









Part 1: Demand, supply and markets



Part 2: Cross cutting issues



Part 1: Demand, supply and markets



Part 2: Cross cutting issues



Chapter 1

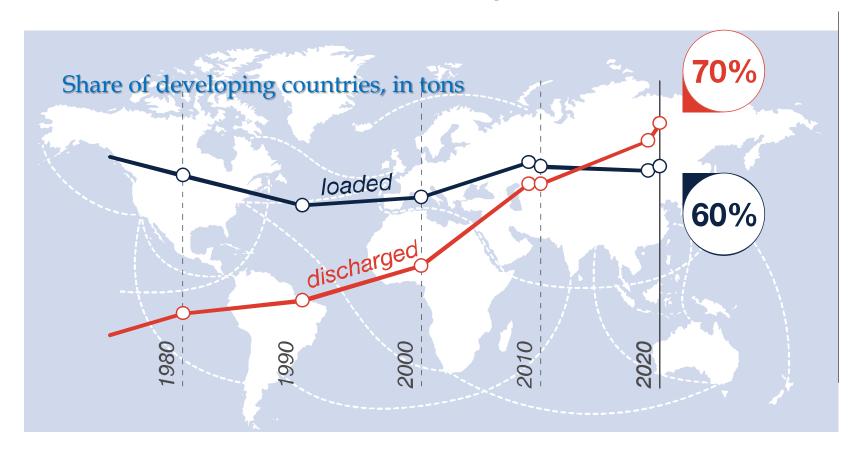
Maritime trade and port cargo traffic



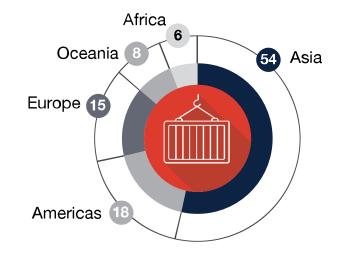


INTERNATIONAL SEABORNE TRADE

Developing countries continue to account for the lion's share of world maritime trade by volume

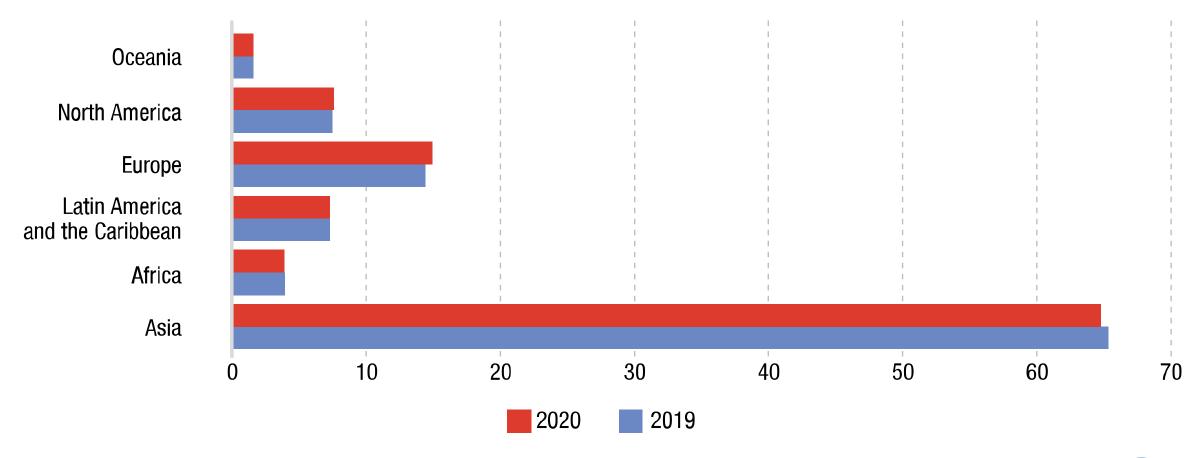


World maritime trade, percentage share per region



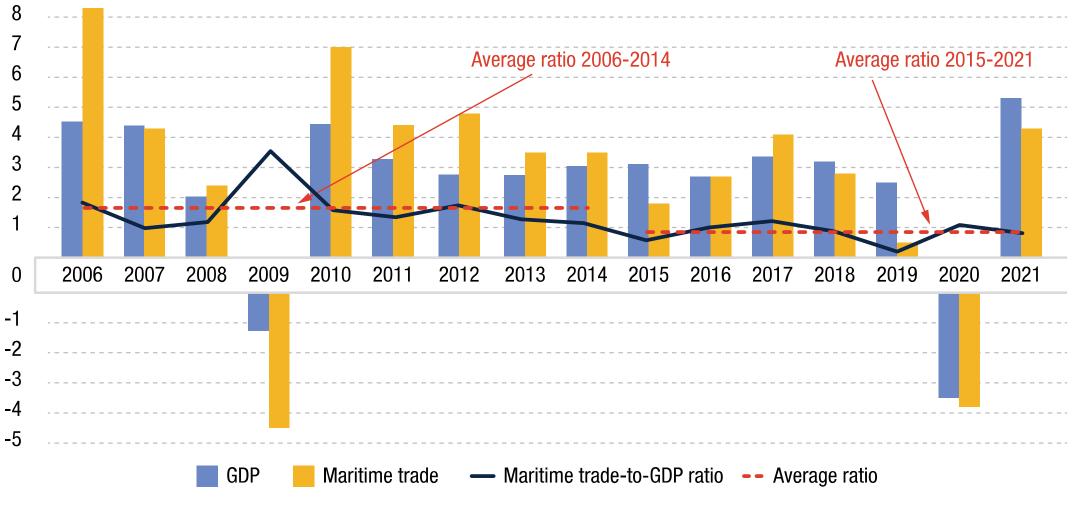


World container port throughput by region, 2019–2020 (percentage share in total TEU)



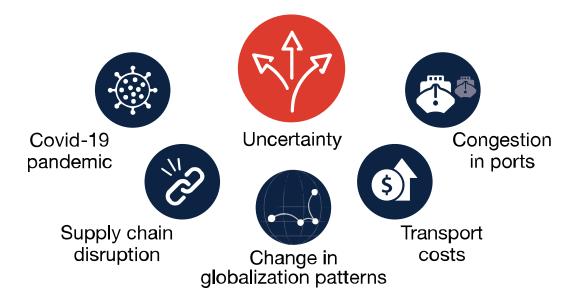


International maritime trade, world gross domestic product (GDP) and maritime trade-to-GDP ratio, 2006 to 2021 (percentage annual change and ratio)



OUTLOOK

Short-term outlook for maritime trade is positive, however, risks are manifold and uncertainty remains



UNCTAD expects world maritime trade to recover

by

+4.3% in 2021

Growth in maritime trade volumes expected to moderate and expand at an annual rate of

+2.4%

between 2022 and 2026



Chapter 2

Maritime transport services and infrastructure supply





THE WORLD FLEET

In early 2021, the world fleet totalled

99,800 ships

of 100 gross tons and above, equivalent to **2,134,639,907** dwt of capacity



The global shipping fleet grew by

+3%

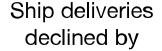
in the 12 months prior to 1 January 2021



Ships between

5-9 years old

represented the highest proportion of the fleet carrying capacity



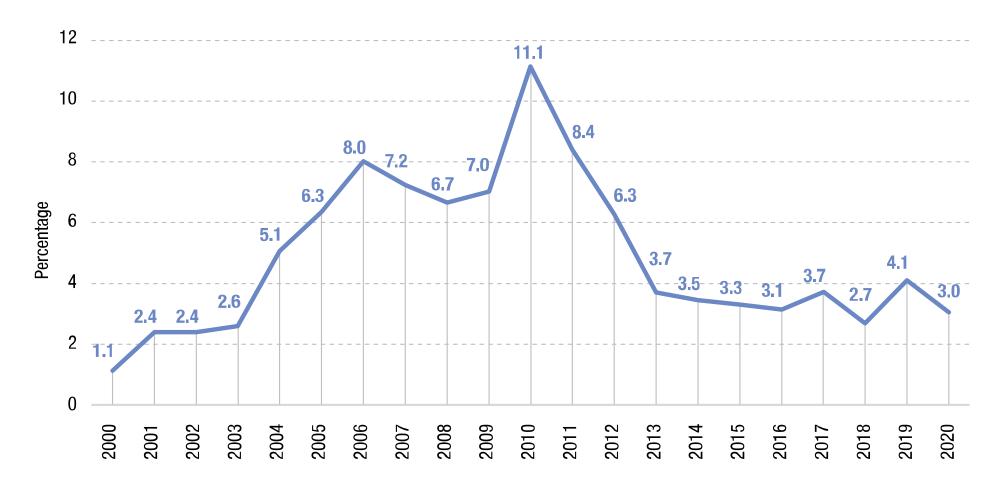
-12 %

in 2020



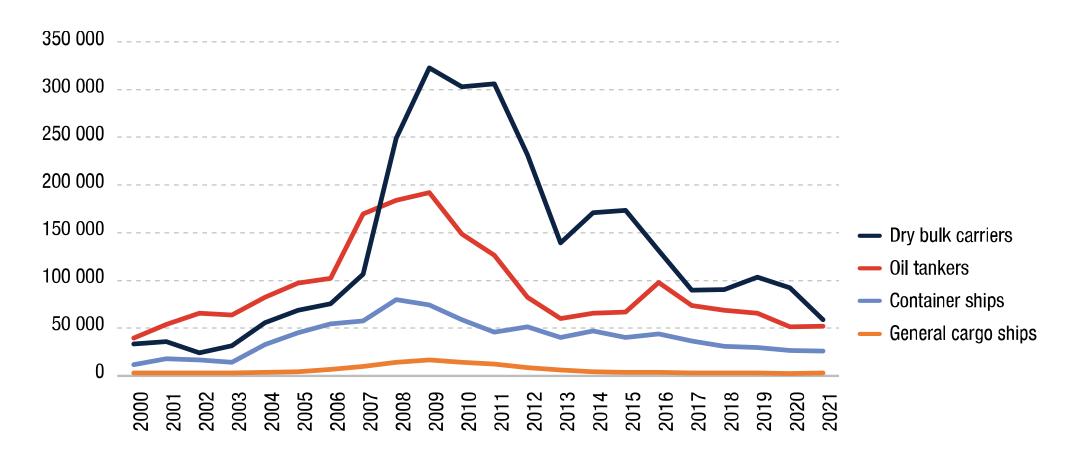


Annual growth rate of world fleet, dead-weight tonnage, 2000–2020 (percentage)



