

Brunei Darussalam

Southeast Asia and the Pacific

Basic Economic Indicators

Economic Aggregates (\$ million)	2000	2007	2010	2013	2016	2019	2020
Value-added at basic price	6,581	12,248	13,966	18,447	11,571	13,695	12,232
Gross output	8,880	20,694	23,344	31,708	19,701	23,378	21,440
Total intermediate inputs	2,299	8,447	9,460	13,372	8,189	10,020	9,513
Taxes less subsidies on products	0	0	-82	-112	-59	-338	-305
International transport margins	0	0	0	0	0	0	0
CIF/FOB adjustment	0	0	0	0	0	0	0
Direct purchases abroad by residents	0	0	0	0	0	0	0
Purchases by nonresidents on the domestic territory	0	0	0	0	0	0	0
Household final consumption expenditure	1,104	1,873	1,586	1,965	1,976	1,795	1,821
Final consumption expenditure by NPISHs	1,884	0	2,971	0	0	0	0
Government final consumption expenditure	20	2,609	0	3,528	2,990	3,373	3,053
Gross fixed capital formation	546	1,378	2,450	5,199	2,873	3,832	3,730
Changes in inventories	-29	831	26	192	737	1,165	692
Total final demand	3,525	6,692	7,032	10,884	8,577	10,165	9,296
Exports	3,476	7,849	9,000	11,057	5,654	7,805	6,886
Imports	1,385	2,854	3,400	6,271	4,304	6,811	6,355

Economic Aggregates, Top 3 Sectors (\$ million)	2000	2007	2010	2013	2016	2019	2020
Value-added at basic price							
Mining	2,208	7,036	7,022	9,130	4,829	6,116	4,722
Refined fuels	903	1,143	1,837	2,684	1,170	1,685	1,742
Public administration	936	1,087	1,462	1,739	1,489	1,602	1,539
Gross output							
Mining	2,771	9,175	9,157	11,907	6,298	7,976	6,158
Refined fuels	1,133	2,963	4,252	6,212	2,708	3,899	4,033
Public administration	1,512	2,149	2,430	2,890	2,475	2,663	2,558
Total intermediate inputs							
Refined fuels	230	1,820	2,423	3,539	1,544	2,250	2,326
Construction	185	1,577	1,177	2,106	1,350	1,575	1,652
Mining	563	2,139	2,143	2,787	1,474	1,898	1,464
Total final demand							
Public administration	1,430	2,068	2,304	2,777	2,457	2,646	2,502
Construction	215	1,552	1,207	2,211	1,332	1,864	1,972
Refined fuels	158	233	58	202	75	992	718
Exports							
Mining	2,167	5,049	4,843	5,578	2,881	6,821	5,689
Refined fuels	739	2,173	3,396	4,862	2,054	213	610
Hotels and restaurants	21	7	12	28	49	155	102
Imports							
Food and beverages	110	204	284	499	448	987	964
Mining	4	175	525	550	186	567	593
Metals	30	211	321	813	243	606	571

Domestic Linkages

Indicator and Top 3 Sectors, 2020	2000	2007	2010	2013	2016	2019	2020
First-round effect							
Refined fuels	0.19	0.48	0.56	0.48	0.54	0.57	0.57
Transport activities, NEC	0.44	0.58	0.59	0.60	0.62	0.40	0.38
Air transport	0.10	0.70	0.70	0.69	0.55	0.38	0.35
Industrial support effect							
Refined fuels	0.04	0.13	0.15	0.13	0.11	0.25	0.32
Air transport	0.04	0.34	0.40	0.36	0.27	0.29	0.29
Water transport	0.13	0.29	0.36	0.33	0.29	0.27	0.26
Production-induced effect							
Refined fuels	0.23	0.61	0.71	0.60	0.65	0.82	0.89
Air transport	0.14	1.04	1.10	1.05	0.82	0.67	0.64
Transport activities, NEC	0.52	0.90	0.98	0.99	0.98	0.63	0.60

