



IMO Project on Improving Availability of Maritime Transport Costs Data in the Pacific Region

Progress Summary

Objectives

- Improve SIDS availability of maritime transport cost data to assess potential GHG reduction measures in shipping
- Establish baseline and initial model of the impact of a hypothetical increase in transport costs or change in connectivity patterns on Pacific SIDS
- Continued/durable monitoring and data collection system of maritime transport costs

Methodology

Phase 1 Transport cost data

- **Task 1.** Validate impact assessment objectives ✓
- **Task 2.** Develop a list of data and format required to assess transport cost impact ✓
- **Task 3.** Workshop with counterpart countries to review existing data, sources and cargo to be assessed by country
- **Task 4.** Identify data gaps
- **Task 5.** Determine steps to improve data collection
- **Task 6.** Recommend actions to improve data gaps

Report 1

Countries summary reports

Phase 2 Preliminary impact model

- **Task 7.** Define model baseline
- **Task 8.** Stakeholders' consultation to discuss assumptions and qualitative proxies
- **Task 9.** Refine and describe model methodology
- **Task 10.** Simulate impacts

Report 2

Data analysis and modeling approach

Phase 3 Capacity building

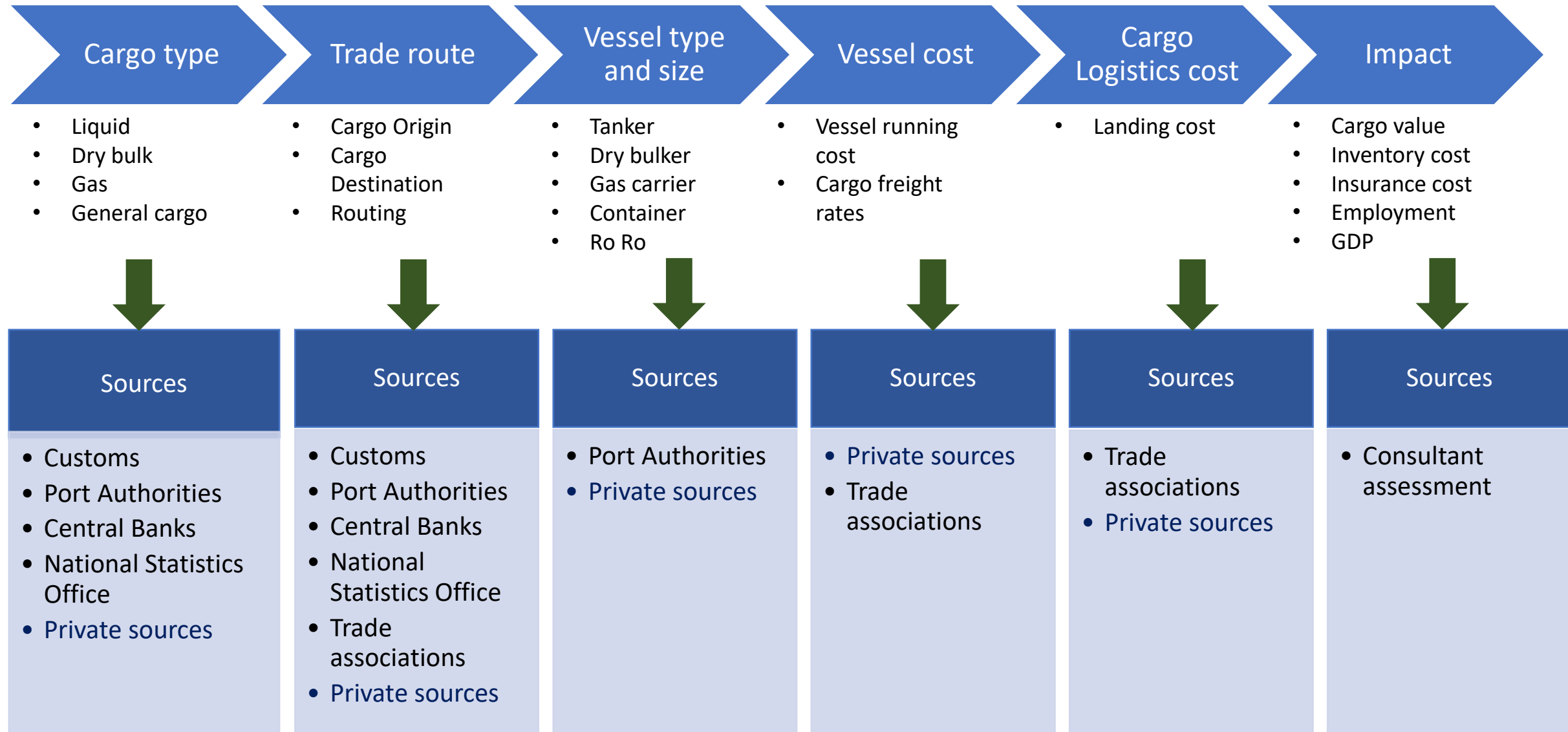
- **Task 11.** Recommend data collection process
- **Task 12.** Workshop with counterpart countries