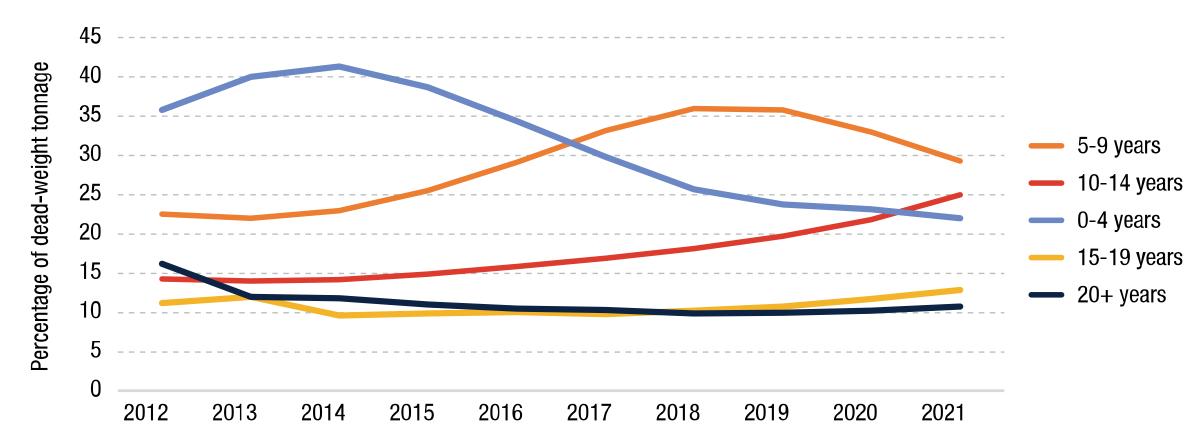


World tonnage on order, selected ship types, 2000–2021 (thousand dead-weight tons)



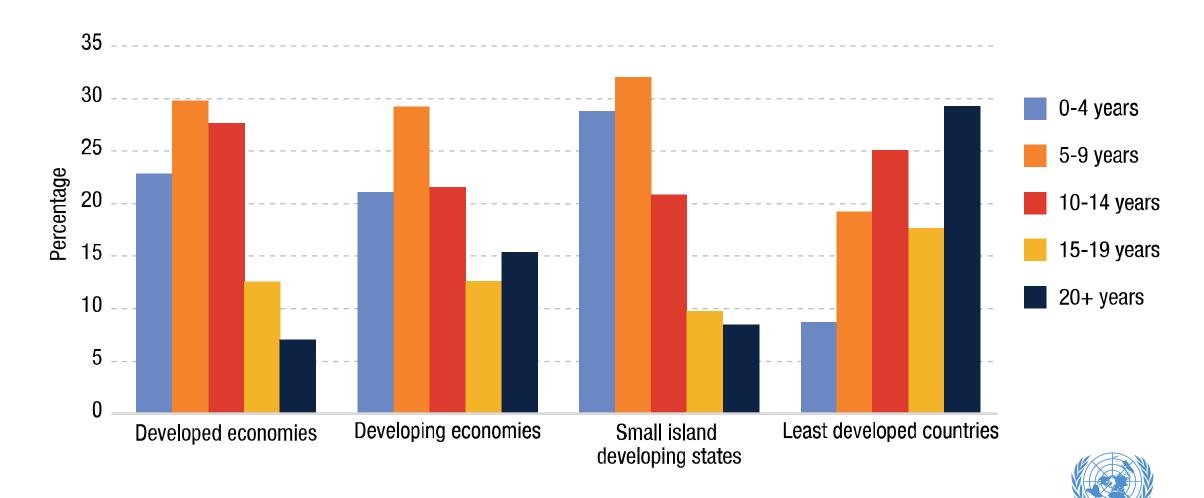


Age distribution of the global fleet, share of the global carrying capacity, 2012–2021





Age distribution of the fleet, as at beginning of 2021, per development status groups

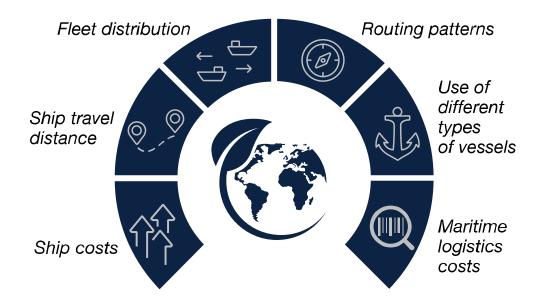


UNCTAD

SHIPPING COMPANIES AND OPERATIONS

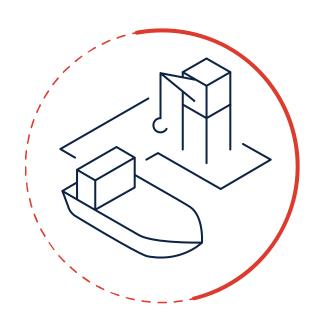
Adapting maritime transport supply Trade growth Decarbonization targets Scaling up investment to expand the fleet Retrofitting or replacing the existing fleet

Potential changes from the Green Transition





PORT SERVICES AND INFRASTRUCTURE SUPPLY



Since 2020, ports resilience and adaptive capacity have been tested:

- Financial performance
- Congestion
- Equipment shortages
- Supply chain disruption

New opportunities from the COVID-19 crisis



E-commerce, smart logistic hubs and intermodal connections



Greener industrial port activities



| Category | Indicator number | Indicator | Number of values | Average |
|-------------------|---------------------|--|------------------|-----------|
| Finance | 1 | EBITDA/Revenue (operating margin) | 98 | 33.1% |
| | 2 | Labour/Revenue | 102 | 22.9% |
| | 3 | Vessel Dues/Revenue | 101 | 15.8% |
| | 4 | Cargo Dues/Revenue | 101 | 36.7% |
| | 5 | Concession Fees/Revenue | 91 | 13.7% |
| | 6 | Rents/Revenue | 96 | 5.7% |
| Human resources | 7 | Tonnes/Employee | 108 | 65'054 |
| | 8 | Revenue/Employee | 101 | \$189'180 |
| | 9 | EBITDA/Employee | 97 | \$98'029 |
| | 10 | Labour Cost/Employee | 96 | \$32'985 |
| | 11 | Training Cost/Wages | 96 | 1.3% |
| Gender | 12 | Female Participation Rate - All Categories | 108 | 17.5% |
| | 12.1 | Female Participation Rate - Management | 108 | 42.0% |
| | 12.2 | Female Participation Rate - Operations | 100 | 16.0% |
| | 12.3 | Female Participation Rate - Cargo Handling | 74 | 5.7% |
| | 12.4 | Female Participation Rate - Other Employees | 46 | 29.1% |
| Vessel operations | 13 | Average Waiting Time (hours) | 92 | 14 |
| | 14 | Average Gross Tonnage per Vessel | 106 | 18′184 t |
| | 15.1 | Average of Oil Tankers Arrivals | 114 | 9.8% |
| | 15.2 | Average of Bulk Carrier Arrivals | 115 | 10.5% |
| | 15.3 | Average of Container Ship Arrivals | 114 | 30.7% |
| | 15.4 | Average of Cruise Ship Arrivals | 113 | 1.1% |
| | 15.5 | Average of General Cargo Ship Arrivals | 116 | 27.4% |
| | 15.6 | Average of Other Ship Arrivals | 114 | 22.5% |
| Cargo operations | 16 | Average Tonnage per Arrival | 117 | 8′162 t |
| | 17 | Tonnes per hour, Dry Bulk | 77 | 317 |
| | 18 | Tonnes per hour, Liquid Bulk | 55 | 367 |
| | 19 | Boxes Per Ship Hour at Berth | 70 | 27 |
| | 20 | Twenty-foot equivalent dwell time (days) | 63 | 6 |
| | 21 | Cargo Tonnes per hectare (all) | 107 | 141′704 |
| | 22 | Cargo Tonnes per berth meter (all) | 113 | 6'482 |
| | 23 | Total Passengers on Ferries | 89 | 959'899 |
| | 24 | Total Passengers on Cruise Ships | 92 | 91′068 |
| Environment | 25 | Investment in Environmental Projects/Total CAPEX | 54 | 6.3% |
| | 26 | Environmental Expenditures/Revenue | 77 | 1.8% |

TRAINFORTRADE PORT PERFORMANCE SCORECARD (PPS)







