



The Intra-Mediterranean Container Trades 2023



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The intra-Mediterranean Container Trades 2023

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Covering container shipping services dedicated to the Mediterranean and connect one or more of:

Southwest Europe

The Adriatic

The Aegean

The Black Sea

The Levant

The Maghreb



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Front cover: View of Piraeus Container Terminal, Greece (Source: <https://www.pct.com.gr/fotografies>)

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Service data collection and Annual Trade Capacity analyses for this study were undertaken in the third quarter of 2023.



TABLE OF CONTENTS

- Table of Contents..... 4**
- List of Tables..... 10**
- List of Figures..... 12**
- 1 Introduction..... 14**
 - 1.1 Geography – defining the Mediterranean..... 14
 - 1.2 Selecting the services 14
 - 1.3 Individual Mediterranean trades..... 14
 - 1.4 Merchandise trade and economies..... 16
 - 1.5 Disasters, natural and un-natural..... 17
 - Earthquake and floods*..... 17
 - Negligence and belligerence*..... 17
- 2 Container Liner Carriers..... 20**
 - 2.1 Overview..... 20
 - 2.2 Competition: Herfindahl–Hirschman Index..... 20
 - 2.3 Changes from the previous survey 21
 - Carriers entering*..... 22
 - Carriers leaving*..... 22
 - Carrier capacity and other changes*..... 23
 - 2.4 Intra-Mediterranean trade related carrier profiles 25
 - Carrier profile 1: Admiral Container Lines* 25
 - Carrier profile 2: Akkon Lines*..... 25
 - Carrier profile 3: Arcoship*..... 26
 - Carrier profile 4: Arkas*..... 26
 - Carrier profile 5: Blue Ice Lines* 27
 - Carrier profile 6: Borchard Lines* 27
 - Carrier profile 7: CMA CGM* 28
 - Carrier profile 8: CNAN Med* 29
 - Carrier profile 9: CoscoSL* 29
 - Carrier profile 10: CTN (Compagnie Tunisienne de Navigation)* 30
 - Carrier profile 11: DFDS A/S*..... 31
 - Carrier profile 12: El Kenz* 31
 - Carrier profile 13: Evergreen* 32
 - Carrier profile 14: FESCO* 32
 - Carrier profile 15: Global Feeder* 33
 - Carrier profile 16: Hapag-Lloyd* 33
 - Carrier profile 17: JSV Logistic* 34
 - Carrier profile 18: Maersk (SeaLand)*..... 35
 - Carrier profile 19: Maghreb Container International* 36
 - Carrier profile 20: Marfret* 36
 - Carrier profile 21: Medkon Lines*..... 37
 - Carrier profile 22: Megamar*..... 37
 - Carrier profile 23: Messina Line*..... 38
 - Carrier profile 24: Milaha* 38

Carrier profile 25: MSC	39
Carrier profile 26: ONE (Ocean Network Express)	40
Carrier profile 27: Sahel Line.....	41
Carrier profile 28: Salamis Lines	41
Carrier profile 29: SBS Shipping	42
Carrier profile 30: Sidra Line	42
Carrier profile 31: T.O. Delta.....	42
Carrier profile 32: Tarros	43
Carrier profile 33: Turkon Line	44
Carrier profile 34: Unifeeder (Unimed).....	44
Carrier profile 35: Unity LLC.....	45
Carrier profile 36: WEC Lines	45
Carrier profile 37: White Line.....	46
Carrier profile 38: X-Press Feeders.....	46
Carrier profile 39: Yang Ming	47
Carrier profile 40: ZIM	47
3 Container shipping services	49
3.1 Overview.....	49
3.2 Roundtrip Annual Trade Capacity evolution	49
3.3 Service summaries by main route	50
<i>Services connecting the West and East Mediterranean</i>	<i>50</i>
<i>Services covering the East Mediterranean only.....</i>	<i>50</i>
<i>Services covering the West Mediterranean only</i>	<i>50</i>
4 East Mediterranean-West Mediterranean services	52
4.1 Southwest Europe-Adriatic.....	52
<i>Overview.....</i>	<i>52</i>
<i>Container shipping services</i>	<i>52</i>
<i>Container liner carriers</i>	<i>52</i>
<i>Mediterranean ports called</i>	<i>53</i>
<i>Carriers' port patronage</i>	<i>53</i>
<i>Service grids.....</i>	<i>54</i>
4.2 Southwest Europe-Aegean	57
<i>Overview.....</i>	<i>57</i>
<i>Container shipping services</i>	<i>57</i>
<i>Container liner carriers</i>	<i>57</i>
<i>Mediterranean ports called</i>	<i>58</i>
<i>Carriers' port patronage.....</i>	<i>59</i>
<i>Service grids.....</i>	<i>61</i>
4.3 Southwest Europe-Black Sea	63
<i>Overview.....</i>	<i>63</i>
<i>Container shipping services</i>	<i>63</i>
<i>Container liner carriers</i>	<i>63</i>
<i>Mediterranean ports called</i>	<i>63</i>
<i>Carriers' port patronage.....</i>	<i>64</i>
<i>Service grids.....</i>	<i>64</i>
4.4 Southwest Europe-Levant	66
<i>Overview.....</i>	<i>66</i>
<i>Container shipping services</i>	<i>66</i>
<i>Container liner carriers</i>	<i>66</i>
<i>Mediterranean ports called</i>	<i>67</i>
<i>Carriers' port patronage.....</i>	<i>68</i>
<i>Service grids.....</i>	<i>69</i>



