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For Building an Interdependent Islamic World

COMCEC TRANSPORT and COMMUNICATIONS OUTLOOK

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COMCEC
Cooperation for Development

Transport and Communications Working Group 23rd Meeting

September 24th, 2024
Ankara, Türkiye

OUTLINE

- **Importance of Transport and Communications for COMCEC**

- **Transport Infrastructure, Logistics, and Trade**

- **Transport by Modes**

- **Environmental Effects of Transport Sector**

Importance of Transport and Communications

- **Enhancing mobility** is one of the three principles of COMCEC Strategy (*the other two are strengthening solidarity and improving governance*)

- Transportation is explicitly declared by COMCEC as one of the three priority sectors together with agriculture and tourism

- One of the six cooperation areas specified by the COMCEC Strategy

- Closely related with the two other cooperation areas: trade and tourism

  Improving the functioning, effectiveness and sustainability of transport and communications in the Member States

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# Transport Infrastructure, Logistics, and Trade

Logistics Performance Index 2023 (LPI)

Regions	Overall LPI Score	Customs	Infrastructure	International Shipments	Logistics Quality and Competence	Timeliness	Tracking and Tracing
EU Average	3.62	3.41	3.60	3.47	3.71	3.81	3.69
United States	3.80	3.70	3.90	3.40	3.90	3.80	4.20
OIC Average	2.50	2.34	2.35	2.52	2.50	2.79	2.46
OIC-MENA	2.84	2.60	2.81	2.82	2.75	3.12	2.90
OIC-Asia	2.60	2.45	2.49	2.57	2.62	2.91	2.51
OIC-Sub Saharan Africa	2.41	2.22	2.21	2.48	2.38	2.68	2.42

Source: World Bank

LPI Score and Trade

Merchandise exports and LPI scores in OIC countries (2023)

Source: World Bank World Development Indicators

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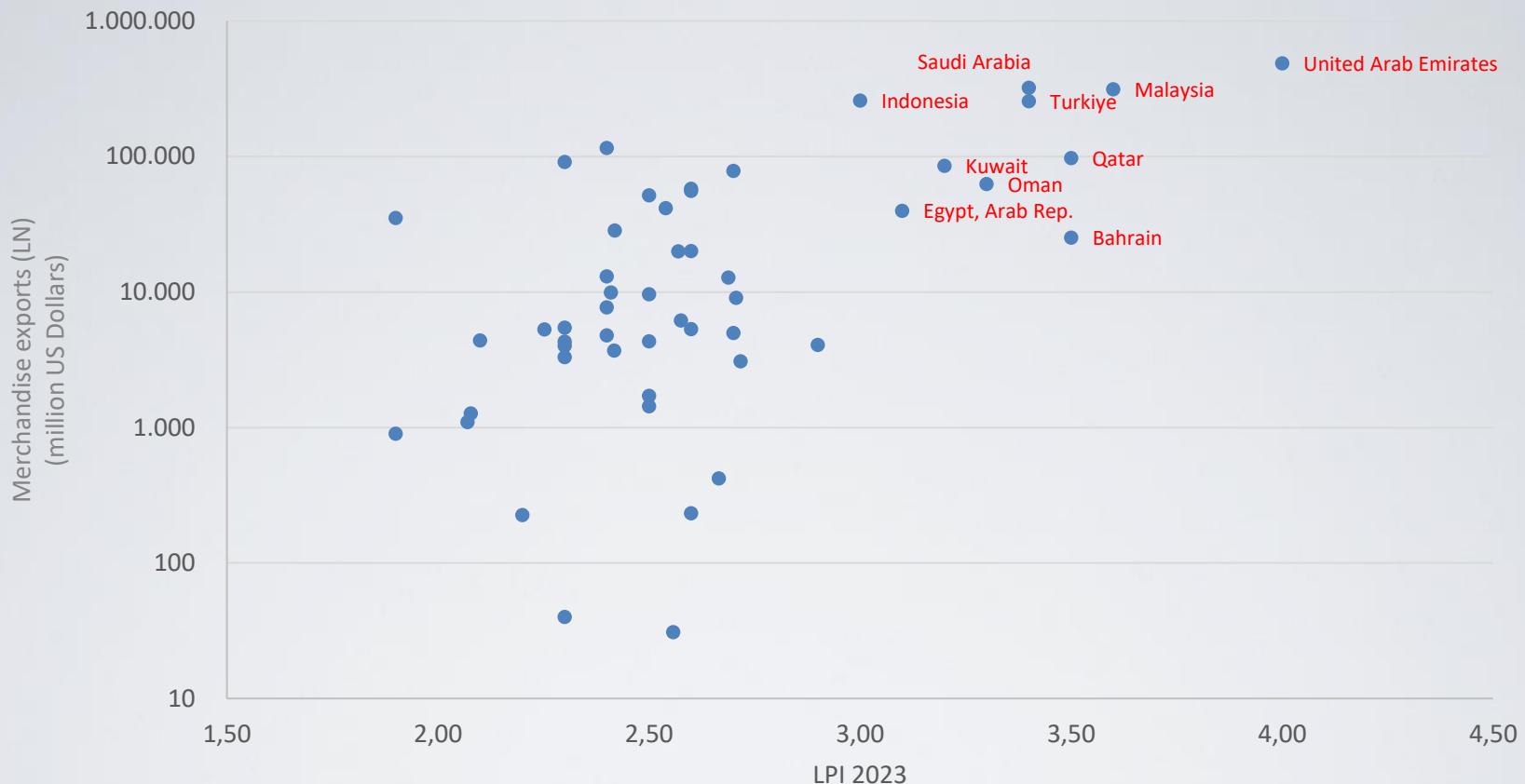
The Liner Shipping Connectivity Index

**Average liner shipping connectivity scores by OIC regions (2006-2021)**
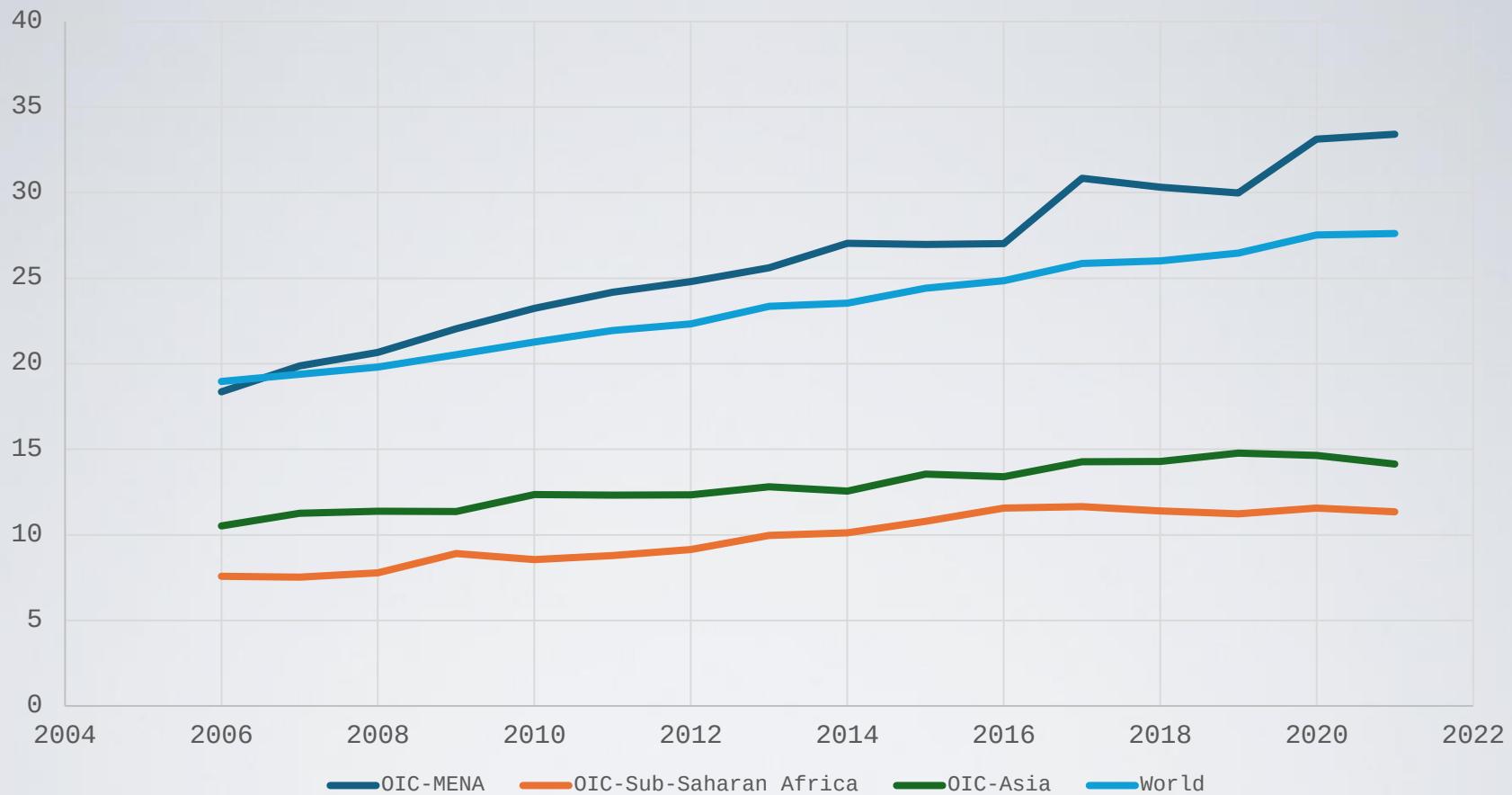

Source: UNCTAD Statistical Database, World Bank

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Transport by Modes

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Road Transport

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Length of Road Network (km) / km² Area of Country

