



INTERNATIONAL UNION
OF RAILWAYS

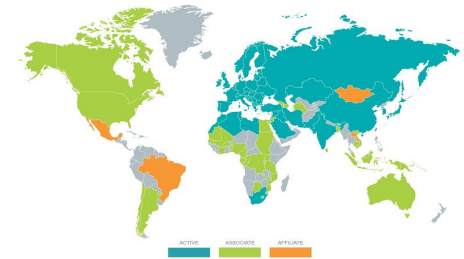
unity, solidarity, universality

Statistics at UIC

International Union of Railways

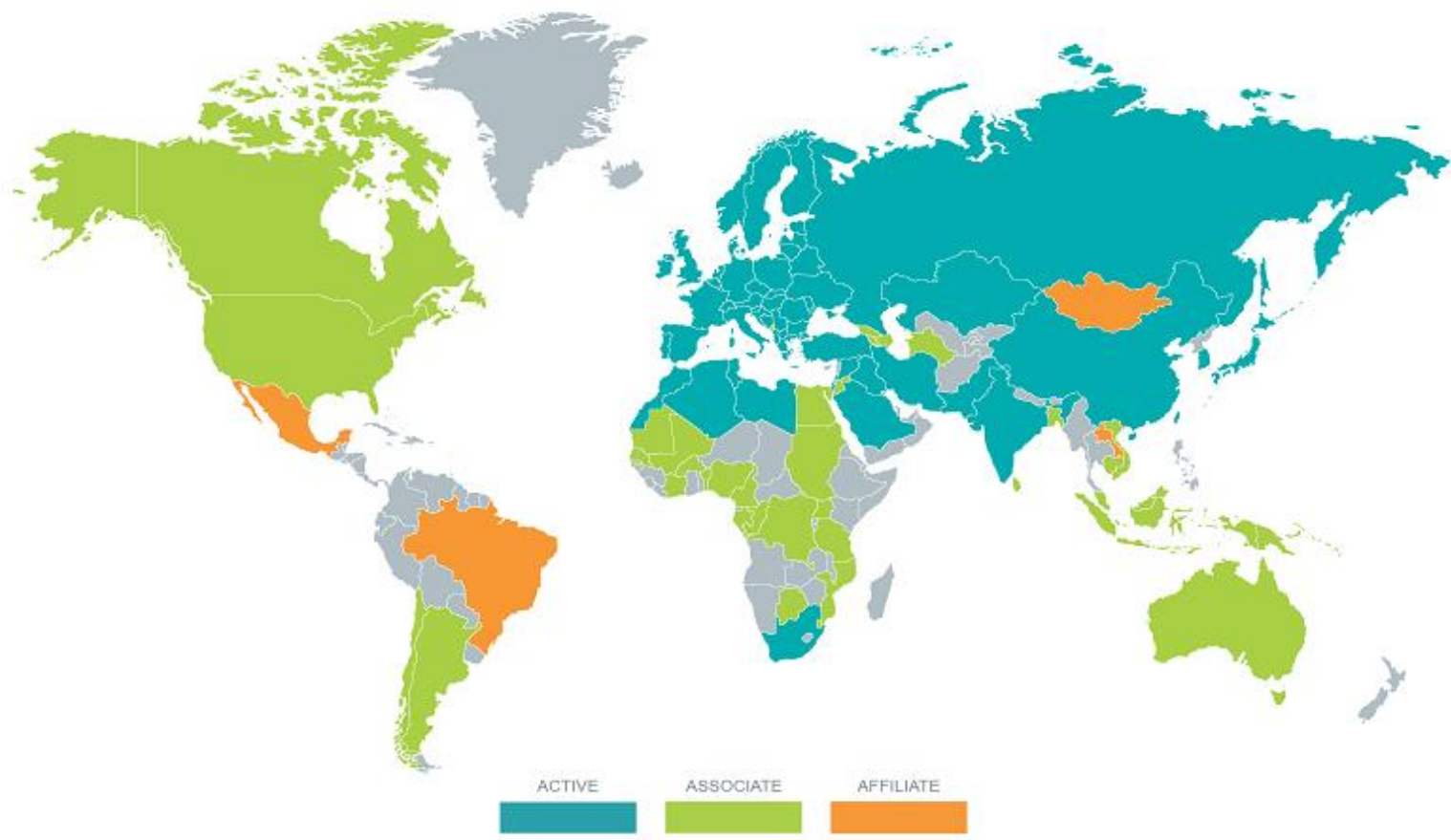
UIC: the International Union of Railways

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



UIC 2015

15



UIC Mission

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

Statistics publications

Paper

- Yearbook : final data
- Synopsis : provisional numbers
- Time series indexes and values

Also on-line data

- Quarterly : <http://uic.org/spip.php?rubrique1450>
- Synopsis : <http://uic.org/spip.php?rubrique1449>

Access to Railisa database :
<http://uic.org/spip.php?article1352>

UIC Statistics are company-based,
provided and validated by UIC members

[Click here to visit UIC statistics webpage](http://uic.org/spip.php?rubrique988)

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



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



Coming soon



RECENT DEVELOPMENTS

On-line data collection tool available for UIC members

- Explanatory notes are in line with the ITF / UNECE / Eurostat glossary
- Need to be registered, statistics correspondents are identified
- Data are annually and monthly collected for now
- Previous period data are proposed in the questionnaire

On-line data collection tool

Annual data :

Check the % evolution before saving your new data



STI data collection tool



Select year :