4.5	Adriatic-Maghreb	72
	<i>Overview</i>	72
4.6	Aegean-Maghreb.....	73
	<i>Overview</i>	73
	<i>Container shipping services</i>	73
	<i>Container liner carriers</i>	73
	<i>Mediterranean ports called</i>	74
	<i>Carriers' port patronage</i>	75
	<i>Service grids</i>	77
4.7	Black Sea-Maghreb.....	79
	<i>Overview</i>	79
4.8	Levant-Maghreb	80
	<i>Overview</i>	80
	<i>Container shipping services</i>	80
	<i>Container liner carriers</i>	80
	<i>Mediterranean ports called</i>	81
	<i>Carriers' port patronage</i>	81
	<i>Service grids</i>	82
5	Services within the East Mediterranean.....	85
5.1	Intra-Adriatic	85
5.2	Adriatic-Aegean	85
	<i>Overview</i>	85
	<i>Container shipping services</i>	85
	<i>Container liner carriers</i>	86
	<i>Mediterranean ports called</i>	86
	<i>Carriers' port patronage</i>	87
	<i>Service grids</i>	88
5.3	Adriatic-Levant	91
	<i>Overview</i>	91
	<i>Container shipping services</i>	91
	<i>Container liner carriers</i>	91
	<i>Mediterranean ports called</i>	92
	<i>Carriers' port patronage</i>	92
	<i>Service grids</i>	93
5.4	Intra-Aegean.....	96
	<i>Container shipping services</i>	96
	<i>Container liner carriers</i>	96
	<i>Aegean ports called</i>	96
	<i>Carriers' port patronage</i>	97
	<i>Services grid</i>	97
5.5	Aegean-Black Sea.....	99
	<i>Overview</i>	99
	<i>Container shipping services</i>	99
	<i>Container liner carriers</i>	100
	<i>Mediterranean ports called</i>	100
	<i>Carriers' port patronage</i>	101
	<i>Services grid</i>	103
5.6	Aegean-Levant.....	105
	<i>Overview</i>	105
	<i>Container shipping services</i>	105
	<i>Container liner carriers</i>	105
	<i>Mediterranean ports called</i>	107
	<i>Carriers' port patronage</i>	108



	<i>Services grid</i>	110
5.7	Black Sea-Levant.....	114
	<i>Overview</i>	114
	<i>Container shipping services</i>	114
	<i>Container liner carriers</i>	114
	<i>Mediterranean ports called</i>	115
	<i>Carriers' port patronage</i>	115
	<i>Services grid</i>	116
5.8	Intra-Levant.....	117
	<i>Overview</i>	117
	<i>Container shipping services</i>	117
	<i>Container liner carriers</i>	117
	<i>Levant ports called</i>	118
	<i>Carriers' port patronage</i>	118
	<i>Services grid</i>	119
6	Services within the West Mediterranean	121
6.1	Intra-Southwest Europe.....	121
	<i>Overview</i>	121
	<i>Container shipping services and carriers</i>	121
	<i>Southwest Europe ports called</i>	121
	<i>Carriers' port patronage and services grid</i>	121
6.2	Southwest Europe-Maghreb.....	123
	<i>Overview</i>	123
	<i>Container shipping services</i>	123
	<i>Container liner carriers</i>	123
	<i>Mediterranean ports called</i>	123
	<i>Carriers' port patronage</i>	126
	<i>Services grid</i>	128
6.3	Intra-Maghreb.....	131
	<i>Overview</i>	131
7	Containerised Trade Volumes	132
7.1	Introduction.....	132
	7.1.1 <i>Source</i>	132
	7.1.2 <i>Output</i>	132
7.2	Intra-Mediterranean (EU + Turkey related) container trade.....	133
	7.2.1 <i>Overview</i>	133
	7.2.2 <i>Southwest Europe related container trade</i>	133
	7.2.3 <i>Adriatic related container trade</i>	135
	7.2.4 <i>Aegean related container trade</i>	136
	7.2.5 <i>Black Sea related container trade</i>	137
	7.2.6 <i>Levant related container trade</i>	138
	7.2.7 <i>Maghreb related container trade</i>	139
7.3	Extrapolated intra-Mediterranean trade.....	141
7.4	Forecast intra-Mediterranean trade.....	142
8	Mediterranean ports called	143
8.1	Overview.....	143
8.2	Mediterranean hub ports.....	143
8.3	Southwest Europe ports.....	144
	8.3.1 <i>Overview</i>	144
	8.3.2 <i>Main SW Europe port developments</i>	145



8.4	Adriatic ports	148
8.4.1	<i>Overview</i>	148
8.4.2	<i>Main Adriatic port developments</i>	148
8.5	Aegean ports	151
8.5.1	<i>Overview</i>	151
8.5.2	<i>Main Aegean port developments</i>	152
8.6	Black Sea ports	154
8.6.1	<i>Overview</i>	154
8.6.2	<i>Main Black Sea port developments</i>	154
8.7	Levant ports.....	156
8.7.1	<i>Overview</i>	156
8.7.2	<i>Main Levant port developments</i>	156
8.8	Maghreb	159
8.8.1	<i>Overview</i>	159
8.8.2	<i>Main Maghreb port developments</i>	160
	<i>Algeria</i>	160
8.9	Throughputs: Mediterranean port handled containers	161
8.9.1	<i>Overview</i>	161
8.9.2	<i>Southwest Europe ports throughput</i>	162
8.9.3	<i>Adriatic ports throughput</i>	163
8.9.4	<i>Aegean ports throughput</i>	164
8.9.5	<i>Black Sea ports throughput</i>	164
8.9.6	<i>Levant ports throughput</i>	165
8.9.7	<i>Maghreb ports throughput</i>	166
9	Terminal Operators active in the Mediterranean	168
9.1	Global Terminal Operators	168
9.1.1	<i>APM Terminals</i>	168
9.1.2	<i>Cosco Shipping Ports</i>	170
9.1.3	<i>DP World</i>	171
9.1.4	<i>Hutchison Ports</i>	173
9.1.5	<i>International Container Terminal Services Inc (ICTSI)</i>	174
9.1.6	<i>PSA International</i>	174
9.1.7	<i>Terminal Investment Limited</i>	175
9.1.8	<i>Terminal Link</i>	177
9.1.9	<i>Yilport</i>	178
9.1.10	<i>Other global operators</i>	179
9.2	Regional and other terminal operators.....	179
9.2.1	<i>AD Ports</i>	179
9.2.2	<i>CMA Terminals</i>	180
9.2.3	<i>Eurokai/Eurogate</i>	181
9.2.4	<i>Portek International</i>	182
9.2.5	<i>Other terminal operators (including container liner carriers)</i>	182
10	Mediterranean trading and economic contexts.....	185
10.1	Merchandise trade and trading relationships	185
	<i>General merchandise trade</i>	185
	<i>Mediterranean exports</i>	186
	<i>Mediterranean imports</i>	189
10.2	General economy indicators	192
	<i>Population</i>	192
	<i>Economy (GDP)</i>	193
	<i>GDP per capita</i>	194
	<i>Economy (GDP) forecast</i>	195