5.2

Source: cia.gov, World Bank 2024

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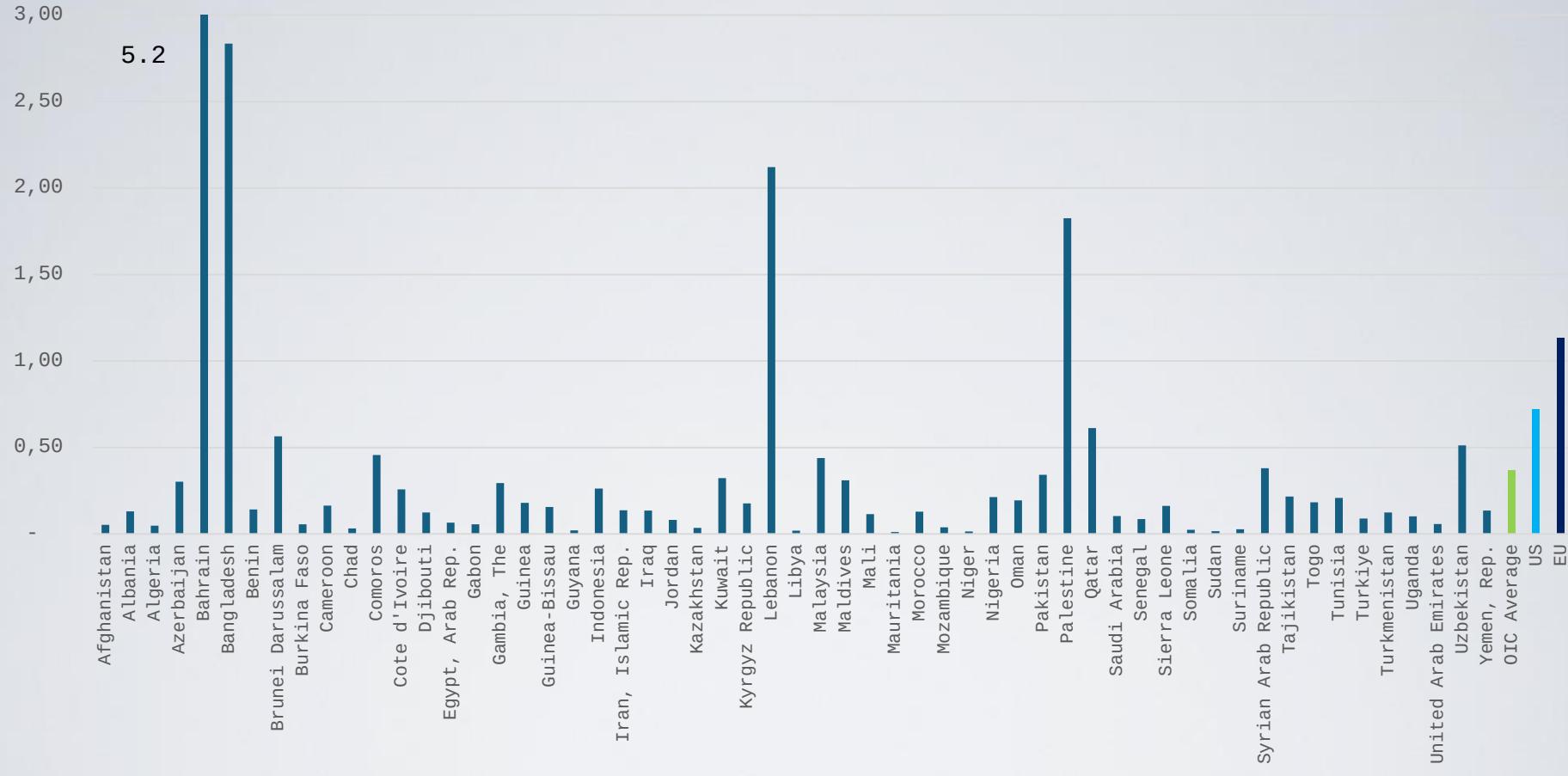
Length of Road Network (km) / USD 10 million GDP

Source: cia.gov, World Bank 2024

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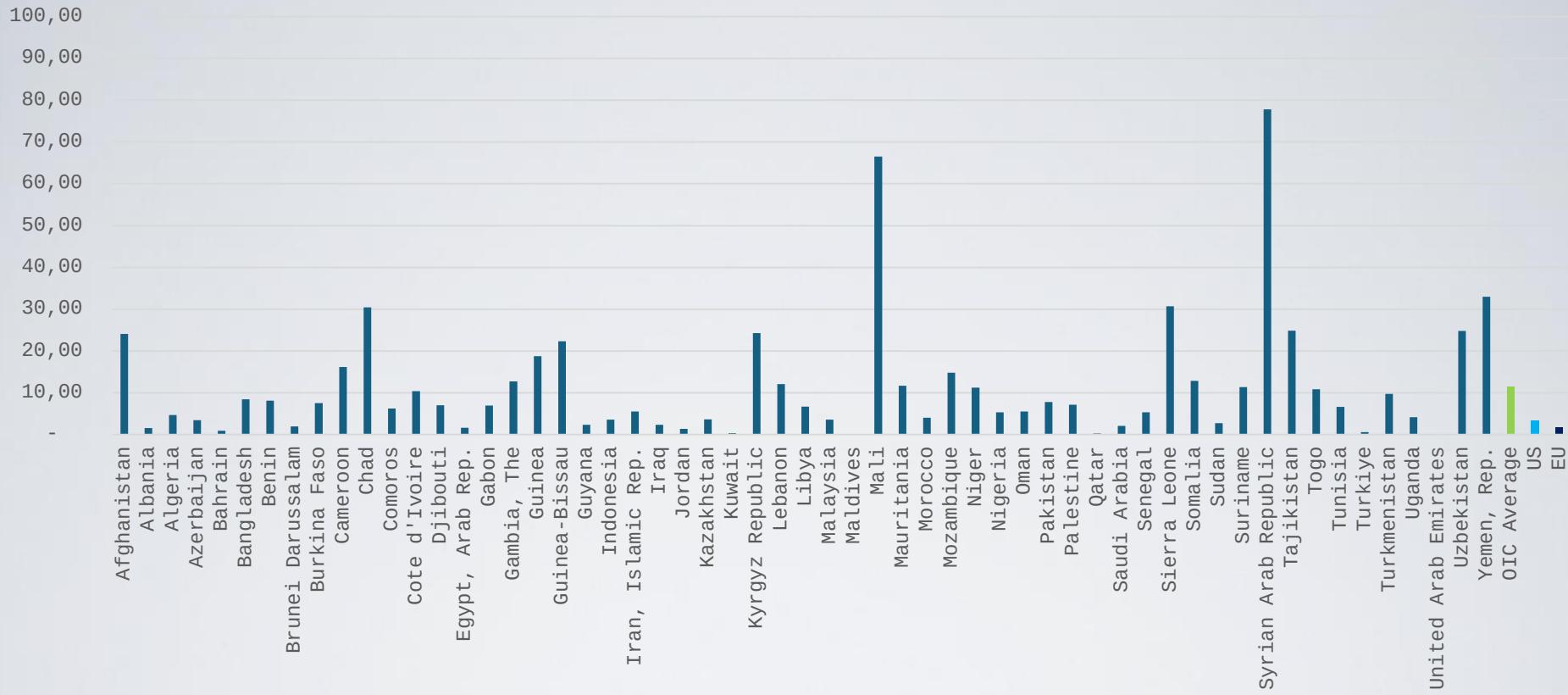
Length of Road Network (km) / 1,000 Population

