

Romanian Railway System

(a road / railway “fight”)

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Railforum - Amsterdam, 17/03/08

Romanian Railway System

Euro-Asia Railway Area

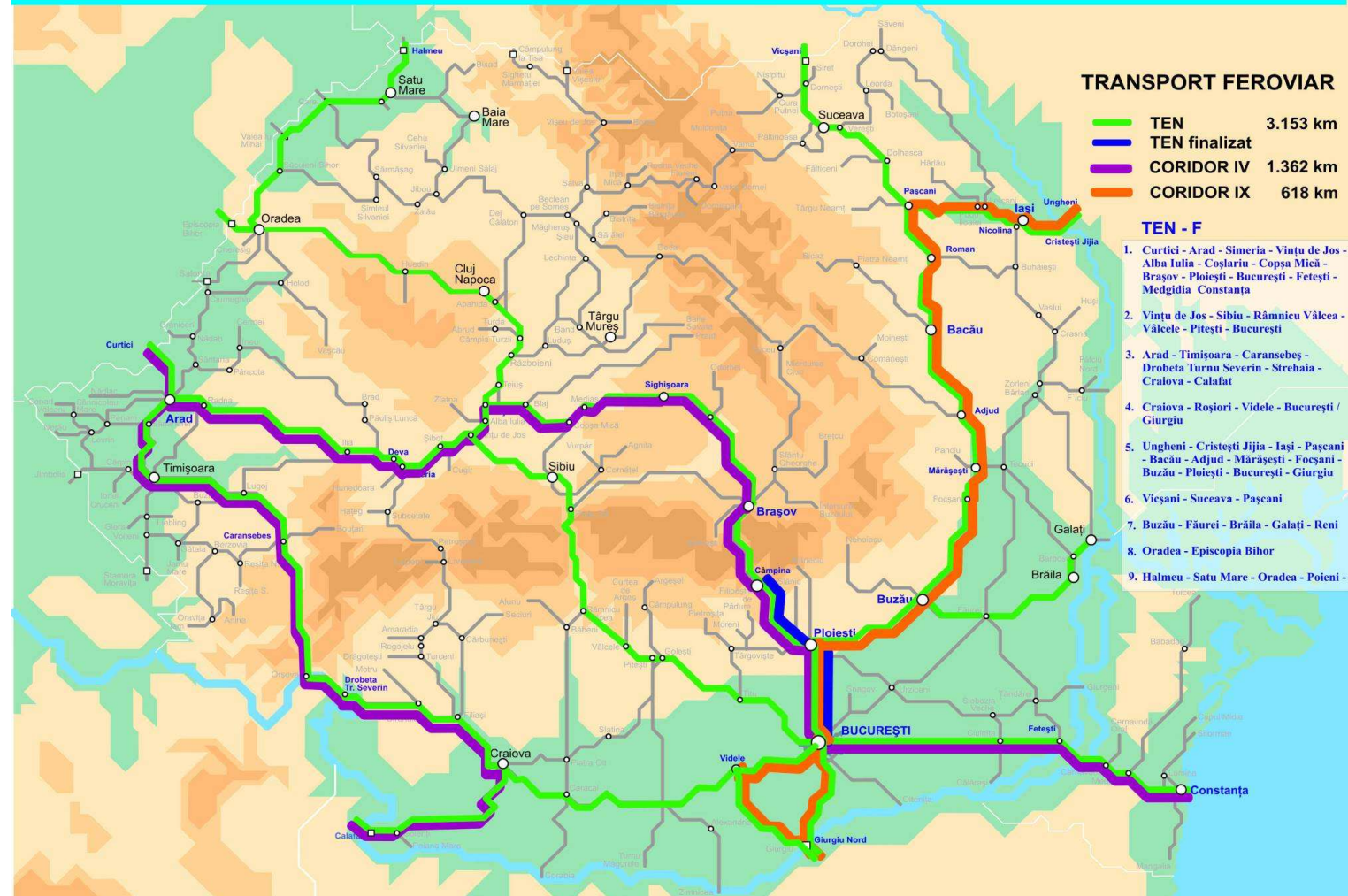


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Reteaua TEN (feroviar) de pe teritoriul României