Report 3

Impact transport costs report and data collection

Deliverables

Data requirement mapping



COOK ISLANDS
FIJI
MARSHALL ISLANDS
SOLOMON ISLANDS
TONGA
TUVALU
VANUATU

Macro Economic Data

GDP - real, per capita, by sector
Consumer price index, by month and year
Employment statistics

Trade Data

International

Annual exports by item (HS Code), country, quantity (kg), & value
Annual imports by item (HS Code), country, quantity (kg), & value
Annual Re-exports by item (HS Code), country, quantity (kg), & value
Importers - transport costs
Exporters - transport costs

Domestic

Annual exports by item (HS Code), country, quantity (kg), & value

Fleet Data

Vessel call data by port, IMO, date, time, etc.
Vessel characteristics by name, by type

Port Data

Vessel call data by port, IMO, date, time, etc.
Fees & Charges, by type, unit of measure, rate
Ports' container throughput, by port, by type

2022 2021 2020 2019 2018 2017 2016 2015 2014

	2	5	4	3	3	3	2	2
	2	5	5	4	4	4	3	3
		2	3	2				

2022 2021 2020 2019 2018 2017 2016 2015 2014

0.75	3.75	4	4	3	3	3	3	3
0.75	3.75	4	4	3	3	3	3	3
		2	2					
		2						
		2						

		2	2					
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2022 2021 2020 2019 2018 2017 2016 2015 2014

0.5	0.5		7					

2022 2021 2020 2019 2018 2017 2016 2015 2014

1.5	1.5	2.2	4					
0.75	2	2	3	2	2	2	2	2



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Country Summaries

COOK ISLANDS

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Trade Data

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2022 2021 2020 2019 2018 2017 2016 2015 2014

Domestic

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Fleet Data

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2022 2021 2020 2019 2018 2017 2016 2015 2014

Port Data

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Ports' container throughput, by port, by type

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FIJI

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Employment statistics

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Trade Data

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2022 2021 2020 2019 2018 2017 2016 2015 2014

Domestic

Annual exports by item (HS Code), country, quantity (kg), & value

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Fleet Data

Vessel call data by port, IMO, date, time, etc.
Vessel characteristics by name, by type (MISSING IMO#)

2022 2021 2020 2019 2018 2017 2016 2015 2014

Port Data

Vessel call data by port, IMO, date, time, etc.
Fees & Charges, by type, unit of measure, rate
Ports' container throughput, by port, by type

2022 2021 2020 2019 2018 2017 2016 2015 2014

MARSHALL ISLANDS

Macro Economic Data

GDP - real, per capita, by sector
Consumer price index, by month and year
Employment statistics

2022 2021 2020 2019 2018 2017 2016 2015 2014

Trade Data

International

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Annual imports by item (HS Code), country, quantity (kg), & value
Annual Re-exports by item (HS Code), country, quantity (kg), & value
Importers - transport costs
Exporters - transport costs

2022 2021 2020 2019 2018 2017 2016 2015 2014

Domestic

Annual exports by item (HS Code), country, quantity (kg), & value

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2022 2021 2020 2019 2018 2017 2016 2015 2014