Source: cia.gov, World Bank 2024

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Rail Transport

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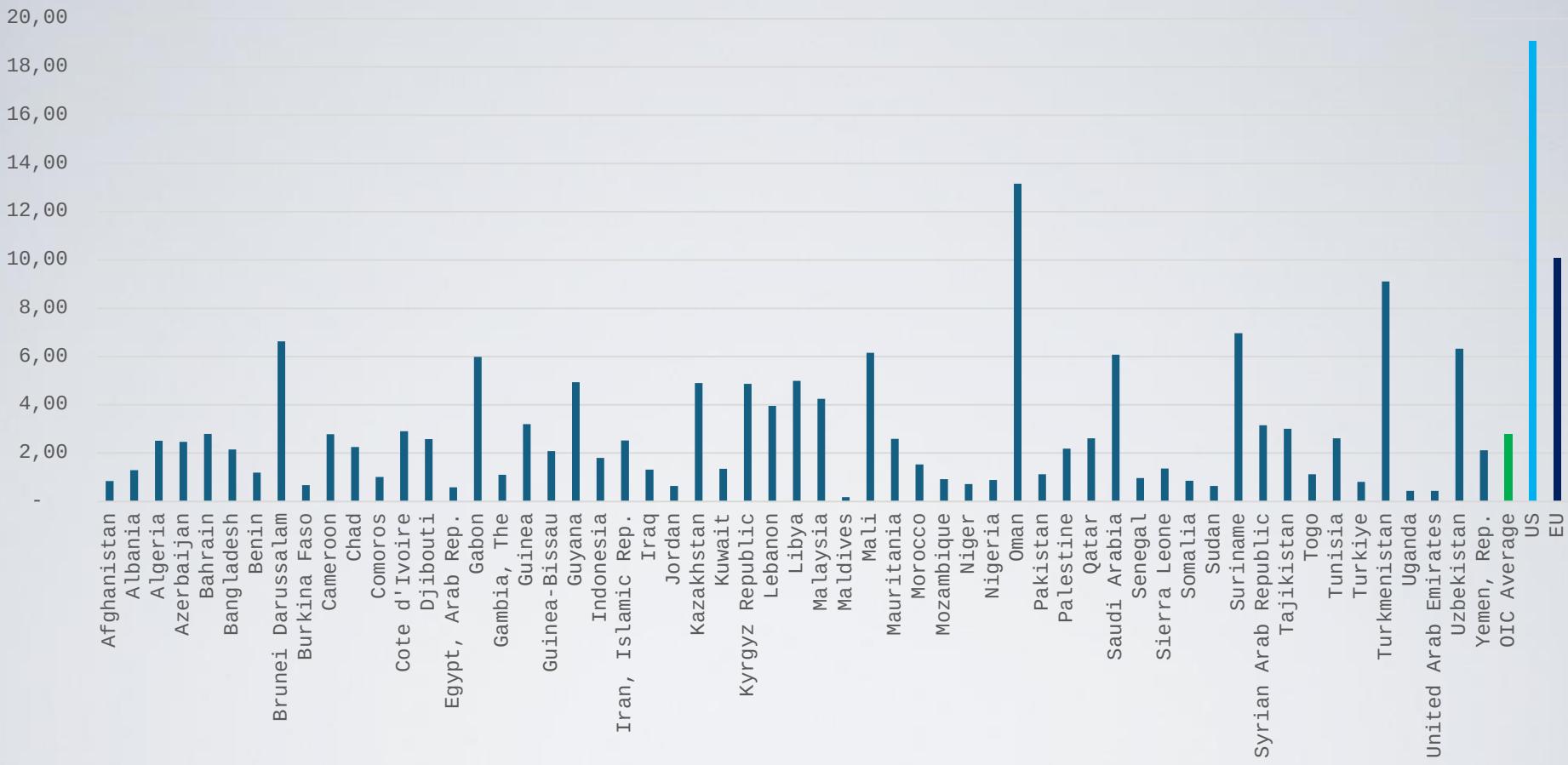
Rail lines (total route-km)
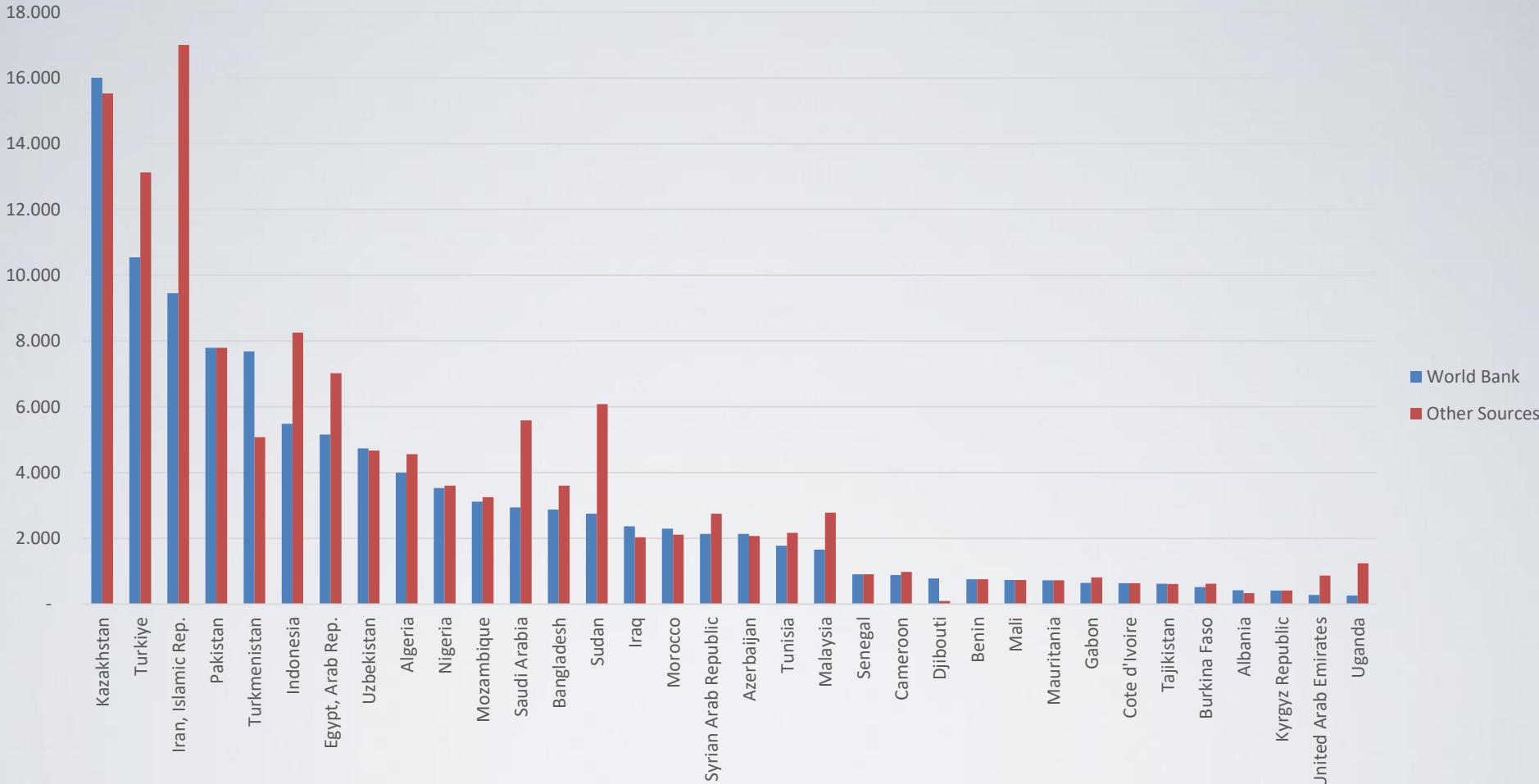
Source: World Bank World Development
Indicators, other related sources

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Rail network density (km/100,000 km2 land area)

Source: World Bank World Development Indicators

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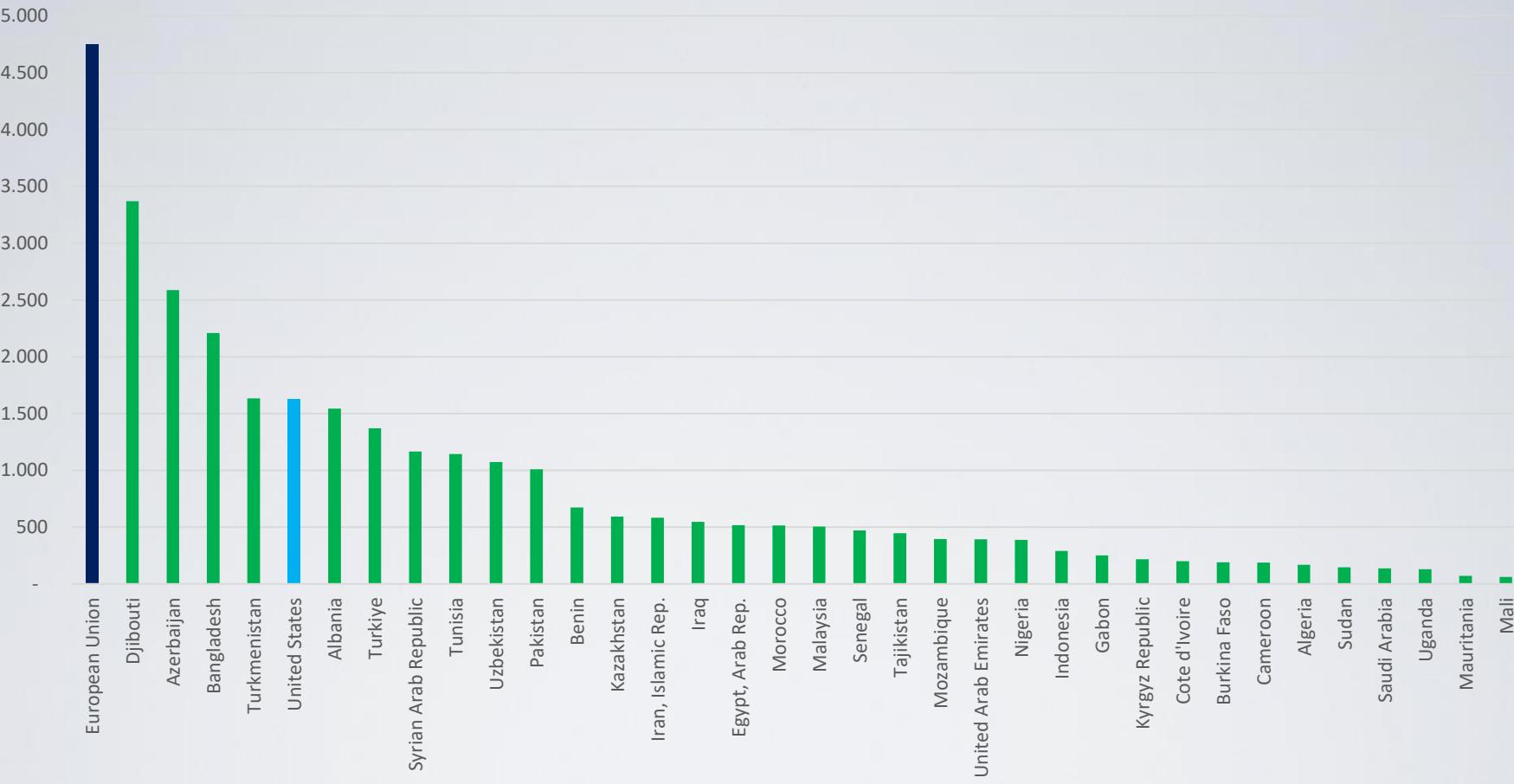
Rail network density (km/million population)