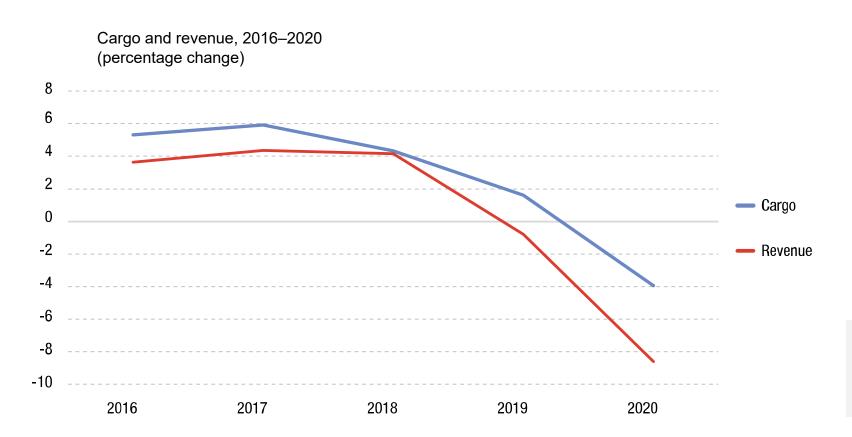


https://tft.unctad.org/tft_documents/publications/port-performance-newsletter/

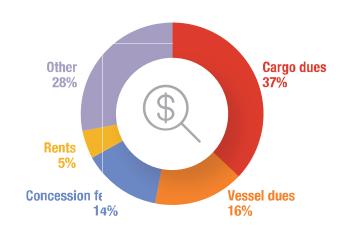
- 26 comparable indicators over time (2010>)
- Global & Regional benchmarks
- Yearly survey on dedicated web platform
- Data consistency checks
- Advanced analysis tools



PANDEMIC IMPACTS



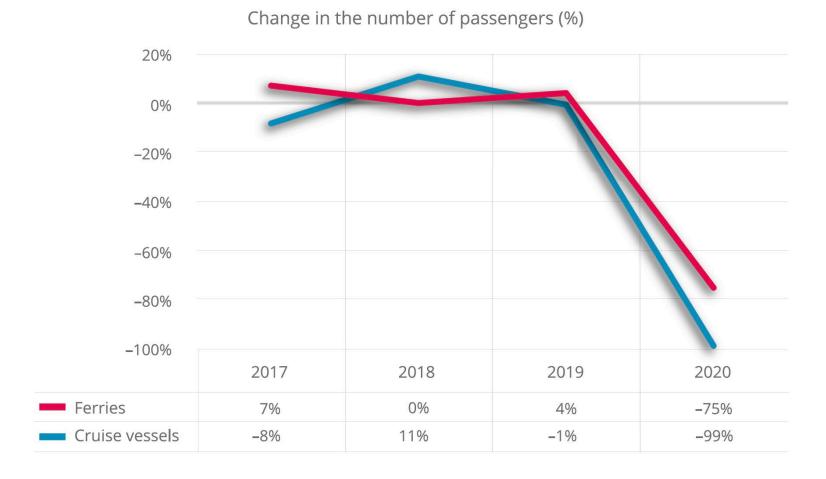
Average revenue mix of ports, 2016–2020



Drop: Volume -4% Revenue -9%



PANDEMIC IMPACTS





Emerging strategies for ports during the pandemic

KEY POINTS

- Ports are essential facilitators of world trade.
- Public health advice is crucial in mitigating the impact of pandemics.
- Government policy and regulation is required to support port operations during pandemics.

https://unctad.org/webflyer/emergingstrategies-ports-during-pandemic



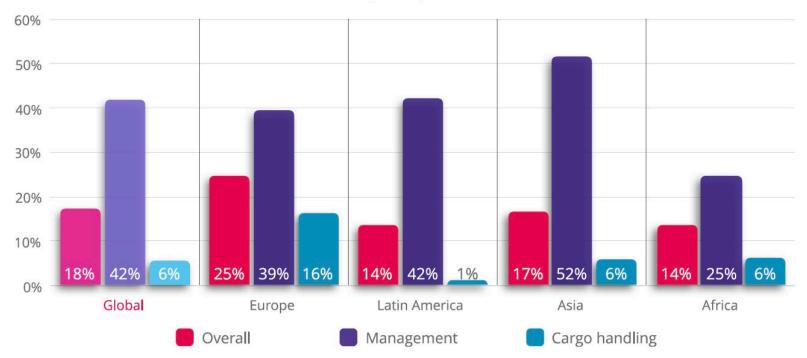
PORT PERFORMANCE SCORECARD (PPS) - REGIONAL ANALYSIS & BENCHMARKING



SDG 5.5

Ensure women's full and effective participation and equal opportunities for leadership at all levels of decision making in political, economic and public life







Chapter 3

Freight rates, maritime transport costs and their impact on prices





MARITIME FREIGHT RATE MARKETS

Record-breaking freight rate levels

As of late 2020 and into 2021 freight rates surged across containerised and dry bulk shipping markets and hit record highs

Tanker markets came under pressure with tanker rates reaching low levels



Container freight rates

Skyrocketed amid surge in demand for container shipping and limited capacity including container shortages and congestion at ports



Dry bulk freight rates

Reached record breaking levels, driven by solid growth in demand that exceeded fleet growth



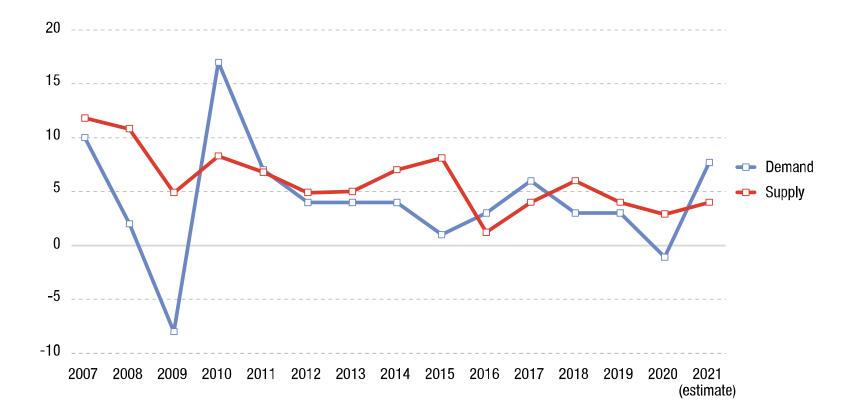


Tanker freight rates

Fell to record lows as global fuel demand decreased and the supply of vessel carrying capacity remained high

