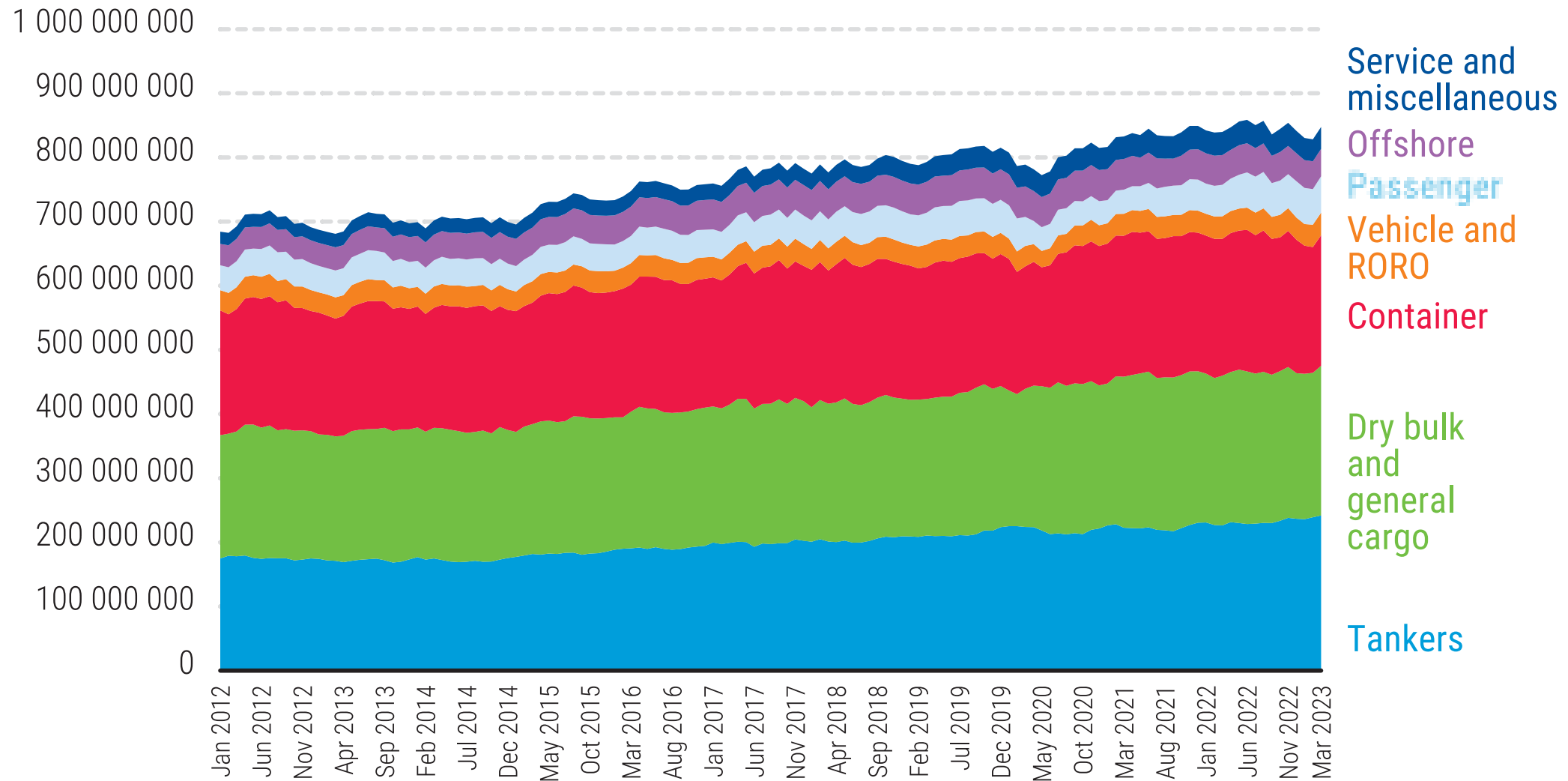


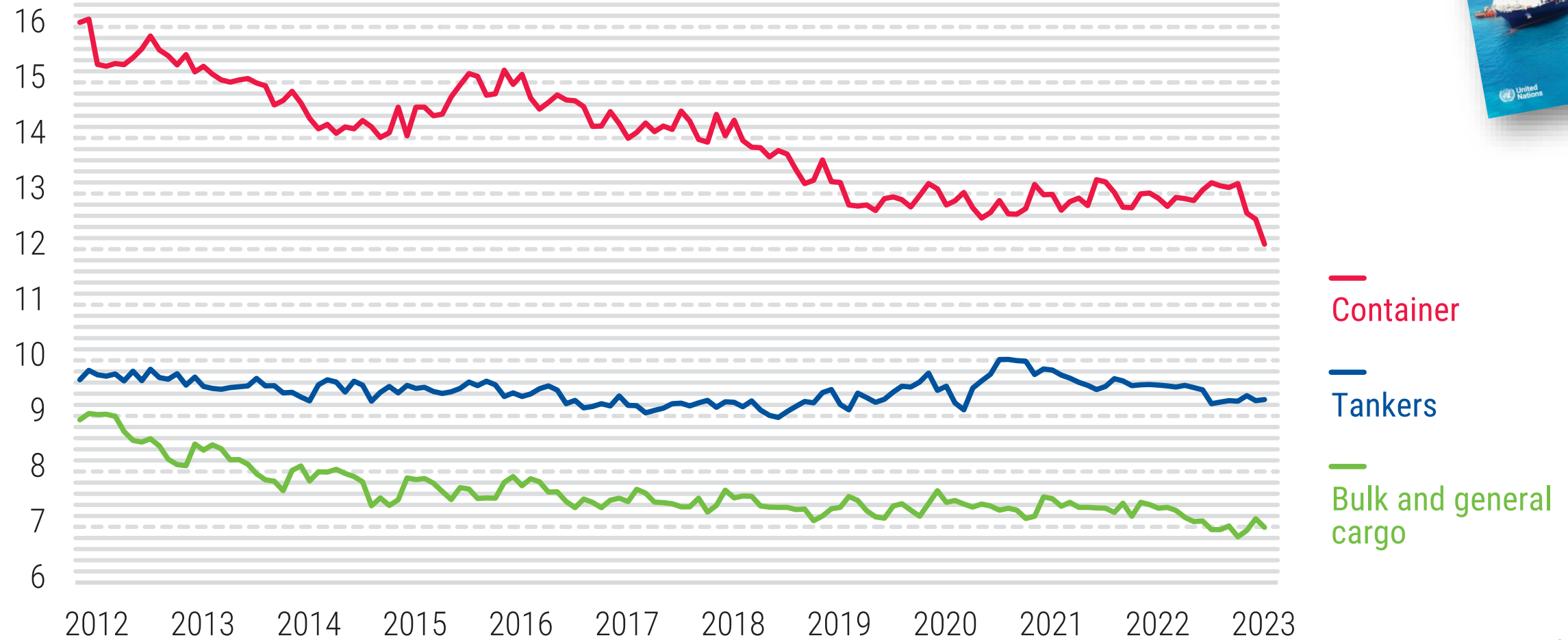
# Total CO2 emissions by vessel types, tons, January 2012–March 2023



