### Ad Hoc Expert Meeting on

### Addressing the Transport and Trade Logistics Challenges of the Small Island Developing States (SIDS): Samoa Conference and Beyond

11 July 2014

### Liner shipping connectivity and transport costs in SIDS

Presentation by

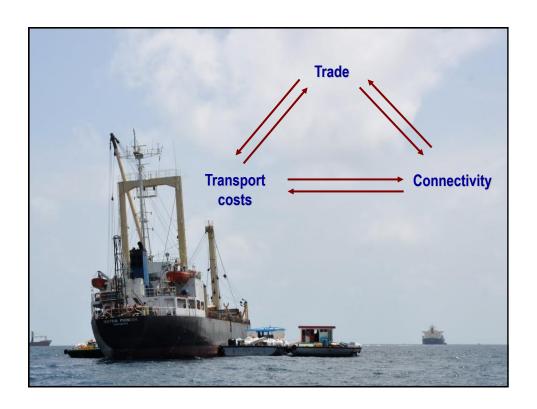
### Mr. Jan Hoffmann

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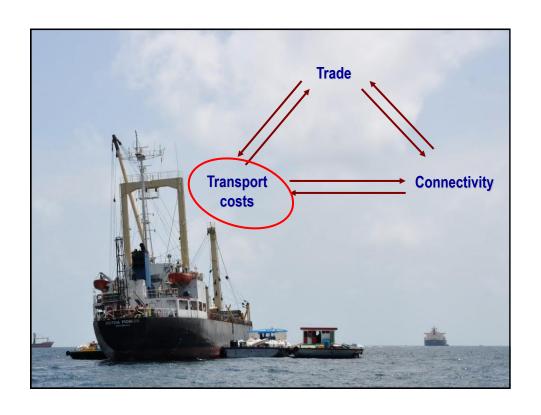


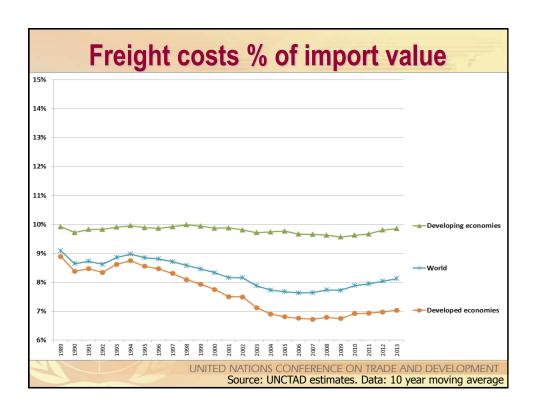


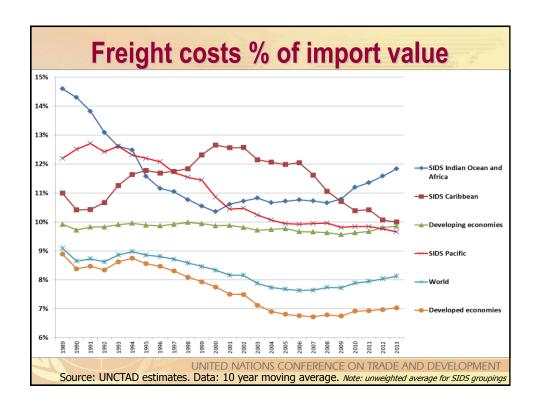
### The challenge for SIDS:

- Avoid a vicious circle, where high transport costs and low service levels discourage trade, which will further endear transport and reduce connectivity...
- Instead: Initiate a virtuous circle

