Turkey
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TÜRKLİM Presentation

May, 2021

AGENDA

01 **About TURKLIM**

02 **World and Turkish Port Sector Statistics**

03 **Covid-19 Economic Impact Analysis for Ports in Turkey**

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Board Member - TÜRKLİM

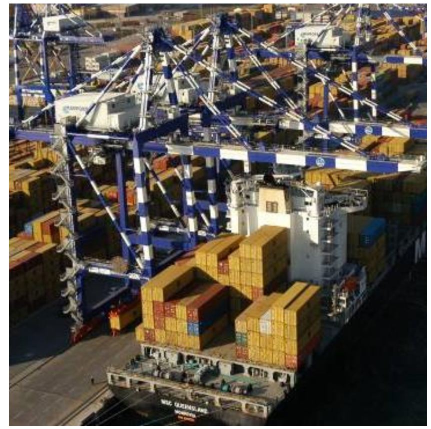
About TÜRKLİM

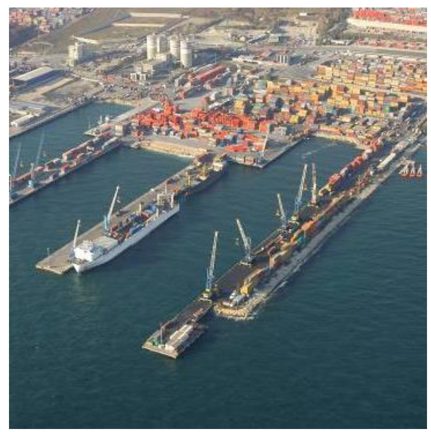
TÜRKLİM

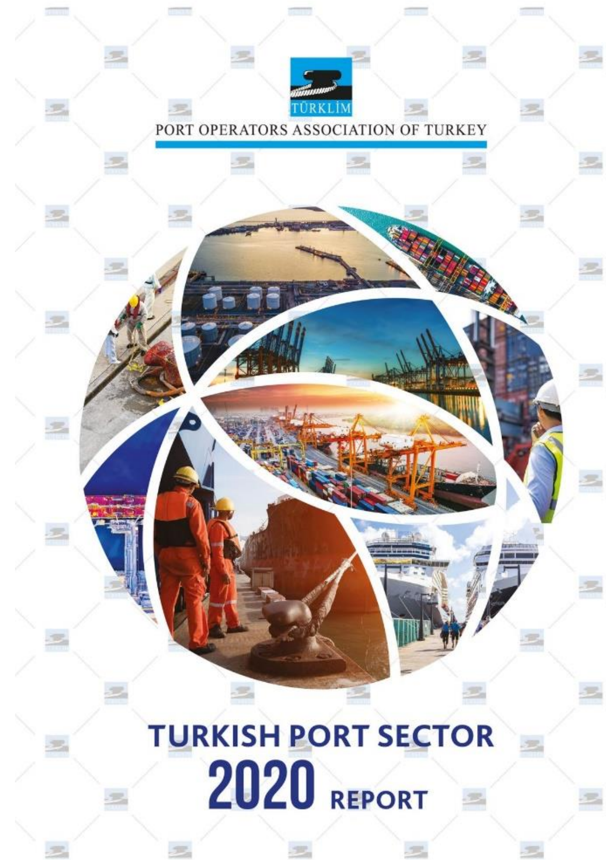
TÜRKİYE LİMAN İŞLETMECİLERİ DERNEĞİ

About TÜRKLİM

- Established in 1996 to find solutions to the sectoral problems of the private sector port and pier operators.
- Member of International Association of Ports and Harbors (IAPH)
- 69 member ports
- Turkish Port Sector Report is published annually.







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Turkish Port Sector

TÜRKLİM

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Turkey's ports, which are the main pipelines of international trade, have increased their connectivity in recent years

Turkish Maritime Industry Through Figures

137
of 197 ports are private ports

%96
Share of TÜRKLİM in total container handling

%75
Share of TÜRKLİM in total cruise handling

%61
Share of maritime transport in Turkey's total trade by mode of transport

%75
Increase in the LSCI score in the last 10 years*

69
Number of TÜRKLİM member ports

%68
Share of TÜRKLİM in total general cargo and dry bulk cargo handling

%100
Share of TÜRKLİM in total liquid bulk chemical handling

%72
of Ports' Cargo Handling Catering To Turkey's Exports And Imports

#9
among the countries with the highest LSCI increase in the last 10 years

Source: İMEAK, Turkstat, TÜRKLİM, UNCTAD, PwC Analysis
**LSCI: Liner Shipping Connectivity Index*

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Ports industry estimated contribution to GDP is TRY46.6 billion while supporting approximately 228,000 jobs in 2018

The aggregate economic impact through ***turnover***

96.3

billion TL

The aggregate economic impact through ***value added***

27,7-46,6

billion TL

The aggregate economic impact through ***employment***

228,223 people

The aggregate economic impact through ***income***

9.7

billion TL

Source: GBS, WIOD, PwC Analysis

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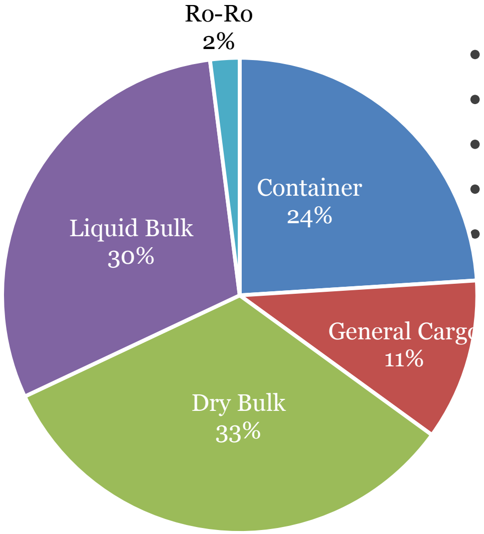
2020 Volume by Cargo Types (Ton)