Appendices	198
Appendix I – Container Liner Carriers overview.....	199
Appendix II – Service summaries	200
<i>East-West Mediterranean</i>	200
<i>Intra-East Mediterranean services</i>	202
<i>Intra-West Mediterranean services</i>	205
Appendix III – Mediterranean background trade growth rates	206
<i>Merchandise trade (total)</i>	206
<i>Economy (GDP)</i>	207
Appendix IV - Country profiles	208
<i>Algeria</i>	209
<i>Bulgaria</i>	210
<i>Croatia</i>	211
<i>Cyprus</i>	212
<i>Egypt</i>	213
<i>France</i>	214
<i>Georgia</i>	215
<i>Greece</i>	216
<i>Israel</i>	217
<i>Italy</i>	218
<i>Lebanon</i>	219
<i>Libya</i>	220
<i>Malta</i>	221
<i>Montenegro</i>	222
<i>Morocco</i>	223
<i>Romania</i>	224
<i>Russia</i>	225
<i>Slovenia</i>	226
<i>Spain</i>	227
<i>Syria</i>	228
<i>Tunisia</i>	229
<i>Turkey</i>	230
<i>Ukraine</i>	231
11 Sources	232



LIST OF TABLES

Table 1: Mediterranean countries headline figures 2022.....	16
Table 2: Carrier and annual trade capacity changes 2023/2019.....	24
Table 3: Breakdown of services by coverage	49
Table 4: Summary of service coverage by intra-Mediterranean route.....	51
Table 5: SW Europe-Adriatic services.....	52
Table 6: SW Europe-Adriatic vessel operating carriers	52
Table 7: SW Europe ports called by SWE-Adriatic services.....	53
Table 8: Adriatic ports called by SWE-Adriatic services	53
Table 9: SW Europe-Aegean services	57
Table 10: SW Europe-Aegean vessel operating carriers	58
Table 11: SW Europe ports called by SW Europe-Aegean services.....	58
Table 12: Aegean ports called by SW Europe-Aegean services	59
Table 13: SW Europe-Black Sea services	63
Table 14: SW Europe-Black Sea vessel operating carriers	63
Table 15: SW Europe ports called by SW Europe-Black Sea services.....	64
Table 16: Black Sea ports called by SW Europe-Black Sea services.....	64
Table 17: SW Europe-Black Sea service grid	65
Table 18: Southwest Europe-Levant services.....	66
Table 19: Southwest Europe-Levant vessel operating carriers	66
Table 20: Southwest Europe ports called by Southwest Europe-Levant services.....	67
Table 21: Levant ports called by Southwest Europe-Levant services	68
Table 22: Adriatic Maghreb service grid	72
Table 23: Aegean-Maghreb services	73
Table 24: Aegean-Maghreb vessel operating carriers.....	74
Table 25: Aegean ports called by Aegean-Maghreb services.....	74
Table 26: Maghreb ports called by Aegean-Maghreb services	75
Table 27: Black Sea-Maghreb service grid.....	79
Table 28: Levant-Maghreb services	80
Table 29: Levant-Maghreb vessel operating carriers	80
Table 30: Levant ports called by Levant-Maghreb services	81
Table 31: Maghreb ports called by Levant-Maghreb services	81
Table 32: Adriatic-Aegean services	85
Table 33: Adriatic-Aegean vessel operating carriers.....	86
Table 34: Adriatic ports called by Adriatic-Aegean services	86
Table 35: Aegean ports called by Adriatic-Aegean services.....	87
Table 36: Adriatic ports, ATC by carrier	87
Table 37: Aegean ports, ATC by carrier	88
Table 38: Adriatic-Levant services.....	91
Table 39: Adriatic-Levant vessel operating carriers	91
Table 40: Adriatic ports called by Adriatic-Levant services.....	92
Table 41: Levant ports called by Adriatic-Levant services	92
Table 42: intra-Aegean services	96
Table 43: intra-Aegean vessel operating carriers.....	96
Table 44: intra-Aegean ports called by intra-Aegean services.....	97
Table 45: intra-Aegean services grid	98
Table 46: Aegean-Black Sea services.....	99
Table 47: Aegean-Black Sea vessel operating carriers	100
Table 48: Aegean ports called by Aegean-Black Sea services	101
Table 49: Black Sea ports called by Aegean-Black Sea services	101
Table 50: Aegean ports called by Aegean-Black Sea services, ATC by carrier.....	102
Table 51: Black Sea ports called by Aegean-Black Sea services, ATC by carrier.....	103



Table 52: Aegean-Levant services	106
Table 53: Aegean-Levant vessel operating carriers	107
Table 54: Aegean ports called by Aegean-Levant services.....	107
Table 55: Levant ports called by Aegean-Levant services	108
Table 56: Aegean ports called by Aegean-Levant services, ATC by carrier	109
Table 57: Levant ports called by Aegean-Levant services, ATC by carrier	110
Table 58: Black Sea-Levant services	114
Table 59: Black Sea-Levant vessel operating carriers.....	114
Table 60: Black Sea ports called by Black Sea-Levant services.....	115
Table 61: Levant ports called by Black Sea-Levant services.....	115
Table 62: intra-Levant services.....	117
Table 63: intra-Levant vessel operating carriers	118
Table 64: Levant ports called by intra-Levant services	118
Table 65: Levant ports called by intra-Levant services, ATC by carrier	119
Table 66: intra-Levant services grid	120
Table 67: intra-Southwest Europe services.....	121
Table 68: SW Europe ports called by intra-SW Europe services	122
Table 69: intra-Southwest Europe services grid.....	122
Table 70: SW Europe-Maghreb services	124
Table 71: SW Europe-Maghreb vessel operating carriers.....	125
Table 72: SW Europe ports called by SW Europe-Maghreb services	125
Table 73: Maghreb ports called by SW Europe-Maghreb services	126
Table 74: SW Europe ports called by SW Europe-Maghreb services, ATC by carrier.....	127
Table 75: Maghreb ports called by SW Europe-Maghreb services, ATC by carrier.....	127
Table 76: Total EU-related intra-Mediterranean containerised carryings.....	133
Table 77: SW Europe containerised exports to the Mediterranean	134
Table 78: SW Europe containerised imports from the Mediterranean	134
Table 79: SW Europe total intra-Mediterranean containerised trade.....	134
Table 80: Adriatic containerised exports to the Mediterranean	135
Table 81: Adriatic containerised imports from the Mediterranean.....	135
Table 82: Adriatic total intra-Mediterranean containerised trade	136
Table 83: Aegean containerised exports to the Mediterranean	136
Table 84: Aegean containerised imports from the Mediterranean	137
Table 85: Aegean total intra-Mediterranean containerised trade.....	137
Table 86: Black Sea containerised exports to the Mediterranean.....	137
Table 87: Black Sea containerised imports from the Mediterranean	138
Table 88: Black Sea total intra-Mediterranean containerised trade.....	138
Table 89: Levant containerised exports to the Mediterranean	139
Table 90: Levant containerised imports from the Mediterranean	139
Table 91: Levant total intra-Mediterranean containerised trade	139
Table 92: Maghreb containerised exports to the Mediterranean	140
Table 93: Maghreb containerised imports from the Mediterranean	140
Table 94: Maghreb total intra-Mediterranean containerised trade.....	140
Table 95: Total intra-Mediterranean containerised trade (extrapolated)	141
Table 96: Forecast intra-Mediterranean volumes development (data table)	142
Table 97: Summary service statistics, coastlines called by Intra-Mediterranean services	143
Table 98: Summary statistics, Mediterranean hub ports.....	144
Table 99: Southwest Europe ports called.....	145
Table 100: Adriatic ports called.....	148
Table 101: Aegean ports called	152
Table 102: Black Sea ports called	154
Table 103: Levant ports called	156
Table 104: Maghreb ports called	160
Table 105: Summarised Mediterranean ports throughputs (TEU)	162