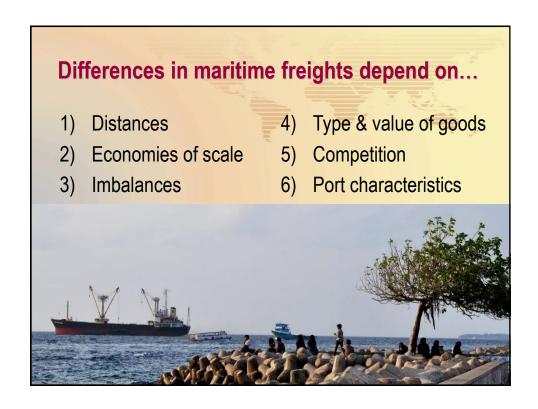
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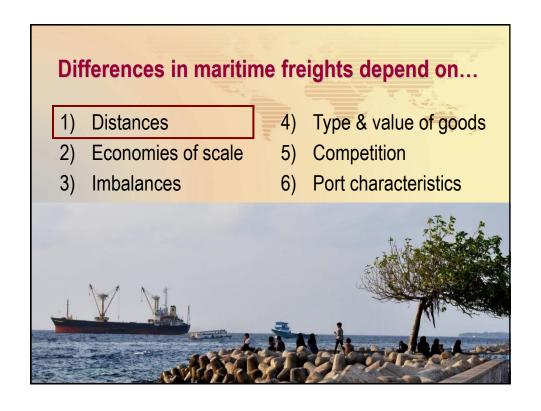