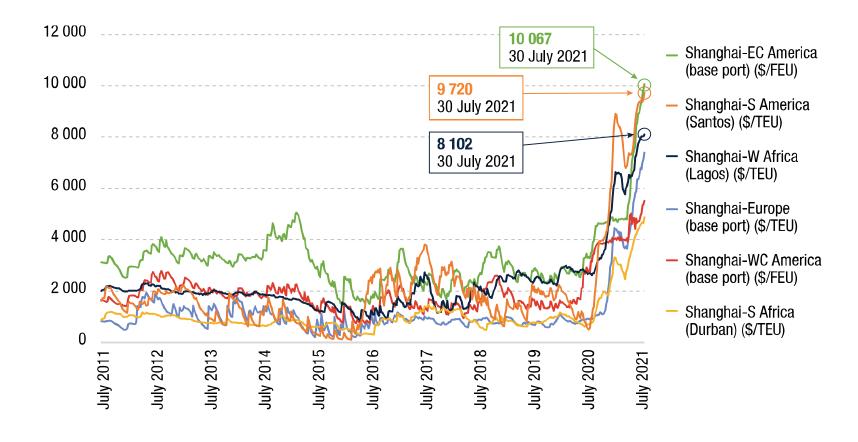


Growth of demand and supply in container shipping, 2007–2021, percentage

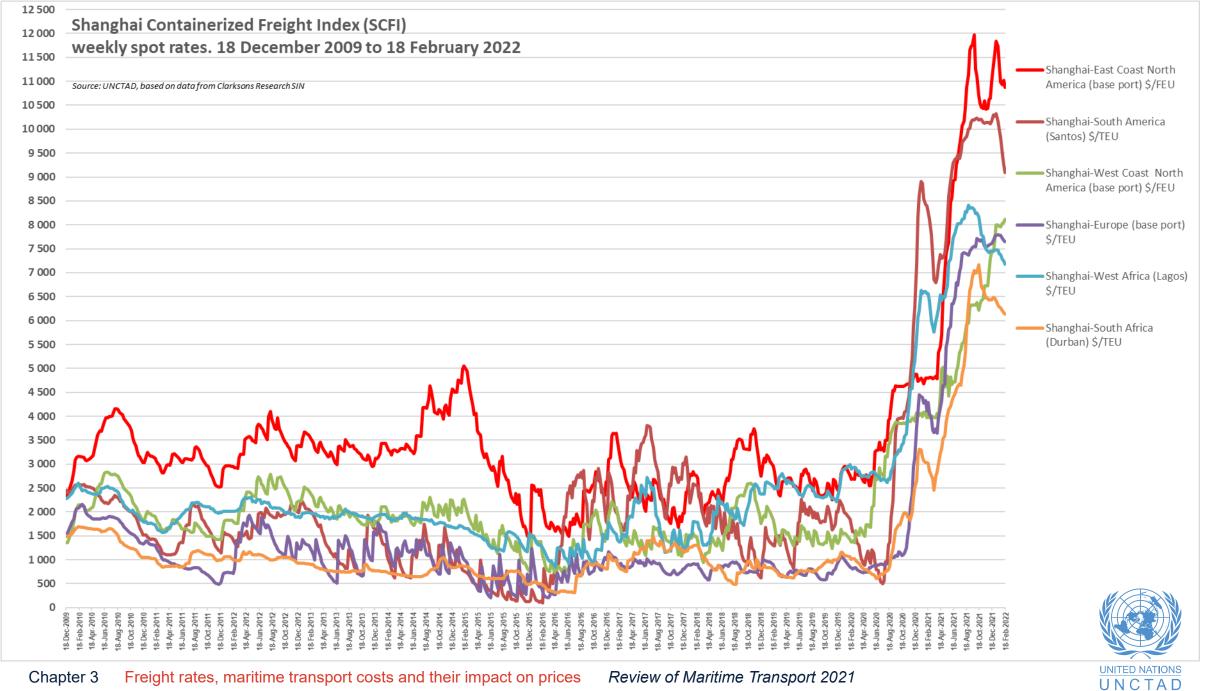




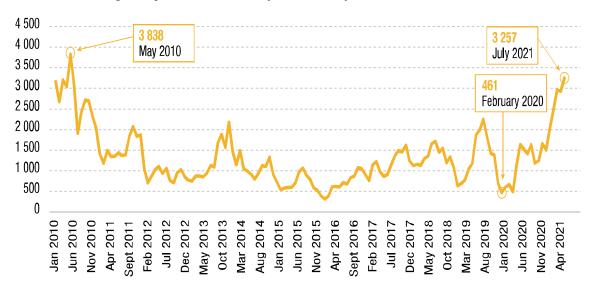
Shanghai Containerized Freight Index weekly spot rates, 1 July 2011 to 30 July 2021, selected routes







Baltic Exchange Dry Index, January 2010-July 2021

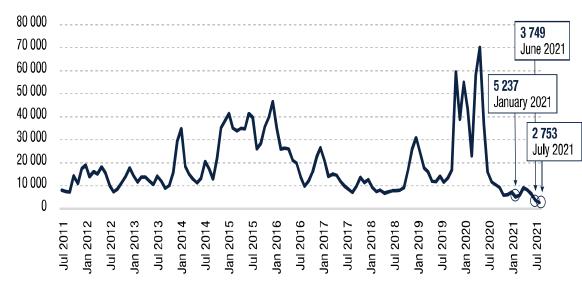


Average weighted earnings all bulkers (\$/day), July 2001-July 2021

Chapter 3



Average earnings, all tankers, July 2011–July 2021 (\$/ day)



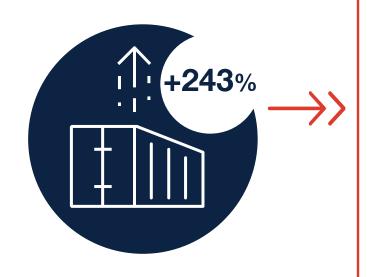


SIMULATED IMPACT OF CONTAINER FREIGHT RATE SURGES

Hardest hit will be SIDS

Simulation assumption:

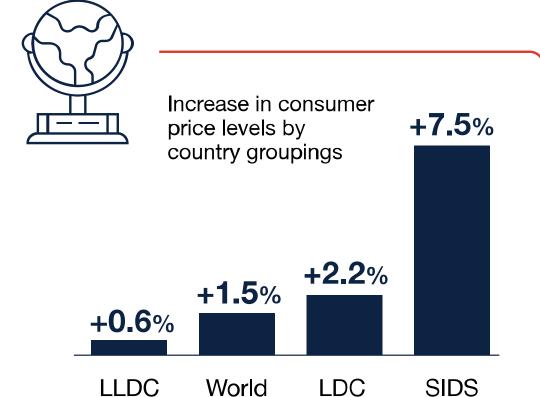
Sustained increase in container freight rates



Simulation results:

Increase in global import price levels

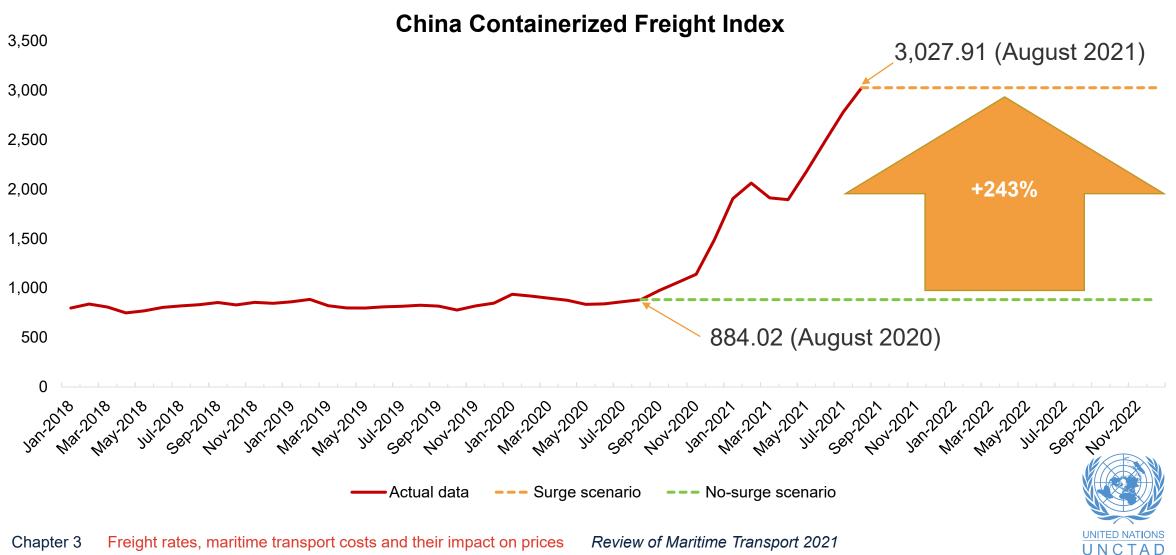






SIMULATION ASSUMPTION ON FREIGHT RATES

Freight rate surge (i.e., 243% increase) is assumed to be sustained in the long-term



(SIMULATION ASSUMPTION ON OTHER FACTORS)

Following factors are held constant over the entire simulation period:

- Exchange rate
- Foreign prices (i.e., a weighted average of consumer prices of trading partners)
- Real GDP
- Global commodity prices (energy, non-energy, precious metals)

$$\Delta \ln IPI_{t}^{c} = \alpha^{c} + \sum_{l=0}^{L} (\beta_{1,l} \Delta \ln CCFI_{t-l}^{c} + \beta_{2,l} \Delta \ln e_{t-l}^{c} + \beta_{3,l} \Delta \ln w_{t-l}^{c} + \beta_{4,l} \Delta \ln GDP_{t-l}^{c} + \beta_{5,l} \Delta \ln Com_{t-l}^{c}) + \sum_{l=1}^{L} \beta_{6,l} \Delta \ln IPI_{t-l}^{c}$$

What about **US monetary policy**?

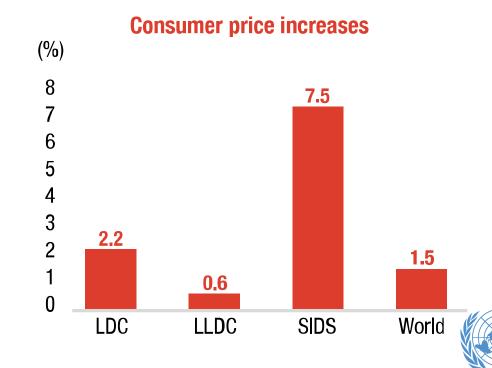
- > Following important channels are held constant:
 - Exchange rate channel (US interest rate -> exchange rate -> import and consumer prices)
 - US GDP and freight rate channel (US interest rate -> US GDP -> freight rate -> import and consumer prices)
 - Note that the freight rate surge is assumed to be sustained in the long. term

SIMULATION RESULT

- Hardest hit will be SIDS because of their dependence on imports
- Impact is also high in LDCs
 - In high-inflation economies, firms tend to assume that increases in import prices will be persistent and respond by increasing their prices
- Impact on LLDCs is lower owing to limited dependence on maritime transport

Simulated impact of current container freight rate surge on import and consumer price levels



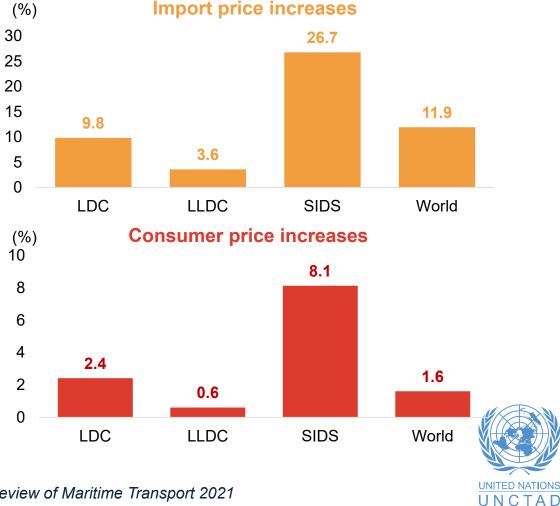


UPDATED SIMULATION

Assumption: CCFI +297% (previously +243%)

