

Chapter 4

Key performance indicators for ports and the shipping fleet

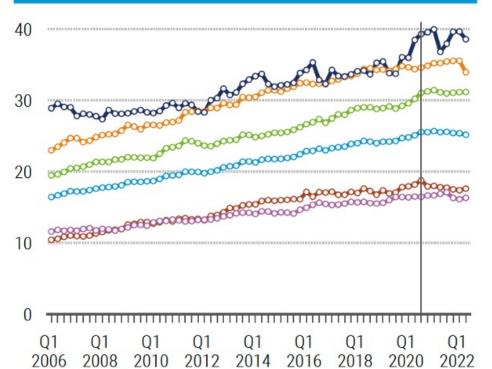


2022



COVID-19 caused reduced connectivity (mainly in Africa and LAC)





- Northern America
- Europe
- Asia and Oceania
- ─ World

→ Africa

Latin America and the Caribbean

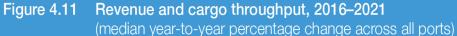
Source: UNCTAD, based on data provided by MDS Transmodal.

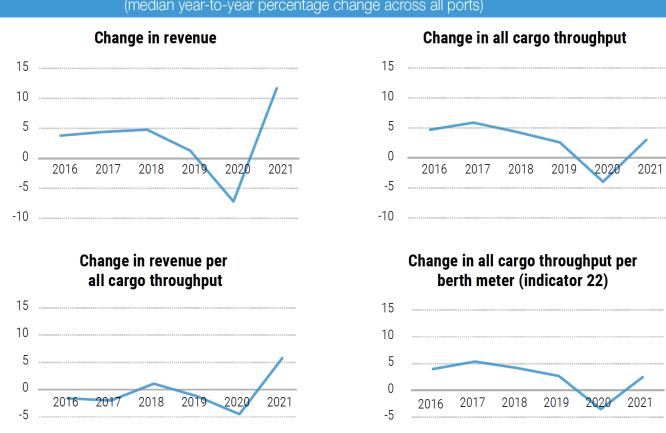
Note: Numbers are normalized by setting the maximum value across countries (i.e., value for China) as of the first quarter of 2006 to 100. For countries whose data are missing for a particular period due to a complete loss of liner shipping connections, such as Ukraine in the second quarter of 2022, their values are assumed to be zero.



Port authorities: signs of post-COVID 19 recovery

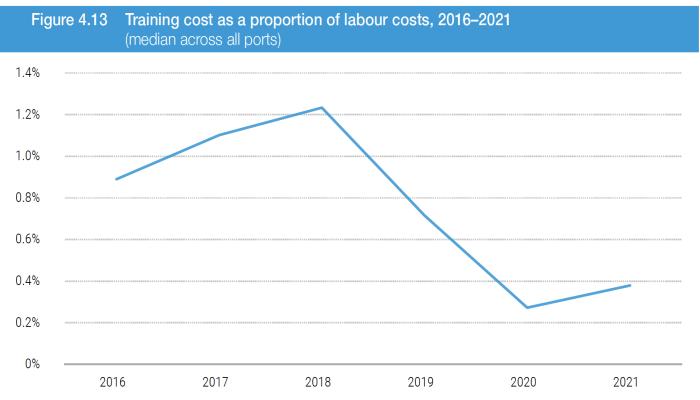






Source: UNCTAD Secretariat calculations, based on data from port entities reporting to the TRAINFORTRADE PPS platform.

Port authorities: less spending on training (going online)

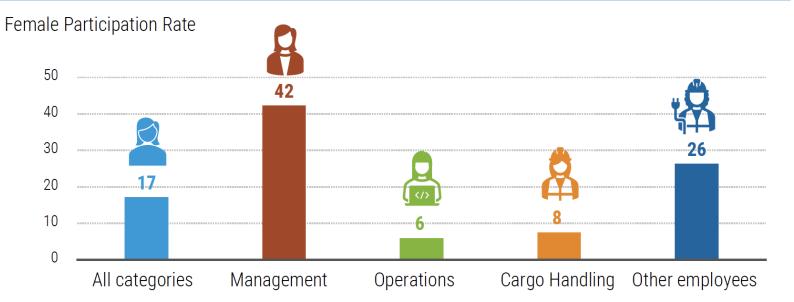




Source: UNCTAD Secretariat calculations, based on data from port entities reporting to the TRAINFORTRADE PPS platform.

Port authorities: female participation

Figure 4.14 Women's participation in port workforces, 2021 (median across all ports)





Source: UNCTAD Secretariat calculations, based on data from port entities reporting to the TRAINFORTRADE PPS platform.