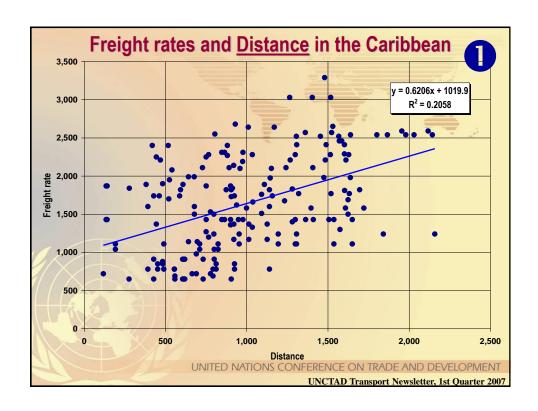


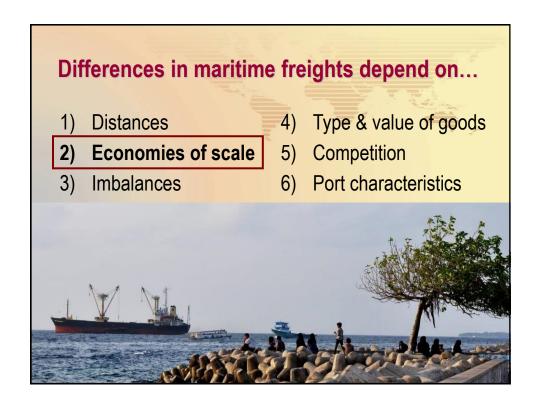




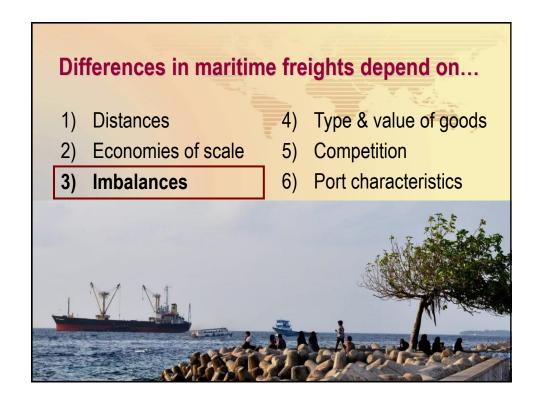






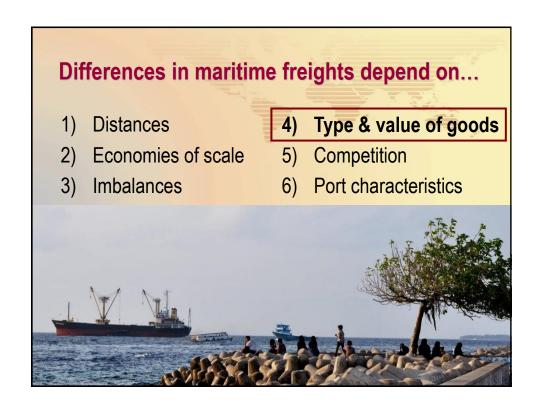


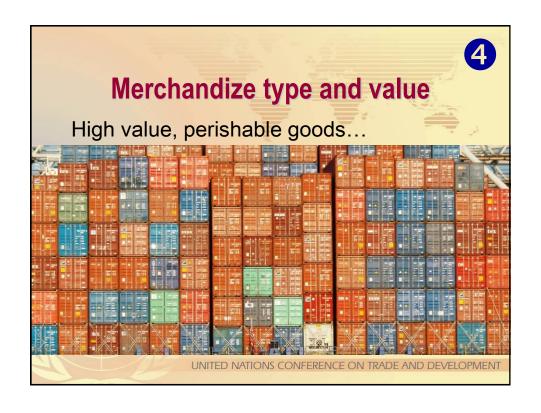
		5 typines		2
Sample costs	1100 TEU	4250 TEU	8750 TEU	13000 TEU
Construction costs million USD	28	77	135	167
Construction costs USD per TEU	25 000	18 117	15 430	12 850
Crew	15 to 17	15 to 17	15 to 17	15 to 17
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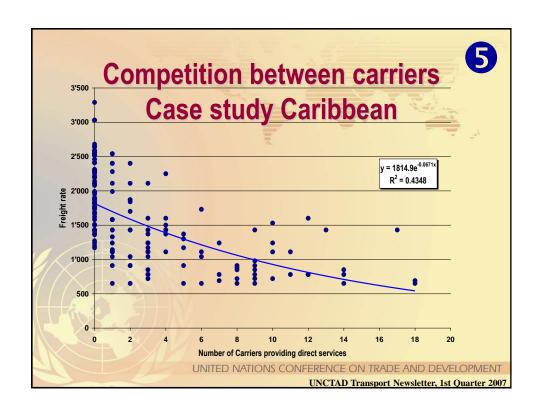
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Merchandise Impo				Tank di Si	F
Region/Country	Imports	Exports	Region/Country	Imports	Exports
Caribbean			Pacific	1	all h
Antigua and Barbuda	45.8	5.7	Fiji	62.7	24.1
Bahamas	42.3	12.3	Kiribati	57.1	5.7
Barbados	41.9	13.5	Marshall Islands	76.8	19.2
			Micronesia (Federated		
Dominica	41.7	7.3	States of)	64.4	10.7
Grenada	43.7	4.6	Nauru	na	na
Jamaica	45.4	10.8	Palau	61.3	3.1
Saint Kitts and Nevis	30.0	5.9	Papua New Guinea	35.1	41.5
Saint Lucia	56.5	15.3	Samoa	50.5	11.1
Saint Vincent and the Grenadines	49.1	6.2	Solomon Islands	49.6	46.6
Trinidad and Tobago	40.3	56.2	Timor-Leste	28.6	0.9
			Tonga	44.5	3.4
Indian Ocean			Tuvalu	62.7	0.8
Comoros	50.3	4.2	Vanuatu	37.5	7
Maldives	69.9	14.1	West Africa		
Mauritius	49.6	25.3	Cape Verde	41.9	2.9
Sevchelles	70.9	44.0	Sao Tome and Principe	53.2	4.2