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Domestic Linkages

Indicator and Top 3 Sectors, 2020	2000	2007	2010	2013	2016	2019	2020
Simple value-added multiplier							
Real estate	0.97	0.97	0.97	0.96	0.96	0.94	0.95
Personal services, NEC	0.95	0.96	0.93	0.92	0.93	0.89	0.89
Refined fuels	0.98	0.83	0.94	0.86	0.91	0.89	0.89
Type I value-added multiplier							
Air transport	1.11	4.51	5.64	5.31	4.55	4.57	4.19
Construction	3.22	3.76	3.12	3.25	2.87	2.45	2.48
Transport activities, NEC	1.82	2.47	2.80	2.76	2.71	2.52	2.42
Direct backward linkage							
Refined fuels	0.19	0.48	0.56	0.48	0.54	0.57	0.57
Transport activities, NEC	0.44	0.58	0.59	0.60	0.62	0.40	0.38
Air transport	0.10	0.70	0.70	0.69	0.55	0.38	0.35
Complete hypothetical extraction (backward)							
Air transport	1.13	2.02	2.08	2.02	1.81	1.67	1.64
Water transport	1.43	1.75	1.82	1.77	1.81	1.62	1.56
Construction	1.56	1.68	1.62	1.66	1.52	1.51	1.54
Partial hypothetical extraction (backward)							
Air transport	0.14	1.03	1.09	1.04	0.82	0.67	0.64
Refined fuels	0.22	0.60	0.69	0.59	0.64	0.61	0.62
Water transport	0.43	0.79	0.88	0.84	0.83	0.63	0.57
Total backward linkage							
Refined fuels	1.23	1.61	1.71	1.60	1.65	1.82	1.89
Air transport	1.14	2.04	2.10	2.05	1.82	1.67	1.64
Transport activities, NEC	1.52	1.90	1.98	1.99	1.98	1.63	1.60
Direct forward linkage							
Utilities	0.61	0.55	0.64	0.68	0.47	0.71	0.71
Refined fuels	0.21	0.19	0.19	0.18	0.21	0.69	0.67
Business activities, NEC	0.44	0.86	0.83	0.86	0.91	0.65	0.67
Complete hypothetical extraction (forward)							
Utilities	1.62	1.77	1.88	1.93	1.60	2.20	2.29
Finance	1.86	2.35	1.73	1.74	1.48	1.81	1.93
Hotels and restaurants	1.02	1.65	2.04	1.96	1.70	1.64	1.89
Partial hypothetical extraction (forward)							
Utilities	0.65	0.77	0.88	0.94	0.61	1.21	1.30
Finance	0.91	1.37	0.77	0.77	0.52	0.84	0.96
Hotels and restaurants	0.02	0.65	1.05	0.96	0.70	0.64	0.90
Total forward linkage							
Utilities	1.67	1.78	1.89	1.95	1.61	2.22	2.32
Refined fuels	1.27	1.26	1.28	1.28	1.28	2.00	2.04
Telecommunications	1.28	2.20	2.37	2.23	2.03	1.92	2.02
Normalized backward linkage							
Refined fuels	0.93	1.08	1.14	1.08	1.23	1.34	1.38
Air transport	0.87	1.37	1.40	1.38	1.35	1.23	1.19
Transport activities, NEC	1.15	1.27	1.32	1.34	1.47	1.20	1.16
Normalized forward linkage							
Utilities	1.30	1.02	1.17	1.18	1.10	1.72	1.74
Refined fuels	0.99	0.73	0.79	0.77	0.87	1.54	1.54
Telecommunications	1.00	1.27	1.47	1.35	1.38	1.49	1.52
Net backward linkage							
Air transport	0.83	1.52	1.45	1.28	1.59	1.62	1.62
Construction	1.54	1.51	1.47	1.54	1.36	1.50	1.53
Wood	0.80	0.36	0.65	0.82	0.75	1.40	1.50
Net forward linkage							
Finance	1.71	1.89	1.42	1.42	1.22	1.45	1.54
Personal services, NEC	0.95	1.81	1.20	1.25	1.11	1.19	1.27
Textiles	0.28	1.24	1.21	1.41	1.01	1.10	1.15