2013 ▾

Step 2 : Control data

Enter nothing for delete data

	2012	2013	Calc	Control	var_id
31 - Staff: Structure per activities					
Mean annual railway staff strength (full time equivalents)					
Infrastructure					
Total (Col.3)		123			3103
of which Traffic Management (Col.4)					3104
Operations					
Railway					
Total (Col.5)	13866	14785		6,63%	3105
of which train drivers (Col.6)	5349	5540		3,57%	3106
of which train staff (Col.7)	1528	1525		-0,20%	3107
Road and sea / waterways (Col.8)					3108
Total (Col.9)	13866	14785	<input checked="" type="checkbox"/>	6,63%	3109
Other (Col.10)					3110
Total (Col.11)	13866	14835	<input type="checkbox"/>	6,99%	3111
Total number of hours actually worked (Col.12)	23849520	25430200		6,63%	3112
Percentage of unavailability due to sickness and injury (Col.13)	2,4	2,5		4,17%	3113

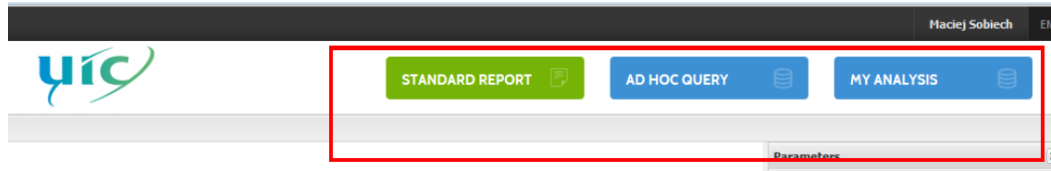
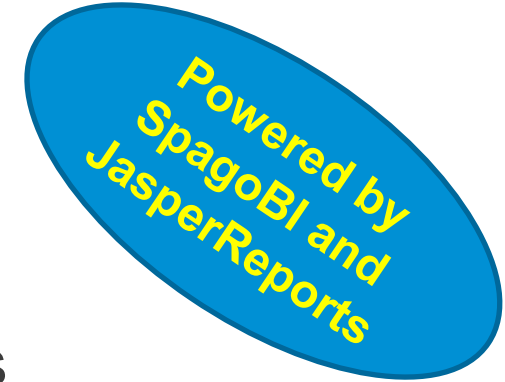
Back

Save

<- Back menu



Online consultation : RAILISA reborn



Standard reports = yearbook + time series
Ad hoc query = full access to database

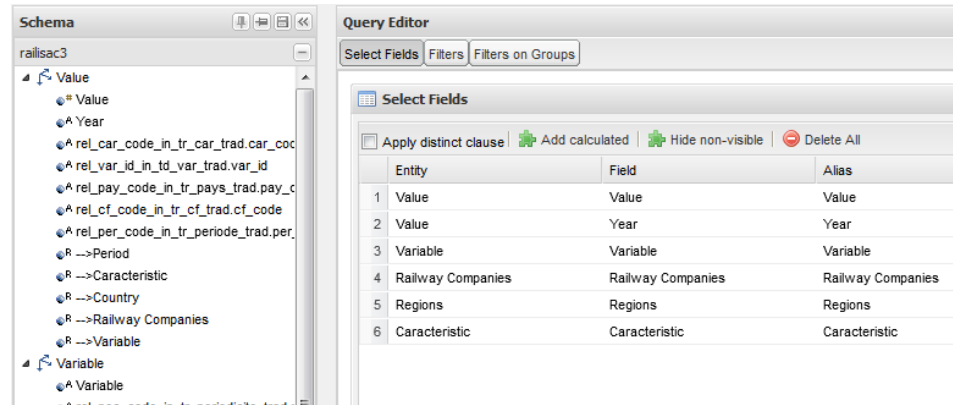
Standard Report

Years: 2012, 2011

Domains	Variables	Region	Rail Companies
22 - Passenger transport stock	1305 - of which passenger trains	EU / UE	ATOC
13 - Gross hauled tonne-kilometres of passenger trains running on the network of the infrastructure manager (Data 2007 onwards)	1308 - of which passenger trains		RFF
	2205 - Railcars and trailers		SNCF

Click on value to report these data as incorrect.

			2011	2012
2205 Railcars and trailers	France SNCF	All gauges	24,184.00	24,768.00
		Narrow gauge	116.00	116.00
		Standard gauge	24,068.00	24,652.00
	United Kingdom ATOC	All gauges	21,480.00	21,590.00
		Standard gauge	21,480.00	0.00



+ Custom “reports” (create one, run many)

Interactive Rail Atlas – New project “GRIDS”

> Rationale

Aggregated data do not suffice to plan for renewal, extensions or capacity
Impact assessments require not only technical details

> Scope : iron network....

Implementing the **UIC RailTopoModel** – all data in one place
Interoperable with European Register of Infrastructure (tech. data)

> ... adding at least Stations (Supports UIC Rail Observatory)

> Data : not just technical

Operational (e.g. timetables ; possible link with telematics applications)
Economic (life cycle cost model, built-in)

> Usability, confidentiality

“Private” data, locally managed, are possible
Scenario-player (funded via EU NetlRail project, start June 2015)

> Evolution

Open source architecture – EUPL 1.1
Using open data (OpenStreetMap...) as far as available

What about data quality and availability?

> **Collection : decreasing return rate**

... despite online collection

Exception: Central and Eastern European countries

→ Increase the “reward” (RAILISA, business intelligence)

– but providers and users are different, so:

→ **Find alternative sources**

> **Open Data ?**

Rail world is rather conservative, but there are signs of evolution

> **Crowdsourcing ?**

2015 Opening RAILISA to the public → returns (corrections, gap-filling)

2016... Wikipedia or similar ?

- **complex info** (such as Company history)

- **quality indicators** (currently: Eurobarometers)

■ ■ ■ Thank you for your kind attention

Snejana Markovic-Chénais, Airy Magnien

markovic@uic.org magnien@uic.org

Visit our website at <http://uic.org>