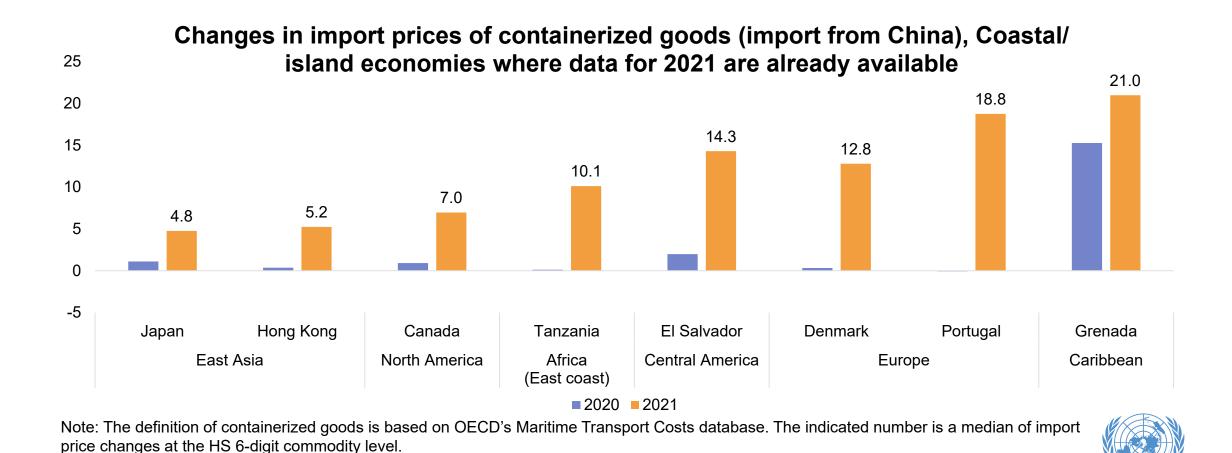
Result: World import prices +11.9% (previously +10.6%); CPI +1.6% (+1.5%) SIDS import prices +26.7% (previously +24.2%); CPI +8.1%(+7.5%)





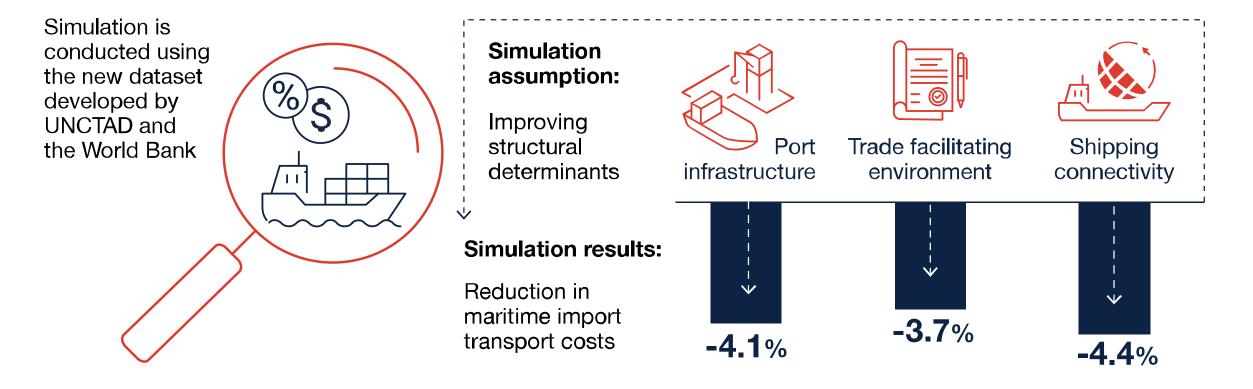
LATEST DATA ON IMPORT PRICE INCREASES

Latest data confirm that a small island economy, namely Grenada, suffered a higher increase in import prices than other economies in 2021.



Source: UN Comtrade

SIMULATED IMPACT OF IMPROVING MARITIME TRANSPORT COST DETERMINANTS





NEW DATASET ON GLOBAL TRANSPORT COSTS

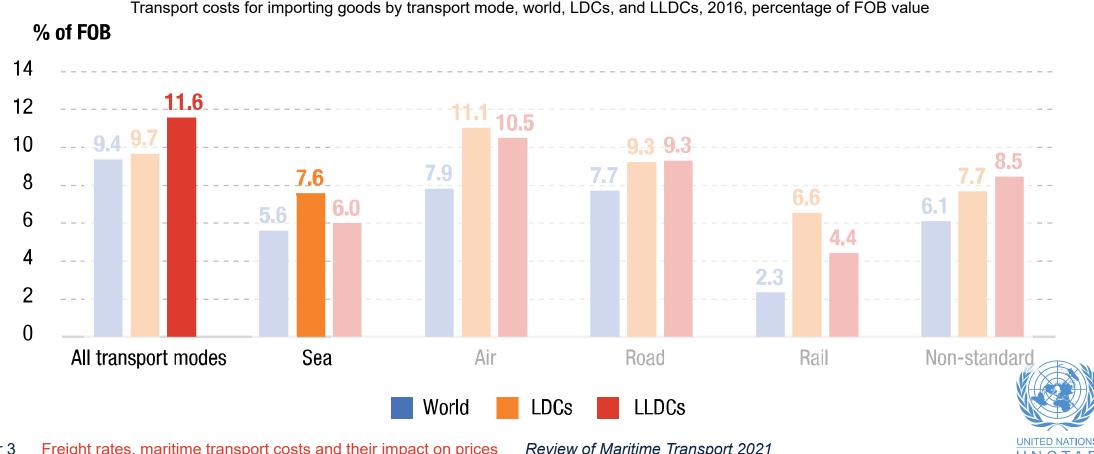
- UNCTAD and World Bank have developed a Global Transport Costs Dataset for International Trade
 - ➤ Interactive map: https://unctadstat.unctad.org/EN/TransportCost.html
 - > Database:

https://unctadstat.unctad.org/wds/ReportFolders/reportFolders.aspx?IF_Active Path=P%2C207045

- The most extensive coverage of any public transport costs dataset so far
 - > Broken down by mode of transport (i.e., sea, air, rail, road, non-standard)
 - Country coverage: bilateral data for over 100 importing countries and over 200 exporting countries
 - Detailed information at HS 6-digit commodity level
 - > Depicting around 95 percent of the global merchandise trade in terms of value
 - Currently it contains data for 2016, but more data will be added in the

OVERVIEW OF THE GLOBAL TRANSPORT COSTS 1

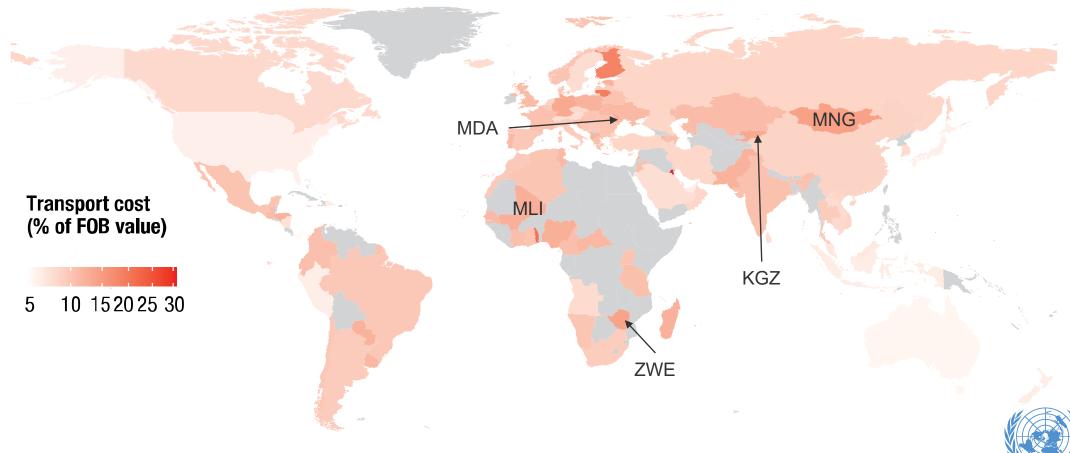
- Transport cost data have been aggregated for three importing country groups > LDCs, LLDCs and the world as a whole
- The highest all-mode transport costs are for LLDCs
- For maritime transport costs, the highest costs are in LDCs



OVERVIEW OF THE GLOBAL TRANSPORT COSTS 2

Heatmap also indicates high transport costs (all mode) for LLDCs such as Mongolia, Zimbabwe, Kyrgyzstan, the Republic of Moldova and Mali.

Transport costs heatmap for importing goods, all modes of transport, 2016, percentage of FOB value



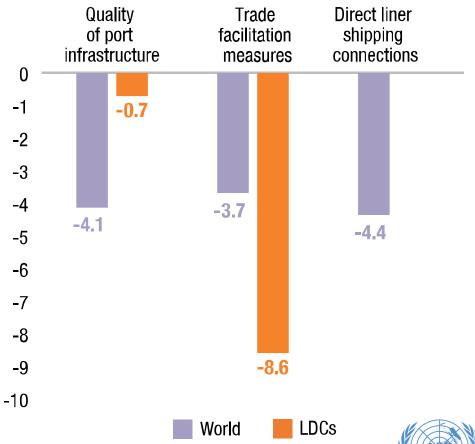
Note: Grey color indicates countries where import transport costs data are not available.

TRANSPORT COST DETERMINANTS

- The dataset is useful to analyze the underlying relationships between shipping costs and their determinants
- Improving the following determinants is estimated to significantly reduce maritime transport costs:
 - Quality of port infrastructure
 - > Trade facilitation measures
 - > Liner shipping connections
- The impact of trade facilitation measures is expected to be larger in LDCs

Impact of structural determinants on maritime transport costs for importing goods

Impacts on maritime transport costs (%)



Note: Impact of improving the transport cost determinants from their 25th percentiles to 75th percentiles.