Cargo Volume Ratio by Cargo Types at Turklim Ports in 2020 (Ton)



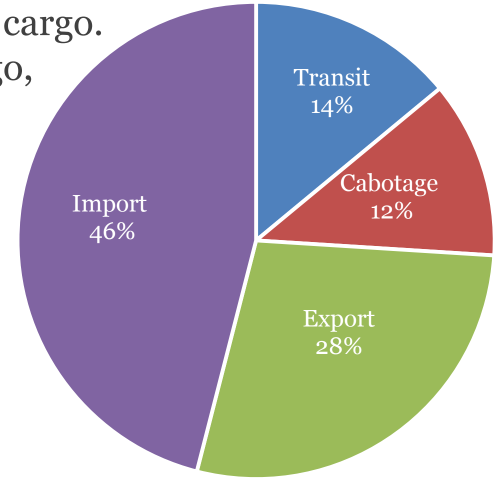
- 33% of dry bulk cargo,
- 30% is liquid bulk cargo,
- 24% is container cargo,
- 11% is general cargo,
- 2% is Ro-Ro cargo

	2019	2020	Change
Dry Bulk	151,394,832	164,479,123	8.6%
General Cargo	52,502,866	54,627,400	4.0%
Liquid Bulk	154,553,854	146,652,396	-5.1%
Container	118,673,718	121,710,948	2.6%
Ro-Ro	7,041,191	9,172,785	30.3%
Total	484,166,461	496,642,652	2.6%

2020 Cargo Volume by categories (Ton)

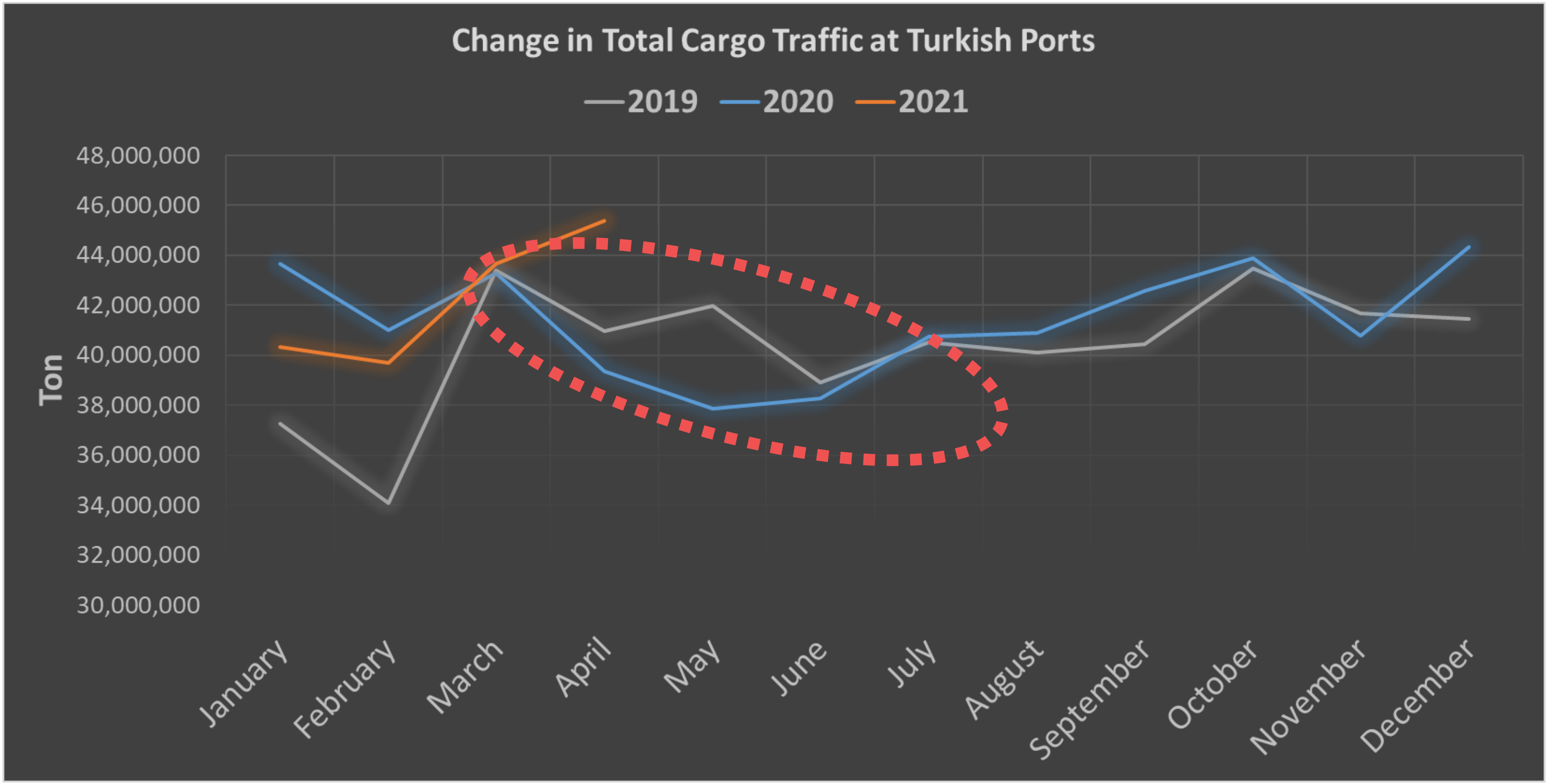
Cargo Volume Ratio by Categories at Turklim Ports in 2020 (Ton)