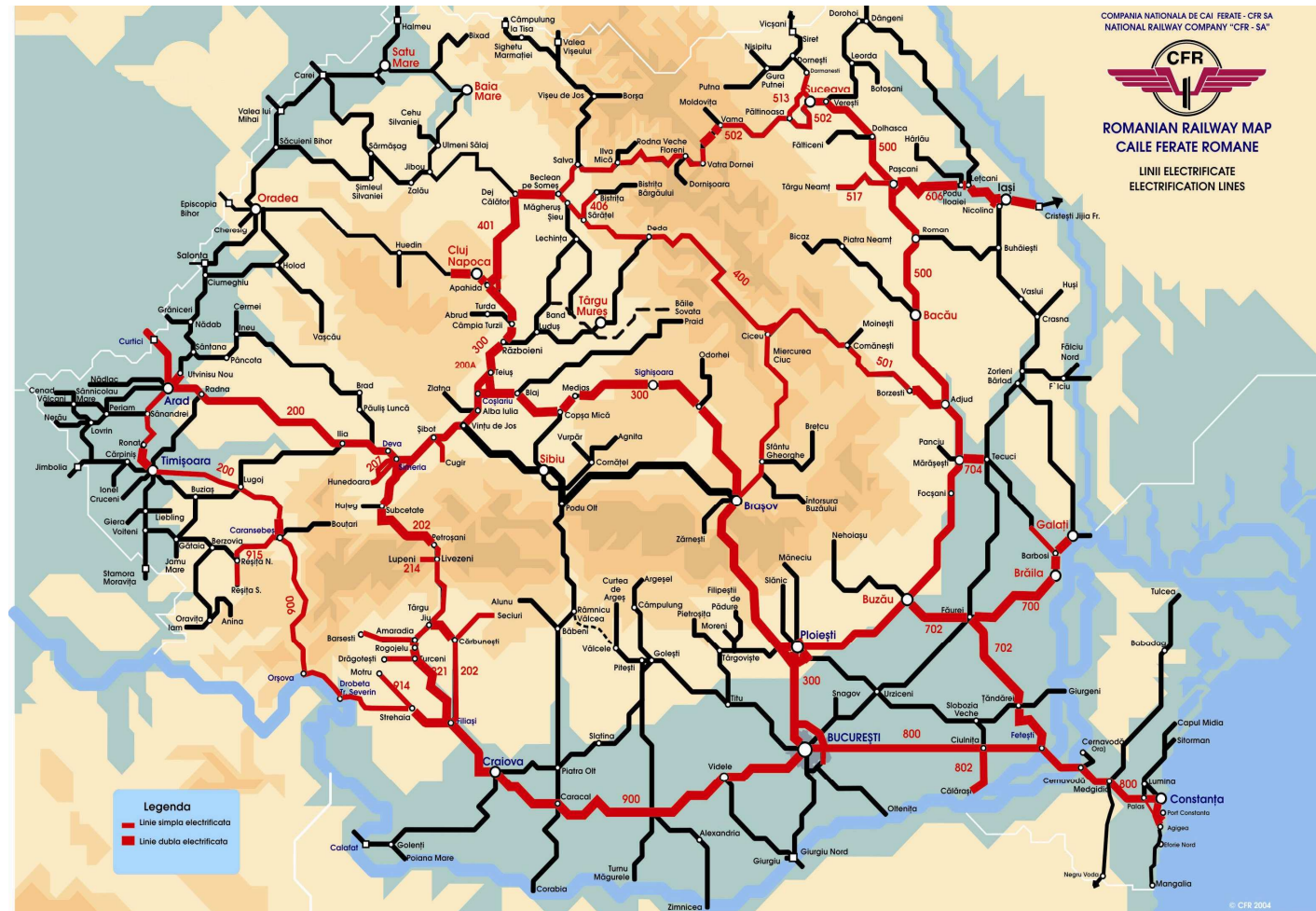
Romanian Railway System

Romanian railway network (1/2)

○ network length:	10,781 km
○ Density	46.3 km/1000 sqkm
○ double lines:	27,34 %
○ electrified lines:	36,23 %
○ power supply:	25 kV, 50 Hz
○ railway stations:	996
○ simple track switches:	24,000
○ bridges:	4,236
○ tunnels:	179
○ interlocking systems:	650
○ electric traction sub-stations:	77
○ heavy track machines:	570
○ Sections proposed to be leased or closed	3,388 km
○ Sections already leased (since 2004)	1,185 km