POLICY CONSIDERATIONS - SHORT TERM

- Monitor markets To ensure a fair transparent and competitive commercial environment, governments will need to monitor freight rates, as well as fees and charges applied by carriers and port terminals. Policy makers should strengthen maritime transport competition authorities so that they can better understand market development and provide the requisite regulatory oversight (UNCTAD, 2021).
- Share information and strengthen collaboration To enhance transport
 efficiency and operations there should be greater collaboration and sharing
 of data between various stakeholders along the maritime supply chain,
 including carriers, ports, inland transport providers, customs and shippers.



POLICY CONSIDERATIONS – LONG TERM

- Analyse trends Relevant organizations, including UNCTAD, should continue
 to monitor trends in shipping markets, collect data and deepen their
 analysis of the structural determinants of transport costs. They can
 consider ways of cutting costs, enhancing efficiency and smoothing delivery of
 international maritime trade.
- Upgrade ports To address congestion and ensure efficient and sustainable trade, port operations should be upgraded by improving infrastructure, and investing in new technology and digital solutions. Similar efforts should extend to trade facilitation to improve hinterland connectivity, particular for LDCs, SIDS and LLDCs.
- Move up the value chain If smaller economies are to be more resilient to external shocks, including freight rate surges and maritime transport disruptions, they should be able to diversify by graduating to higher-valueadded products.

Part 1: Demand, supply and markets



Part 2: Cross cutting issues



Part 1: Demand, supply and markets



Part 2: **Cross cutting issues** Chapter 4 Key performance indicators for ports and the shipping fleet Chapter 5 The COVID-19 seafarer crisis Chapter 6 Legal and regulatory developments and the facilitation of maritime trade

Chapter 4

Key performance indicators for ports and the shipping fleet





LINER SHIPPING CONNECTIVITY

The top 5 economies with the highest Liner Shipping Connectivity Index (LSCI) are in Asia



- 1 China
- 2 Singapore
- 3 Republic of Korea
- 4 Malaysia
- 5 Hong Kong, China

- 6 United States
- 7 Spain
- 8 Netherlands
- 9 United Kingdom
- 10 Belgium

The long-term trend in the distribution of the LSCI shows a widening gap between the best and least connected countries

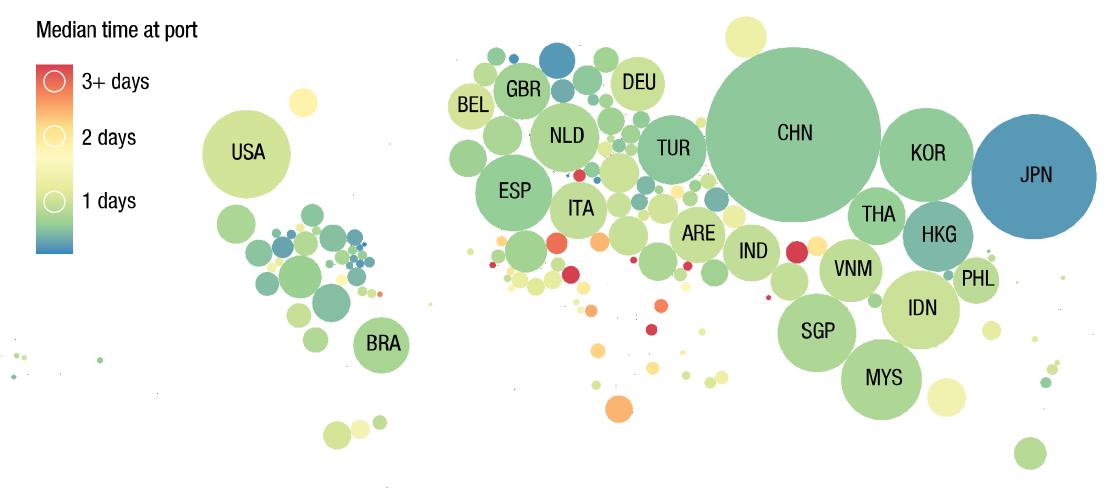


18 of the 25 least connected economies and territories for which an LSCI has been generated are islands



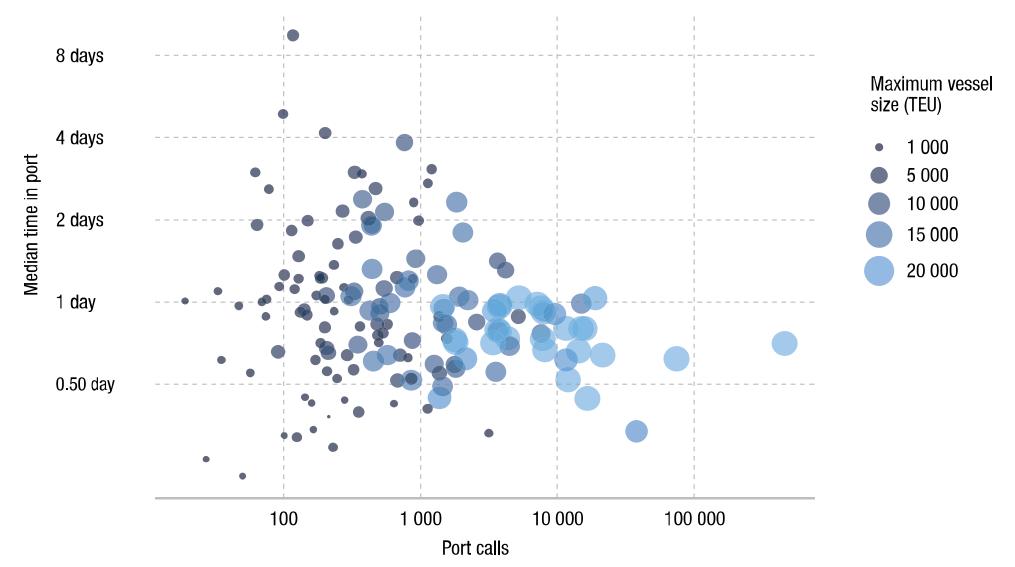


Container ship port calls and time in port, 2020



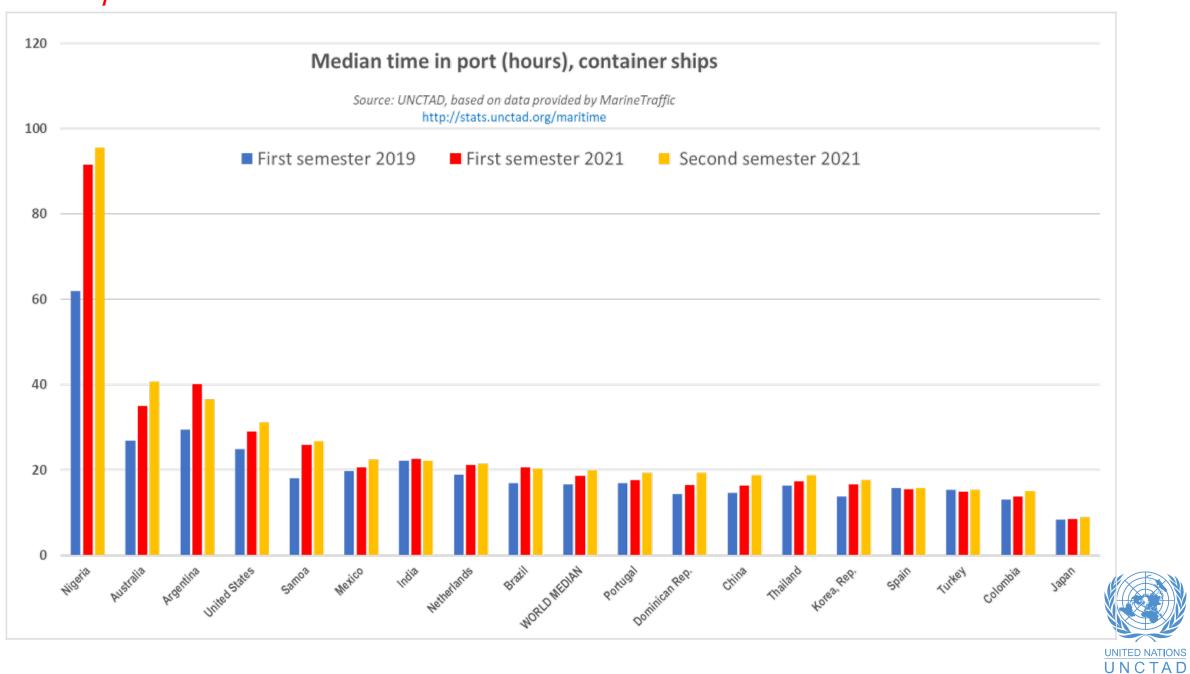


Median time in port, number of port calls, and maximum vessel sizes, per country, container ships, 2020