UNITED NATIONS CONFERENCE ON TRADE AND DEVELOPMENT

UNCTAD TRAINFORTRADE
Port Performance
Scorecard



2022



Global port-related performance indicators

- 1. Liner Shipping Connectivity Index (LSCI) UNCTAD
- 2. Logistics Performance Index (LPI) World Bank (WB)
- 3. Global Competitiveness Index (GCI) World Economic Forum (WEF)
- 4. Ease of Doing Business Index (EDBI) International Finance Corporation/WB:

and many others from JOC Group, World Customs Organisation (WCO), Global Federation of Competitiveness Councils (GFCC), UNCTAD STAT, UN Comtrade Database, International Transport Forum (ITF) – OECD



Port systems across countries

Indonesia

- 30 main ports
- 3672 ports in total

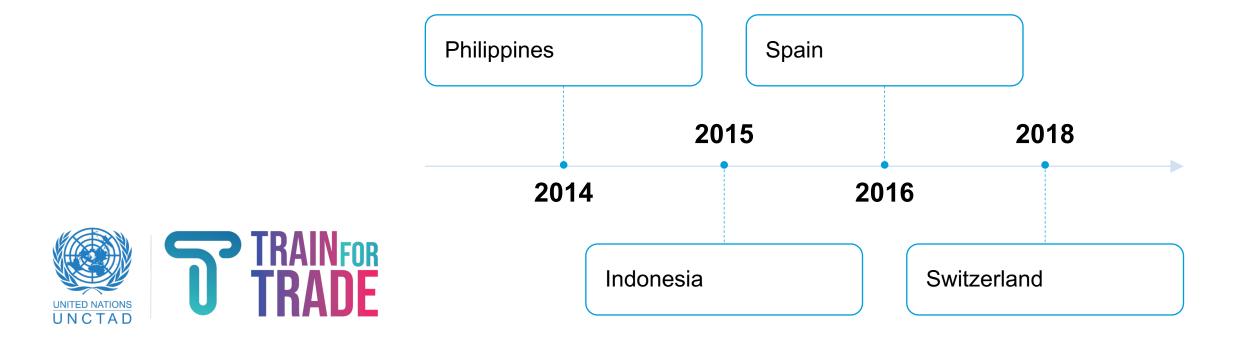


Ghana

- 2 main ports
- 70% of trade going through Tema







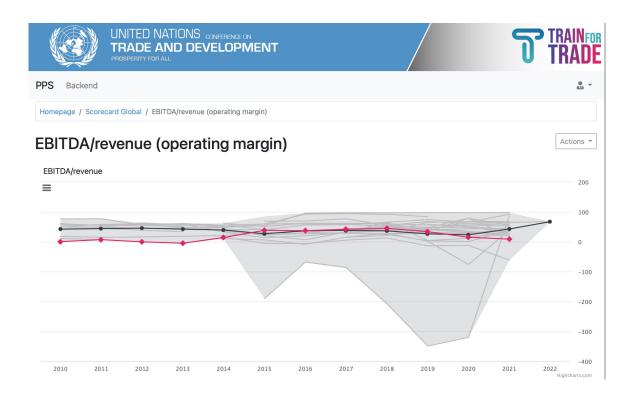
Port Performance Scorecard international events

Port Performance Scorecard advantages

- Indicators agreed by ports and used by them for
 - strategic planning
 - benchmarking and assessment
 - innovation
- Collected on a port level (countries with 1 or >100 ports)
- User friendly and secure platform for reporting
- Global and regional benchmarks
- Integrated data checks and analysis







Open-access demo also available at https://pps.unctad.org/

More information on

https://tft.unctad.org/thematic-areas/port-management/port-performance-scorecard/

Reach out to us at trainfortrade@unctad.org



Port Performance Scorecard demo

Thank you



Open registration and free of charge

Available in English, French and Spanish

More information on https://tft.unctad.org









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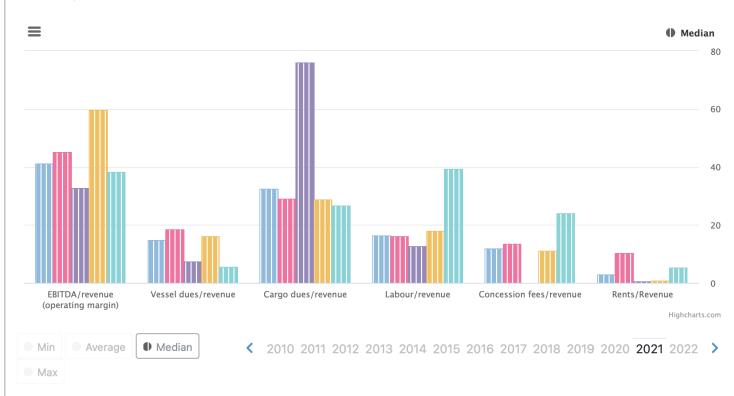
A demonstration version is available

Only public data resulting from statistical analyses can be accessed. A dummy Port Authority was created to enable the use of functionalities that depend on it (the data specific to this port is random).