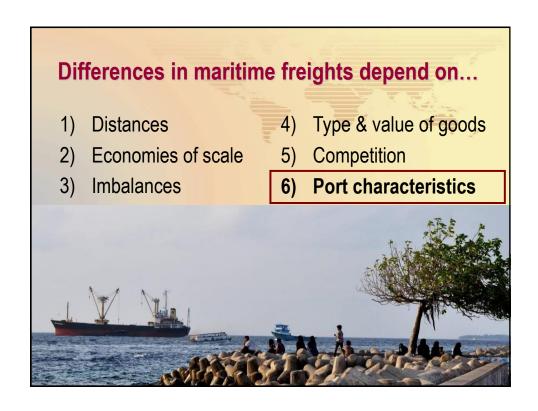


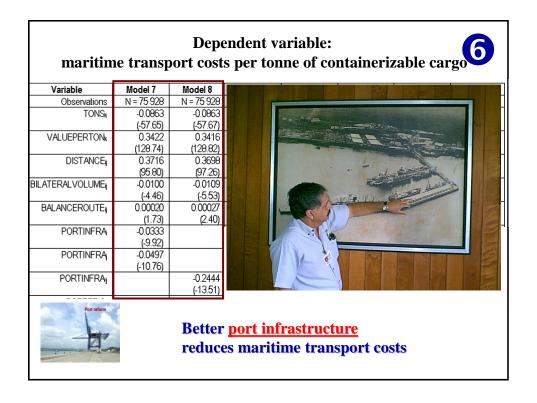


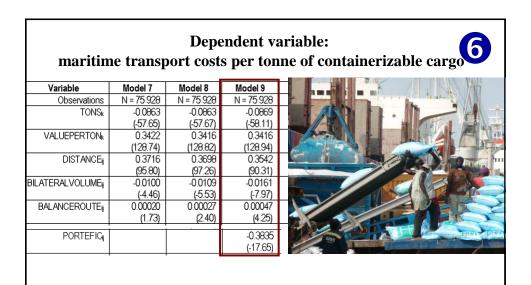


# Differences in maritime freights depend on... 1) Distances 2) Economies of scale 3) Imbalances 4) Type & value of goods 5) Competition 6) Port characteristics