Source: World Bank World Development Indicators

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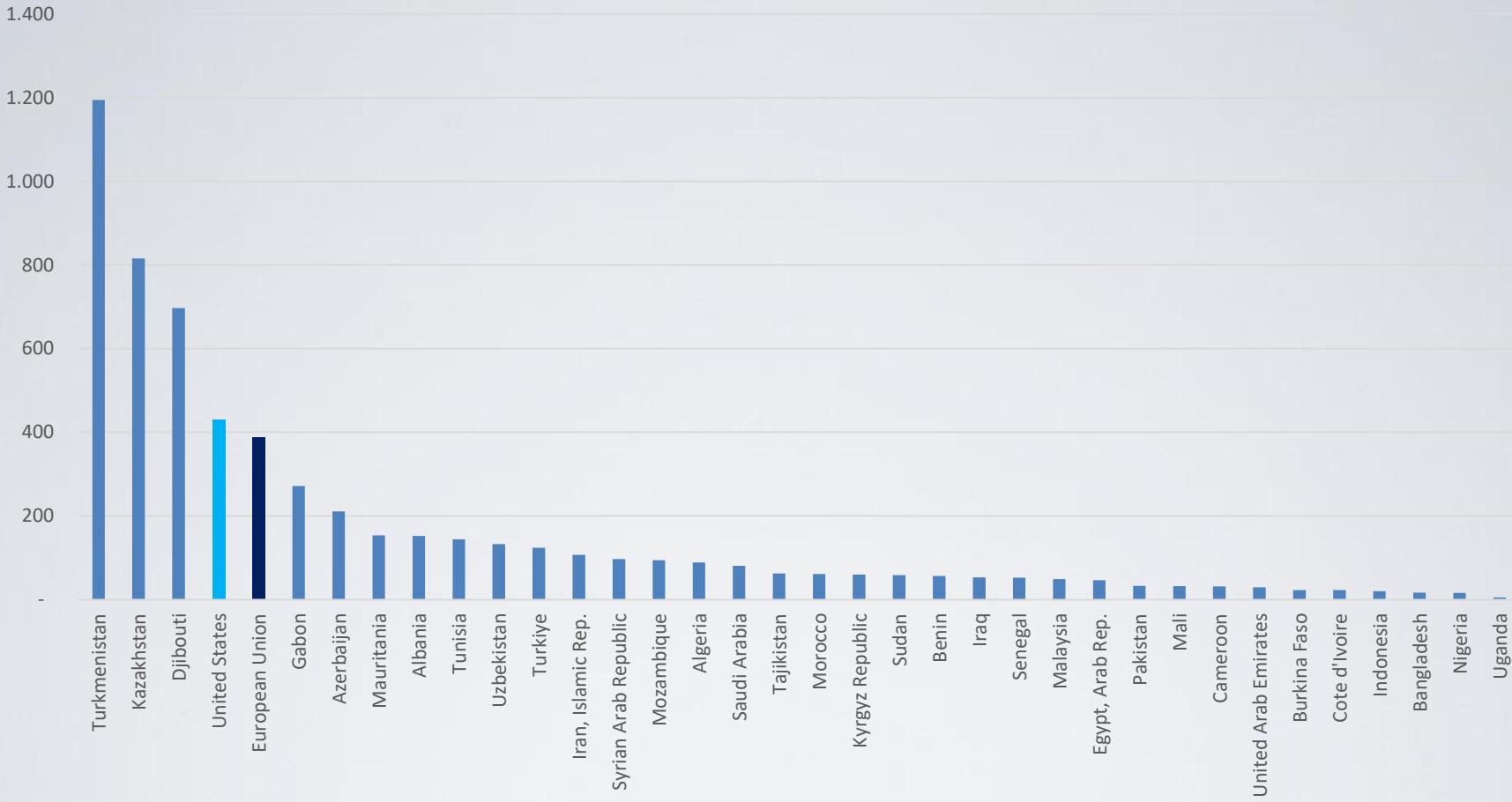
Rail Passenger Traffic

Rail passengers carried by OIC regions (million passenger-km) (2021)

Source: World Development Indicators

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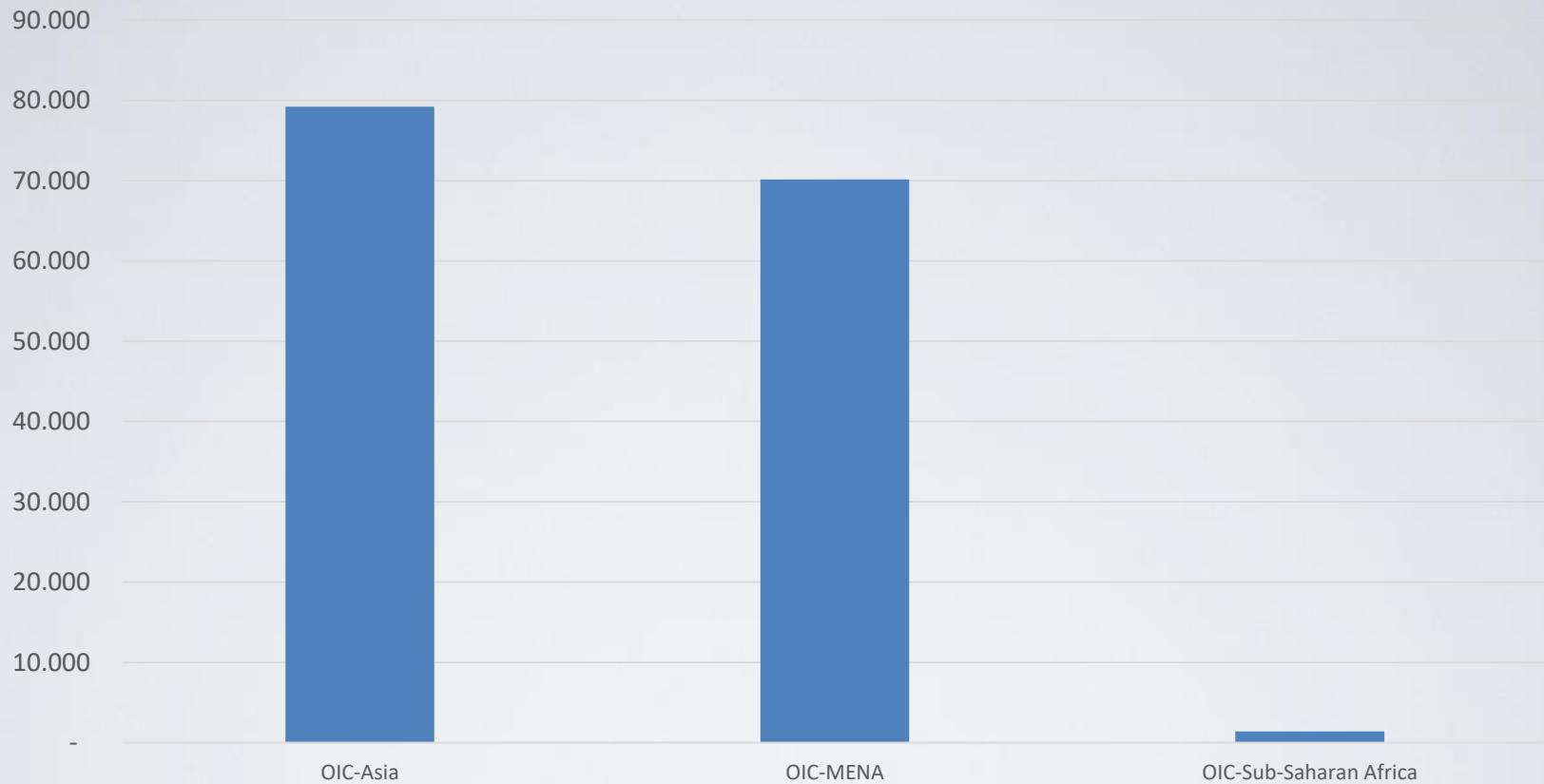
Rail Freight Traffic