- 74% is foreign trade cargo.
- 12% is cabotage cargo,
- 14% is transit cargo

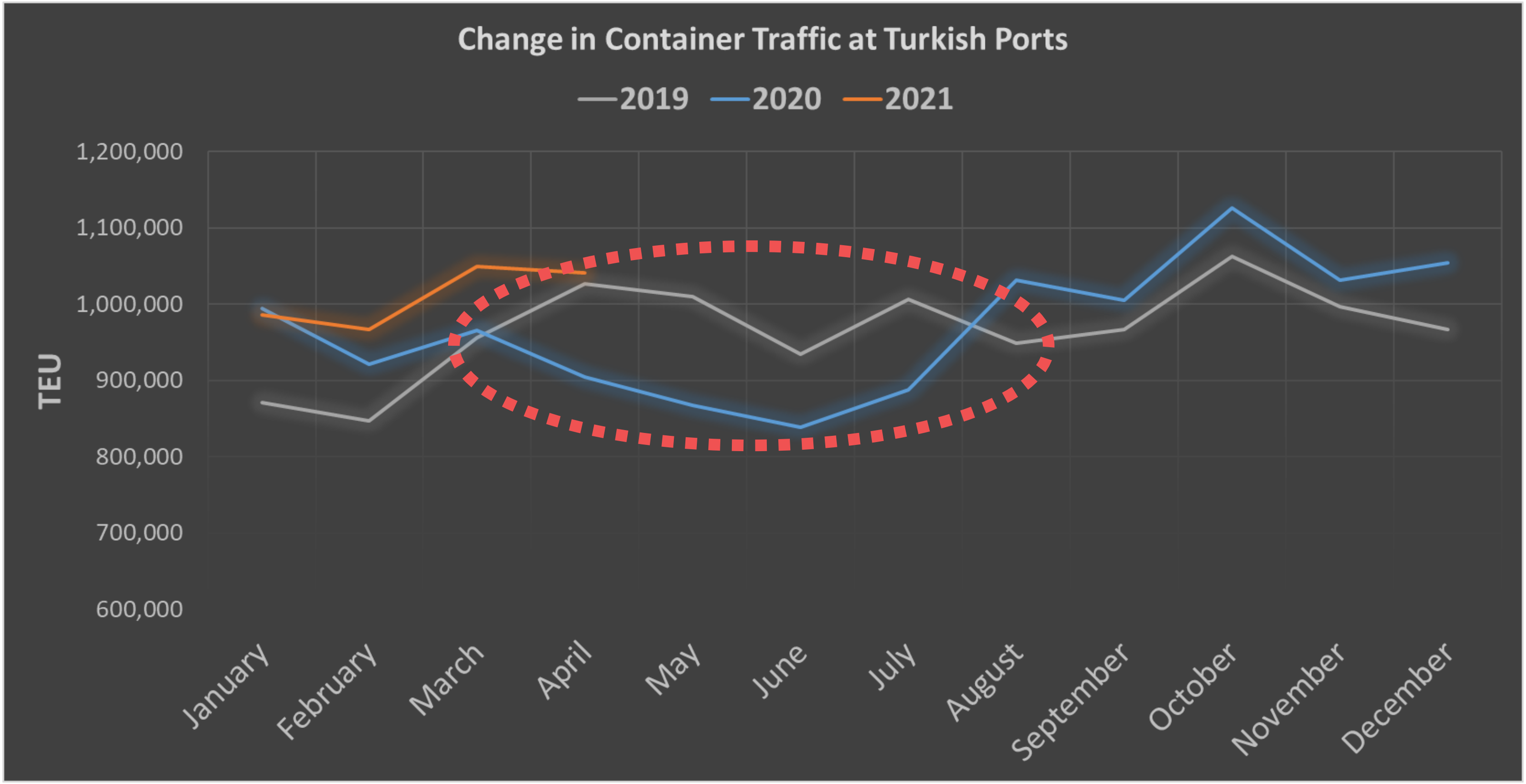


	Export	Import	Cabotage	Transit	Total
2011	81,776,692	173,546,398	43,644,483	64,379,150	363,346,723
2012	91,307,486	192,474,928	46,919,387	56,724,431	387,426,232
2013	89,553,990	187,781,615	53,937,938	53,657,215	384,930,758
2014	88,544,792	194,771,428	50,731,578	49,072,821	383,120,619
2015	92,152,622	208,326,308	52,472,668	63,085,097	416,036,695
2016	94,805,120	215,132,519	53,300,216	66,963,307	430,201,162
2017	113,692,068	233,656,024	60,396,079	63,429,725	471,173,896
2018	110,424,635	218,544,820	59,555,845	71,628,260	460,153,560
2019	131,676,578	221,404,812	56,112,724	74,974,298	484,168,412
2020	138,902,823	226,539,472	58,797,384	72,402,972	496,642,651
2019/2020	5.5%	2.3%	4.8%	-3.4%	2.6%
CAGR	5.4%	2.7%	3.0%	1.2%	3.2%

Total Cargo Traffic



Container Traffic



World

World maritime transport on the basis of freight groups (Ton)

	2016	2017	2018	2019	2020	2019-2020 Change	CAGR 2016/2020
Dry Bulk	4,903	5,091	5,224	5,281	5,098	-2.9%	0.8%
Liquid Bulk	3,016	3,08	3,086	3,053	2,813	-7.4%	-1.4%
Conatainer	1,733	1,833	1,844	1,886	1,840	-2.0%	1.2%
Other	1,132	1,191	1,237	1,263	1,259	-3.2%	2.1%
Gas	355	383	416	455	485	1.5%	6.4%
Total	**11,139**	**11,578**	**11,807**	**11,939**	**11,495**	-3.8%	0.6%

Container transport shares on the basis of routes (TEU)

	2016	2017	2018	2019	2020	2019-2020 Change	CAGR 2016/2020
Main Line	53.7	56.2	58.5	59.4	58.3	-1.5%	1.7%
Non-Main Line East/West	23.9	24.8	21.0	20.5	19.3	-5.9%	-4.2%
North/South	30.8	32.9	32.2	32.3	31.6	-2.2%	0.5%
Intra Regional/Others	73.7	78.5	82.4	85.5	83.9	-0.9%	2.6%
Total	182.1	192.4	193.6	197.6	193.0	-1.9%	1.2%

GLOBAL ECONOMY OVERVIEW

Global growth projected as 6,0% in 2021

After an estimated contraction of –3.3% in 2020, the global economy is projected to grow at 6% in 2021, moderating to 4.4% in 2022 according to World Economic Outlook April 2021. Thus 2021 and 2022 forecasts are revised up relatively 0,8% and 0,2% stronger than in the October 2020 WEO forecast.

