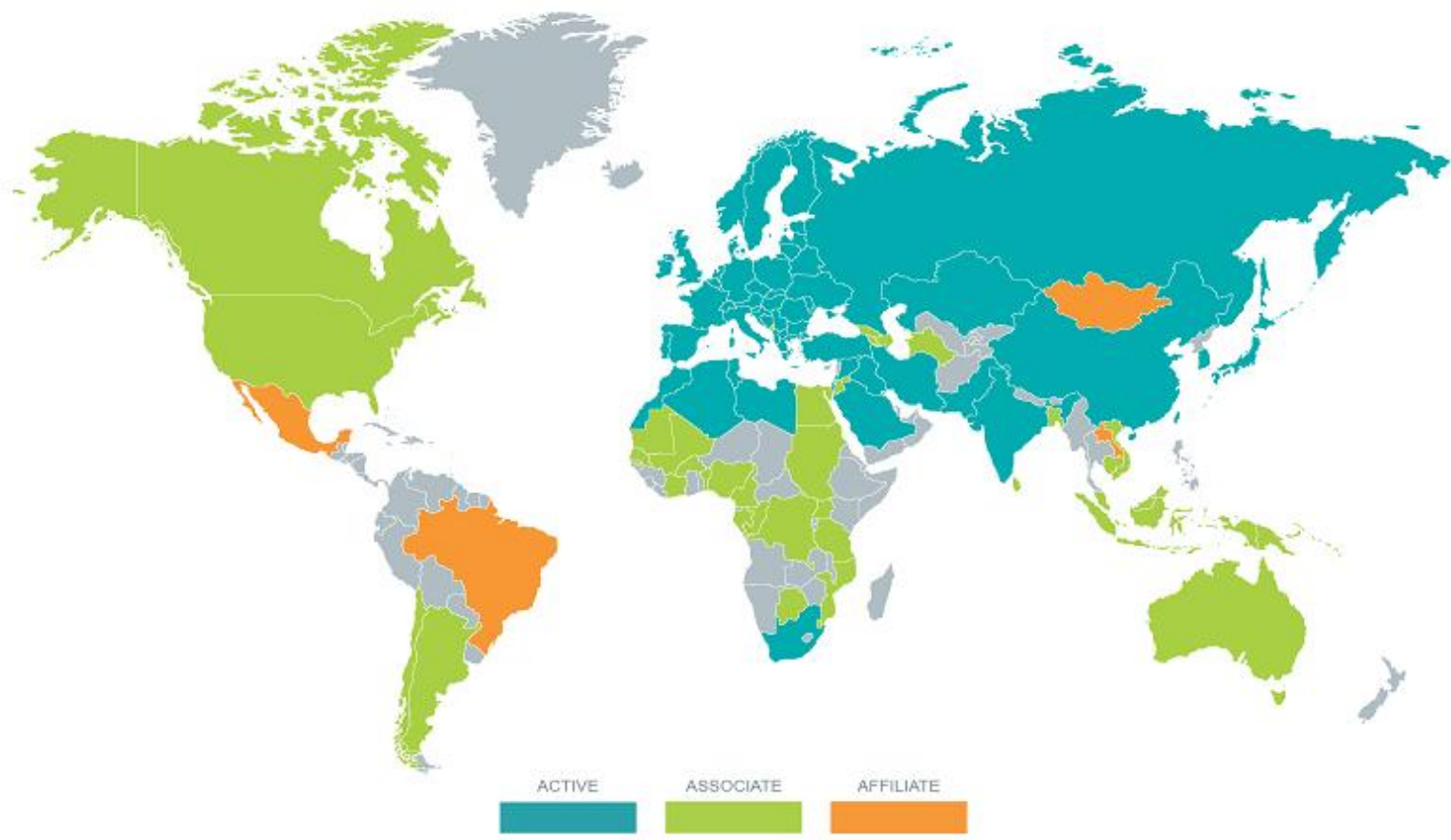
# UIC: the International Union of Railways

- 200 members on all continents
- Members are:
  - Railways
  - Rail operators
  - Infrastructure managers
  - Railway service providers
  - Public transport companies
- Public or private railway companies



# UIC 2012

3



# UIC Mission

**Promoting the development of rail transport  
at world level,  
in order to meet challenges  
of mobility and sustainable development**

# UIC's role



# Statistics publications



- Also time series indexes and values



[Visit UIC statistics webpage](http://uic.org/spip.php?rubrique988)

<http://uic.org/spip.php?rubrique988>

# Synopsis

- Provisional data, annual basis
- All continents
- length of lines
- Rolling Stock
- Average staff strength
- Train performance in train-km
- Rail Traffic in pass., pass-km, tonnes, tonne-km.