Indicator and Top 3 Sectors, 2020	2000	2007	2010	2013	2016	2019	2020
Self-sufficiency ratio							
Mining	4.56	2.13	1.89	1.73	1.75	4.63	5.80
Air transport	3.17	1.98	2.49	1.00	0.98	1.52	4.23
Chemicals	0.00	2.63	2.87	3.14	2.23	1.49	1.64
Import-to-input ratio							
Air transport	0.05	0.13	0.17	0.17	0.32	0.53	0.55
Construction	0.28	0.22	0.35	0.32	0.38	0.48	0.47
Transport activities, NEC	0.05	0.10	0.15	0.14	0.10	0.40	0.42
Export-to-output ratio							
Leather	0.95	0.20	0.99	0.12	0.93	1.00	1.00
Chemicals	0.00	0.80	0.80	0.81	0.76	1.00	1.00
Inland transport	1.00	0.39	0.41	0.45	0.50	1.00	1.00
Domestic inputs share to output							
Refined fuels	0.19	0.48	0.56	0.48	0.54	0.57	0.57
Transport activities, NEC	0.44	0.58	0.59	0.60	0.62	0.40	0.38
Air transport	0.10	0.70	0.70	0.69	0.55	0.38	0.35
Foreign inputs share to output							
Air transport	0.05	0.13	0.17	0.17	0.32	0.53	0.55
Construction	0.28	0.22	0.35	0.32	0.38	0.48	0.47
Transport activities, NEC	0.05	0.10	0.15	0.14	0.10	0.40	0.42
Backward import multipliers							
Air transport	0.05	0.24	0.24	0.28	0.40	0.57	0.60
Construction	0.32	0.31	0.45	0.43	0.50	0.55	0.55
Transport activities, NEC	0.07	0.21	0.27	0.27	0.24	0.51	0.52
Forward import multipliers							
Chemicals	0.00	0.84	0.82	0.79	0.74	1.00	1.00
Wood	0.06	0.31	0.17	0.13	0.15	0.56	0.99
Metals	0.73	0.44	0.21	0.16	0.17	0.96	0.97
Intraregional transfer multiplier							
Refined fuels	1.23	1.61	1.71	1.60	1.65	1.82	1.89
Air transport	1.14	2.04	2.10	2.05	1.82	1.67	1.64
Transport activities, NEC	1.52	1.90	1.98	1.99	1.98	1.63	1.60
Interregional spillover multiplier							
Air transport	1.08	1.23	1.28	1.32	1.60	2.03	2.14
Construction	1.54	1.40	1.62	1.60	1.69	1.91	1.92
Transport activities, NEC	1.09	1.17	1.25	1.24	1.17	1.80	1.86
Interregional feedback multiplier							
Air transport	1.02	1.06	1.06	1.08	1.14	1.25	1.26
Construction	1.14	1.11	1.15	1.17	1.18	1.22	1.23
Sale of motor vehicles	1.02	1.07	1.11	1.11	1.13	1.20	1.21
Intraregional effect on gross output (\$ million)							
Refined fuels	280.99	684.63	857.73	1,512.54	671.68	2,962.24	2,732.82
Public administration	1,511.41	2,126.27	2,393.29	2,865.99	2,468.83	2,657.55	2,544.71
Construction	230.50	1,846.46	1,389.55	2,504.81	1,594.71	1,896.92	2,001.46
Interregional effect on gross output (\$ million)							
Mining	1,910.54	5,171.98	5,519.26	6,213.37	3,066.22	5,024.32	4,350.55
Refined fuels	685.70	1,775.91	2,510.77	3,447.72	1,561.09	682.76	972.37
Finance	16.48	63.22	111.79	110.20	75.53	85.86	99.59
Feedback effect on gross output (\$ million)							
Mining	672.65	1,694.63	1,827.68	2,287.26	1,191.81	1,912.20	1,419.22
Refined fuels	166.47	502.39	883.41	1,251.64	475.72	253.74	327.68
Finance	4.94	20.03	37.27	40.77	28.45	31.27	33.10
Directly absorbed value-added exports (DAVAX) (\$ million)							
Mining	1,385.32	3,154.86	3,056.35	3,341.56	1,592.19	3,654.22	3,177.68
Refined fuels	552.72	1,272.99	2,146.94	2,794.83	1,298.14	133.94	412.33
Hotels and restaurants	15.51	4.38	7.75	18.31	31.80	95.23	59.83
Reflection (REF) (\$ million)							
Mining	0.13	0.37	0.28	0.52	0.14	0.77	1.00
Refined fuels	0.04	0.17	0.24	0.56	0.13	0.04	0.09
Metals	0.00	0.00	0.00	0.00	0.00	0.01	0.03