Delaying Europe's economic recovery, but consumer spending is ready to surge.
A full recovery will take until late 2022 in the UK & FR and mid-2023 in IT & ES.

The US economy is heating up—2021 growth will be the fastest since 1984.
US real GDP growth expected to grow 6.4% in 2021 according to strong data on consumer spending, an acceleration in the vaccination campaign, and the relaxation of containment measures by many states.

After an initial surge, mainland China's economy faces a protracted slowdown.
GDP growth is projected to pick up 7.9% in 2021 as momentum shifts from exports and real estate investment to consumer spending and investment in manufacturing. Growth will slow to 5.7% in 2022

First quarter of 2021 shows significant deceleration in economic activity and even contraction for some of the region's major countries.
In addition to the third wave of COVID-19 virus infections and delays in inoculations, another threat to economic recovery is high inflation

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World and Europe

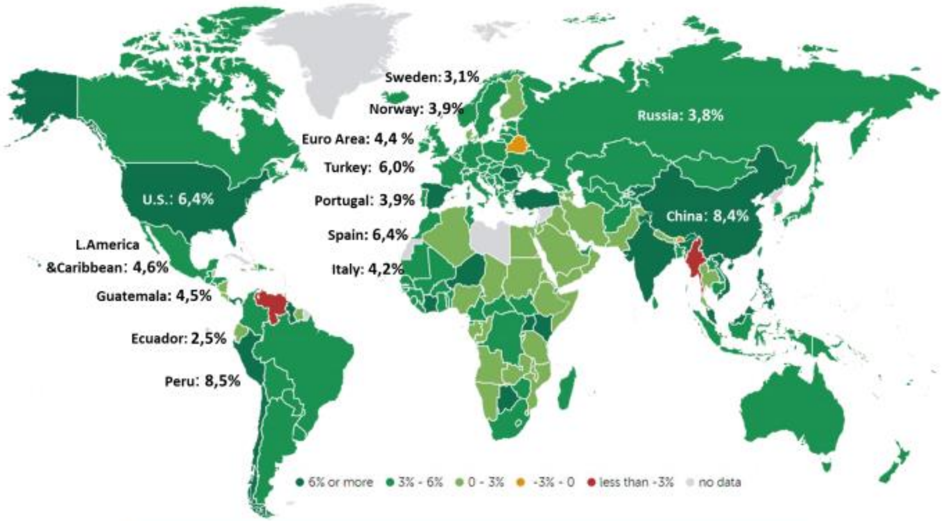
Port data in countries within the European Economic Area (Ton)

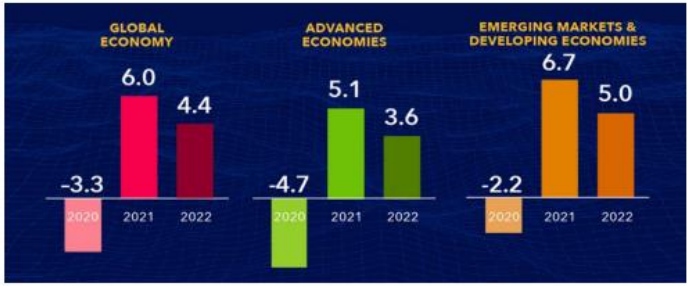
	Year	2015	2016	2017	2018	2019	CAGR 2015/2019
1	Netherlands	594,272	588,772	595,810	604,542	607,527	0.4%
2	Italy	458,020	461,990	475,164	501,958	508,074	2.1%
3	Spain	447,048	451,255	485,805	497,812	496,912	2.1%
4	United Kingdom	496,708	484,048	481,815	483,305	486,094	-0.4%
5	**Turkey**	**411,783**	**425,853**	**465,981**	**454,370**	**478,116**	3.0%
6	France	297,880	292,160	302,840	308,629	302,288	0.3%
7	Germany	295,918	297,137	299,189	296,181	294,533	-0.1%
8	Belgium	241,459	253,543	257,865	270,317	277,783	2.8%
9	Norway	193,605	200,143	210,649	215,438	211,207	1.8%
10	Greece	167,036	175,100	181,261	190,523	194,468	3.1%
	European Economic Area	4,041,230	4,069,206	4,179,485	4,290,200	4,292,220	1.2%
	World Total	10,823,000	11,139,000	11,578,000	11,807,000	11,939,000	2.0%

Container handling based on countries (TEU)