Source: UNCTAD, based on Marine Benchmark

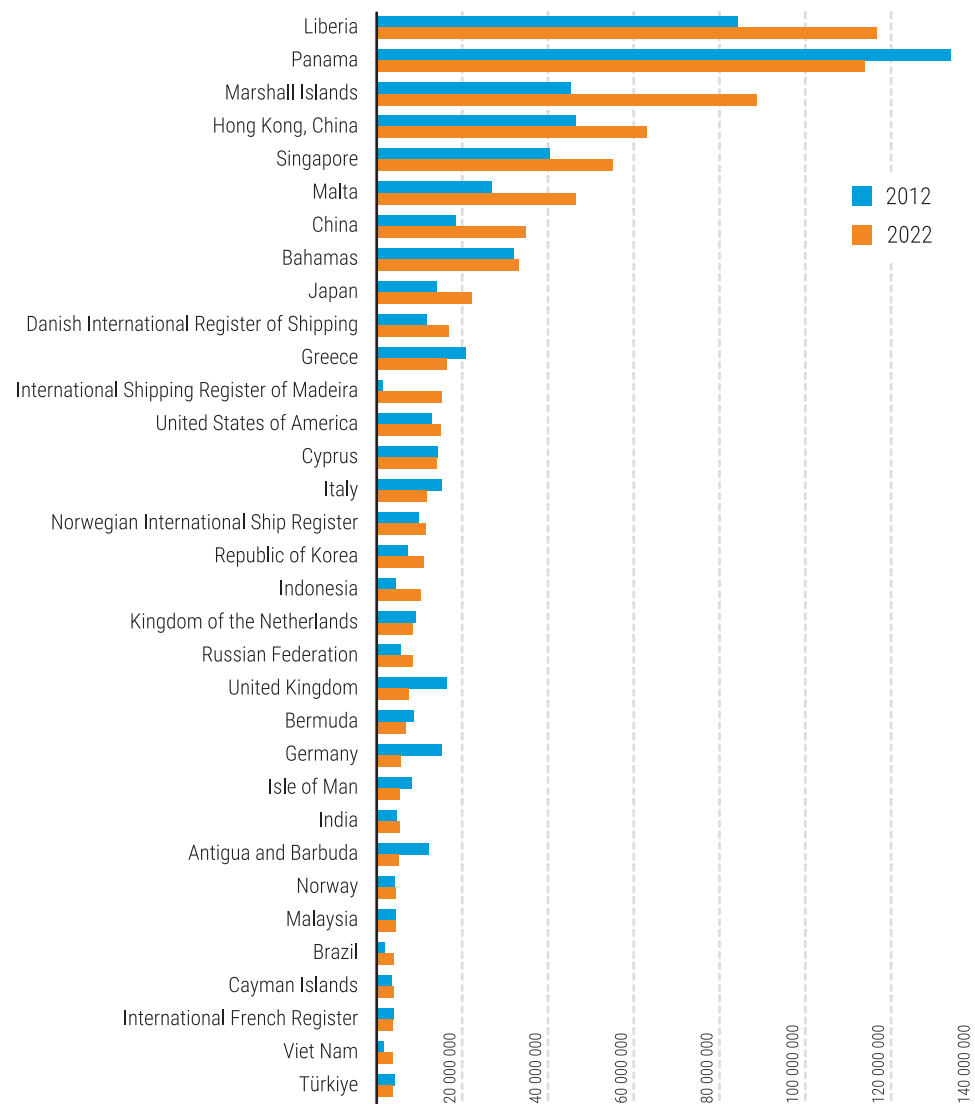
# World fleet, main vessel types, monthly CO2 emissions per ton-mile, Jan 2012–Mar 2023

(Gram/ton\*nautical mile)