SOLOMON ISLANDS

Macro Economic Data

GDP - real, per capita, by sector
Consumer price index, by month and year
Employment statistics

2022 2021 2020 2019 2018 2017 2016 2015 2014

Trade Data

International

Annual exports by item (HS Code), country, quantity (kg), & value
Annual imports by item (HS Code), country, quantity (kg), & value
Annual Re-exports by item (HS Code), country, quantity (kg), & value
Importers - transport costs
Exporters - transport costs

2022 2021 2020 2019 2018 2017 2016 2015 2014

Domestic

Annual exports by item (HS Code), country, quantity (kg), & value

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Fleet Data

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2022 2021 2020 2019 2018 2017 2016 2015 2014

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TONGA

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Annual Re-exports by item (HS Code), country, quantity (kg), & value
Importers - transport costs
Exporters - transport costs

2022 2021 2020 2019 2018 2017 2016 2015 2014

Q1&2								
Q1&2								

Domestic

Annual exports by item (HS Code), country, quantity (kg), & value

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Fleet Data

Vessel call data by port, IMO, date, time, etc.
Vessel characteristics by name, by type

2022 2021 2020 2019 2018 2017 2016 2015 2014

1/2	1/2							

Port Data

Vessel call data by port, IMO, date, time, etc. (no times)
Fees & Charges, by type, unit of measure, rate
Ports' container throughput, by port, by type

2022 2021 2020 2019 2018 2017 2016 2015 2014

1/2	1/2							
J-O								

2013

TUVALU

Macro Economic Data

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Employment statistics

2022 2021 2020 2019 2018 2017 2016 2015 2014

Trade Data

International

Annual exports by item (HS Code), country, quantity (kg), & value
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Annual Re-exports by item (HS Code), country, quantity (kg), & value
Importers - transport costs
Exporters - transport costs

2022 2021 2020 2019 2018 2017 2016 2015 2014

	Q1-3							
	Q1-3							

Domestic

Annual exports by item (HS Code), country, quantity (kg), & value

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Fleet Data

Vessel call data by port, IMO, date, time, etc.
Vessel characteristics by name, by type

2022 2021 2020 2019 2018 2017 2016 2015 2014

Port Data

Vessel call data by port, IMO, date, time, etc. (no IMO & times)
Fees & Charges, by type, unit of measure, rate
Ports' container throughput, by port, by type

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VANUATU

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Annual Re-exports by item (HS Code), country, quantity (kg), & value
Importers - transport costs
Exporters - transport costs

2022 2021 2020 2019 2018 2017 2016 2015 2014

Q1								
Q1								

Domestic

Annual exports by item (HS Code), country, quantity (kg), & value

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Fleet Data

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Port Data

Vessel call data by port, IMO, date, time, etc. (no IMO & times)
Fees & Charges, by type, unit of measure, rate
Ports' container throughput, by port, by type