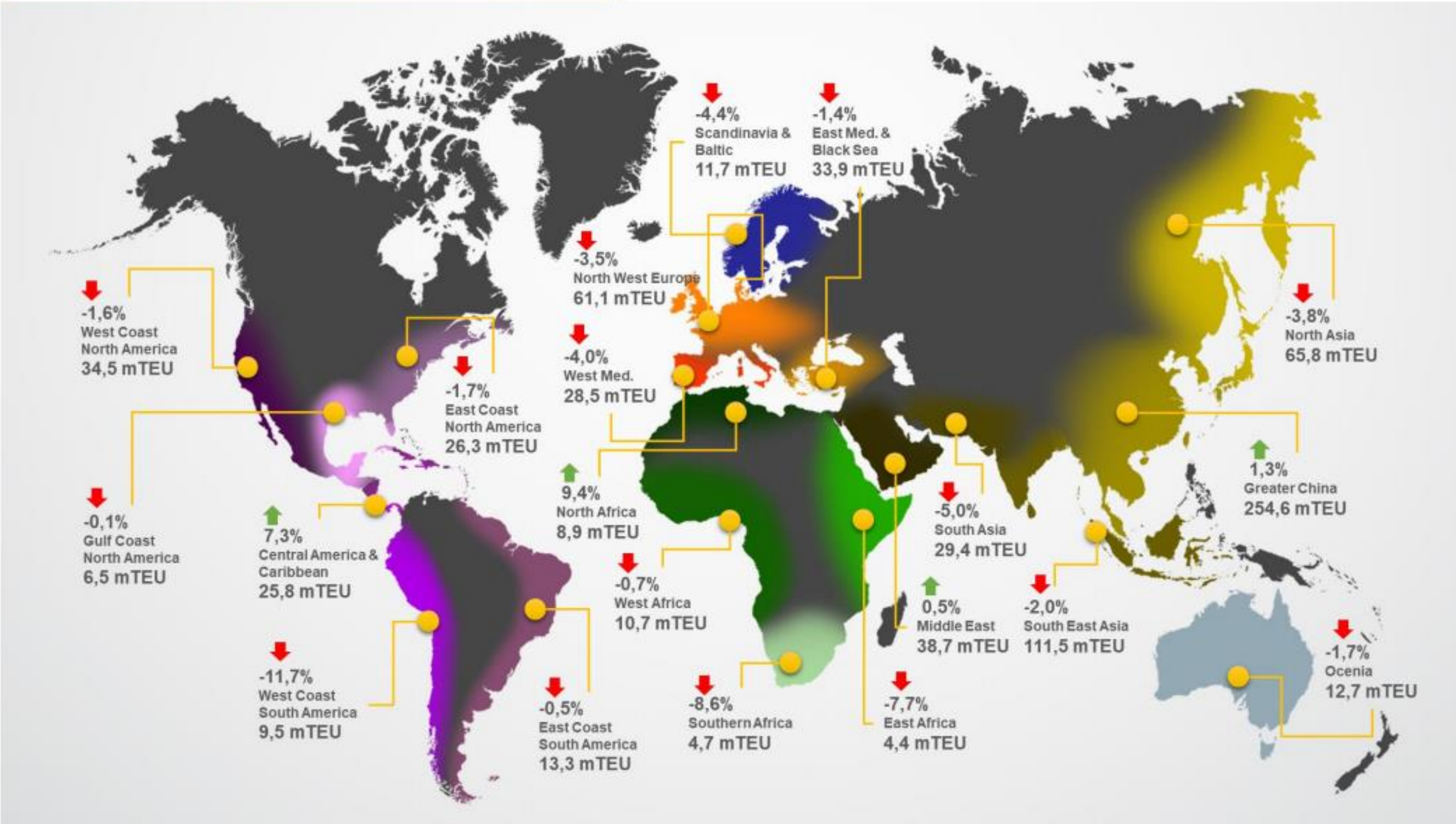
	Year	2015	2016	2017	2018	2019	CAGR 2015/2019
1	China	193,734,000	197,849,000	222,155,820	233,201,600	242,030,000	4.6%
2	United States of America	47,886,446	48,436,473	52,132,844	54,776,341	55,518,878	3.0%
3	Singapore	31,710,200	31,688,000	33,667,000	37,388,000	37,983,000	3.7%
4	Korea, Republic of	25,477,000	26,373,000	27,415,800	28,867,900	28,955,300	2.6%
5	Malaysia	24,012,700	24,570,000	23,784,100	24,956,000	26,215,100	1.8%
6	Japan	20,138,396	20,319,000	21,962,500	22,610,460	21,708,860	1.5%
7	Germany	19,238,700	19,420,700	19,718,533	19,706,500	19,596,415	0.4%
8	United Arab Emirates	21,233,200	20,413,200	19,128,300	19,054,000	19,171,000	-2.0%
9	China, Hong Kong SAR	20,114,000	19,580,000	20,760,000	19,641,000	18,360,000	-1.8%
10	Spain	14,245,394	14,941,394	15,979,051	17,154,760	17,372,962	4.0%
11	India	11,883,003	12,083,010	15,429,000	16,946,200	17,053,200	7.5%
12	Taiwan	14,491,800	14,865,000	14,911,000	15,321,600	15,298,300	1.1%
13	Netherlands	12,407,000	12,556,000	13,911,000	14,696,000	14,986,800	3.9%
14	Indonesia	12,031,700	12,431,700	12,829,600	14,060,600	14,763,630	4.2%
15	Viet Nam	11,089,557	11,086,142	11,965,614	13,008,503	13,658,928	4.3%
16	Belgium	11,237,600	11,459,909	11,967,553	12,686,187	13,570,787	3.8%
17	**Turkey**	**8,297,985**	**8,851,485**	**10,094,700**	**10,887,700**	**11,679,100**	7.1%
	World	692,432,934	703,518,114	757,122,385	795,735,911	811,215,378	3.2%

Global growth projected as 6,0 percent in 2021at the April 2021 World Economic Outlook (WEO) forecast.





