

unity, solidarity, universality

Statistics at the International Union of Railways

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UIC - Presentation

The UIC (Union Internationale des Chemins de fer) is a worldwide association

currently has about 200 members.

>>> **145** are railway companies or associations of railway companies

- Infrastructure managers
- Freight operators
- Passenger operators

>>> Other members are administrations, research institutes...



ITF-OECD/ Transport Statistics Meeting / Paris, March 14-15 2017

~ 100 railway companies participate to the statistics group

At least one statistics correspondent per company



Steering committee :

Chairman: Roman Sterba CD (CZ) 16 collaborators from 9 railway companies + CER (Communauté Européenne du Rail)

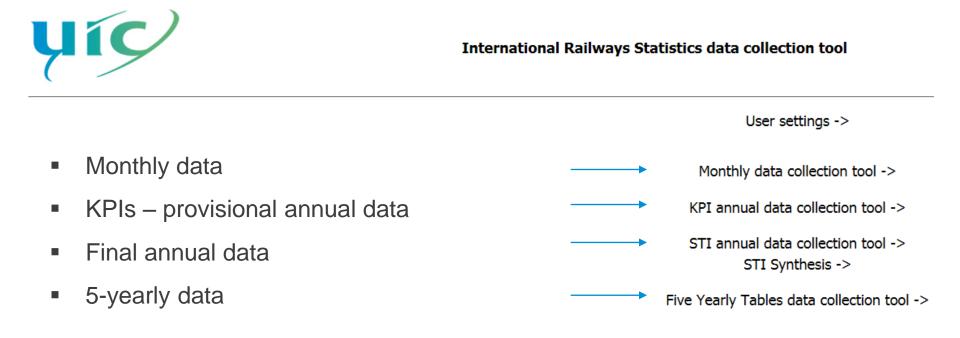
Meeting twice a year

Plenary meeting in December open to all our statistics correspondents.



4 online questionnaires

3 languages: English\French\German



<- Logout

Data collection

Monthly data



Railway Undertaking

Passenger Traffic

- Passenger carried - Passenger-kilometres

Wagon load freight Traffic / Global

Tonnes carried
 Tonne-kilometres

Wagon load freight Traffic / Trafic international

- Tonnes carried
- Tonne-kilometres

Infrastructure manager

- Passenger trains - Freight trains

Monthly data collection tool - INTERNE

Select a company :

Select year :

CD	~
2017 🗸	

Railway undertaking - Passenger Traffic Passengers - Month X 1 000

Step 1 : data entry

Legend Header Data in Production database Header Data in Application

Months	2015	2016	2017	2017 🕡	Comment
01 - January	13991	14272	14371		
02 - February	12739	12915			
03 - March	14354	14224			
04 - April	14595	14238			
05 - May	14728	15183			
06 - June	15060	14784			
07 - July	13253	13477			
08 - August	13415	14669			
09 - September	14876	15199			
10 - October	14654	14489			
11 - November	14422	14370			
12 - December	13629	13671			
Total	169716	171491	14371	0	



Traffic data

Passenger Freight Trains

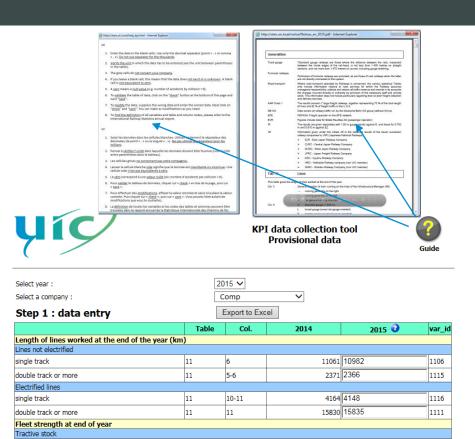
8 variables collected

Data collection

KPIs - provisional data

Network infrastructure Rolling stock Staff Traffic (passenger, freight and trains) Turnover

Total of 40 variables collected



21

21

21

21

23

41

41

41

4

6

8

9

6

4

11

5

1817 1795

2468 2502

3270 3299

9138 9017

19217 18990

91787 88066

296094 297170

825078 793452

631895 616007

193183 177445

2104

2106

2108

2109

2206

2304

3111

4104

4105

4106

Railway-owned vehicles (Coaches, railcars and trailers) 22

Average annual number of staff (full-time equivalents) 31

Train runs (thousand train-kilometres)