Demo



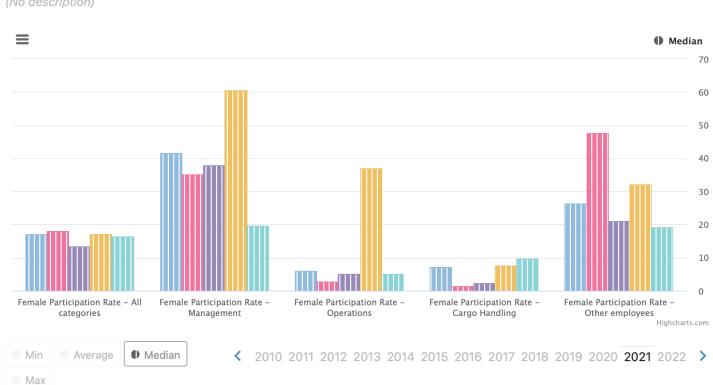
(No description)



Indicator		ScorecardGlobal	ScorecardEurope	Scorecard LatinAmerica	ScorecardAsia	ScorecardAfrica
EBITDA/revenue (operating margin)	•	41.3%	45.2%	32.8%	59.7%	38.3%
Vessel dues/revenue	•	14.7%	18.5%	7.3%	16.0%	5.4%
Cargo dues/revenue	•	32.6%	29.2%	75.9%	28.9%	26.7%
Labour/revenue	•	16.4%	16.0%	12.6%	18.1%	39.2%
Concession fees/revenue	•	11.9%	13.4%	0.0%	11.2%	23.9%



(No description)



Indicator		ScorecardGlobal	ScorecardEurope	Scorecard LatinAmerica	ScorecardAsia	ScorecardAfrica
Female Participation Rate - All categories	•	17.1%	18.0%	13.5%	17.0%	16.5%
Female Participation Rate - Management	•	41.7%	35.2%	37.9%	60.4%	19.7%
Female Participation Rate - Operations	•	5.9%	2.7%	5.2%	37.0%	5.1%
Female Participation Rate -	•	7.2%	1.4%	2.4%	7.5%	9.6%

Consistency check in progress.

Finance



Human resources





PPS Backend Homepage / Scorecard Global / EBITDA/revenue (operating margin) EBITDA/revenue (operating margin) Actions ▼ EBITDA/revenue 200 \equiv 100 -100 -200 -300 2010 2011 2012 2013 2014 2015 2016 2017 2018 2019 2020 2021 2022 Highcharts.com Showing: 2010 2011 2012 2013 2014 2015 2016 2017 2018 2019 2020 2021 2022

Scorecard Africa

Actions ▼

Consistency check in progress.

Finance

Analysis:		<	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	>
	Analysis:									•	~	~	~			

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		Ana	alysis (201	7 - 2021)	Ghana - (nority -Tema 🔻	Options *		
Indicator		N	Min	Max	2017	2018	2019	2020	2021
EBITDA/revenue (operating margin) Ranking: High to low	№	21	-75.9%	58.1%	38.5% 58.1% 1 of 4	41.3% 51.6% 1 of 4	32.0% 30.3% 3 of 4	15.0% 29.1% 2 of 5	38.3% 42.8% 1 of 4
Labour/revenue Ranking: Low to high	№ \$	24	12.7%	67.1%	29.4% 20.8% 2 of 5	26.4% 26.4% 3 of 5	30.1% 30.1% 3 of 5	35.9% 27.6% 2 of 5	39.2% 23.2% 1 of 4
Vessel dues/revenue Ranking: High to low	₩\$	20	0.0%	31.2%	12.0% 0.0% 5 of 5	6.2% 0.0% 4 of 4	6.8% 5.8% 3 of 4	6.0% 6.3% 2 of 4	5.4% 5.2% 3 of 3
Cargo dues/revenue Ranking: High to low	₩\$	19	0.0%	56.1%	25.2% 25.2% 3 of 5	19.8% 27.1% 1 of 4	26.1% 31.4% 2 of 4	25.4% 25.4% 2 of 3	26.7% 26.7% 2 of 3
Concession fees/revenue Ranking: High to low	₽	20	0.1%	77.1%	10.9% 15.2% 2 of 4	10.8% 14.3% 2 of 4	14.0% 14.6% 2 of 4	25.0% 5.1% 4 of 4	23.9% 4.2% 4 of 4
Rents/Revenue Ranking: High to low	₩ \$	21	1.6%	25.7%	5.0% 2.5% 5 of 5	6.3% 2.8% 4 of 4	7.1% 3.4% 3 of 4	6.3% 2.9% 4 of 4	5.3% 1.6% 4 of 4





PPS Backend Homepage / Scorecard Africa / EBITDA/revenue (operating margin) EBITDA/revenue (operating margin) Actions ▼ EBITDA/revenue 100 50 25 -25 -75 -100 2010 2011 2012 2013 2014 2015 2016 2017 2018 2019 2020 2021 2022 Highcharts.com Showing: 2010 2011 2012 2013 2014 2015 2016 2017 2018 2019 2020 2021 2022