2022 2021 2020 2019 2018 2017 2016 2015 2014



Illustrative Examples of the Various Levels of Data Detail

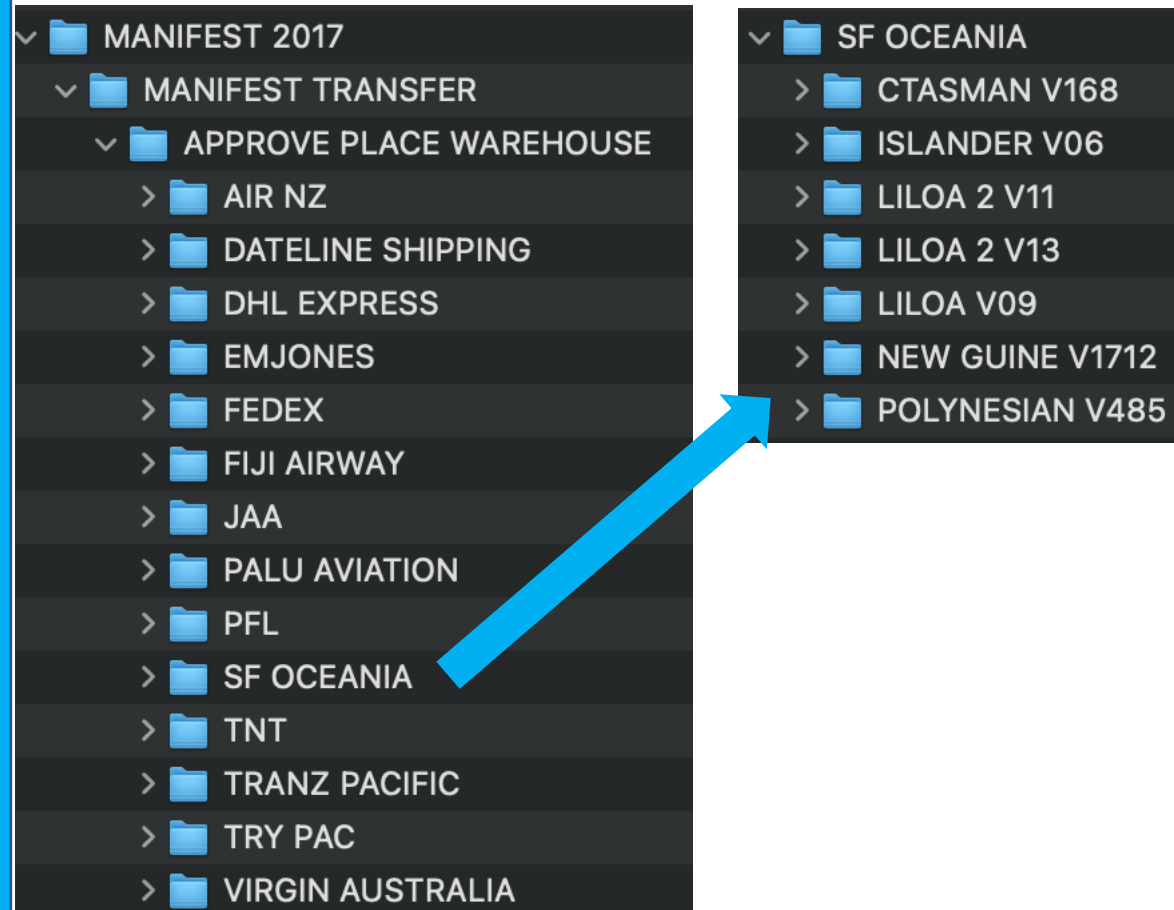
TONGA

Detailed Customs Data

- MANIFEST 2017 - MANIFEST TRANSFER - APPROVE PLACE WAREHOUSE - AIR NZ - DATELINE SHIPPING - DHL EXPRESS - EMJONES - FEDEX - FIJI AIRWAY - JAA - PALU AVIATION - PFL - SF OCEANIA - TNT - TRANZ PACIFIC - TRY PAC - VIRGIN AUSTRALIA	- PORTS AUTHORITY WAREHOUSE - ALPH SERVICES - FRIENDLY ISLAND FREIGHT - GO PACIFIC SERVICES - HAAPAI VEU BROKER - JM EXPORT & IMPORT - KINGDOM SHIPPING - MATAVAIMOUI BROKER - MEET OR MONEY - OST - PASIFIKA FREIGHT - PFL - RACER FREIGHT - ROYCO SHIPPING - SNA ENTERPRISE - SSOT SERVICES - SYLVIA EXPRESS - VAIOLUPE	- MASTER MANIFEST - CRAFT VESSEL MANIFEST 1. Jan 2. Feb 3. March 4. April 5. May 6. June 7. July 17 8. August 9. September 10. October 11. November 12. December
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TONGA

Customs Data



Date of Arrival
Shipper Agent
Crafts Vessels
Flight Voy No
Master B/L
FCL/LCL Number
Freight Principal
Currency
Approved Place Location
Date Transfer
House Bill Lading
Country of Origin
Shipper
Consignee
Goods Descriptions
No of PKGS to HBL
Package Type
Weights (KG)
Volume cbm
Freights
Currency
Transfer Warrant
Duty Warrant
Tranship Warrant
Remarks