Diesel locomotives Electric locomotives

Diesel railcars

Electric railcars Passenger transport stock

Staff

Total

Freight transport stock

Railway-owned vehicles

of which passenger trains

of which freight trains

Data collection

Annual data

Collected from July to September

37 tables - 559 variables



Data collection tool



Dela hara	Destation		7											
	Production	~	<u></u>											
Select year :	2015 🗸													
Select a company :														
Select a table :	ble : 12 - Train movements on the network of the infrastructure manager													
Step 1 : data entry														
		2014	2015 🕡	Calc	Comment	var_id	Visibility	Indicators financial staff						
12 - Train movements on the netwo	ork of the inf	rastructure	manager											
thousand train-kilometres														
All modes of traction (including stea	am)			_										
	E	9614	9366		Ŧ	1204	Public 🗸	*						
Total (Col.4)	L	144358	142043		Ŧ	1204	Public 🗸	*						
Total (Col.4)	N	47023	46165		Ŧ	1204	Public 🗸	*						
	_TOTAL	200995	197574		Ŧ	1204	Public 🗸	*						
	E	8581	8437		÷	1205	Public 🗸							
of which passenger trains (Col.5)	L	118154	116062		Ŧ	1205	Public 🗸							
or which passenger trains (coilo)	N	46887	46019		Ŧ	1205	Public 🗸							
	TOTAL	173622	170518	 Image: A start of the start of	Ŧ	1205	Public V							

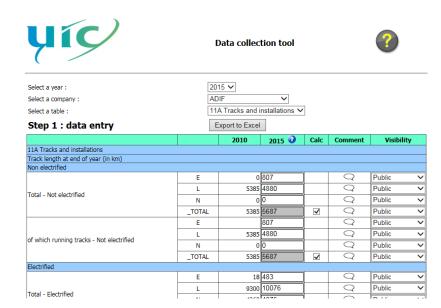
Network – Transport stock – Staff – Traffic – Punctuality – Financial Results – Energy – Accidents – High Speed



• 5 yearly data 2015

200 variables collected

CATEGORY	Tables					
NETWORK	Tracks and Installations					
	Purpose-built wagons (for standard or broad gauge lines)					
	Age of powered stock					
TRANSPORT STOCK	Age of passenger transport stock					
	Age of freight transport stock					



Control: Absolute difference with the previous year above 10% = red signal

Data type :		Productio	on	\checkmark					
Select year :		2015 🗸							
Step 2 : Control data									
	2014	2015 🕡	Calc	Control	var_id	Visibility]	Indicators financial	Indicator traffic, staff
71 - Balance sheet									
in millions National Currency									
WITH 3 DIGITS AFTER THE COMMA									
ASSETS									
Fixed assets									
Intangible assets (Col.3)	4195	3762		-10,32%	7103	Public	~		
Tangible assets									
Net balance sheet value									
Land and buildings (Col.4)	17691	17269		-2,39%	7104	Public	~	*	
Plant, machinery, equipment and furniture (Col.5)	 7401	7095		-4,13%	7105	Public	~	*	
Transport stock (Col.6)	11046	11111		0,59%	7106	Public	$\mathbf{\vee}$	*	

2884 3584

Advance payments and fixed assets in construction (Col.7)



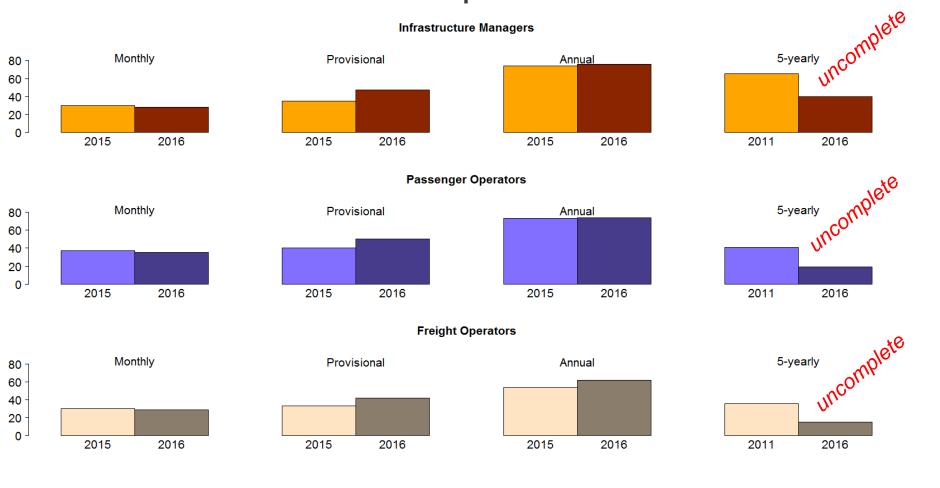
Public

24,27% 7107

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Level of participation - 4 data collections

