2014 TRENDS in Rail Transport

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UIC in 2015
UIC today

- **186** Members in 76 countries
- **3 000** billion passenger.kilometres
- **10 000** billion tonne.kilometres
- **1 million** kilometres of lines
- **7 million** rail staff
- Cooperation with over **100** institutions
- **700** UIC Leaflets (international railway standards)
- **85** congresses, conferences, workshops
UIC missions

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

Key Challenges in terms of

- Innovation
- Standardisation
- Transmission
- Dissemination
- Strategic Advice
Synergies developed by UIC with leading institutions

UIC Consultative status to UN, ECOSOC
UIC DG Member of HL- Adv Group to UN SG on Sustainable Transport
A strategic vision for the rail development in every region of the world
Statistics publications

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

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

Click here to visit UIC statistics webpage
http://uic.org/spip.php?rubrique988
Synopsis with 2014 data

> **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, High speed traffic.
International Railway Statistics

NETWORK
TRANSPORT STOCK
STAFF
OPERATION
PASSENGER TRAFFIC
FREIGHT TRAFFIC
FINANCIAL RESULTS
ENERGY
ACCIDENTS
FERRIES
HIGH-SPEED
FIVE YEARLY TABLES

- Yearly publication
- Public data
- Paper until 2011
- Electronic files from now on
- RAILISA online querying: at pre-production stage
## Main indicators *(for reference)*

### Passenger-kilometres (billions)

<table>
<thead>
<tr>
<th>Region</th>
<th>2007</th>
<th>2008</th>
<th>2009</th>
<th>2010</th>
<th>2011</th>
<th>2012</th>
<th>2013</th>
<th>2014</th>
<th>(\Delta%)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Europe including Turkey</td>
<td>469.2</td>
<td>483.8</td>
<td>470.5</td>
<td>472.8</td>
<td>485.6</td>
<td>480.0</td>
<td>476.1</td>
<td>475.3</td>
<td>-0.2%</td>
</tr>
<tr>
<td>Russian Federation</td>
<td>173.4</td>
<td>175.9</td>
<td>153.6</td>
<td>139.0</td>
<td>139.8</td>
<td>144.6</td>
<td>144.6</td>
<td>128.8</td>
<td>-10.9%</td>
</tr>
<tr>
<td>Africa</td>
<td>61.6</td>
<td>62.0</td>
<td>62.2</td>
<td>62.3</td>
<td>49.3</td>
<td>49.3</td>
<td>49.3</td>
<td>63.5</td>
<td>29%</td>
</tr>
<tr>
<td>America</td>
<td>13.3</td>
<td>14.0</td>
<td>13.5</td>
<td>12.0</td>
<td>20.8</td>
<td>20.9</td>
<td>22.3</td>
<td>21.7</td>
<td>-2.4%</td>
</tr>
<tr>
<td>Asia Oceania and Middle East</td>
<td>1,788.6</td>
<td>1,950.9</td>
<td>2,012.0</td>
<td>2,079.3</td>
<td>2,187.8</td>
<td>2,171.7</td>
<td>2,173.0</td>
<td>2,380.9</td>
<td>9.6%</td>
</tr>
<tr>
<td>WORLD <em>estimates</em></td>
<td>2,506.1</td>
<td>2,686.6</td>
<td>2,711.9</td>
<td>2,765.4</td>
<td>2,883.4</td>
<td>2,866.6</td>
<td>2,865.3</td>
<td>3,070.2</td>
<td>7.2%</td>
</tr>
</tbody>
</table>

### Tonne-kilometres (billions)

<table>
<thead>
<tr>
<th>Region</th>
<th>2007</th>
<th>2008</th>
<th>2009</th>
<th>2010</th>
<th>2011</th>
<th>2012</th>
<th>2013</th>
<th>2014</th>
<th>(\Delta%)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Europe including Turkey</td>
<td>723.2</td>
<td>986.8</td>
<td>546.0</td>
<td>700.6</td>
<td>648.6</td>
<td>621.4</td>
<td>604.1</td>
<td>569.6</td>
<td>-5.7%</td>
</tr>
<tr>
<td>Russian Federation</td>
<td>2,090.3</td>
<td>2,116.2</td>
<td>1,865.3</td>
<td>1,903.2</td>
<td>2,127.2</td>
<td>2,222.4</td>
<td>2,222.4</td>
<td>2,298.6</td>
<td>3.4%</td>
</tr>
<tr>
<td>Africa</td>
<td>139.2</td>
<td>138.4</td>
<td>137.1</td>
<td>139.2</td>
<td>139.1</td>
<td>139.1</td>
<td>139.4</td>
<td>158.7</td>
<td>14%</td>
</tr>
<tr>
<td>America</td>
<td>3,540.2</td>
<td>3,513.8</td>
<td>2,973.2</td>
<td>3,076.1</td>
<td>3,132.6</td>
<td>3,231.0</td>
<td>3,231.0</td>
<td>3,252.5</td>
<td>0.7%</td>
</tr>
<tr>
<td>Asia Oceania and Middle East</td>
<td>3,095.9</td>
<td>3,452.7</td>
<td>3,466.2</td>
<td>3,462.0</td>
<td>3,621.2</td>
<td>3,593.1</td>
<td>3,592.3</td>
<td>3,410.7</td>
<td>-5.1%</td>
</tr>
<tr>
<td>WORLD <em>estimates</em></td>
<td>9,588.9</td>
<td>10,207.9</td>
<td>8,987.9</td>
<td>9,281.2</td>
<td>9,668.6</td>
<td>9,807.0</td>
<td>9,789.2</td>
<td>9,690.2</td>
<td>-1.0%</td>
</tr>
</tbody>
</table>