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Romanian railway network (2/2)



Note:

Electrified lines

Non-electrified lines

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Romanian railway operators and rolling stock (1/4)

Rail passenger transport:

- in 2006 it was of 93 million of passengers, respectively 8.05 billion passengers-km
- Main operators: CFR Călători (state owned, 97% market share); RC-CF Trans, RegioTrans, Regional, Servtrans Investments (private ownership)

Freight Traffic:

- in 2006 52 million of tones of freight have been transported, respectively 11.57 billion tones-km
- Market structure: CFR Marfă (state owned, 74% market share – to be privatised in the near future); 25 private companies, controlling 26 % market share; around 200 shunting operators

Rolling stock structure:

- 2.000 locomotives (electric and diesel)
- 218 railcars
- 60.000 freight cars
- 5.500 passenger cars..
- The average age of the locomotives - 30 years
- The average age of passenger coaches – 25 years

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Romanian railway operators and rolling stock (2/4)

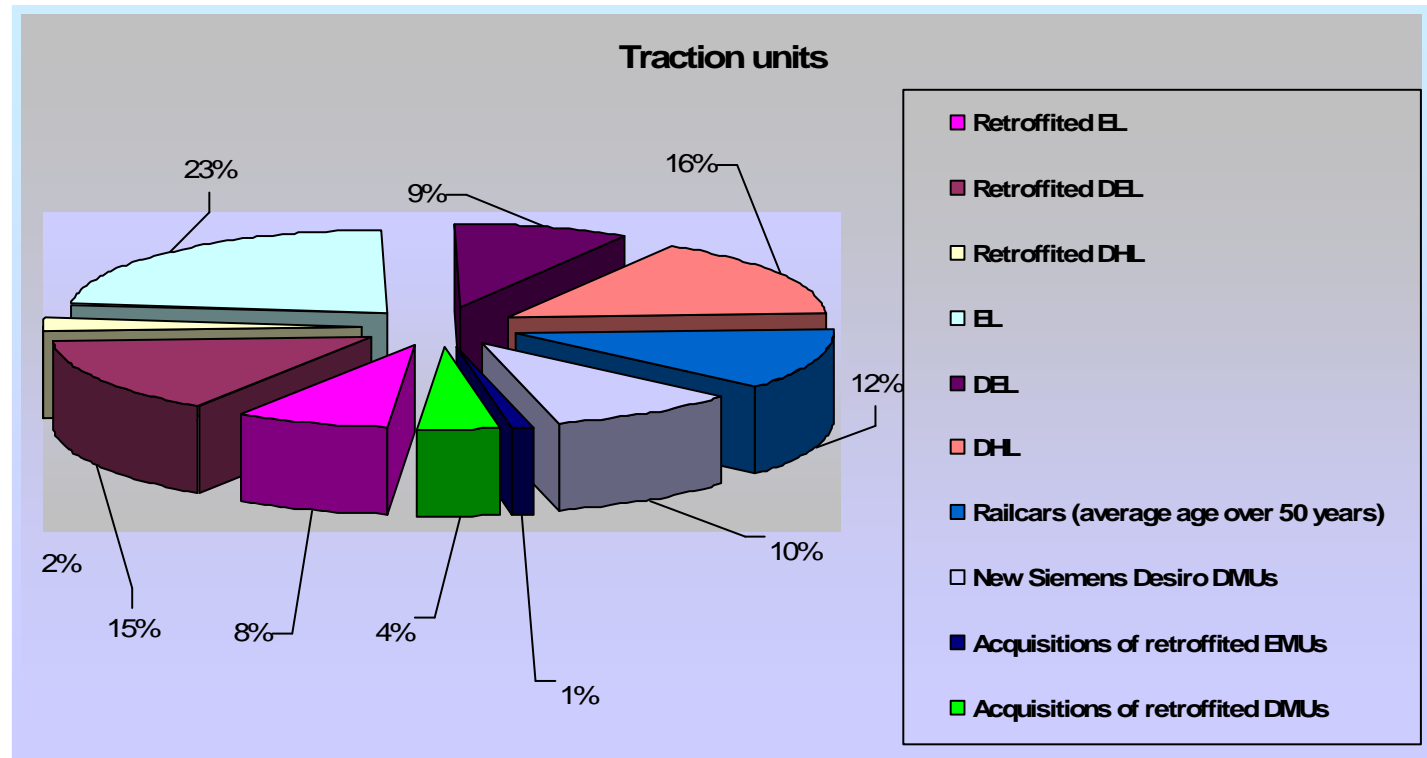


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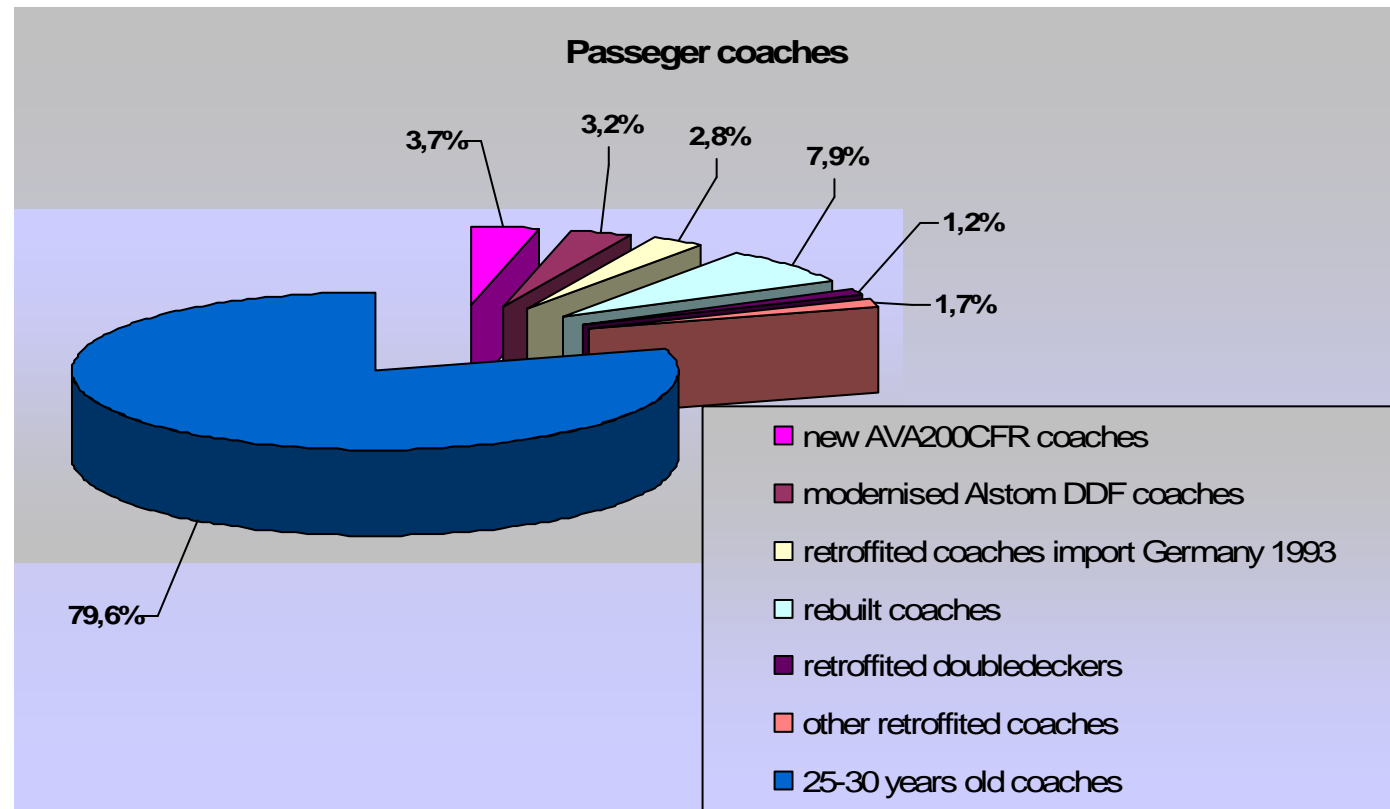
Romanian railway operators and rolling stock (3/4)