Rail freight carried by OIC regions (million ton-km) (2021)

Rail Freight Traffic

Source: World Development Indicators

Maritime Transport

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Change in Total Fleet

Change in total fleet by flag of registration (in 1000 dwt) (1980-2024)

Source: UNCTAD Statistical Database

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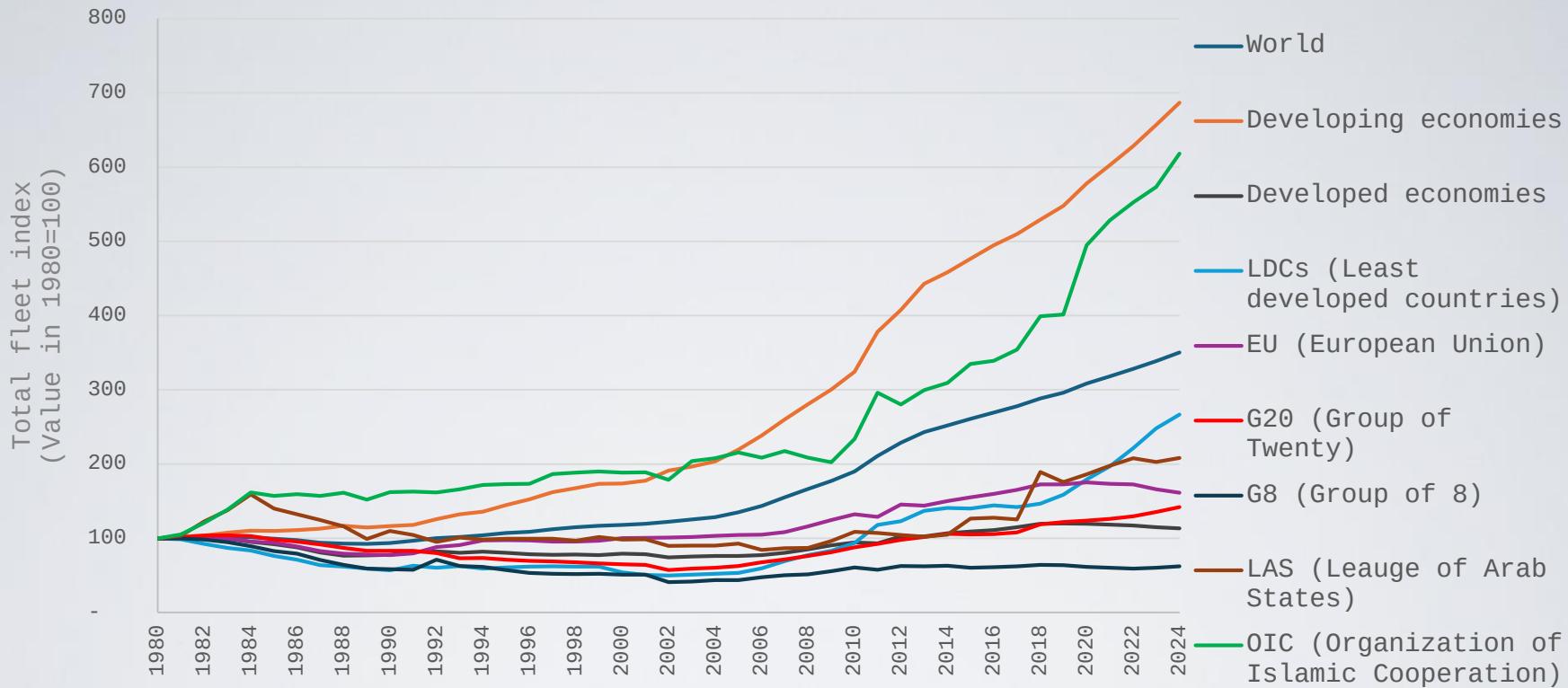
Container Port Traffic

Container port traffic in the OIC regions (TEU: 20 foot equivalent units) (2022)

Container port traffic (TEU: 20 foot equivalent units)

Source: World Development Indicators

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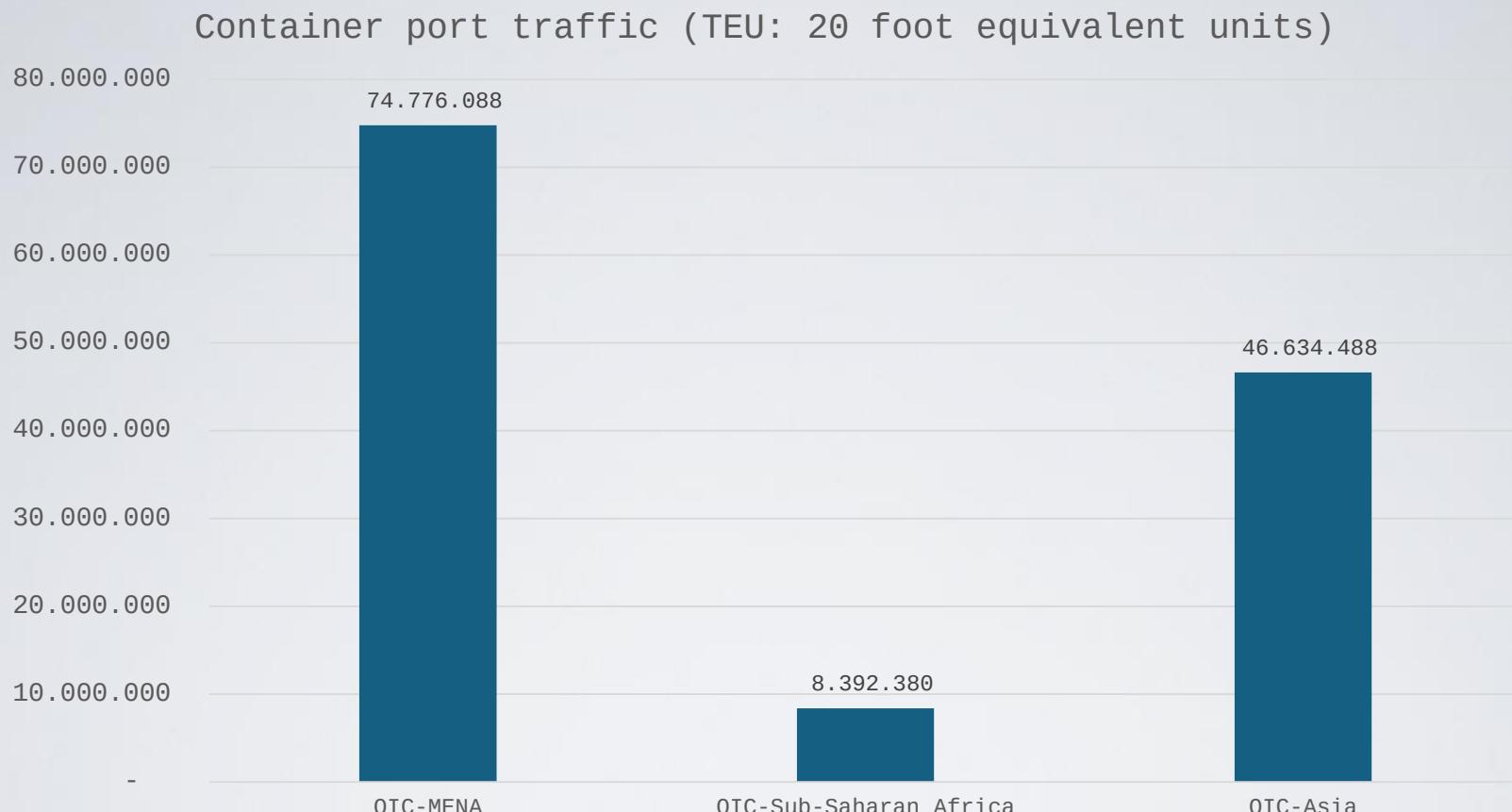
Container Port Traffic

Top 10 OIC countries in terms of container-port throughput (TEU) (2022)

Country	TEU
Malaysia	27,293,935.00
United Arab Emirates	20,300,000.00
Indonesia	12,380,584.00
Turkiye	12,366,172.00
Saudi Arabia	10,459,765.00
Morocco	8,835,181.00
Egypt, Arab Rep.	7,765,482.00
Oman	5,228,456.00
Pakistan	3,383,580.00
Bangladesh	3,200,236.00

Source: World Development Indicators

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Container trade penetration in the OIC countries (2022)