Table 106: West Europe Mediterranean port throughputs (TEU)	163
Table 107: Adriatic port throughputs (TEU)	164
Table 108: Aegean port throughputs (TEU)	164
Table 109: Black Sea port throughputs (TEU)	165
Table 110: Levant port throughputs (TEU).....	166
Table 111: Maghreb port throughputs (TEU).....	167
Table 112: Summary of Mediterranean countries total merchandise trade, by value.....	185
Table 113: Summary of Mediterranean countries exported merchandise trade, by value.....	186
Table 114: Summary of Mediterranean countries imported merchandise trade, by value	190
Table 115: Mediterranean population development.....	193
Table 116: Mediterranean national economies (GDP).....	194
Table 117: Mediterranean GDP per capita	195
Table 118: Mediterranean economy (GDP) forecast	196
Table 119: Forecast GDP development Mediterranean countries, growth rates (%).....	197
Table 120: Summary of all vessel operating carriers	199
Table 121: Services between West and East Mediterranean	200
Table 122: Services sailing only within the East Mediterranean.....	202
Table 123: Services sailing only within the West Mediterranean.....	205
Table 124: Mediterranean total merchandise trade, growth rates	206
Table 125: Mediterranean GDP growth rates	207

LIST OF FIGURES

Figure 1: Structure of the Mediterranean, main trade through to individual countries	15
Figure 2: Map outline of Mediterranean coastlines.....	15
Figure 3: Black Sea throughputs, main ports, 2021-2022	18
Figure 4: Changes in Black Sea Annual Trade Capacity, 2023-2019, by port	19
Figure 5: Summary of largest carriers and Annual Trade Capacities	21
Figure 6: Summary end-end trade relationships (roundtrip Annual Trade Capacity).....	50
Figure 7: Carriers' SW Europe port patronage for Adriatic connections	54
Figure 8: Carriers' Adriatic port patronage for SW Europe connections.....	54
Figure 9: SW Europe-Adriatic services grid (SW Europe ports).....	55
Figure 10: SW Europe-Adriatic services grid (Adriatic ports + other coastlines)	56
Figure 11: Carriers' SW Europe port patronage for Aegean connections	60
Figure 12: Carriers' Aegean port patronage for SW Europe connections	60
Figure 13: SW Europe-Aegean services grid (SW Europe ports)	61
Figure 14: SW Europe-Aegean services grid (Aegean ports + others).....	62
Figure 15: Carriers' SW Europe port patronage for Levant connections	68
Figure 16: Carriers' Levant SW port patronage for Europe connections	69
Figure 17: SW Europe-Levant services grid (SW Europe ports)	70
Figure 18: SW Europe-Levant services grid (Levant ports + other coastlines).....	71
Figure 19: Carriers' Aegean port patronage for Maghreb connections	76
Figure 20: Carriers' Maghreb port patronage for Aegean connections	76
Figure 21: Aegean-Maghreb services grid (Aegean ports)	77
Figure 22: Aegean-Maghreb services grid (Maghreb ports + other coastlines).....	78
Figure 23: Carriers' Levant port patronage for Maghreb connections	82
Figure 24: Carriers' Levant port patronage for Maghreb connections	82
Figure 25: Levant-Maghreb services grid (Levant ports).....	83
Figure 26: Levant-Maghreb services grid (Maghreb ports + other coastlines)	84
Figure 27: Adriatic-Aegean services grid (Adriatic ports).....	89
Figure 28: Adriatic-Aegean services grid (Aegean ports + other coastlines).....	90
Figure 29: Carriers' Adriatic port patronage for Levant connections.....	93
Figure 30: Carriers' Levant port patronage for Adriatic connections	93
Figure 31: Adriatic-Levant services grid (Adriatic ports)	94