Total units – 1188 locomotives, railcars, DMUs & EMUs

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Romanian railway operators and rolling stock (4/4)



Total units – 3161 coaches

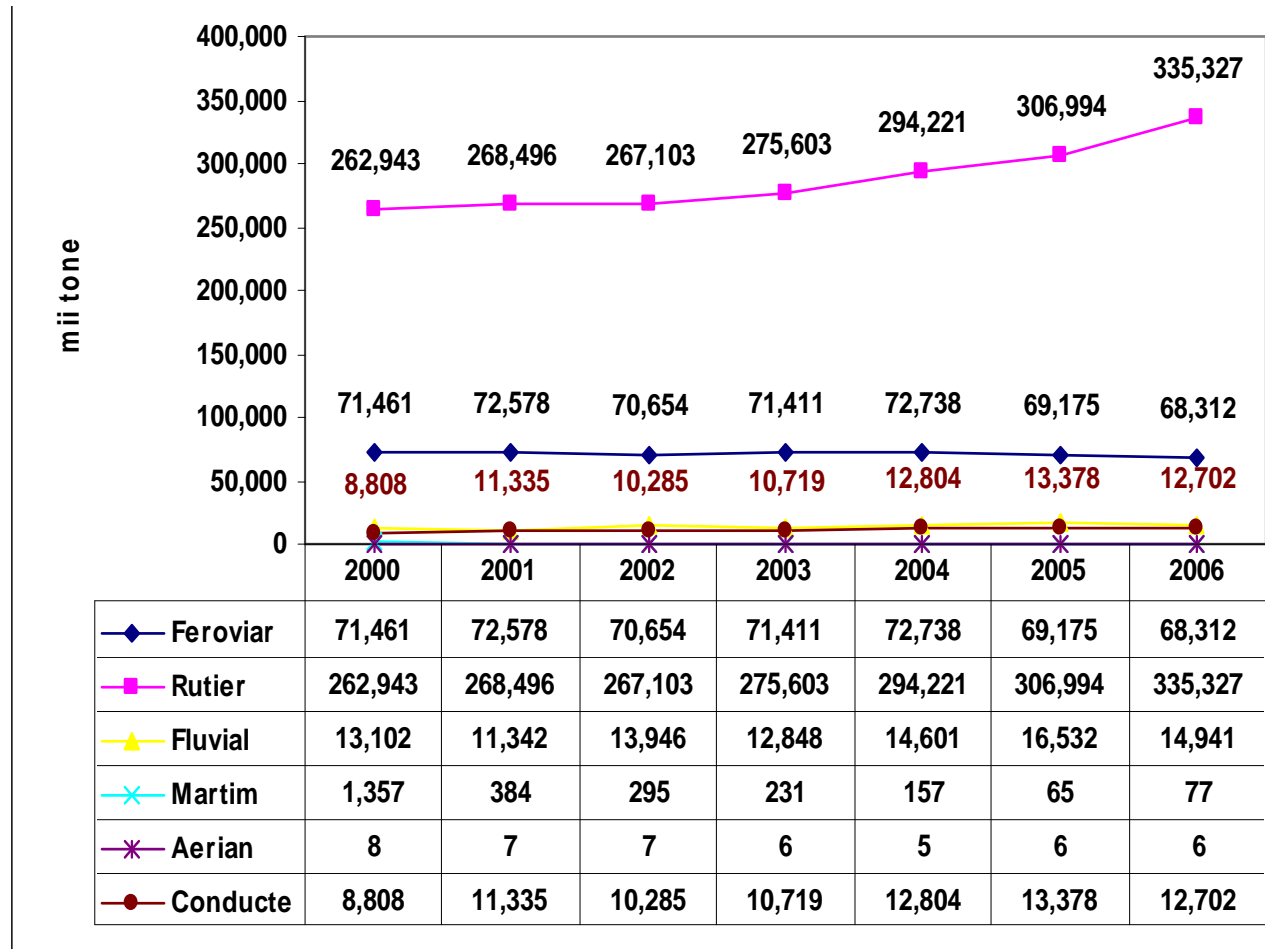
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STATISTICS FOR RAILWAY/ROAD TRANSPORTS