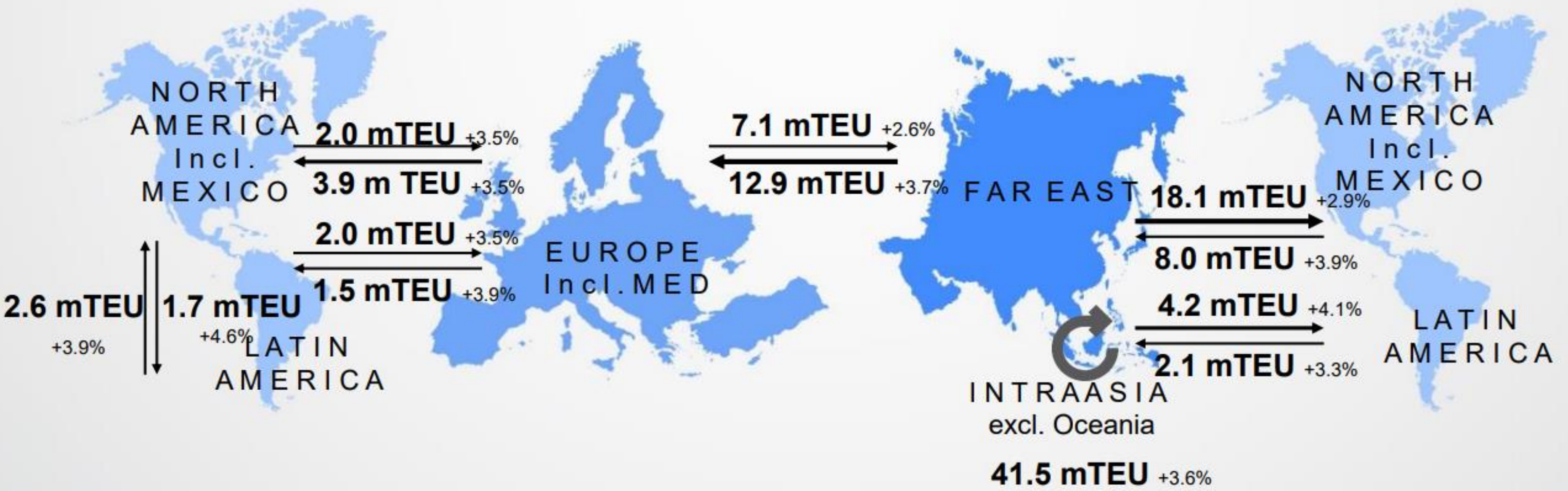
MAIN TRADE LANES



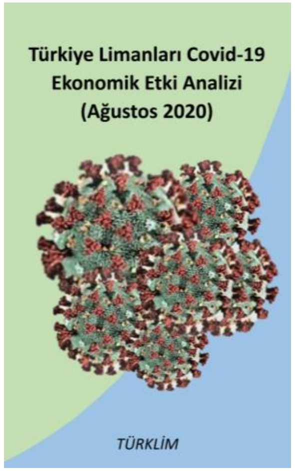
"In 2020 World Container throughput realized as 793 million Teu which is 1% below from the previous year."