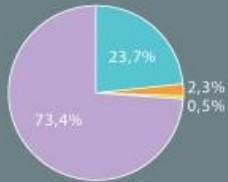
Available mid year



# Synopsis

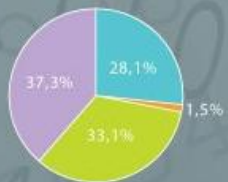


## Passenger-Kilometres (billions)



	2006	2007	2008	2009	2010	▲%
Europe*	642,1	642,6	659,7	624,1	611,9	-2,0%
Africa	61,5	61,6	62,0	62,2	62,3	0,2%
America	12,8	13,3	14,0	13,5	12,0	-11,7%
Asia and Oceania	1 646,0	1 788,6	1 950,9	2 012,0	2 079,3	3,3%
<b>WORLD estimates</b>	<b>2 362,4</b>	<b>2 506,1</b>	<b>2 686,6</b>	<b>2 711,9</b>	<b>2 765,4</b>	<b>-2,0%</b>

## Tonne-Kilometres (billions)



	2006	2007	2008	2009	2010	▲%
Europe*	2 646,6	2 813,6	3 103,0	2 411,4	2 603,8	-8,0%
Africa	142,2	139,2	138,4	137,1	139,2	1,6%
America	3 519,5	3 540,2	3 513,8	2 973,2	3 076,1	3,5%
Asia and Oceania	2 872,6	3 095,9	3 452,7	3 466,2	3 462,0	-0,1%
<b>WORLD estimates</b>	<b>9 180,9</b>	<b>9 588,9</b>	<b>10 207,9</b>	<b>8 987,9</b>	<b>9 281,2</b>	<b>3,3%</b>

## Length of lines (kilometres)



	2006	2007	2008	2009	2010	▲%
Europe*	349 458	348 788	349 000	353 747	370 700	4,8%
Africa	52 159	52 400	52 482	52 299	50 275	-3,9%
America	385 272	389 863	386 773	383 079	375 774	-1,9%
Asia and Oceania	221 788	222 645	221 827	224 151	224 205	0,0%
<b>WORLD estimates</b>	<b>1 008 677</b>	<b>1 013 696</b>	<b>1 010 082</b>	<b>1 013 276</b>	<b>1 020 953</b>	<b>0,0%</b>

\* Including Turkey and the Russian Federation



# International Railway Statistics

NETWORK

TRANSPORT STOCK

STAFF

OPERATION

PASSENGER TRAFFIC

FREIGHT TRAFFIC

FINANCIAL RESULTS

ENERGY

ACCIDENTS

FERRIES

HIGH-SPEED

FIVE YEARLY TABLES

- Yearly published
- Public data



# Example

NETWORK	
11	Lines
12	Train movements on the network
13	Gross hauled tonne-kilometres of trains running on the network
15	Level crossings



## 11 - Lines

2010

1	2	3	4	5	6	7	8	9	10	11	12	13	14
Country Code	Infrastructure Manager	Direction of running	Rail gauge	Length of lines worked at the end of the year								Track length at the end of the year	
				Lines not electrified		Electrified lines				Total length of lines col. 5+10	Total	of which electrified	
				Total	single track	Catenary supplied		Supplied by direct-current contact rail	Total col. 7 to 9				double track or more
						AC current	DC current						
in kilometres													

# International Railway Statistics

## **TRANSPORT STOCK**

- 21 Tractive stock
- 22 Passenger transport stock
- 23 Freight transport stock

## **STAFF**

- 31 Staff per activity
- 32 Staff structure per age and gender, Movements
- 35 Staff seniority

## **OPERATION**

- 41 Operator's train movements
- 42 Gross hauled tonne-kilometres of operator's trains
- 43 Operator's rolling stock movements

## **PASSENGER TRAFFIC**

- 51 Revenue-earning passenger traffic on the national territory
- 56 Passenger traffic of the railway operators - PKm
- 59 Punctuality of passenger trains

# International Railway Statistics

## **FREIGHT TRAFFIC**

- 61 Revenue-earning Wagonload Traffic on the national territory
- 62 Revenue-earning Wagonload Traffic on the national territory - Tonnes
- 63 Revenue-earning Wagonload Traffic on the national territory - TKm
- 64 Revenue-earning Wagonload Traffic on the national territory by NST category
- 65 Intermodal traffic - loaded and empty Intermodal Units on the national territory
- 66 Freight traffic of the railway operators - TKm

