

Sources for GTF 3.0 Indicators in the Data Module for Policy Decision-Making Tool for Sustainable Mobility 3.0

DATA SOURCE		
UNIVERSAL ACCESS		
Indicator	Source	Link
Rural Access Index – Geospatial Methodology (Percentage)	Research for Community Access Partnership (ReCAP)	https://rai.azavea.com/
Rapid Transit to Resident Ratio (km per millions)	Rapid Transit Database, Institute for Transportation and Development Policy (ITDP)	https://docs.google.com/spreadsheets/d/1uMuNG9rTGO52Vuug6skyqmkH9U5yv1iSJDYjH64MJM/edit#gid=1523036623
Workers in transport who are female (percentage)	World Bank Calculations based on International Labor Organization (ILO) data	https://www.ilo.org/ilostat/
Air Transport, registered carrier departures worldwide	International Civil Aviation Organization, Civil Aviation Statistics of the World and ICAO staff estimates.	https://data.worldbank.org/indicator/IS.AIR.DPRT
Air Transport, freight (million ton)	International Civil Aviation Organization, Civil Aviation Statistics of the World and ICAO staff estimates.	https://data.worldbank.org/indicator/IS.AIR.GOOD.MT.K1
Air transport, passengers carried (thousands)	International Civil Aviation Organization, Civil Aviation Statistics of the World and ICAO staff estimates.	https://data.worldbank.org/indicator/IS.AIR.PSGR
Airport Connectivity (Score)	World Economic Forum; Global Competitiveness Report (Perception Survey)	http://reports.weforum.org/global-competitiveness-report-2019/
Number of Port calls (All ships, annual)	United Nations Conference on Trade and Development (UNCTAD)	https://unctadstat.unctad.org/wds/TableViewer/tableView.aspx?ReportId=194889
Number of Registered Vehicles	World Health Organization, The Global Health Observatory	https://www.who.int/data/gho/indicator-metadata-registry/imr-details/194
Quality of air transport infrastructure [value: 1 = worst to 7 = best]	World Economic Forum; Global Competitiveness Report (Perception Survey)	https://tcdatadata360.worldbank.org/indicators/hf15b0fde?country=BRA&indicator=544&viz=line_chart&years=2007,2017
Quality of port infrastructure [value: 1 = worst to 7 = best]	World Economic Forum; Global Competitiveness Report (Perception Survey)	https://tcdatadata360.worldbank.org/indicators/h420825b3?country=BRA&indicator=541&viz=line_chart&years=2007,2017
Quality of railroad infrastructure [value: 1 = worst to 7 = best]	World Economic Forum; Global Competitiveness Report (Perception Survey)	https://tcdatadata360.worldbank.org/indicators/h403e9361?country=BRA&indicator=539&viz=line_chart&years=2009,2017
Quality of roads [value: 1 = worst to 7 = best]	World Economic Forum; Global Competitiveness Report (Perception Survey)	https://govdata360.worldbank.org/indicators/hb16043d6?country=BRA&indicator=41362&viz=line_chart&years=2017,2019
Rail lines (total route – km)	International Union of Railways (UIC)	https://data.worldbank.org/indicator/IS.RRS.TOTL.KM