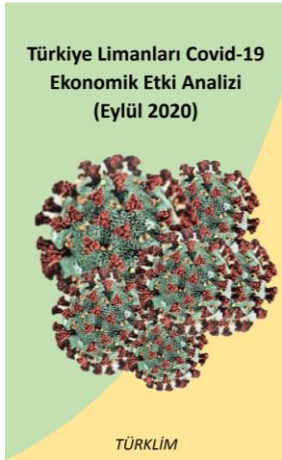
MAIN TRADE LANES

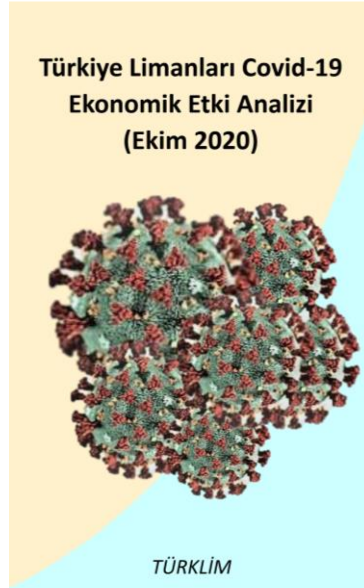
MARKET VOLUME 2020 - 2024

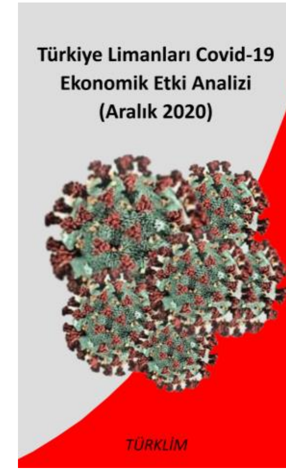


GLOBAL CONTAINER TRADE **147.6 mTEU 2020e** +3.7% CAGR 2021e-2024e







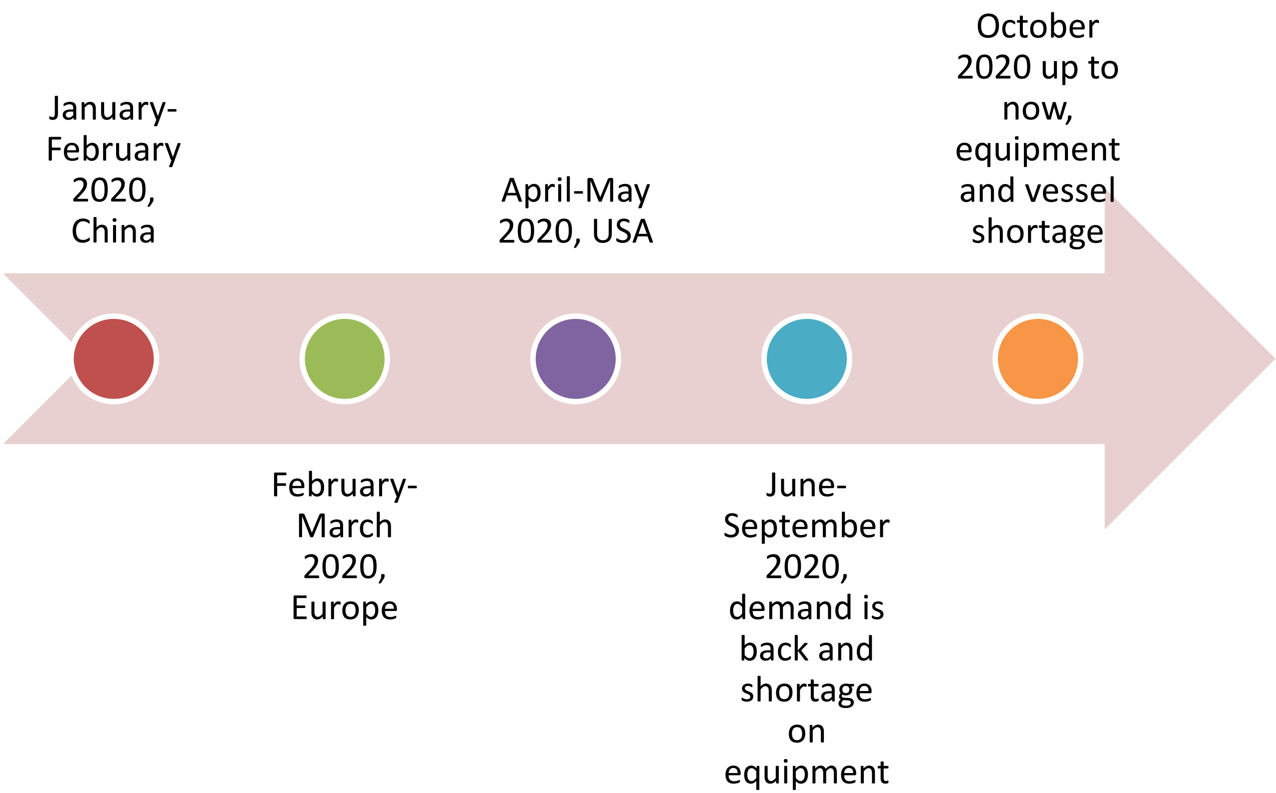


Covid-19 Economic Impact Analysis for Ports in Turkey

The study was published monthly
between March and December 2020.

Covid-19 Economic Impact Analysis for Ports in Turkey

Timeline of the Covid Impact to Maritime Shipping



- Dwell time increased
- Trucking was the problem
- Blank sailings
- Long waiting time on HUBs and no accepting on bookings
- Trade moved to short sea
- Increased freight rates with limited capacities
- Increased vessel chartering costs
- Increased fuel cost
- De-Containerization, cargo moved to break bulk / Baltic index is history high

Covid-19 Economic Impact Analysis for Ports in Turkey

The Aim of the Study

- To analyse covid 19 impacts on:

Ports with decline in vessel calls
Ports with extra restrictions on vessels
Port call delays due to extra procedures
Hinterland transport delays
Ports facing high capacity utilisation of warehousing
Ports facing shortages in port-related workers

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Covid-19 Economic Impact Analysis for Ports in Turk

Methodology

- The survey on the impact of COVID-19 is conducted.
- Data collected between March and December 2020.

TÜRKLİM
TÜRKİYE LİMAN İŞLETMECİLERİ DERNEĞİ

Covid-19 Liman Ekonomik Etki Araştırması

ARALIK 2020 Dönemi

Bu çalışma Covid-19 küresel salgının Türkiye'deki liman işletmelerine olan ekonomik etkisini ölçmeyi amaçlamaktadır. Mart 2020'den bu yana her ay yapılan bu çalışmanın sonucu üyelerimize ve kamuoyuna duyurulmaktadır. Aralık ayı için oluşturulan bu anket formunu 8 Ocak 2021 Cuma günü saat 18:00'a kadar doldurmanızı rica ederiz.

* Gerekli

1-Limanınız hangi bölgede yer alıyor? *

- Doğu Karedeniz
- Batı Karadeniz
- Kuzey Doğu Marmara
- Kuzey Batı Marmara
- Güney Marmara
- Kuzey Ege
- Güney Ege
- Batı Akdeniz
- Doğu Akdeniz

2-Aralık ayında uğrak yapan gemi sayısını (Kasım 2020'ye göre) nasıl değerlendirirsiniz? *

	Bu gemi tipi bize yanaşmıyor	50'den fazla arttı	%25-%50 arttı	%5-%25 arttı	Her zamanki gibiydi	%5-%25 azaldı	%25-%50 azaldı	%50'den fazla azaldı
Kuru Dökme Yük Gemisi								

Covid-19 Economic Impact Analysis for Ports in Turkey

Overview of the Results

		2020									
		March	April	May	June	July	August	September	October	November	December
Ports with decline in vessel calls (last month compared to normal conditions, %)	Dry Bulk Ship	23%	46%	42%	36%	33%	45%	17%	47%	47%	24%
	Liquid Bulk Ship	33%	19%	43%	27%	20%	31%	22%	8%	0%	18%
	General Cargo Ship	15%	30%	21%	23%	13%	21%	24%	48%	35%	22%
	Container Ship	8%	50%	47%	38%	20%	0%	9%	0%	25%	22%
	Ro-Ro Ship	43%	78%	11%	10%	13%	33%	29%	0%	13%	14%
	Cruise Ship	80%	80%	25%	25%	0%	0%	0%	0%	0%	33%
Ports with extra restrictions on vessels (last month, %)	Dry Bulk Ship	96%	96%	48%	27%	20%	15%	17%	11%	29%	35%
	Liquid Bulk Ship	73%	88%	43%	27%	27%	15%	18%	21%	38%	17%
	General Cargo Ship	96%	93%	41%	23%	19%	14%	19%	9%	20%	33%
	Container Ship	85%	100%	40%	15%	0%	7%	17%	0%	13%	11%
	Ro-Ro Ship	71%	82%	44%	10%	25%	10%	38%	13%	38%	43%
	Cruise Ship	67%	100%	50%	0%	0%	0%	0%	0%	0%	25%
Port call delays due to extra procedures (last month, %)	Dry Bulk Ship	62%	61%	41%	36%	13%	15%	6%	5%	24%	18%
	Liquid Bulk Ship	53%	63%	21%	17%	0%	0%	0%	0%	0%	0%
	General Cargo Ship	58%	52%	38%	27%	19%	9%	5%	4%	20%	17%
	Container Ship	54%	62%	40%	23%	10%	14%	8%	0%	11%	0%
	Ro-Ro Ship	44%	60%	11%	10%	25%	22%	25%	29%	25%	29%
	Cruise Ship	50%	100%	50%	0%	25%	0%	0%	50%	0%	0%
Hinterland transport delays (last month compared to normal conditions, %)	Rail Servicses	57%	56%	18%	0%	0%	20%	0%	0%	0%	25%
	Trucks (Cross Border)	47%	47%	20%	11%	0%	6%	0%	0%	15%	9%
	Trucks (in/out port area)	23%	29%	17%	13%	9%	11%	4%	11%	11%	5%
Ports facing high capacity utilisation of warehousing and storage facilities (last week, %)	Foodstuffs	0%	25%	17%	27%	0%	0%	14%	0%	20%	29%
	Essential Medical Supplies	17%	50%	25%	22%	0%	0%	0%	17%	25%	0%
	Dry Bulk	17%	23%	22%	27%	0%	10%	35%	20%	18%	24%
	Liquid Bulk	25%	23%	36%	27%	9%	25%	13%	14%	14%	20%
Ports facing shortages in port-related workers (last week, %)	Dock workers (Port Staff)	19%	37%	14%	3%	4%	10%	0%	3%	21%	0%
	Dock workers (Subcontractor)	20%	43%	21%	3%	13%	7%	4%	10%	14%	0%
	Office Stuff	28%	39%	14%	3%	4%	6%	0%	3%	21%	0%
	Port Authority	52%	58%	32%	0%	0%	0%	11%	13%	24%	23%
	Customs Services	47%	48%	14%	3%	0%	0%	9%	16%	26%	5%
	Truck driver (Logistics companies)	11%	28%	4%	3%	5%	5%	0%	10%	12%	0%
	Agency staff	21%	42%	7%	7%	0%	0%	5%	4%	17%	0%