Rank	Country	TEU / 1000 capita	Rank	Country	TEU / 1000 capita
1	United Arab Emirates	2,150	23	Senegal	43
2	Oman	1,143	24	Libya	40
3	Malaysia	804	25	Benin	38
4	Qatar	573	26	Tunisia	38
5	Djibouti	567	27	Cote d'Ivoire	37
6	Saudi Arabia	287	28	Algeria	34
7	Bahrain	275	29	Gambia, The	26
8	Brunei Darussalam	236	30	Iraq	21
9	Morocco	236	31	Bangladesh	19
10	Togo	221	32	Guinea	18
11	Maldives	206	33	Mauritania	18
12	Kuwait	202	34	Iran, Islamic Rep.	18
13	Suriname	168	35	Pakistan	14
14	Turkiye	146	36	Guinea-Bissau	14
15	Lebanon	123	37	Cameroon	13
16	Gabon	75	38	Mozambique	13
17	Guyana	72	39	Yemen, Rep.	12
18	Egypt, Arab Rep.	70	40	Syrian Arab Republic	11
19	Jordan	68	41	Sierra Leone	9
20	Comoros	65	42	Nigeria	7
21	Albania	52	43	Sudan	7
22	Indonesia	45	44	Somalia	5

Source: UNCTAD and World Bank

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Air Transport

Air Passenger Traffic

Total air passengers carried in the OIC regions (1993-2021)
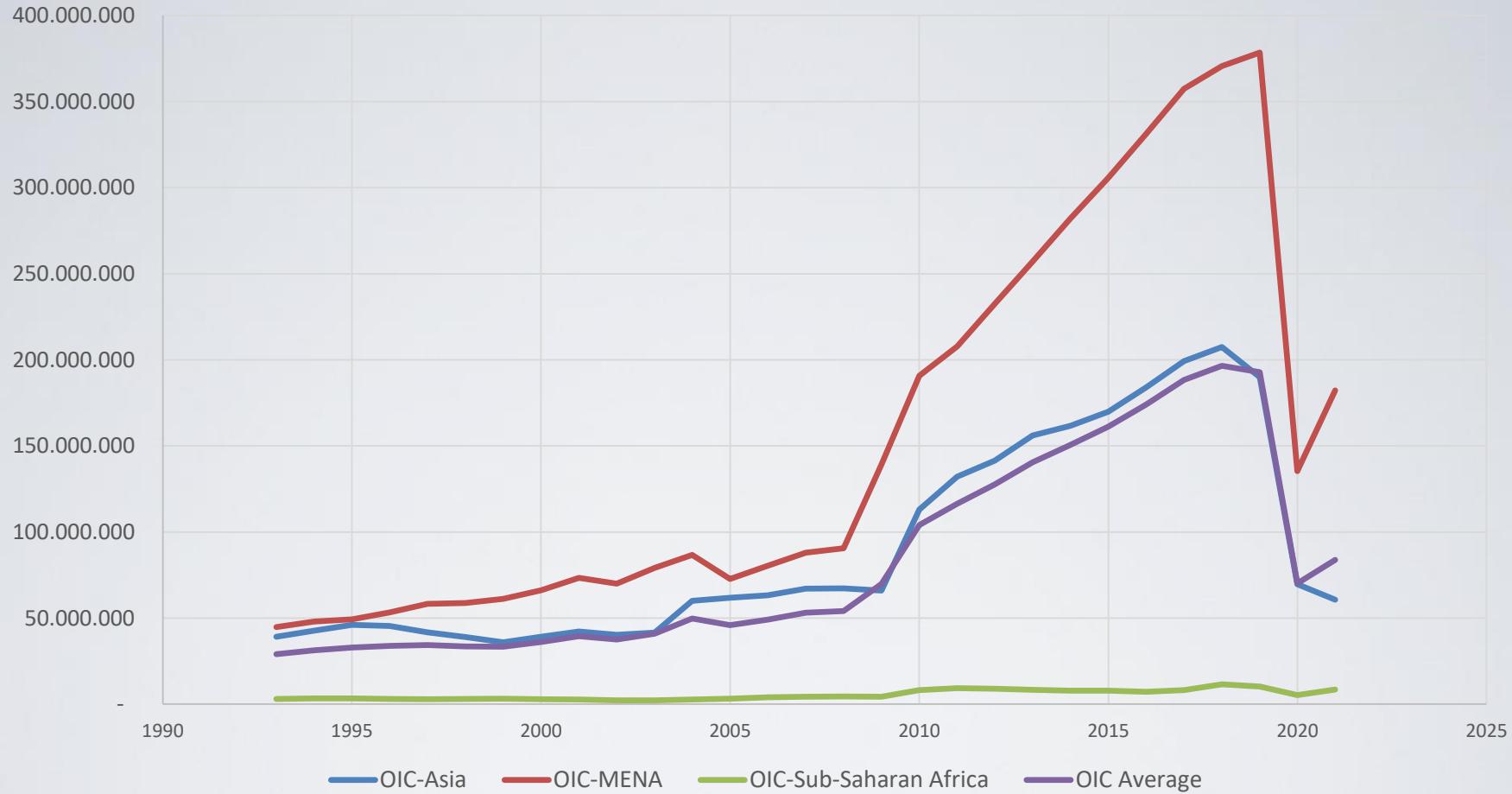
Legend: OIC-Asia, OIC-MENA, OIC-Sub-Saharan Africa, OIC Average

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Air Passenger Traffic

Total air passengers carried (2021)

Source: World Development Indicators

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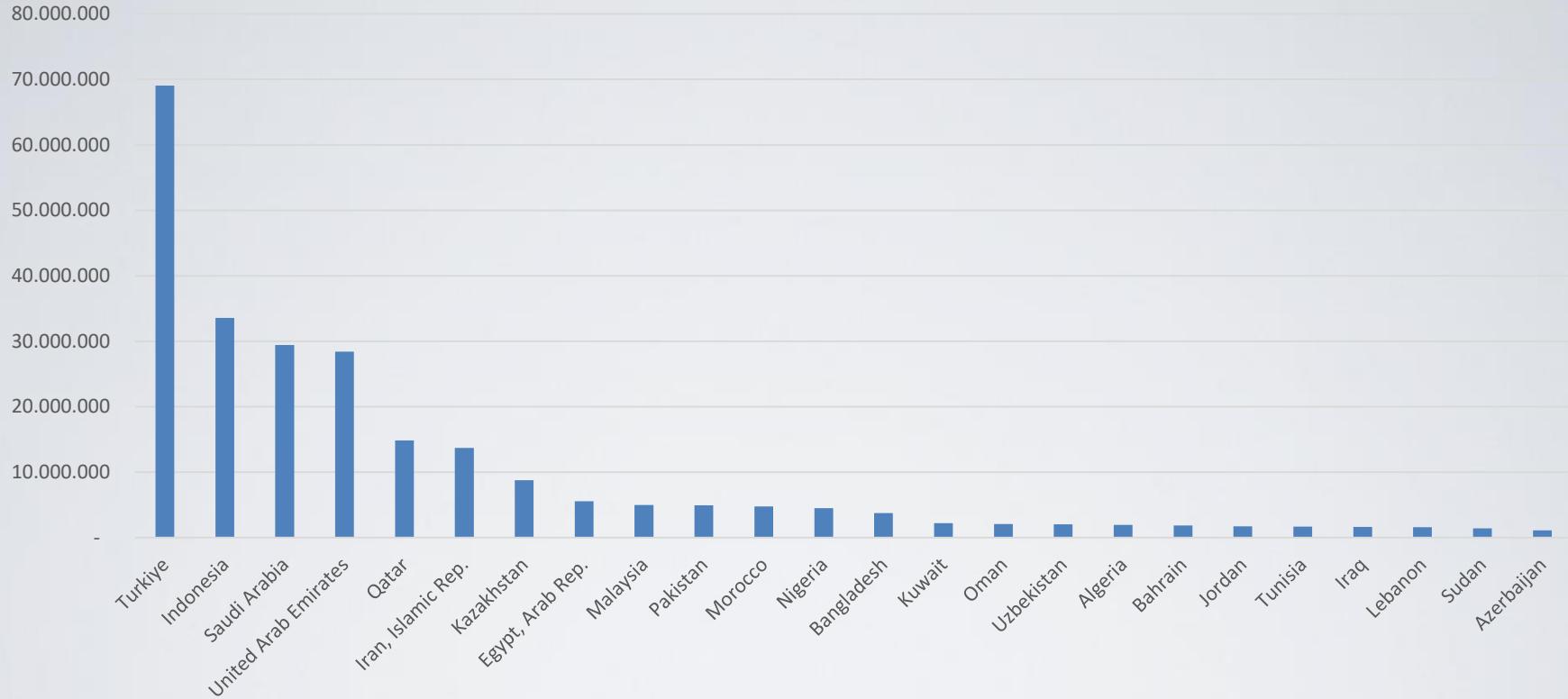
Air Passenger Traffic After Pandemic

Total air passengers carried (2009-2023)