DATA	Transport system	2004	2005	2006
Freight traffic (Tonnes carried x 1.000)	railways	72.738	69.175	68.313
	roads	294.221	306.994	335.327
Freight traffic (Tonne-km x 1.000)	railways	18.426.328	17.499.231	16.047.446
	roads	37.220.316	51.531.438	57.277.941
Passenger traffic (Passengers carried x 1.000)	railways	99.434	92.424	94.441
	roads	216.524	238.017	228.009
Passenger traffic (Passenger-km x 1.000)	railways	8.638.293	7.984.959	8.092.460
	roads	9.437.848	11.811.649	11.735.445
Casualties (persons) as follows:	railways	3	2	0
	roads	8012	8509	7769
- died	railways	0	1	0
	roads	2418	2641	2478
- injured	railways	3	1	0
	roads	5594	5868	5291

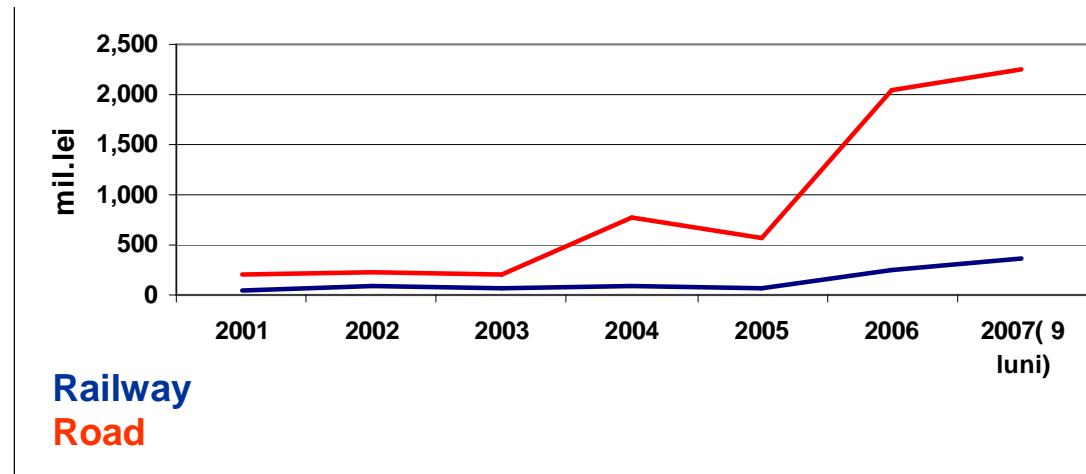
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Freight transport evolution for 2000 – 2006 (comparison among transport modes)



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Investments in railway/road infrastructures



MILLION LEI (RON)	2001	2002	2003	2004	2005	2006	2007(9 luni)
Total RAILWAY infrastructure	188	206	264	306	527	462	509
Total ROAD infrastructure	399	526	555	1,539	1,592	2,591	2,743

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Elements that influence costs and subsequently transport tariffs

Railway Trasports	Road Transport
Costs to access public infrastructure	
Access charge = 3.9 EUR / train-km	Access charge = 750 EUR / truck / year
Access charge is about 0,0089 EUR / tonne-km	Access charge is about 0,0019 EUR / tonne-km
Railway access charge is about 21% of total revenues (where tariffs for both systems are aprox. Equal)	Road access charges are about 1% of total revenues and they have an insigniffiant weight in transport tariffs
Other elements	
Taxes included in oil price (aprox 25% out of 225 Mil. EUR / year) don't return to railway infrastructure maintenance.	Part of oil taxes goes to maintenance, upgrading or expansion of road network.
High charges for railway operators activity inspections (charges related to train-km)	There are no such charges
It is mandatory to buy spare parts and other equipments from homologated railway suppliers (no open market)	The spare parts market is completely liberalized



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About us

Tren Club Roman:

Also known as TCR, the association of railway friends

Founded in 1990 with initial goals to (1) save historical railway objects and buildings and (2) to set up a railway museum

At present time works for raising the importance of railways in transport systems

President: Octavian Udriste

Club Feroviar:

Business organization established to strengthen the links between railway suppliers and undertakings

Publisher of Club Feroviar Magazine (Romanian and English versions)

Senior partners: Cosmin Botez & Stefan Roseanu

**Thank you for your
attention!**

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