FIJI

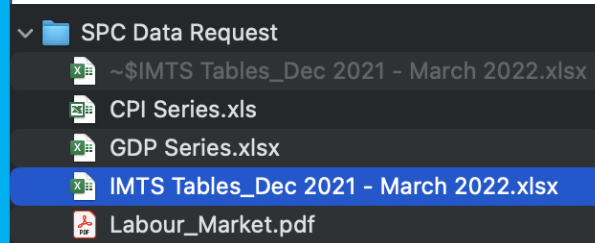
Customs Data – Semi Detailed

Trade
Commodity trade data
Appendix tables 14-16
Appendix I Imports by Quantity and Value showing Country of Origin (2014).xlsx
Appendix I Imports by Quantity and Value showing Country of Origin (2015).xlsx
Appendix I Imports by Quantity and value showing country of Origin (2016).xlsx
Appendix II Domestic Exports by Quantity a...showing Country of Destination (2014).xlsx
Appendix II Domestic Exports by Quantity a...showing Country of Destination (2015).xlsx
Appendix II Domestic Exports by Quantity a...showing Country of Destination (2016).xlsx
Appendix III Re-exports by Quantity and Val...showing Country of Destination (2014).xlsx
Appendix III Re-exports by Quantity and Val...showing Country of Destination (2015).xlsx
Appendix III Re-exports by Quantity and Val...showing Country of Destination (2016).xlsx
Appendix Tables 17-19
Appendix I Imports by Quantity and value showing country of Origin (2017).xlsx
Appendix I Imports by Quantity and value showing country of Origin (2018).xlsx
Appendix I Imports by Quantity and value showing country of Origin (2019).xlsx
Appendix II Domestic Exports by Quantity a...showing Country of Destination (2017).xlsx
Appendix II Domestic Exports by Quantity a...showing Country of Destination (2018).xlsx
Appendix II Domestic Exports by Quantity a...showing Country of Destination (2019).xlsx
Appendix III Re-exports by Quantity and Value showing Country of Destination (2017).xlsx
Appendix III Re-exports by Quantity and Val...showing Country of Destination (2018).xlsx
Appendix III Re-exports by Quantity and Val...showing Country of Destination (2019).xlsx
Appendix Tables 20-21
~\$Annual 2021 Imports by Item bea.xlsx
Annual 2021 Exports by Item bea.xlsx
Annual 2021 Exports by Item.xlsx
Annual 2021 Imports by Item bea.xlsx
Annual 2021 Imports by Item.xlsx
Annual 2021 Re-exports by Item.xlsx
Appendix I Imports by Quantity and value showing country of Origin (2020) (1).xlsx
Appendix I Imports by Quantity and value showing country of Origin (2020).xlsx
Appendix II Domestic Exports by Quantity a...wing Country of Destination (2020) (2).xlsx
Appendix II Domestic Exports by Quantity a...showing Country of Destination (2020).xlsx
Appendix III Re-exports by Quantity and Val...wing Country of Destination (2020) (3).xlsx
Appendix III Re-exports by Quantity and Val...showing Country of Destination (2020).xlsx
Appendix Tables11-13
Appendix I Imports by Quantity and value showing country of Origin (2011).xlsx
Appendix I Imports by Quantity and value showing country of Origin (2012).xlsx
Appendix I Imports by Quantity and Value showing Country of Origin (2013).xlsx
Appendix II Domestic Exports by Quantity...e showing Country of Destination (2013).xlsx
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Appendix III Re-exports by Quantity and Val...showing Country of Destination (2011).xlsx
Appendix III Re-exports by Quantity and Val...showing Country of Destination (2012).xlsx
Appendix III Re-exports by Quantity and Val...showing Country of Destination (2013).xlsx