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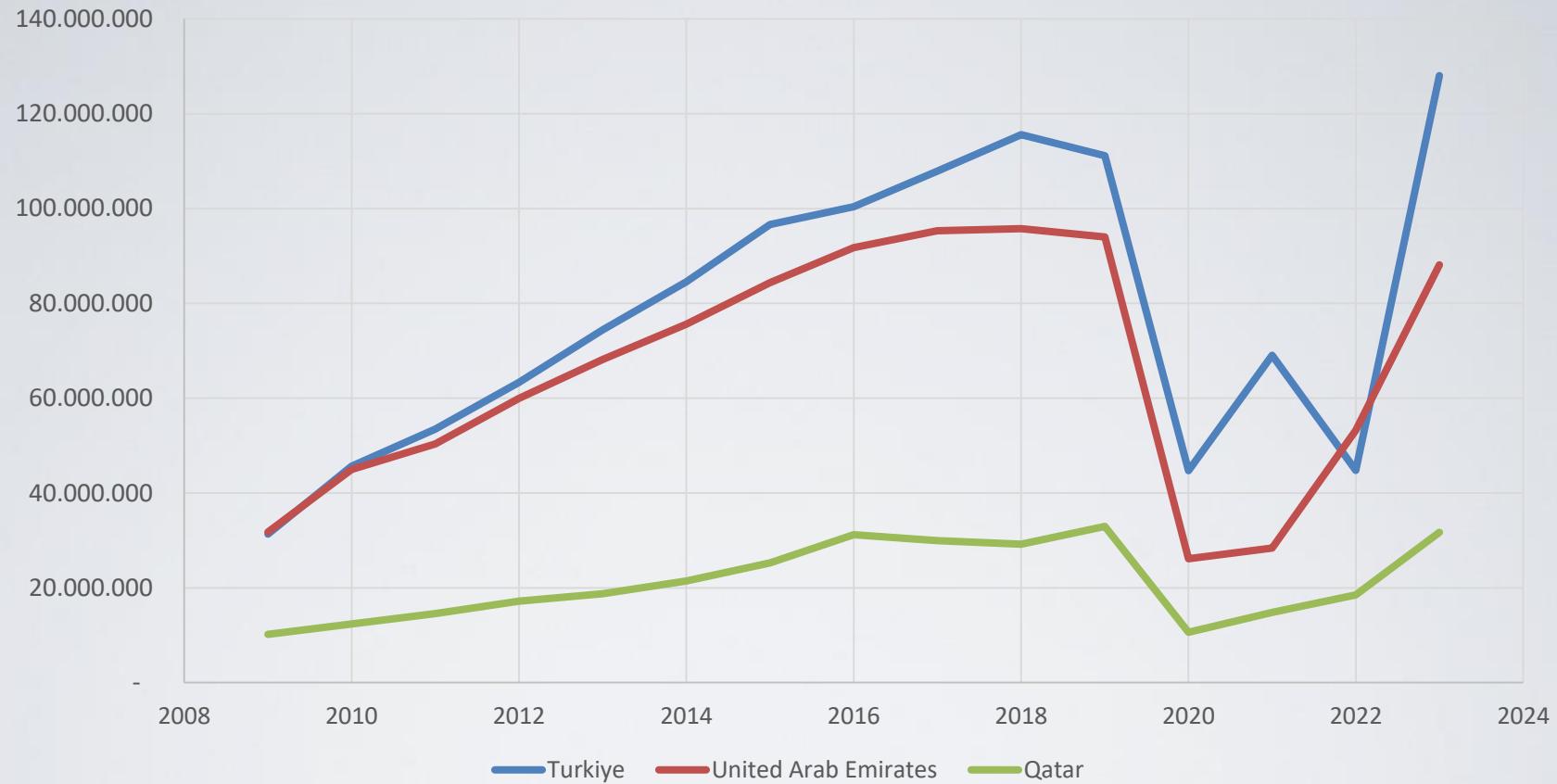
Per capita air passengers at the OIC Countries (2021)

MENA		Sub-Saharan Africa		Asia	
Qatar	5.504	Togo	0.076	Maldives	0.531
United Arab Emirates	3.011	Mauritania	0.044	Kazakhstan	0.447
Bahrain	1.250	Sudan	0.030	Malaysia	0.146
Turkiye	0.813	Senegal	0.021	Indonesia	0.122
Saudi Arabia	0.808	Nigeria	0.021	Azerbaijan	0.109
Kuwait	0.511	Cote d'Ivoire	0.020	Turkmenistan	0.101
Oman	0.454	Mozambique	0.012	Brunei Darussalam	0.062
Lebanon	0.292	Cameroon	0.006	Uzbekistan	0.056
Iran, Islamic Rep.	0.155	Burkina Faso	0.005	Suriname	0.033
Jordan	0.150	Niger	0.001	Kyrgyz Republic	0.025
Libya	0.142	Uganda	0.000	Bangladesh	0.022
Tunisia	0.136			Pakistan	0.021
Morocco	0.127			Tajikistan	0.013
Albania	0.070			Guyana	0.009
Egypt, Arab Rep.	0.050			Afghanistan	0.007
Algeria	0.043				
Iraq	0.036				
Syrian Arab Republic	0.030				
Yemen, Rep.	0.002			**Source: World Development Indicators**	

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Air Freight Traffic

Total air freight carried in the OIC regions (million ton-km) (1993-2021)
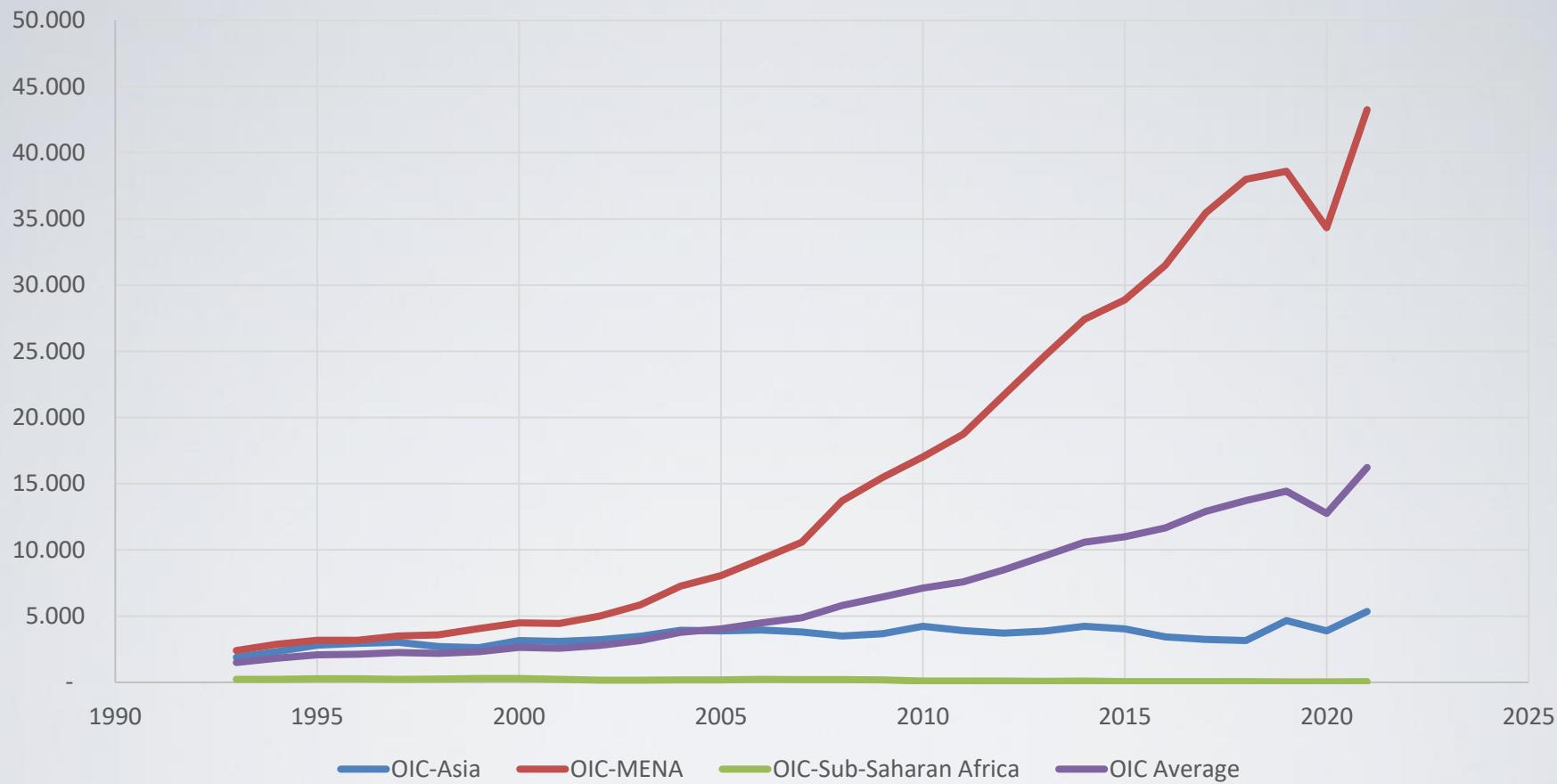

Source: World Development Indicators

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Environmental Effects of Transport Sector