Railroad Density (km of railroads per sq. km)	World Economic Forum; Global Competitiveness Report (Perception Survey)	http://reports.weforum.org/global-competitiveness-report-2019/
Railways, goods transported (million ton - km)	International Union of Railways (UIC)	https://data.worldbank.org/indicator/IS.RRS.GOOD.MT.K6
Railways, passengers carried (million passenger-km)	International Union of Railways (UIC)	https://data.worldbank.org/indicator/IS.RRS.PASG.KM
Road Connectivity Index (0-100)	World Economic Forum; Global Competitiveness Report (Perception Survey)	http://reports.weforum.org/global-competitiveness-report-2019/
Rural Access Index – Household Survey Methodology (Percentage)	The World Bank	https://datacatalog.worldbank.org/dataset/rural-access-index-rai
SAFETY		
Indicator	Source	Link
Mortality caused by road traffic injury (per 100,000 people)	World Health Organization, Global Health Observatory data repository	https://data.worldbank.org/indicator/S.H.STA.TRAF.P5
Attribution of road traffic deaths to alcohol (%)	World Health Organization, Global Health Observatory data repository	https://apps.who.int/gho/data/node.main.A1000?lang=en
Mortality caused by road traffic injury, female (per 100,000 female population)	World Health Organization, Global Health Observatory Data Repository	https://genderdata.worldbank.org/indicators/sh-sta-traf-p5/
Mortality caused by road traffic injury, male (per 100,000 male population)	World Health Organization, Global Health Observatory Data Repository	https://genderdata.worldbank.org/indicators/sh-sta-traf-p5/
Reported percentage of seriously injured patients transported by ambulance (%)	World Health Organization, Global Status Report on Road Safety	https://www.who.int/violence_injury_prevention/road_safety_status/2018/en/
Deaths by road user category - pedestrian [%]	World Health Organization, Global Status Report on Road Safety	https://apps.who.int/gho/data/node.main.A998
Deaths by road user category - cyclist [%]	World Health Organization, Global Status Report on Road Safety	https://apps.who.int/gho/data/node.main.A998
Deaths by road user category - 2 or 3-wheeler [%]	World Health Organization, Global Status Report on Road Safety	https://apps.who.int/gho/data/node.main.A998
Deaths by road user category - 4-wheeler [%]	World Health Organization, Global Status Report on Road Safety	https://apps.who.int/gho/data/node.main.A998
Deaths by road user category - others [%]	World Health Organization, Global Status Report on Road Safety	https://apps.who.int/gho/data/node.main.A998
EFFICIENCY		
Indicator	Source	Link
Logistics performance index - overall [value: 1 = low to 5 = high]	The World Bank	https://data.worldbank.org/indicator/L.P.LPI.OVRL.XQ
Average age of vessels – All ships	United Nations Conference on Trade and Development (UNCTAD)	https://unctadstat.unctad.org/wds/TableViewer/tableView.aspx?ReportId=170027
Average cargo carrying capacity (dwt) per vessel – All ships	United Nations Conference on Trade and Development (UNCTAD)	https://unctadstat.unctad.org/wds/TableViewer/tableView.aspx?ReportId=170027
Average container carrying capacity (TEU) per container ship – All ships	United Nations Conference on Trade and Development (UNCTAD)	https://unctadstat.unctad.org/wds/TableViewer/tableView.aspx?ReportId=170027

Average size of vessels – All ships	United Nations Conference on Trade and Development (UNCTAD)	https://unctadstat.unctad.org/wds/TableViewer/tableView.aspx?ReportId=170027
Container port throughput (TEU: 20-foot equivalent units, thousands)	United Nations Conference on Trade and Development (UNCTAD)	https://unctadstat.unctad.org/wds/TableViewer/tableView.aspx?ReportId=13321
Control of Corruption (Score 0 – 100)	World Governance Indicators	https://tcdatadata360.worldbank.org/indicators/hf0ef1ed3?country=BRA&indicator=369&viz=line_chart&years=1996,2020
Digital Adoption Index (0-100)	The World Bank	https://www.worldbank.org/en/publication/wdr2016/Digital-Adoption-Index
Efficiency of air transport services [value: 1 = worst to 5 = best]	World Economic Forum; Global Competitiveness Report (Perception Survey)	http://reports.weforum.org/global-competitiveness-report-2019/
Efficiency of seaport services [value: 1 = worst to 5 = best]	World Economic Forum; Global Competitiveness Report (Perception Survey)	http://reports.weforum.org/global-competitiveness-report-2019/
Efficiency of train services [value: 1 = worst to 5 = best]	World Economic Forum; Global Competitiveness Report (Perception Survey)	http://reports.weforum.org/global-competitiveness-report-2019/
Energy consumption of transport relative to GDP (PPP) (GOE per dollar)	World Bank calculation based on International Energy Agency, Energy Balance	https://webstore.iea.org/world-energy-balances-2018
Exports by main service – Transport (Annual estimates based on quarterly data – US Dollars at current prices in millions)	United Nations Conference on Trade and Development (UNCTAD)	https://unctadstat.unctad.org/wds/TableViewer/tableView.aspx?ReportId=103970
Good governance index - Undue influence [value: 1 = worst to 7 = best]	World Economic Forum; Global Competitiveness Report (Perception Survey)	http://reports.weforum.org/global-competitiveness-report-2018/
Imports by main service – Transport (Annual estimates based on quarterly data – US Dollars at current prices in millions)	United Nations Conference on Trade and Development (UNCTAD)	https://unctadstat.unctad.org/wds/TableViewer/tableView.aspx?ReportId=103970
Liner Shipping Connectivity Index, quarterly	United Nations Conference on Trade and Development (UNCTAD)	https://unctadstat.unctad.org/wds/TableViewer/tableView.aspx?ReportId=92
Logistics performance index - customs [value: 1 = low to 5 = high]	The World Bank	https://data.worldbank.org/indicator/LP.LPI.CUST.XQ
Median time in port (days) – All ships	United Nations Conference on Trade and Development (UNCTAD)	https://unctadstat.unctad.org/wds/TableViewer/tableView.aspx?ReportId=170027
PPP investment in Transport (current million US\$)	The World Bank	https://data.worldbank.org/indicator/IE.PPN.TRAN.CD
GREEN MOBILITY		
Indicator	Source	Link
PM2.5 air pollution, mean annual exposure (micrograms per cubic meter)	After 2015: UNHABITAT; Prior to 2015: Brauer, M. et al. 2017, for the Global Burden of Disease Study.	2015 onward: https://data.unhabitat.org/datasets/mean-population-exposure-to-pm2-5-by-country-2015-2019/explore ; Prior to