HS CODE
Description
COUNTRY
QTY
UNIT
TOTALVALUE

VANUATU

Customs Data – Rolled Up

Table 7

Commodity	ANNUALLY					
	2012	2013	2014	2015	2016	2017
Alcoholic drinks	679	696	758	658	858	999
Aluminium and articles thereof	240	197	210	308	314	299
Articles for the conveyance or packing of goods; stoppers, lids, caps and other closures	208	231	207	291	246	277
Articles of apparel and clothing accessories	372	483	480	441	468	566
Articles of iron or steel	671	718	641	4,806	2,358	1,466
Automatic data processing machines; magnetic or optical readers, magnetic card or tape punchers, magnetic tape drives, magnetic tape storage devices, magnetic tape transporters, magnetic tape controllers, magnetic tape erasers, magnetic tape cleaners, magnetic tape duplicators, magnetic tape converters, magnetic tape translators, magnetic tape compressors, magnetic tape expanders, magnetic tape formatters, magnetic tape processors, magnetic tape controllers, magnetic tape translators, magnetic tape compressors, magnetic tape expanders, magnetic tape formatters, magnetic tape processors	260	332	340	510	426	359
Bread, pastry, cakes, biscuits and other bakers' wares	483	661	581	724	769	809
Centrifuges, including centrifugal dryers; filtering or purifying machines	69	97	155	115	99	229
Cigars, cheroots, cigarillos and cigarettes, of tobacco or of tobacco substitutes	545	486	478	512	598	599
Electric generating sets and rotary converters	114	118	184	190	109	229
Fish and crustaceans, molluscs and other aquatic invertebrates	83	88	71	85	72	69
Footwear, gaiters and the like; parts of such articles	153	169	119	201	232	249
Insulated wire, cable and other insulated electric conductors, whether or not fitted with fittings, terminals or other accessories	161	248	139	178	179	309
Iron and steel	401	496	415	921	717	669
Meat and edible offal of poultry	471	463	462	631	747	889
Medicaments	1,398	1,108	956	820	897	699
Milk and Cream	270	283	253	354	267	339
Motor vehicles for the transport of goods	610	1,354	1,231	1,973	2,403	2,779
Motor vehicles for the transport of passengers	1,490	867	905	913	1,101	1,779
New pneumatic tires, of rubber	147	162	145	210	272	169
Non-alcoholic drinks including mineral water	233	288	291	277	225	279
Other furniture and parts thereof	175	193	215	218	389	279
Other Imports	9,105	9,938	9,026	12,926	22,150	13,699
Other made up textile articles; sets; worn clothing and worn textile articles	199	238	218	572	397	379
Other prepared or preserved meat, meat offal or blood	231	244	285	248	214	299
Parts of aircraft	102	120	1,439	288	225	139
Pasta, whether cooked or stuffed or otherwise prepared, such as spaghetti	137	149	148	206	195	229
Perfumes, make-up preparations and preparations for the care of the skin	260	255	268	110	282	299
Personal and household effects	313	319	285	44	1	199
Petroleum gases and other gaseous hydrocarbons	244	269	264	220	199	239
Petroleum oils and oils obtained from bituminous minerals	8,060	8,213	8,925	7,271	5,500	6,589
Portland cement, aluminous cement, slag cement, supersulphate cement	453	454	479	865	1,115	929
Preparations of a kind used in animal feeding	185	182	178	145	154	199
Prepared foods obtained by the swelling or roasting of cereals or cereal products	137	166	130	145	151	159
Prepared or preserved fish	258	411	434	524	494	619
Printed books, brochures, leaflets and similar printed matter	112	205	192	117	202	119
Refrigerators, freezers and other refrigerating or freezing equipment, electric	83	120	96	179	146	169
Rice	1,130	1,306	1,265	2,673	1,639	1,519
Self-propelled bulldozers, angledozers, graders, levellers, scrapers, motor	120	33	147	391	508	339
Spark-ignition reciprocating or rotary internal combustion piston engines	100	148	155	121	163	159
Sugar	136	164	149	117	163	159
Telephone sets, including telephones for cellular networks or for other	528	678	730	885	814	1,309
Toilet paper and similar paper	150	172	168	115	86	109
Tubes, pipes and hoses, and fittings therefor (for example, joints, elbows, flanges)	130	181	137	199	257	209
Wheat or meslin flour	333	412	441	497	508	479
Wood sawn or chipped lengthwise, sliced or peeled, whether or not planed, jointed or glued together	281	317	310	492	463	399
Yachts and other vessels for pleasure or sports; rowing boats and canoes	137	121	249	145	64	99
TOTAL IMPORTS	32,159	34,552	35,356	44,831	49,835	42,629