Figure 32: Adriatic-Levant services grid (Levant ports + other coastlines)	95
Figure 33: Carriers' port patronage for intra-Aegean connections.....	97
Figure 34: Aegean-Black Sea services grid (Aegean ports).....	104
Figure 35: Aegean-Black Sea services grid (Black Sea ports + other coastlines)	104
Figure 36: Aegean-Levant services grid (Aegean ports, grid 1).....	111
Figure 37: Aegean-Levant services grid (Aegean ports, grid 2).....	111
Figure 38: Aegean-Levant services grid (Levant ports, grid 1)	112
Figure 39: Aegean-Levant services grid (Levant ports, grid 2)	112
Figure 40: Aegean-Levant services grid (other coastlines, grid 1).....	113
Figure 41: Aegean-Levant services grid (other coastlines, grid 2).....	113
Figure 42: Levant-Maghreb services grid	116
Figure 43: SW Europe-Maghreb services grid (SW Europe ports)	129
Figure 44: SW Europe-Maghreb services grid (Maghreb ports).....	130
Figure 45: SW Europe-Maghreb services grid (Other coastlines)	131
Figure 46: Countries covered and their allocated coastlines for carrying statistics	132
Figure 47: Forecast intra-Mediterranean volumes development (chart)	142
Figure 48: Changes in Piraeus Annual Trade Capacity, 2023-2019, by carrier.....	153
Figure 49: APM Terminals – Mediterranean facilities.....	168
Figure 50: Cosco Shipping Ports – Mediterranean facilities.....	170
Figure 51: DP World – Mediterranean facilities.....	172
Figure 52: Hutchison Ports – Mediterranean facilities.....	173
Figure 53: ICTSI – Mediterranean facilities	174
Figure 54: PSA International – Mediterranean facilities	175
Figure 55: TIL – Mediterranean facilities.....	176
Figure 56: Terminal Link – Mediterranean facilities.....	177
Figure 57: Yilport – Mediterranean facilities.....	178
Figure 58: AD Ports – Mediterranean facilities	180
Figure 59: CMA Terminals – Mediterranean facilities.....	180
Figure 60: Eurogate/Eurokai – Mediterranean facilities	181
Figure 61: Portek International – Mediterranean facilities.....	182
Figure 62: Mediterranean major export partners (clients), weighted rankings 2021.....	187
Figure 63: Mediterranean major export partners (clients), by value 2021.....	188
Figure 64: Mediterranean major export commodities, 2021	189
Figure 65: Mediterranean major import partners (suppliers), weighted rankings 2021	191
Figure 66: Mediterranean major export partners (suppliers), by value 2021.....	191
Figure 67: Mediterranean major import commodities, 2021	192



1 INTRODUCTION

1.1 Geography – defining the Mediterranean



The Mediterranean Sea is a part of the Atlantic Ocean yet is almost completely enclosed by land. It covers an approximate area of 2.5 million km² and is bordered by approaching thirty different countries, states and/or administrative regions.

The coastline totals about 46,000 km, 19,000 km of which are islands. A submarine ridge between Sicily and Africa divides the Mediterranean into two major basins: the West Med and the East Med.

The Strait of Gibraltar connects the West Mediterranean with the Atlantic. It is this Strait which marks the western edge of the Mediterranean. The Pillars of Hercules of antiquity could be considered as defining where the Mediterranean starts and finishes, these providing a gateway to a from the North Atlantic proper.

The northern pillar has always been considered as being in Gibraltar itself. The pillar opposite, to the south and on (north) Africa/Maghreb is still a matter of debate. Ceuta, the Spanish enclave to the southeast of Gibraltar and Jebel Musa (Mount Moses) in Morocco and a little to the west of Ceuta are considered likely candidates or rival claimants, whichever way one wishes to view it.

A little further to the west is Tangier-Med port, which despite its name is some 50km away by road from Tangiers itself. Tangier-Med port is actually less than 30km away from Ceuta. Further, it is still to the southeast of Gibraltar. It is here that Dynamar has taken as the 'end' of the Mediterranean after a near circumnavigation has been made after tracing the shoreline from Gibraltar in a clockwise direction until arriving at Tangier Med, much much later.

1.2 Selecting the services

In the context of this study, 'intra-Mediterranean' refers to shortsea container shipping services that start, finish and remain within the Mediterranean as defined. A few services do extend to the west of the 'Pillars of Hercules' to the Atlantic coasts of Morocco (Agadir, Casablanca), or Portugal (Lisbon, Leixoes, Sines) or Spain (Cadiz or Vigo). However, only those loops where at least half the ports on their itinerary are located within the Mediterranean basin have been included. Further, any Annual Trade Capacity allocated to those Atlantic ports has been removed from the intra-Mediterranean total.

Any deepsea services offering *de facto* intra-Mediterranean connections but then also cross the Atlantic, extend to northwest Europe or transit the Suez Canal, have not been included.

Finally, only those countries or territories with commercial cargo ports that appear on intra-Mediterranean shipping services have been included in this survey. As a result, the following jurisdictions have fallen outside the scope of this study: Gibraltar, Monaco, Bosnia Herzegovina, Moldova and the Gaza Strip.

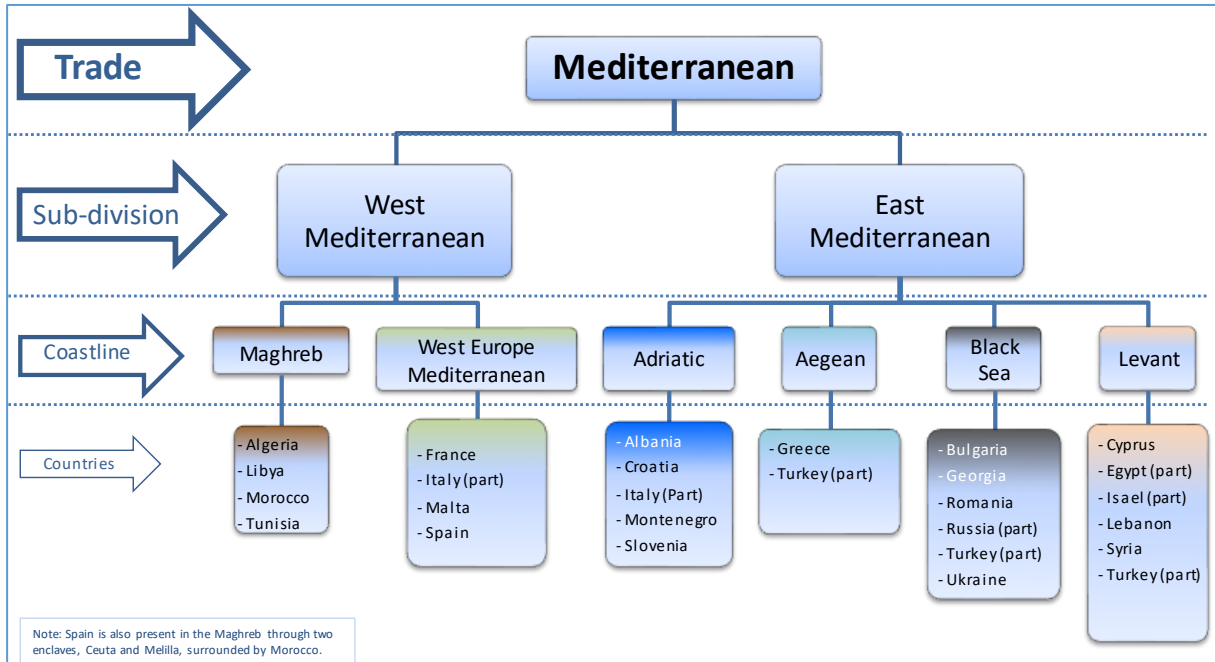
1.3 Individual Mediterranean trades

In discussing the Mediterranean, throughout this publication the whole has been split into various parts. Occasionally the sub-divisions of West and East Mediterranean have been used although more often the specific coastlines comprising those halves have formed the basis of data and information collation, calculation, analysis and presentation.