Covid-19 Economic Impact Analysis for Ports in Turkey

Results of the Study: 1/6

Ports with decline in vessel calls (last month compared to normal conditions, %)

	2020									
	March	April	May	June	July	August	September	October	November	December
Dry Bulk Ship	23%	46%	42%	36%	33%	45%	17%	47%	47%	24%
Liquid Bulk Ship	33%	19%	43%	27%	20%	31%	22%	8%	0%	18%
General Cargo Ship	15%	30%	21%	23%	13%	21%	24%	48%	35%	22%
Container Ship	8%	50%	47%	38%	20%	0%	9%	0%	25%	22%
Ro-Ro Ship	43%	78%	11%	10%	13%	33%	29%	0%	13%	14%
Cruise Ship	80%	80%	25%	25%	0%	0%	0%	0%	0%	33%

Covid-19 Economic Impact Analysis for Ports in Turkey

Results of the Study: 2/6

Ports with extra restrictions on vessels (last month, %)										
	2020									
	March	April	May	June	July	August	September	October	November	December
Dry Bulk Ship	96%	96%	48%	27%	20%	15%	17%	11%	29%	35%
Liquid Bulk Ship	73%	88%	43%	27%	27%	15%	18%	21%	38%	17%
General Cargo Ship	96%	93%	41%	23%	19%	14%	19%	9%	20%	33%
Container Ship	85%	100%	40%	15%	0%	7%	17%	0%	13%	11%
Ro-Ro Ship	71%	82%	44%	10%	25%	10%	38%	13%	38%	43%
Cruise Ship	67%	100%	50%	0%	0%	0%	0%	0%	0%	25%

Covid-19 Economic Impact Analysis for Ports in Turkey

Results of the Study: 3/6

Port call delays due to extra procedures (last month, %)

	2020									
	March	April	May	June	July	August	September	October	November	December
Dry Bulk Ship	62%	61%	41%	36%	13%	15%	6%	5%	24%	18%
Liquid Bulk Ship	53%	63%	21%	17%	0%	0%	0%	0%	0%	0%
General Cargo Ship	58%	52%	38%	27%	19%	9%	5%	4%	20%	17%
Container Ship	54%	62%	40%	23%	10%	14%	8%	0%	11%	0%
Ro-Ro Ship	44%	60%	11%	10%	25%	22%	25%	29%	25%	29%
Cruise Ship	50%	100%	50%	0%	25%	0%	0%	50%	0%	0%

Covid-19 Economic Impact Analysis for Ports in Turkey

Results of the Study: 4/6

Hinterland transport delays (last month compared to normal conditions, %)										
	2020									
	March	April	May	June	July	August	September	October	November	December
Rail Servicses	57%	56%	18%	0%	0%	20%	0%	0%	0%	25%
Trucks (Cross Border)	47%	47%	20%	11%	0%	6%	0%	0%	15%	9%
Trucks (in/out port area)	23%	29%	17%	13%	9%	11%	4%	11%	11%	5%

Covid-19 Economic Impact Analysis for Ports in Turkey

Results of the Study: 5/6

Ports facing high capacity utilisation of warehousing and storage facilities (last week, %)										
	2020									
	March	April	May	June	July	August	September	October	November	December
Foodstuffs	0%	25%	17%	27%	0%	0%	14%	0%	20%	29%
Essential Medical Supplies	17%	50%	25%	22%	0%	0%	0%	17%	25%	0%
Dry Bulk	17%	23%	22%	27%	0%	10%	35%	20%	18%	24%
Liquid Bulk	25%	23%	36%	27%	9%	25%	13%	14%	14%	20%

Covid-19 Economic Impact Analysis for Ports in Turkey

Results of the Study: 6/6

Ports facing shortages in port-related workers (last week, %)										
	2020									
	March	April	May	June	July	August	September	October	November	December
Dock workers (Port Staff)	19%	37%	14%	3%	4%	10%	0%	3%	21%	0%
Dock workers (Subcontractor)	20%	43%	21%	3%	13%	7%	4%	10%	14%	0%
Office Stuff	28%	39%	14%	3%	4%	6%	0%	3%	21%	0%
Port Authority	52%	58%	32%	0%	0%	0%	11%	13%	24%	23%
Customs Services	47%	48%	14%	3%	0%	0%	9%	16%	26%	5%
Truck driver (Logistics companies)	11%	28%	4%	3%	5%	5%	0%	10%	12%	0%
Agency staff	21%	42%	7%	7%	0%	0%	5%	4%	17%	0%


Thank You