UIC railway statistics

- Latest updates
- Rail traffic trend monitoring
- Data collected for sustainable development projects
• **UIC members**

UIC counts ~200 members

140 railway companies (heavy rail: tram and metro excluded)

✓ Infrastructure managers
✓ Passenger operators
✓ Freight operators

(others >>> engineering groups, research institutes…)

• **Statistics platform** for data exchange between members

Participants are representative of railways

4 permanent working groups

Data collected from operators and infrastructure managers
Latest updates

- Core statistics
  - Freight and passenger traffic – Transport stock – Punctuality
  - Energy consumption – Accidents – High Speed
  - Financial results – Staff – Network

New data on engineering structures: bridges and tunnels on conventional and high speed lines

- 3 collections per year
  - Provisional data for 2022 KPIs – will be published in June
  - Consolidated 2022 data – will be published in November
  - Monthly traffic

New participants: Trenes de Chile, Egyptian National Railways, Camrail (Cameroun)
Rail traffic trend monitoring

- Passenger traffic 2019-2022

During the second half of 2022, passenger traffic for many companies in Europe is in line with or even higher than in 2019 (pre-covid period)
• Freight traffic 2019-2022

For companies in the EU-27 region
✓ rebound of freight traffic in 2021
✓ but a downward trend in 2022 especially during the second half of the year (contraction of about 5% in tonne-kilometres).
Data collected for sustainable development projects (1/3)

- **Traction Energy and Emissions**

Data collected from operators - **Electric** and **diesel tractions**


Energy consumption (tonnes of diesel, GWh of electricity)
CO2-eq emissions (well to wheel)
PM and NOx

- ✓ Passenger transport according to the type of train service:
  - Suburban and regional
  - Intercity
  - High Speed

- ✓ Freight transport

Performance indicators calculated by train.km, gross tonne.km, net tonne.km, passenger.km

http://www.ecopassenger.org/
https://www.ecotransit.org/en/
Data collected for sustainable development projects (2/3)

- Rail sustainability Index: data collected for 7 key SDGs

  Qualitative and quantitative data (operators and infrastructure managers)

  ✓ Non-discrimination framework/code, Women by level of responsibility, Women in Governance bodies

  ✓ Energy consumption, share of renewable energy, Targets

  ✓ Total number of employees by employment contract, Health and safety policies/system

  ✓ Electrified lines, Climate-related risks, Rail infrastructures and climate change

  ✓ Rail accidents

  ✓ Sustainable procurement clauses, Hazardous waste, Reused/recycled waste, Sustainability reporting, Environmental management system

  ✓ CO2-eq emissions direct and indirect, Green bond/debt ratio, Board-level oversight of climate-related issues, Emission targets, Collaborating with governments
Data collected for sustainable development projects (3/3)

- Significant accidents

Data collected from infrastructure managers

- Accidents - fatalities - causalities
  25 variables + additional questionnaires

- Level crossings (automatic, manual, protection, warning…)
  9 variables
2022 Global Rail Sustainability report
https://uic.org/sustainability

UIC Safety Report 2022

Data provided by railway companies
https://uic-stats.uic.org/select/
https://uic.org/support-activities/statistics/

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