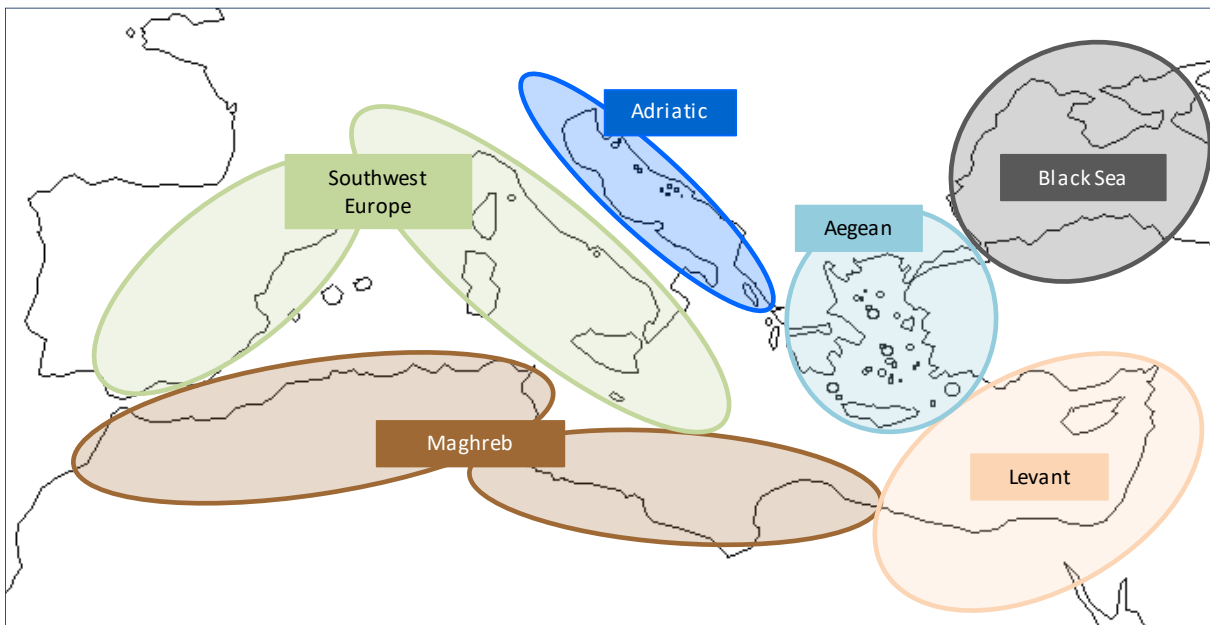
As such, six Mediterranean coastlines have been identified. Any service that connects two of those automatically forms or is part of an intra-Mediterranean trade lane. The various Mediterranean sub-divisions are illustrated in the following figure.

Figure 1: Structure of the Mediterranean, main trade through to individual countries



Throughout this publication the various coastlines are nearly always discussed in a clockwise direction starting from Southwest Europe moving eastwards through the Adriatic, Aegean and Black Sea before moving first south and then westwards through the Levant and ending up at the Maghreb. Similarly, discussion of individual routes connecting two or more coastlines follow the same principle, thus SW Europe-Adriatic will be first, SW Europe-Aegean second and all the way around to SW Europe-Maghreb before starting on Adriatic-Aegean, Adriatic-Black Sea and so on and so forth.

Figure 2: Map outline of Mediterranean coastlines



1.4 Merchandise trade and economies

The value of merchandise trade to and from the Mediterranean struggled from the 2018 to 2020 before bouncing back in the succeeding two years. At the start of this period, merchandise trade totalled USD 5,311 billion; at the end it had risen by only twenty-seven percent to USD 6,722 billion. In the intervening years, it had fallen to a low, in 2020 ('COVID' year), of USD 4,605 billion.

This performance is similar to that of economic development, although the fluctuations in GDP were not as severe. The economy as at end-2022 was 8.5% bigger at USD 11,613 billion than in 2018 when it was USD 10,706 billion. The low point was again reached in 2020 at USD 10,067 billion although this was only six percent down on 2018. For merchandise trade, the contraction was more than double that at thirteen percent.

Table 1: Mediterranean countries headline figures 2022

Country	Population	GDP	GDP p.Capita	Trade	Throughput
Albania	2.8 mn	USD 18 bn	USD 6,577	USD 13 bn	141,300 TEU
Algeria	44.9 mn	USD 190 bn	USD 4,242	USD 100 bn	366,100 TEU
Bulgaria	6.5 mn	USD 85 bn	USD 13,149	USD 108 bn	254,900 TEU
Croatia	3.9 mn	USD 69 bn	USD 18,002	USD 70 bn	420,000 TEU
Cyprus	1.3 mn	USD 27 bn	USD 21,338	USD 16 bn	371,700 TEU
Egypt	111.0 mn	USD 469 bn	USD 4,226	USD 135 bn	6,741,800 TEU
France	67.9 mn	USD 2,778 bn	USD 40,893	USD 1,436 bn	1,569,200 TEU
Georgia	3.7 mn	USD 25 bn	USD 6,780	USD 19 bn	475,000 TEU
Greece	10.6 mn	USD 222 bn	USD 21,011	USD 155 bn	5,166,600 TEU
Israel	9.6 mn	USD 527 bn	USD 55,199	USD 181 bn	2,951,000 TEU
Italy	58.9 mn	USD 1,997 bn	USD 33,929	USD 1,346 bn	11,575,000 TEU
Lebanon	5.5 mn	USD 52 bn	USD 9,541	USD 24 bn	530,000 TEU
Libya	6.8 mn	USD 41 bn	USD 5,994	USD 67 bn	759,600 TEU
Malta	0.5 mn	USD 17 bn	USD 32,778	USD 12 bn	2,892,900 TEU
Montenegro	0.6 mn	USD 6 bn	USD 9,943	USD 4 bn	24,300 TEU
Morocco	37.5 mn	USD 143 bn	USD 3,814	USD 113 bn	7,596,800 TEU
Romania	19.0 mn	USD 300 bn	USD 15,819	USD 229 bn	772,000 TEU
Russia	143.6 mn	USD 2,133 bn	USD 14,859	USD 869 bn	765,200 TEU
Slovenia	2.1 mn	USD 62 bn	USD 29,493	USD 139 bn	1,017,800 TEU
Spain	47.6 mn	USD 1,390 bn	USD 29,191	USD 912 bn	14,166,500 TEU
Syria	22.1 mn	-	-n/a-	USD 10 bn	267,300 TEU
Tunisia	12.4 mn	USD 46 bn	USD 3,746	USD 45 bn	447,500 TEU
Turkey	85.3 mn	USD 853 bn	USD 10,001	USD 618 bn	12,366,200 TEU
Ukraine	38.0 mn	USD 161 bn	USD 4,224	USD 100 bn	-n/a-
Total	741.8 mn	USD 11,613 bn	USD 15,655	USD 6,722 bn	71,638,700 TEU