## **FINANCIAL RESULTS**

- 71 Balance sheet
- 72 Specific costs and revenue - Operating and general results for the financial year
- 73 Operating and general results of fundamental activities
- 74 Contributions from the State and public authorities
- 76 Investment

## **ENERGY**

- 81 Energy consumption by rail tractive stock

## **ACCIDENTS**

- 91 Railway accidents

## **HIGH-SPEED**

- 10 HS Infrastructure
- 20 HS rolling stock
- 40 HS train and trainset runs
- 50 Revenue-earning HS traffic

## **FIVE YEARLY TABLES**

- A11 Tracks and installations
- A24 Purpose-built wagon
- A25 Age of powered stock
- A26 Age of passenger transport stock
- A27 Age of freight transport stock

# UIC ENERGY AND CO2 DATABASE

- > **Since 2005**
- > **European based with geographical extension**
- > **Structured policy for dissemination and use**
  - 3 levels
    - 1 : Detailed data per company
    - 2 : Main data per company
    - 3 : Main data at EU average
  - Legal agreement signed on the use
  - Training on the UIC Energy Database use

# TOOLS available on UIC Website



The calculation of energy consumption and emission data of a worldwide transport chain can be done rather quickly with the help of EcoTransIT World. Start here for your own calculation free of charge.

<http://www.ecotransit.org/>

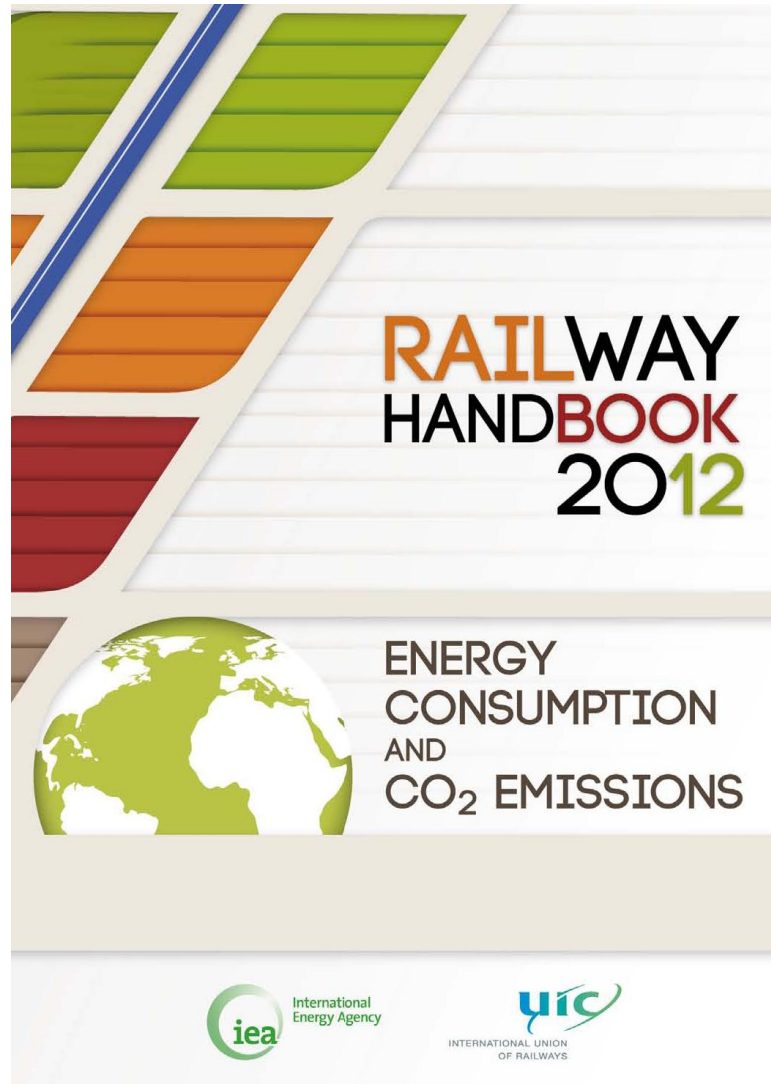


**Compare the energy consumption, CO<sub>2</sub>- and exhaust atmospheric emissions for planes, cars and trains for passenger transport in Europe**



<http://www.ecopassenger.org/>

# Coming soon





■ ■ ■ Thank you for your kind attention

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