companies



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Contribution

Data Dissemination

Online consultation for UIC members

Quarterly and annual traffic data

From 2012 to 2017

Can be downloaded

Railway undertaking - Passenger Traffic

Pkm - Month X 1 000 000

Region	Country	Company	2015	2016	М	%
	AT	WB	186	190	3	2,15
	BE	SNCB/NMBS	2666	2437	3	-8,58
	BG	BDZ PP	344,341	327,33	3	-4,94
	CZ	CD	1601	1675	3	4,62
	DE	DB AG	18715,24	18969,45	3	1,35
	DK	DSB	1456	1441	3	-1,03
	ES	FGC	211,79	219,04	3	3,42
	ES	RENFE	5582	5868	3	5,12
	FI	VR	930	932,9	3	0,31
	FR	SNCF MOBILITES	20042,317515	20122,387967	3	0,39
EU	GB	ATOC	5104,955163	5108,095772	1	0,06
EU	HR	HZ PASSENGER	215,4	218,7	3	1,53
	HU	GYSEV/RÖEE	76	76	3	0
	HU	MAV	1220	1206	3	-1,14
	IE	CIE	453	459	3	1,32



Railway Undertaking

Passenger Traffic

Passenger carried
 Passenger-kilometres

Wagon load freight Traffic / Global

- Tonnes carried
- Tonne-kilometres

Wagon load freight Traffic / Trafic international

- Tonnes carried
- Tonne-kilometres

Infrastructure manager

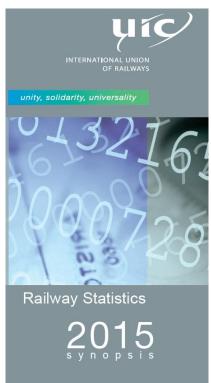
- Passenger trains
- Freight trains

Full year	
Quarter 1	
Quarter 2	
Quarter 3	

View print	Export to Excel

Publication

Railway Statistics – Synopsis Provisional data



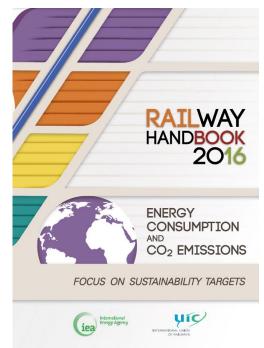
http://www.uic.org/

UIC Safety Report



Railway Handbook: Energy Consumption and CO2 emissions.

In collaboration with the International Energy Agency



Publication

Restricted to UIC Members

International Railway Statistics

Statistique Internationale des Chemins de fer

Internationale Eisenbahnstatistik

International Railway Statistics

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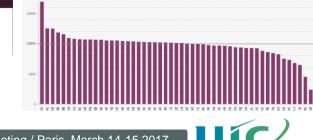
	11 - Lines Strecken Lignes																
2015																	
				5	6	7	8	9	10	11	12	13	14 th at the er				
용	2				Length of lines worked at the end of the year												
ğ	- E	le B	gauge	Lines not	electrified			Electrified lines									
country Code	Infrastructure	Manager	8	Circo rioc	cicconica	Catenar	y supplied	Supplied by	Total	double track	Total length		of which				
- 5	La.	ž	in the second se	Total	single		DC current	direct-current			of lines	Total	electrifie				
8				Total	track	AC current	DC current	contact rail	col. 7 to 9	or more	col. 5+10						
								in ki	lometres								
				5	6	7	8	9	10	11	12	13	14				
						,		inge am Jahrese				Gleislänge a					
		G		Nicht ele	ktrifizierte		Ei	ektrifizierte Stree	ken								
e		a la		Stre	cken	Fahr	leitung										
Ländercode		Set	Spurweite					1	Summe	zwei- und	Betriebslänge	Summe darunter elektrifiziert 13 14 Longueur des voies à la fin de Zannée					
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2		¥	1 2	Summe	eingleisig	strom	Gleichstrom	mit Gleichstrom					CICICITIE				
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		1 nfrastrukturbetrei ber						in K	lometer								
				5	6	7	8	9	10	11	12	13	14				
						1		a sumbar da se A la s	Da da Barrad	-		Longueur	des voies à				
		an a			Longueur des lignes exploitées à la fin de l'année												
		20				Lignes électrifiées											
Ś		ast	ī	Lignes non	électrifiées	Alimen	tées par				1.						
a de la de l		Ē	8				énaire	Alimentées par	Total	à double voie	Longueur totale des						
Code Pays	-	Gestionnaire d'Infrastucture Errent des rails		the provide		5 5						rail de contact	TOLA	et plus	totale des lignes	Total	dont
8							en courant					électrifiée					
		Ê	L 🗉	Total	à voie	courant alternatif	courant continu	continu									
		²			unique	alternatii	conunu	contanta	col. 7 à 9		col. 5+10		1				
		ë															
Var II				1105	1106	1107	1108		iomètres 1110	1111	1112	1113	11				
EU / I																	
AT	GKB	2015	N	91	91						91	91					
			TOTAL	91	91				0		91	91					
	ÖBB	2015	N	1 329	1 329	3 517			3 517	2 087	4 846	9 646	8 (
			TOTAL	1 329	1 329	3 517			3 517	2 087	4 846	9 646	8 (
BE	INFRABEL	2015	TOTAL								3 607						
BG	NRIC	2015	E	125	125	0	0	0	0	0	125	138					
			l ī	0	0	0	ō			Ō	0	15					
			N	1.035	1 035	2 859	0	0	2 859	0	3 894	6 321	47				