Based upon IMF forecasts, from 2022 to 2027, the combined Mediterranean economy could grow by a further twenty-one percent to USD 14,103 billion.



1.5 Disasters, natural and un-natural

Earthquake and floods

Unfortunately, the Mediterranean has its fair share of disasters, be these natural or man-made. Early in 2023, the southeast of Turkey was impacted by a very substantial earthquake that had direct implications upon the port of Iskenderun. This port serves as a gateway not only for Turkey, but also parts of Syria – which also suffered from the earthquake – and Iraq. For a while, Iskenderun was essentially only open to vessels carrying humanitarian aid whilst it was repairing the damage it had suffered.

Whilst this publication was in preparation, in the first half of September 2023, ‘Storm Daniel’ hit the northeastern coast of Libya and dropped the equivalent of eight months worth of rain. This put enormous pressure on existing dam infrastructure, two of which ultimately gave way and which caused widespread flooding and subsequent destruction of infrastructure. The human cost, with the coastal town of Derna particularly affected, was estimated to be well in excess of 10,000 people dead or missing.

Negligence and belligerence

Negligence

Unfortunately, it is not only Mother Nature who can cause tragedy. People are quite capable of that as well. In August 2020, the port of Beirut suffered a massive explosion that started in a warehouse where more than 2.7 tonnes of confiscated ammonia nitrate had been stored for a number of years. Over two hundred lives were lost with another 7,500 people injured and thousands estimated to have been left homeless. Aside from the tragic human costs, the physical damage caused was estimated at as much as USD 15 billion.

Container services were diverted from Beirut to the much smaller Tripoli. Since the explosion – although it is difficult to draw a direct cause/effect relationship – Beirut’s throughput has declined. In 2019 it handled 1.2 million TEU yet in 2022 this had dropped to 420,000 TEU.

Belligerence

Israel and the Palestinian territories

Unfortunately, instability through insurgency and/or conflict also stalk the Mediterranean. The situations in Syria and Libya were already present in the 2019 edition of this study such that these could now be considered endemic.

To these can be added situations that are war in all but name. The most recent was the early October attacks made by Hamas units out of Gaza upon Israel which elicited a severe response from Israel who conducted (is still conducting) a ground invasion into the Palestinian territory. Aside from the clearly much more serious and tragic human aspects, other than noting some limited disruption to vessels calling Israel, although at the time of writing (late 2023), this is still a fluid situation.

Ukraine and Russia

In contrast to the recent outbreak of armed conflict in the east Mediterranean, one of a currently much longer duration has had clear and measurable impacts upon container trade routes, namely the Russian invasion of its neighbouring country of Ukraine. Launched late in February 2022, it goes without saying that the tragedy of a de facto war taking place and all the human suffering that this entails is still uppermost in many a person’s thoughts – sentiments that extend to all the tragedies summarised here.

Alongside this very human element, plus the attendant damage and destruction to property and infrastructure, there has been substantial disruption to established trading patterns and relationships. By implication, this extends to container shipping, the impacts manifesting themselves at both local and international levels.

Understandably, once hostilities started, Ukraine immediately closed its main container ports of Odessa, Chornomorsk and Yuzhny. One containership, the 9,400 TEU ‘Joseph Schulte’ operated by CMA CGM, found

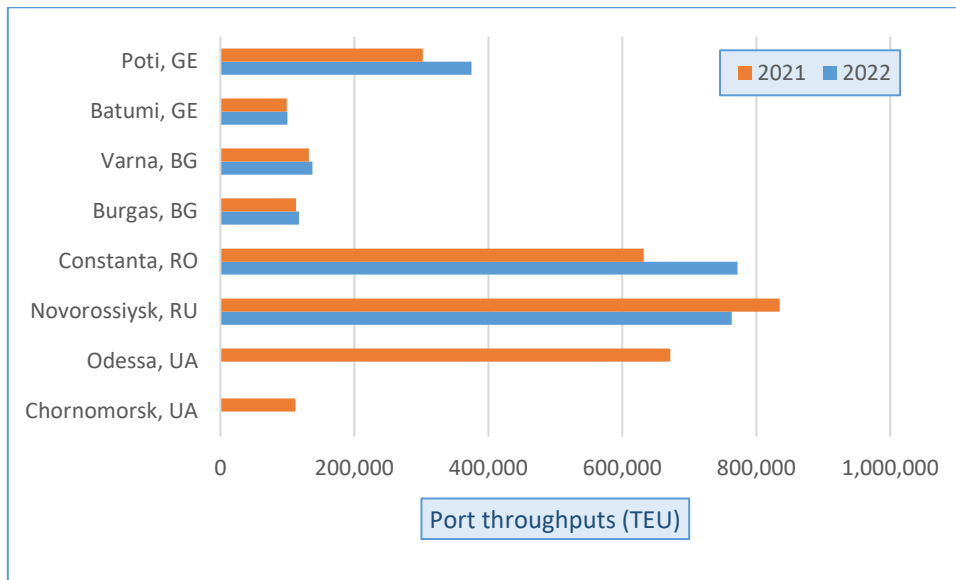


itself trapped and only managed to leave Odessa in August 2023. This was the start of a partial re-opening of shipping to and from Ukraine, principally to compensate for the collapse of the agreement that allowed Ukraine to export grain via the Black Sea.