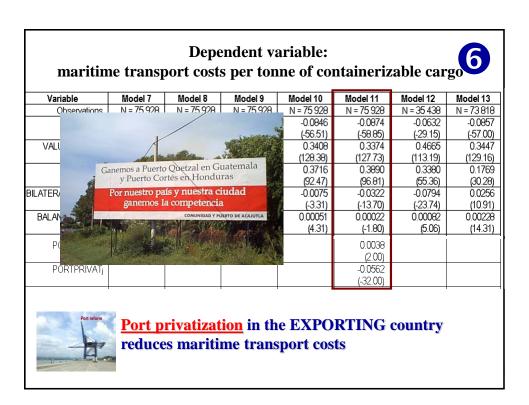


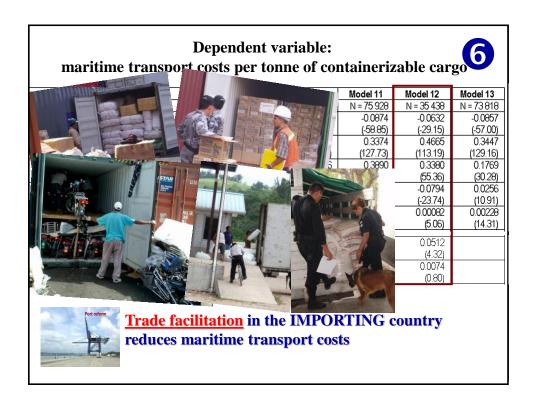


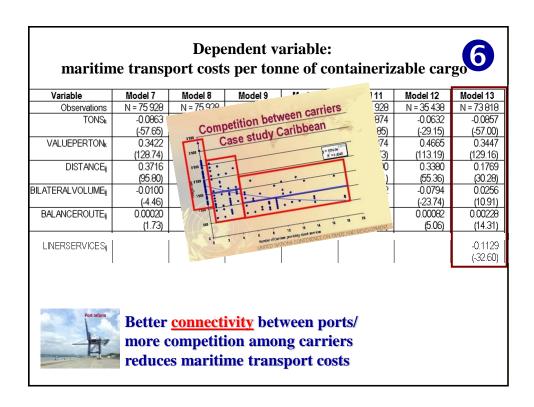


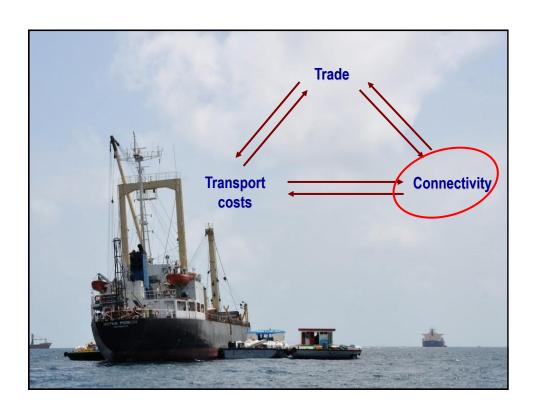


**Better (perceived) <u>port efficiency</u>** reduces maritime transport costs











### Containerization of trade, and access to containerized transport services are important determinants of SIDS's trade competitiveness How can we measure this?

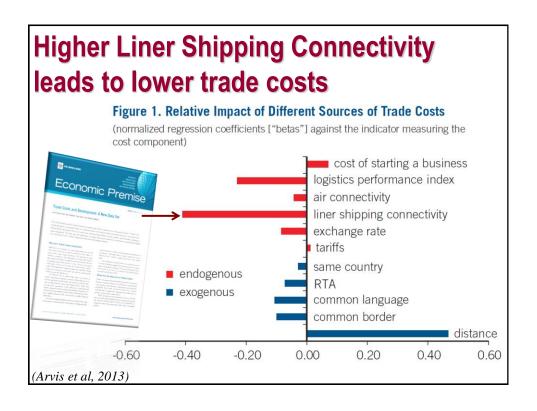
### "Maritime connectivity"

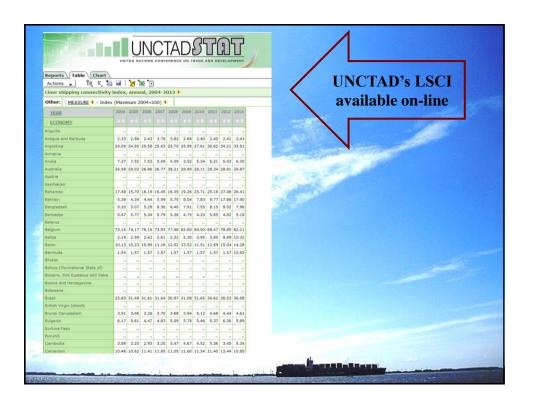
UNCTAD's "Liner Shipping Connectivity Index" (LSCI):
An indicator for access to liner shipping services
Components:

- Ships
- TEU capacity
- Shipping companies
- Services
- Maximum ship sizes

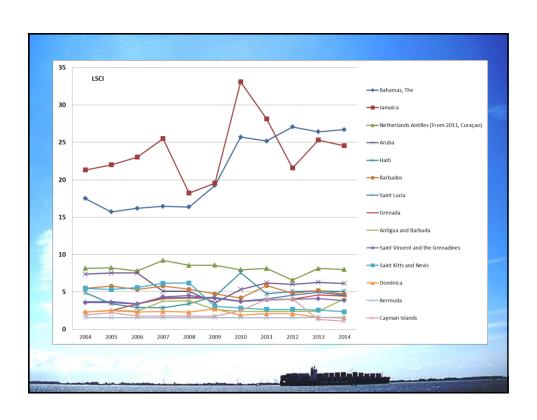


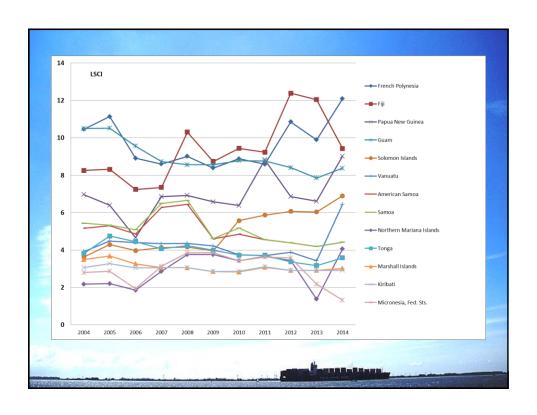
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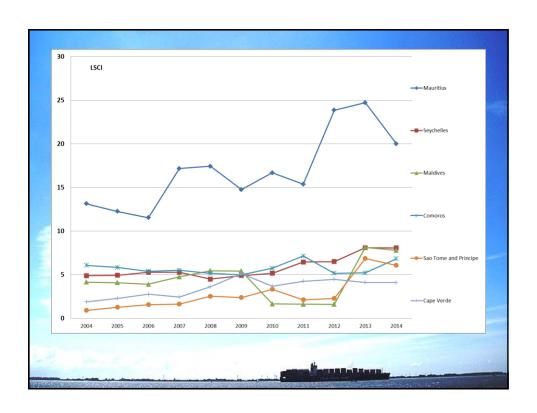