Financial indicators

3. Viability Ratio (%)

This is the quotient of total operating income to total operating expenses. If this ratio is higher than 1 (or 100%), the operation was profitable during the financial year.





2015

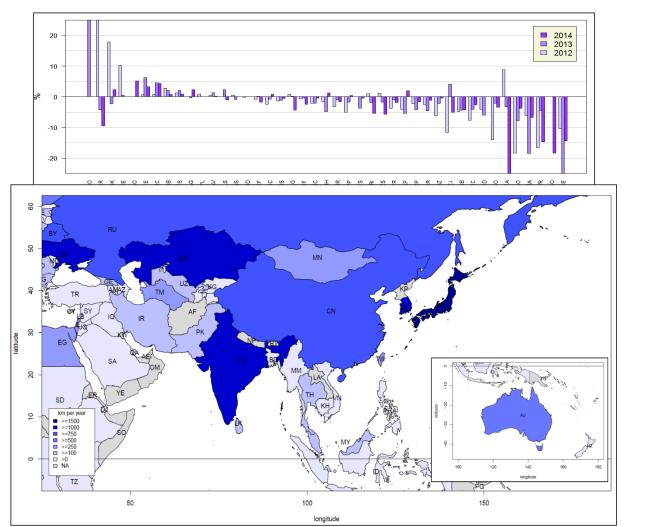
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Financial Indicators

EXECUTIVE SUMMARY

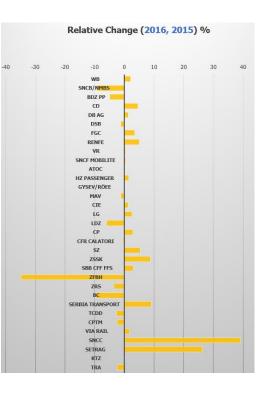
FOR THE FINANCIAL YEAR

Publication



Railway activity indicators and maps

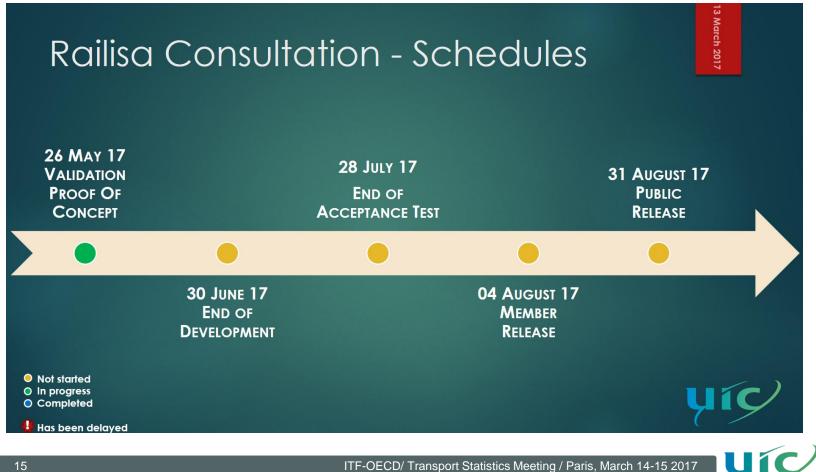
Quarterly report recent trends - traffic



Our projects

- Modifications of the data collection Passenger and Freight traffic
- Online Consultation UIC members and Public







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