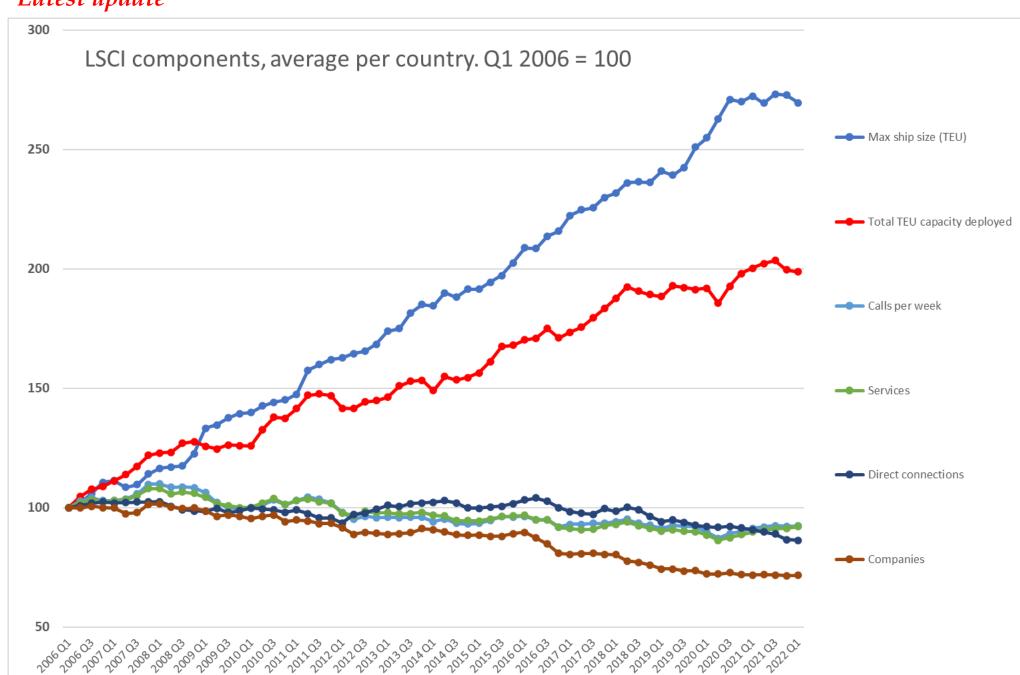




Latest update



Latest update





PORT OPERATIONS BEYOND CONTAINER: NEW DATA ON BULK CARGO

The fastest loading operation



Dry bulk carriers

Tonnes loaded per minute



(28) Colombia

25) Brazil



Tankers

Tonnes loaded per minute

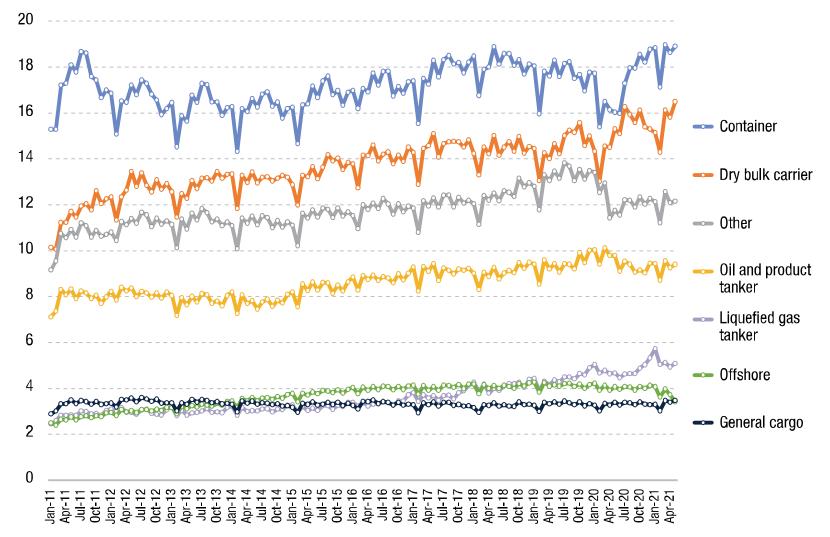
(113) Angola

95) Qatar

(90) Kuwait

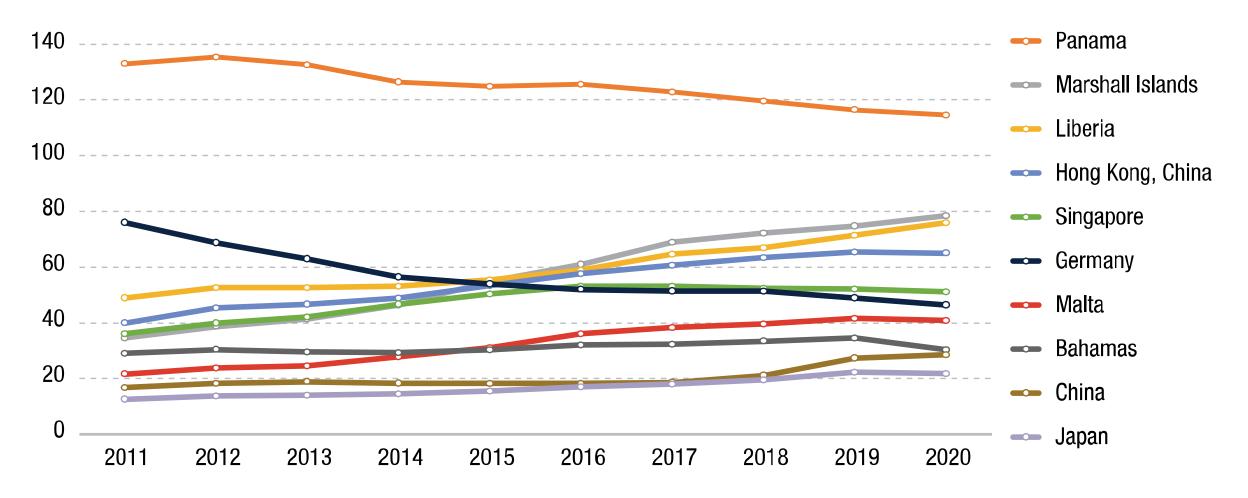


Carbon dioxide emissions by vessel type, monthly, million tons, 2011–2021





Carbon dioxide emissions by flag state, annual, 2011–2020, million tons





Chapter 4

UNITED NATIONS CONFERENCE ON TRADE AND DEVELOPMENT

Chapter 5

The COVID-19 seafarer crisis







Chapter 5 – The COVID-19 seafarer crisis

Seafarers – 1.9 million worldwide – most from developing countries - vital role - flow of critical goods across supply chains - keeping world trade moving

Seafarers need to be changed over – to prevent fatigue and to comply with international maritime regulations and standards for safety, crew health and welfare (MLC 2006)

COVID-19 public health and travel related restrictions - many seafarers unable to leave ships — stranded beyond expiration dates of contracts and default 11-month maximum period of continuous service on board (MLC 2006).

A high of 400.000 seafarers affected in 2020; as of July 2021, estimated number around 250.000

Humanitarian and safety implications – physical and mental health, fatigue, increased risk of accidents

As *variants of the virus* emerge - continued *border closures, lockdowns and preventative measures* (suspending crew changes, prohibiting crews from disembarking at port terminals) - also *shortage of international flights* and *insufficient vaccine supply*

Despite a range of relevant guidance and recommendations by international organizations and industry stakeholders, two years into the pandemic large numbers of seafarers remain stranded – still no gloka: consensus on uniform measures allowing for efficient crew changes/ transfer



Chapter 5 – The COVID-19 seafarer crisis

Relevant key guidance and recommendations by international organizations include:

- <u>Advice via Circular Letter</u> for IMO Member States, seafarers and shipping (including joint calls for action with ILO, WHO, UNCTAD, ICAO etc) other useful links to COVID-19 resource pages
- IMO MSC resolution on <u>Recommended action to facilitate ship crew change, access to medical care and seafarer travel during</u> <u>the COVID-19 pandemic</u> (MSC.473(ES.2) September 2020
- IMO Assembly resolution on <u>Comprehensive action to address seafarers' challenges during the COVID-19 pandemic</u> (resolution A.1160(32)) December 2021

<u>ILO</u>

<u>Resolution concerning maritime labour issues and the COVID-19 pandemic</u> – December 2020 UN GA

• Resolution on <u>International cooperation to address challenges faced by seafarers as a result of the COVID-19 pandemic to support global supply chains</u> (A/RES/75/17) – December 2020 - UNCTAD and IMO were requested to report on issues related to the resolution – Chapter 5 of RMT 2021

WHO

- <u>An implementation guide for the management of COVID-19 on board cargo ships and fishing vessels</u> first issued 08/2020 (updated 12/2021)
- <u>WHO SAGE Roadmap For Prioritizing Uses Of COVID-19 Vaccines In The Context Of Limited Supply</u> first issued 10/ 2020 (last updated 01/2022)
- Public health surveillance for COVID-19: interim guidance first issued 12/2020 (last updated 02/2022)
- Roadmap to improve and ensure good indoor ventilation in the context of COVID-19 03/2021 (corrigenda 04/2021)
- <u>Digital Documentation of COVID-19 certificates: vaccination status: technical specifications and implementation guidance</u> 08/2021



UNCTAD

Relevant broader stakeholder initiatives include:

<u>Neptune Declaration on Seafarer Well-being and Crew Change</u> – January 2021 – 600 companies and organizations (currently over 850) - recognizes *shared responsibility to ensure that the crew change crisis is resolved*

<u>Crew Change Indicator</u> - aggregated data from 10 leading ship managers - 90,000 seafarers on board ships - monthly since May 2021 - data as of the 15th of the previous month – **an indication of trends**

<u>February 2022 Indicator</u> – no. of seafarers onboard vessels beyond contract expiration slightly increased from 3.7% to 4.2% in the last month – no. of seafarers onboard for over 11 months remained stable at 0.4% - reflects challenges by Omicron – goes against decreasing trend since September 2021

Vaccination of seafarers is progressing – countries' programmes to offer vaccines to international seafarers



Chapter 5 – The COVID-19 seafarer crisis

UNCTAD – related calls for action and other relevant documents and activities 2020/2021

- Highlight the pandemic impacts' risks to shipping and global sustainable trade and development
- Urge all stakeholders to ensure the continued safe operation of shipping, and to keep ships moving, ports open and cross-border trade flowing during the pandemic
 - ILO, IMO, UNCTAD, WHO <u>Joint Open Letter to United Nations agencies from the global maritime transport industry. Facilitating crew changes to keep world trade moving throughout the COVID-19 crisis</u>
 - <u>COVID-19: A 10-point action plan to strengthen international trade and transport facilitation in times of pandemic</u>, UNCTAD Policy Brief No. 79
 - UNCTAD and IMO <u>Joint statement in support of keeping ships moving, ports open and cross-border trade</u> <u>flowing during the COVID-19 pandemic</u>
 - <u>Facilitating crew changes and repatriation of seafarers during the COVID-19 pandemic and beyond</u> Article No.
 72, UNCTAD Transport and Trade Facilitation Newsletter N°89
 - Maritime_Webinar Series: The Crewing Crisis Seafarers concerns in times of the pandemic and beyond
 - <u>Strengthening international response and cooperation to address the seafarer crisis and keep global supply chains open during the ongoing COVID-19 pandemic</u>, UNCTAD Policy Brief No.91– December 2021
 - **IMO, ILO, UNCTAD, WHO** considering issuing a related **Joint statement** urging continued collaboration to address the crew change crisis, safeguard seafarer health and safety, and avoid supply chain disruptions during the ongoing COVID-19 pandemic

Seafarers, many of whom from developing countries, are playing a vital role in ensuring the flow of critical goods across supply chains and keeping the world trade moving.