		2015: https://data.worldbank.org/indicator/EN.ATM.PM25.MC.M3
Transport-related GHG emissions per capita (tons of CO2 per capita)	Climate Watch Data (CAIT)	https://www.climatewatchdata.org/
Access to Electricity (% of population)	The World Bank	https://data.worldbank.org/indicator/EG.ELC.ACCTS.ZS?view=chart
CO ₂ emission from road transport per capita (kgCO ₂ /capita)	International Energy Agency, CO ₂ Emissions from Fuel Combustion	https://www.iea.org/classicstats/relateddatabases/co2emissionsfromfuelcombustion/
CO ₂ emission from transport per capita (kgCO ₂ /capita)	International Energy Agency, CO ₂ Emissions from Fuel Combustion	https://www.iea.org/classicstats/relateddatabases/co2emissionsfromfuelcombustion/
Electricity production from oil, gas, and coal sources (% of total)	The World Bank	https://data.worldbank.org/indicator/EG.ELC.FOSL.ZS?view=chart
Energy Transition Index (%)	World Economic Forum; Global Competitiveness Report (Perception Survey)	http://reports.weforum.org/global-competitiveness-report-2018/
Fossil Fuel energy consumption (% of total)	International Energy Agency	https://data.worldbank.org/indicator/EG.USE.COMM.FO.ZS
Mortality rate attributed to household and ambient air pollution, age-standardized, female (per 100,000 population)	The World Bank	https://genderdata.worldbank.org/indicators/sh-sta-airp-p5/?view=bar
Mortality rate attributed to household and ambient air pollution, age-standardized, male (per 100,000 population)	The World Bank	https://genderdata.worldbank.org/indicators/sh-sta-airp-p5/?view=bar
Mortality rate attributed to household and ambient air pollution, age-standardized, total (per 100,000 population)	The World Bank	https://genderdata.worldbank.org/indicators/sh-sta-airp-p5/?view=bar
PM2.5 air pollution, population exposed to levels exceeding WHO guideline value (% of total)	Brauer, M. et al. 2017, for the Global Burden of Disease Study 2017.	https://data.worldbank.org/indicator/EN.ATM.PM25.MC.T2.ZS
Renewable energy consumption (% of total final energy consumption)	The World Bank	https://data.worldbank.org/indicator/EG.FEC.RNEW.ZS
Total transport-related GHG emissions (million tonnes of CO ₂)	Climate Watch Data (CAIT)	https://www.climatewatchdata.org/
ADDITIONAL INDICATORS		
Indicator	Source	Link
GDP per capita, PPP (current international \$)	The World Bank, International Comparison Program database.	https://data.worldbank.org/indicator/NY.GDP.PCAP.PP.CD
Population, thousands	United Nations Population Division. World Population Prospects:	https://databank.worldbank.org/home
<i>Please note that all IEA data is subject to the following Terms and Conditions found on the IEA's website.</i>		
<i>Please note that ITDP data is subject to the following Terms and Conditions found on the RTR dataset.</i>		