### Length of lines (kilometres)

<table>
<thead>
<tr>
<th>Region</th>
<th>2007</th>
<th>2008</th>
<th>2009</th>
<th>2010</th>
<th>2011</th>
<th>2012</th>
<th>2013</th>
<th>2014</th>
<th>(\Delta%)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Europe including Turkey</td>
<td>264,630.4</td>
<td>263,805.8</td>
<td>268,465.9</td>
<td>285,408.3</td>
<td>270,341.9</td>
<td>265,115.6</td>
<td>265,231.0</td>
<td>348,514.0</td>
<td>31.4%</td>
</tr>
<tr>
<td>Russian Federation</td>
<td>84,158.0</td>
<td>85,194.0</td>
<td>85,281.0</td>
<td>85,292.0</td>
<td>85,167.0</td>
<td>84,249.0</td>
<td>84,249.0</td>
<td>85,266.0</td>
<td>1.2%</td>
</tr>
<tr>
<td>Africa</td>
<td>52,400.0</td>
<td>52,482.0</td>
<td>52,299.0</td>
<td>50,274.5</td>
<td>70,505.1</td>
<td>70,504.6</td>
<td>70,505.0</td>
<td>50,959.0</td>
<td>-28%</td>
</tr>
<tr>
<td>America</td>
<td>389,862.8</td>
<td>386,772.8</td>
<td>383,079.2</td>
<td>375,773.6</td>
<td>369,222.0</td>
<td>369,222.0</td>
<td>381,538.0</td>
<td>371,114.0</td>
<td>-2.7%</td>
</tr>
<tr>
<td>Asia Oceania and Middle East</td>
<td>222,644.5</td>
<td>221,827.0</td>
<td>224,151.0</td>
<td>224,204.9</td>
<td>233,570.4</td>
<td>232,365.9</td>
<td>227,707.0</td>
<td>229,702.0</td>
<td>0.9%</td>
</tr>
<tr>
<td>WORLD <em>estimates</em></td>
<td>1,013,695.7</td>
<td>1,010,081.6</td>
<td>1,013,276.1</td>
<td>1,020,953.2</td>
<td>1,028,806.4</td>
<td>1,021,457.1</td>
<td>1,029,230.0</td>
<td>1,000,289.0</td>
<td>-2.8%</td>
</tr>
</tbody>
</table>
Passenger traffic evolution

Passenger traffic (10^9 p.km)

Europe including Turkey
Russian Federation
Africa
America
Asia Oceania and Middle East
WORLD estimates
Freight traffic trends

Freight traffic (10^9 ton.km)

Europe including Turkey
Russian Federation
Africa
America
Asia Oceania and Middle East
WORLD estimates
Network length

- Europe including Turkey: 34%
- Russian Federation: 21%
- Africa: 8%
- America: 5%
- Asia Oceania and Middle East: 32%
High speed traffic

High Speed traffic 2014 passenger-kilometres in billions

- SNCF 50.7
- CR 2012 144.6
- DB AG 24.2
- JR 2013 89.2
- Other Europe* 6.5
- RZD 2.6
- SJ 3.2
- THSRC 2012 8.6
- KORAIL 2013 14.5
- FS SpA 2012 12.8
- Eurostar Intl 2011 4.4

Total: 346.0 billion passenger-kilometres
Further steps

> Rail = Multiple needs, multiple sources, multiple data repositories

> Confidentiality issues: concern or excuse?

➔ We need a

➔ Shared data systems

➔ Shared data, managed by data owners + public data

➔ Shared toolsets, based on open source solutions

  • BI-, benchmarking style analysis toolsets

  • Geographic toolsets (stemming from UIC ERIM, TENtec, …)
Thank you for your kind attention

Visit our website at http://www.uic.org