All should be working together to implement relevant labour standards, protect seafarers' human rights and advance the objectives of SDG 8 of decent work and economic growth for sustainable development.







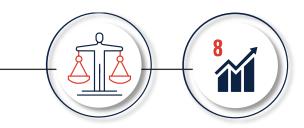
Vaccination

Concerted collaborative efforts by industry, governments and international organizations should ensure that seafarers are designated as key workers and are vaccinated as a matter of priority



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Despite important international efforts and support, the crew change crisis has worsened and seafarers are still facing serious problems which need to be addressed:



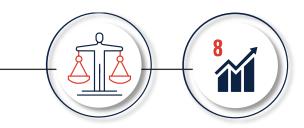
Route deviations

Charterers and other industry stakeholders should be flexible in accepting requests from shipping companies for route deviation to facilitate crew changes



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International legal framework

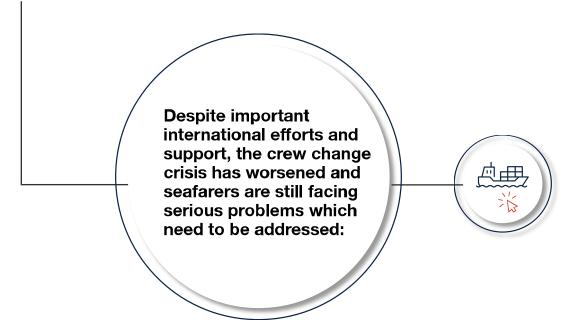
States and other relevant stakeholders should keep under review the relevant legal framework and ensure that international obligations are respected and implemented



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Maritime single windows

Port community systems should implement the Single Window concept to cover all the information and formalities resulting from FAL and other relevant instruments



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Information exchange

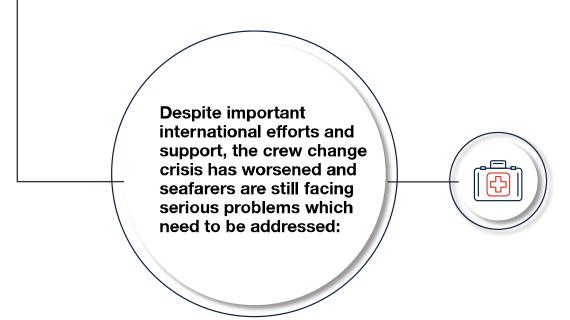
Relevant public and private sector stakeholders should continue their regular exchange of views and best practices on seafarers' situation and needs



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Outbreaks and emergencies at sea

Specific guidance on measures to prevent and deal with COVID-19 and other outbreaks at sea should be updated regularly, in line with developing scientific insights



Chapter 6

Legal and regulatory developments and the facilitation of maritime trade





Key legal issues and regulatory developments covered:

- A. Technological developments in the maritime industry
- B. Regulatory developments relating to international shipping, climate change and other environmental issues
- C. Legal and regulatory implications of the COVID-19 pandemic
- D. Other legal and regulatory developments affecting transportation



A. Technological developments in the maritime industry

1. Ensuring maritime cybersecurity



With increasing automation and digitalization, there is a growing need to effectively protect shipping assets and technology from cyber threats



Failure to address cybersecurity may result in potential contractual liability

2. Maritime autonomous surface ships (MASS)



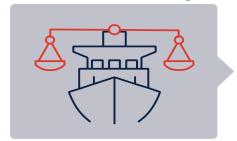
Development of maritime autonomous surface ships (MASS) technology and trials, as well as related regulatory responses, are advancing



IMO regulatory scoping exercise is progressing (completed at MSC and LEG)

B. Regulatory developments relating to international shipping, climate change and other environmental issues

1. IMO action on greenhouse gas emissions



IMO Member States agree on new mandatory regulations to further reduce GHG emissions from international shipping



Amendments to MARPOL Annex VI - requiring operators to measure energy efficiency of all ships and meet specified targets (adopted 6/2021 -eif 11/2022)

GHG reduction candidate measures considered at IMO - initial and comprehensive assessment of impact on States - UNCTAD-IMO collaboration

2. Adapting transport infrastructure to the impacts of climate change



Climate-change adaptation and resilience-building for seaports is becoming an increasingly urgent challenge, especially for vulnerable developing countries that are at high and growing risk of climate change impacts



UNCTAD 15 pre-event HL dialogue - SIDS representatives highlighted the urgent need for better availability/access to green and blue infrastructure financing - also reflected in Bridgetown Covenant



UNCTAD UNCTAD

B. Regulatory developments relating to international shipping, climate change and other environmental issues (cont)

3. Protecting the marine environment and biodiversity

a. Implementing the IMO 2020 sulphur limit

From 1 January 2020 - Flag and Port State controls - ships comply with the 0.5 per cent sulphur limit.

Implementation - primarily with VLSFO - relatively smooth - compliant fuel oil widely available globally - some disruption by COVID-19 - several more ports and countries banned open-loop scrubber wash water discharge - global enforcement facilitated by ban on the carriage of non-compliant fuel

b. Ballast water management

Amendments to BWM Convention 2004 - commissioning and testing of BWM systems and the form of the International BWM Certificate (adopted 12/2020 eif. 1/6/2022)

c. Biofouling

Amendments to AFS Convention 2001 - prohibiting anti-fouling systems containing cybutryne (adopted 06/2021; eif. 1/1/2023)

d. Oil-pollution from shipping

Oil spills - issues of *liability and compensation* - costs of reinstating the environment.

Comprehensive *international regime on liability and compensation* for oil pollution damage caused by *persistent oil spills from tankers* (CLC-IOPC Fund regime) - *does not apply for bunker oil and other spills* – covered by *Bunkers Convention* – *significantly lower compensation* (see e.g. Mauritius Oil spill 2020)

Issue needs to be revisited - IMO LEG started work to develop an 'IMO Claims Manual for the Bunkers Convention' – important that this is not dominated only by shipowner interests and developing countries contribute actively

C. Legal and regulatory implications of the COVID-19 pandemic

COVID-19 pandemic - *delays and supply-chain disruptions* - affect the *performance of contractual obligations* - need for costly litigation



UNCTAD/UN regional Commissions - joint TA project: <u>Transport and trade connectivity in the age of pandemics:</u> <u>Contactless, seamless and collaborative UN solutions</u>

UNCTAD - leading several components, including work on the *international commercial transport and trade law implications of the pandemic, to assist commercial parties to better understand the key legal issues arising and consider potential approaches to addressing some of these, including as part of their contracts*

Two related briefing notes published in 2021

Carriage of Goods by Sea and related Cargo Claims; International Sale of Goods on Shipment Terms;

One analytical report published in 2022

<u>Contracts for the carriage of goods by sea and multimodal transport - Key issues arising from the impacts of the Covid-19 pandemic</u>

Further work, including training activities are in preparation

Delays in documentation - impetus for more commercial parties to adopt **secure electronic solutions** that are already available and have been accepted by the market

D. Other legal and regulatory developments affecting transportation

1. Combating fraudulent registration and registries

UNCTAD participation in an IMO LEG intersessional correspondence group



2. Multimodal transport discussions at UNCITRAL and ESCAP

Multimodal transport - **key driver of sustainable development** - enabling effective use of existing capacities and infrastructure - promoting a better balance between transport modes across supply-chains

No uniform legal regime on multimodal transport into force internationally - existing framework complex jigsaw of international conventions for unimodal carriage, regional and sub-regional agreements, national laws, and standard term contracts – *lack of legal certainty and a need for costly evidentiary enquiries and litigation*

UNCTAD active participation in work at:

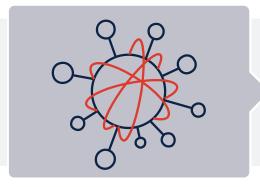
- ESCAP Harmonizing multimodal legal frameworks in Asia and the Pacific
- UNCITRAL preparatory work on negotiable multimodal transport documents

The Facilitation of Maritime Trade



Digitalization and automation of trade procedures such as Maritime Single Windows are catalysts for more efficient and paperless compliance processes at ports





Multilateral Agreements such as the WTO TFA and the IMO FAL Convention provide solid international standards to build automated systems while ensuring interconnectivity and interoperability





Building resilient and efficient logistic supply chains requires public-private dialogue. Cooperation from businesses involved in maritime trade and port operations through National Trade Facilitation Committees foster successful trade reforms









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