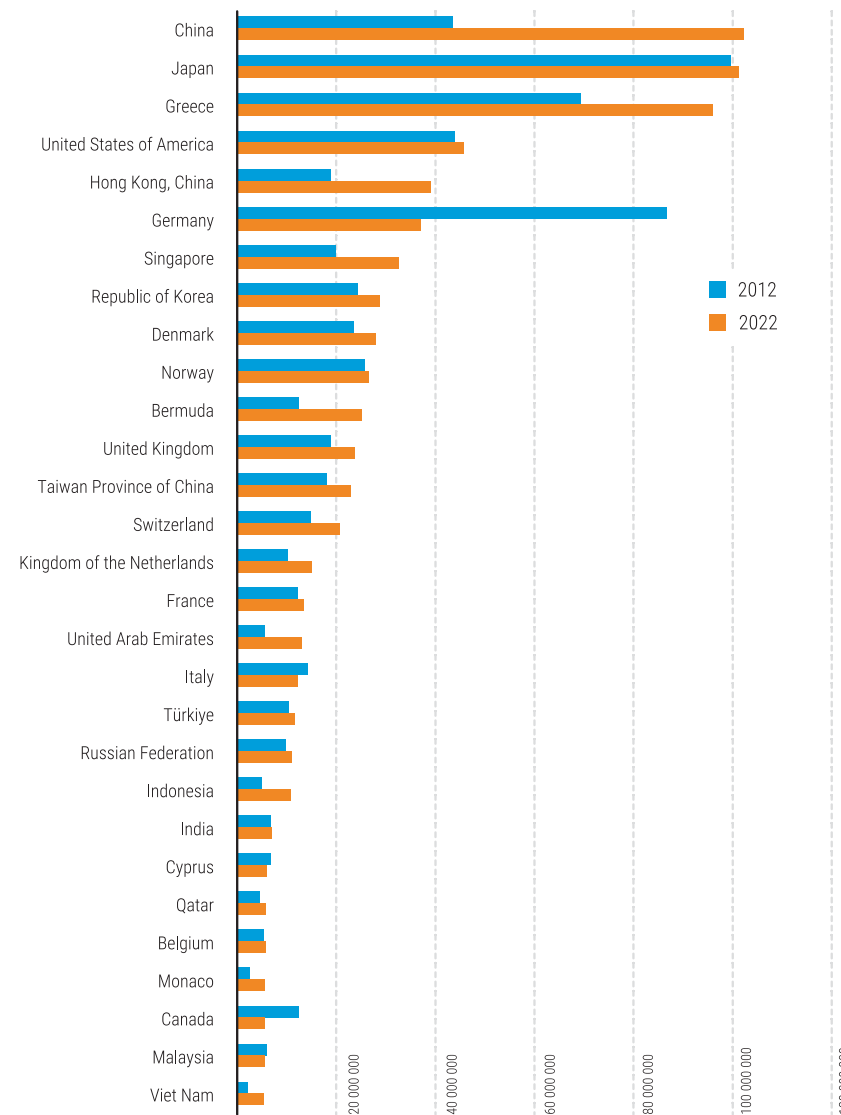


Source: UNCTAD, based on Marine Benchmark

## CO2 emissions by main flags of registration, tons, 2012 and 2022

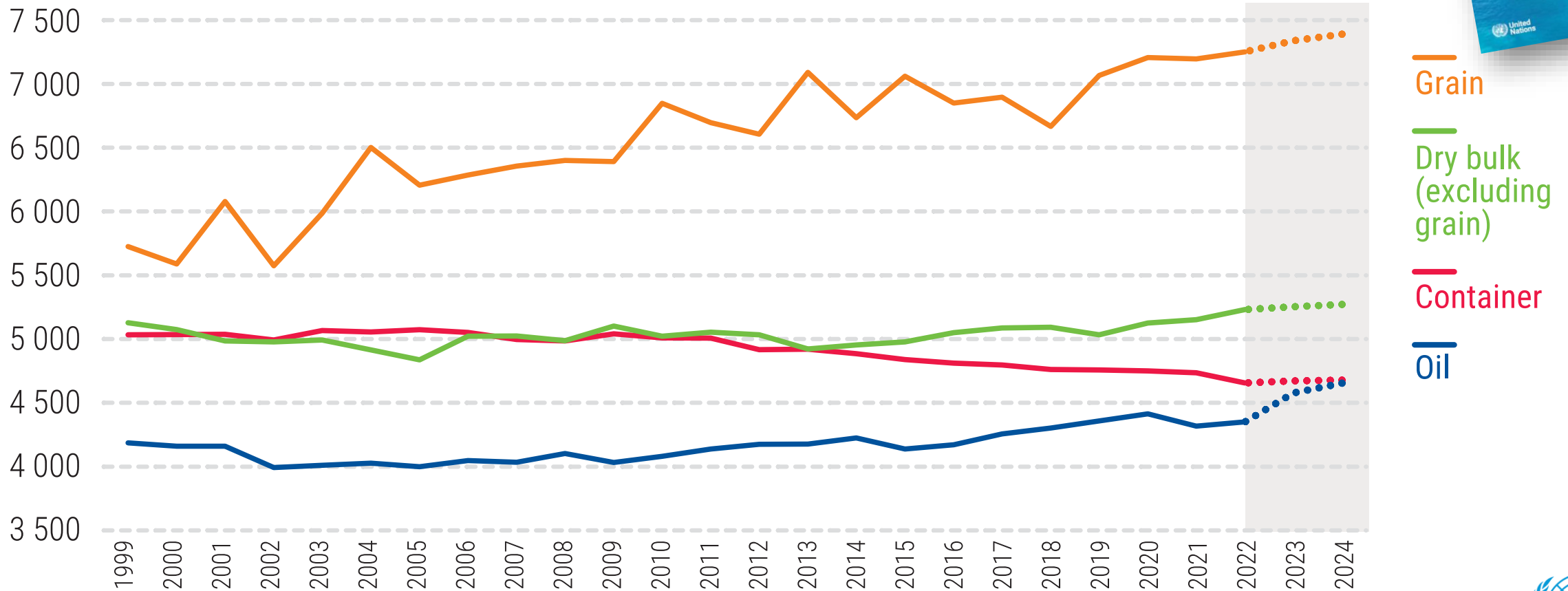


## CO2 emissions by main countries of ownership, tons, 2012 and 2022



# Distance travelled per ton of maritime cargo, 1999–2024

(Nautical miles)



- Grain
- Dry bulk (excluding grain)
- Container
- Oil

Source: UNCTAD, based on Clarksons