Source: ourworldindata.org

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GHG Emissions by Sector and Mode
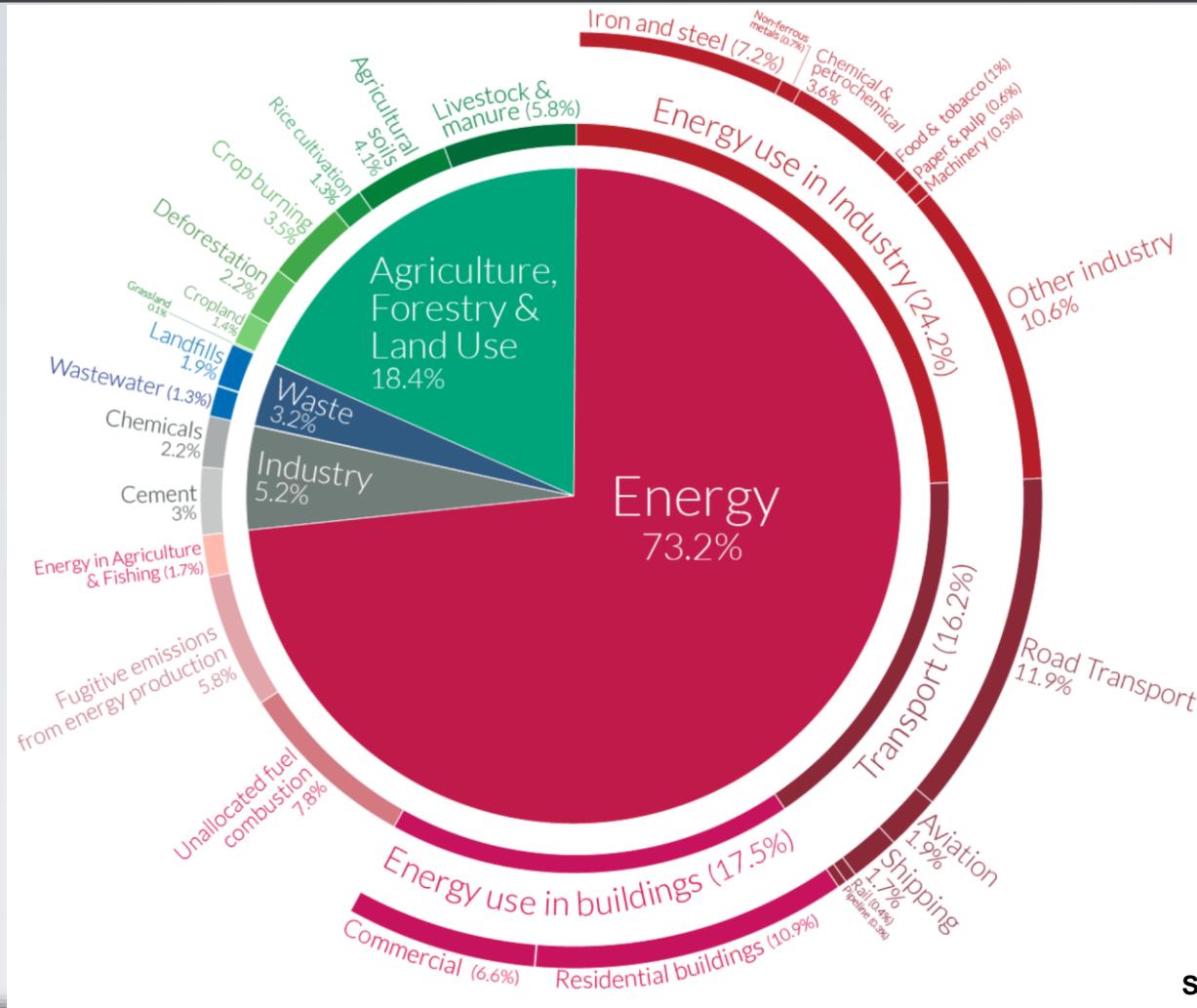
Source: ourworldindata.org

GHG Emissions by Sector and Mode

Global CO₂ emissions from transport
This is based on global transport emissions in 2018, which totalled 8 billion tonnes CO₂. Transport accounts for 24% of CO₂ emissions from energy.

74.5% of transport emissions come from road vehicles

Road (passenger) (includes cars, motorcycles, buses, and taxis) 45.1%
Road (freight) (includes trucks and lorries) 29.4%
Aviation (81% passenger; 19% from freight) 11.6%
Shipping 10.6%
Rail 1%
Other (mainly transport of oil, gas, water, steam and other materials via pipelines) 2.2%

Of passenger emissions: 60% from international; 40% from domestic flights

OurWorldinData.org – Research and data to make progress against the world's largest problems.
Data Source: Our World in Data based on International Energy Agency (IEA) and the International Council on Clean Transportation (ICCT).
Licensed under CC-BY by the author Hannah Ritchie.

Source: ourworldindata.org

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GHG Emissions by Sector and Mode

Source: ourworldindata.org

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Transport CO2 emissions and GDP per capita (PPP) in OIC Countries (2020)
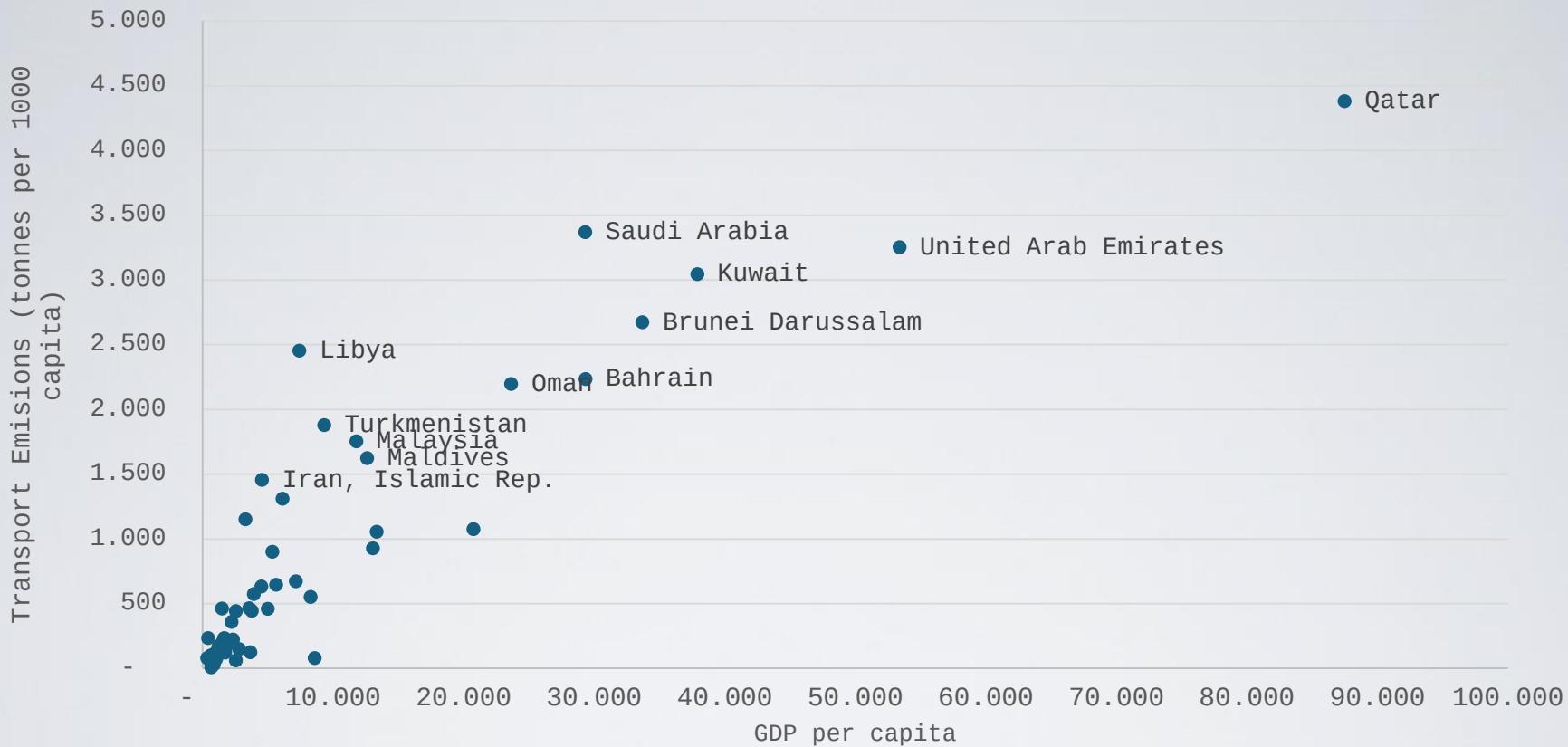
Source: ourworldindata.org

Options to mitigate transportation-related GHG emissions

- **Enhancing fuel efficiency** *(increasing engine efficiency, employing lighter and safer materials)*

- **Using alternative fuels** *(biofuels, natural gas, and electricity)*

- **Adopting environmental pricing** *(polluter pays principle, environmental pricing schemes: increasing the gasoline taxes, congestion pricing, etc.)*

- **Shifting from private car use to environmentally-friendly transport modes** *(non-motorized travel, Public transit through buses, light rail system, and metro)*

- **Adopting traffic restrictions** *(restricitons based on number plates, high occupancy vehicle lanes, congestion pricing schemes, and new plate quotas)*