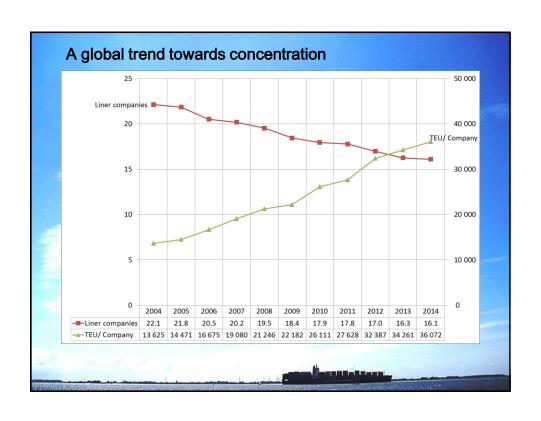


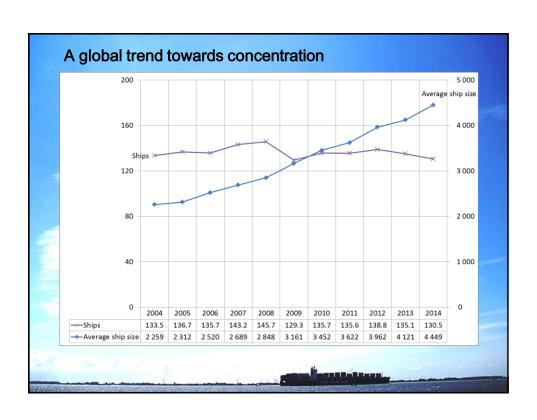
Rank 2014	Country	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014
	Suriname	4.77	4.16	3.90	4.29	4.26	4.16	4.12	4.16	4.48	4.91	5.03
	Norway	9.23	8.31	7.34	7.80	7.91	7.93	7.93	7.32	5.31	5.28	4.99
	Bulgaria	6.17	5.61	4.47	4.83	5.09	5.78	5.46	5.37	6.36	5.89	4.98
	Barbados	5.47	5.77	5.34	5.79	5.36	4.75	4.20	5.85	4.82	5.18	4.7
	Saint Lucia	3.70	3.72	3.43	4.21	4.25	4.25	3.77	4.08	4.55	4.93	4.57
	Grenada	2.30	2.52	3.37	4.09	4.20	4.13	3.71	3.93	4.04	4.59	4.45
	American Samoa	5.17	5.30	4.86	6.28	6.44	4.60	4.85	4.56	4.39	4.19	4.42
133	Samoa	5.44	5.33	5.09	6.50	6.66	4.62	5.18	4.56	4.39	4.19	4.42
134	Iceland	4.72	4.88	4.75	4.72	4.72	4.73	4.70	4.68	4.68	4.66	4.4
135	Brunei Darussalam	3.91	3.46	3.26	3.70	3.68	3.94	5.12	4.68	4.44	4.61	4.30
136	Faeroe Islands	4.22	4.40	4.43	4.45	4.20	4.20	4.21	4.20	4.21	4.21	4.18
137	Guyana	4.54	4.37	4.60	4.51	4.36	4.34	3.95	3.96	4.06	4.31	4.13
	Albania	0.40	0.40	0.40	2.28	1.98	2.30	4.34	4.54	0.53	4.43	4.1
139	Congo, Dem. Rep.	3.05	3.03	2.66	2.68	3.36	3.80	5.24	3.73	4.05	4.01	4.1
140	Cape Verde	1.90	2.28	2.76	2.45	3.63	5.13	3.69	4.24	4.48	4.12	4.10
141	Antigua and Barbuda	2.33	2.56	2.43	3.76	3.82	2.66	2.40	2.40	2.41	2.43	4.07
142	Northern Mariana Islands	2.17	2.20	1.85	2.86	3.76	3.76	3.43	3.65	3.44	1.37	4.06
143	Eritrea	3.36	1.58	2.23	-	3.26	3.26	0.02	4.02	4.17	4.02	4.02
144	Guinea-Bissau	2.12	5.19	5.03	5.22	5.34	3.54	3.50	4.07	4.31	4.00	3.98
145	Qatar	2.64	4.23	3.90	3.59	3.21	2.10	7.67	3.60	6.53	3.35	3.86
146	Saint Vincent and the Grenadines	3.56	3.58	3.40	4.34	4.52	4.13	3.72	3.95	4.02	4.10	3.85
147	Latvia	6.37	5.82	5.10	5.87	5.52	5.18	5.98	5.51	5.45	4.07	3.62
148	Tonga	3.81	4.75	4.45	4.07	4.23	3.99	3.73	3.72	3.37	3.17	3.58
149	Virgin Islands (U.S.)	1.77	3.00	3.22	3.76	3.81	3.70	3.32	3.39	3.34	3.37	3.37
150	Marshall Islands	3.49	3.68	3.26	3.06	3.06	2.85	2.83	3.08	2.91	2.91	3.02
151	Kiribati	3.06	3.28	3.05	3.06	3.06	2.85	2.86	3.11	2.91	2.91	2.9
152	Serbia & Montenegro (From 2010, Montenegro)	2.92	2.92	2.96	2.96	3.20	0.02	4.48	4.04	1.35	2.35	2.90
153	Saint Kitts and Nevis	5.49	5.32	5.59	6.16	6.19	3.08	2.84	2.66	2.67	2.58	2.3
154	Greenland	2.32	2.32	2.27	2.27	2.36	2.27	2.27	2.30	2.30	2.30	2.30
155	Dominica	2.33	2.51	2.33	2.40	2.31	2.73	1.88	2.08	2.08	1.59	1.59
156	Bermuda	1.54	1.57	1.57	1.57	1.57	1.57	1.57	1.57	1.57	15.90	1.52
157	Micronesia, Fed. Sts.	2.80	2.87	1.94	3.13	3.85	3.85	3.43	3.62	3.58	2.17	1.32
158	Palau	1.04	1.04	1.87	3.07	3.79	3.79	3.43	3.62	3.58	2.17	1.32
159	Cayman Islands	1.90	2.23	1.79	1.78	1.78	1.76	2.51	4.03	4.07	1.34	1.11
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# Determinants of maritime connectivity • Geography • Trade volumes • Port characteristics To sum up: Differences in maritime freights depend on... • Distances • Competition • Type & value of goods • Economies of scale • Imbalances • Port characteristics UNITED NATIONS CONFERENCE ON TRADE AND DEVELOPMENT