Going back to the start of the conflict, many countries around the world imposed even tighter sanctions on Russia than were already in place. This had the impact of redrawing the containerised supply lines to and from Russia with St. Petersburg in the Baltic losing its previously pre-eminent position. It found itself replaced as the country’s main gateway as a plethora of new services cropped up – not always full container loops operating on nice weekly schedules – to the Russia Far East coastline and, to an extent, the Black Sea coastline, in particular, Novorossiysk.

When looking at tangible impacts of the conflict, for eight main Black Sea ports, their combined throughputs did reduce by a substantial twenty-two percent from the 2.9 million TEU of 2021 to 2.27 million in 2022. The Mediterranean average for that year, excluding the contributions of those eight ports, was a contraction of just 2.4%.

Figure 3: Black Sea throughputs, main ports, 2021-2022



These figures will cover all trades, not just the intra-Mediterranean. Despite the increased coverage Novorossiysk received from some opportunistic deepsea operations, its overall throughput still shrank. In contrast, that of Constanta and Poti in Georgia both grew significantly. Even though their combined gain of 213,000 TEU only managed to compensate for about one quarter of the 784,000 TEU throughput lost by Odessa and Chornomorsk, it did suggest a certain redrawing of trade flows in a Black Sea context.

To look specifically at the intra-Mediterranean context, comparisons can be made between the Annual Trade Capacity surveys of 2019 and 2023.

Despite the armed conflict, the Black Sea ports, as a whole, only lost 90,000 TEU in Annual Trade Capacity to arrive at just under 1.29 million TEU, albeit this is the smallest of all Mediterranean coastlines. However, underlying that relatively small change, there have been significant swings. Novorossiysk, which used to be the largest Black Sea port by intra-Mediterranean Annual Trade Capacity, has actually lost ground, whilst Constanta has gained significantly.

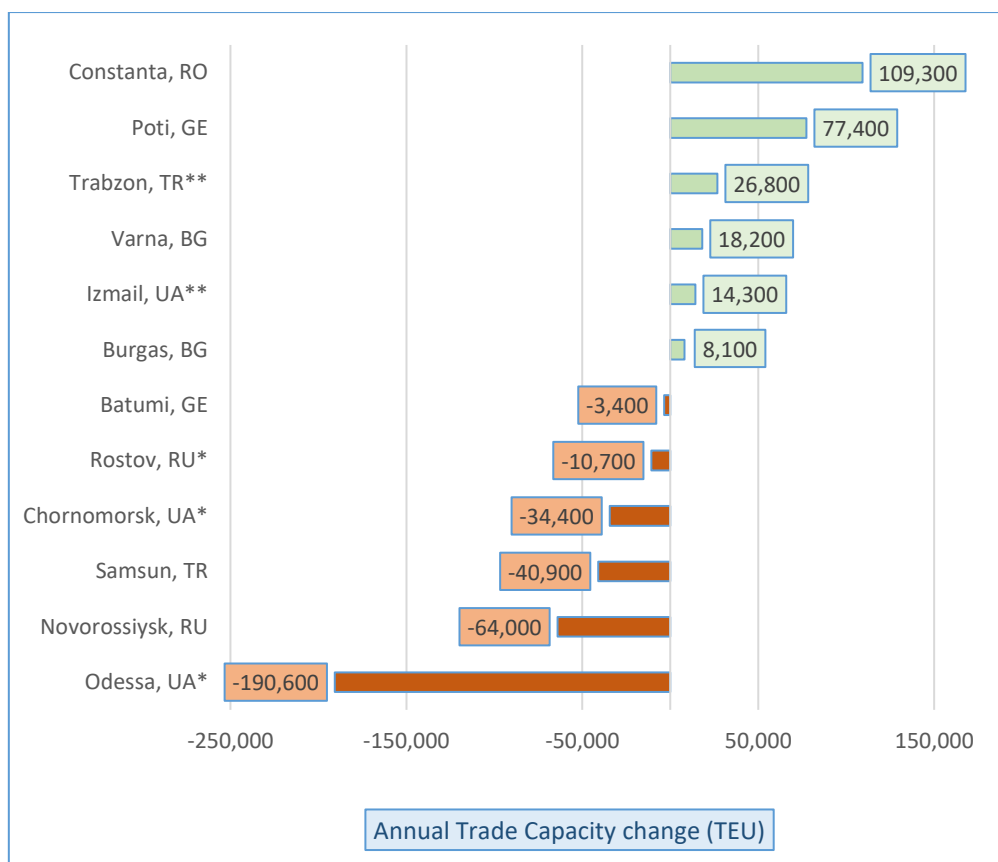
Part of the reason for Novorossiysk’s reduced intra-Mediterranean activity could come from the extra deepsea calls it receives, as these would negate the requirement for transshipment and therefore intra-Mediterranean loops. However, more influential would be the changed nature of general trading relationships apropos Russia and several Mediterranean countries, which in turn would have an impact upon container trade levels.



For Constanta, its growth in activity can be attributed to perception as an alternative port of entry for Ukraine, which is understandable given the common borders that Romania and Ukraine share. The Ukrainian Danube River port of Izmil also makes an appearance in this edition¹, although the 14,000 TEU it receives in allocated Annual Trade Capacity is much smaller than the 225,000 TEU that Chornomorsk and Odessa attracted in 2019. For understandable reasons, neither of these Ukrainian outlets appear in the 2023 study.

The growth of Poti in Georgia can also be seen in the context of the Ukraine/Russia conflict. This is necessarily for Russia/Ukraine cargoes but rather for Europe-Asia cargoes that would have previously been routed overland through Russia and/or Ukraine. In particular, Poti is utilised as an anchor for the so-called Middle Corridor which is attracting a lot of attention from both China and the European Union. This runs from China, through Kazakhstan, across the Caspian Sea and then transits Azerbaijan – itself not free of conflict in 2023 – into Georgia. It is also possible that some of this Middle Corridor traffic makes its way across the Black Sea to Constanta.

Figure 4: Changes in Black Sea Annual Trade Capacity, 2023-2019, by port



(Ports asterisked* were present in 2019 study but not 2023. For those double asterisked**, the reverse is true)

¹ In fact, Izmil and another Ukraine Danube port, Reni, have been offered by carriers Maersk or Hapag-Lloyd as alternative Ukrainian gateways via barge connections out of Constanta. Unfortunately, Izmil has been the subject of drone and/or missile attacks in 2023 as it is also used as a port of exit for Ukrainian grain exports.