Indicator and Top 3 Sectors, 2020	2000	2007	2010	2013	2016	2019	2020
Reexports (REX) (\$ million)							
Mining	731.57	1,584.60	1,449.11	1,777.73	967.28	2,012.01	1,552.43
Refined fuels	169.49	540.15	1,054.16	1,409.40	564.71	56.50	131.59
Water transport	2.97	35.51	46.64	32.05	26.20	31.12	20.30
Foreign value added (FVA) (\$ million)							
Mining	50.46	309.54	336.94	458.11	321.45	1,153.97	957.86
Refined fuels	17.22	359.74	194.64	657.12	191.31	22.58	65.98
Air transport	7.46	36.57	54.77	6.01	9.05	62.62	37.50
Pure double-counting (PDC) (\$ million)							
Mining	0.01	0.10	0.07	0.11	0.03	0.20	0.22
Refined fuels	0.00	0.08	0.04	0.15	0.02	0.00	0.02
Air transport	0.00	0.02	0.01	0.00	0.00	0.01	0.01
Trade-based GVC participation rate							
Transport activities, NEC	0.21	0.41	0.46	0.47	0.49	0.77	0.76
Water transport	0.30	0.50	0.49	0.48	0.50	0.72	0.74
Metals	0.45	0.46	0.56	0.57	0.68	0.66	0.72
Production-based GVC participation rate							
Chemicals	-	0.84	0.82	0.79	0.74	1.00	1.00
Wood	0.06	0.31	0.17	0.13	0.15	0.56	0.99
Metals	0.73	0.44	0.21	0.16	0.17	0.96	0.97
Trade-based backward GVC participation rate							
Air transport	0.05	0.24	0.24	0.28	0.40	0.57	0.60
Construction	0.32	0.31	0.45	0.43	0.50	0.55	0.55
Transport activities, NEC	0.07	0.21	0.27	0.27	0.24	0.51	0.52
Trade-based forward GVC participation rate							
Metals	0.20	0.20	0.29	0.28	0.18	0.26	0.33
Water transport	0.15	0.34	0.33	0.30	0.31	0.33	0.31
Utilities	0.19	0.19	0.27	0.22	0.23	0.27	0.29
Traditional revealed comparative advantage							
Mining	10.34	8.12	6.38	5.38	7.59	12.96	12.67
Refined fuels	8.87	7.20	9.37	9.21	9.24	0.79	2.52
Water transport	0.31	0.68	0.87	0.62	1.00	1.52	1.23
New revealed comparative advantage							
Mining	8.67	8.21	6.30	5.89	7.88	9.92	10.81
Refined fuels	20.93	8.13	12.67	14.06	14.05	4.94	8.40
Hotels and restaurants	0.20	0.16	0.38	0.37	0.60	0.84	0.92
Backward production length							
Air transport	1.27	2.59	2.63	2.73	2.77	3.12	3.21
Transport activities, NEC	1.68	2.38	2.57	2.64	2.54	2.95	2.98
Construction	2.40	2.62	2.77	2.85	2.80	2.89	2.95
Forward production length							
Chemicals	-	3.33	3.28	3.21	3.08	4.21	4.35
Mining	3.96	3.51	3.79	3.53	3.43	3.58	3.69
Metals	3.12	3.08	2.14	1.94	1.89	3.22	3.22
Backward production length of GVC segment							
Refined fuels	3.65	3.44	4.33	3.82	4.12	4.75	5.03
Agriculture	3.36	3.72	3.83	3.88	3.83	3.89	3.99
Food and beverages	3.62	3.74	3.85	3.91	3.74	3.85	3.95
Forward production length of GVC segment							
Real estate	3.16	5.22	5.03	5.03	4.40	5.40	5.54
Finance	4.90	5.02	5.11	5.14	4.80	5.27	5.43
Sale of motor vehicles	4.36	4.73	4.83	4.72	4.27	5.16	5.34
Backward agglomeration index							
Rubber and plastics	-	0.00	1.29	0.00	0.63	2.57	2.35
Electricals	-	0.00	2.42	2.21	1.18	1.94	1.66
Refined fuels	-	1.11	0.27	0.52	0.61	1.91	1.63
Forward agglomeration index							
Manufacturing, NEC	-	0.51	1.38	1.41	1.47	1.22	1.86
Rubber and plastics	-	1.34	1.46	1.35	1.36	1.57	1.54
Electricals	-	0.75	2.06	1.87	1.44	1.73	1.52

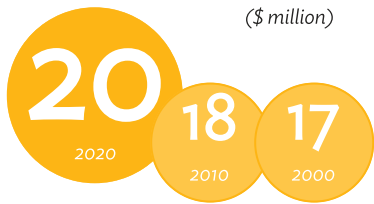
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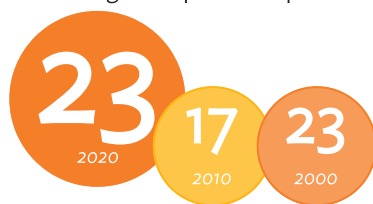
The four select sectors are chosen based on their gross outputs in the economy as of 2019.

Economy Ranking out of 25 Economies

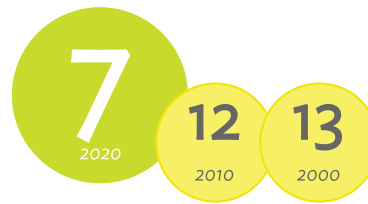
Value-Added at Basic Prices
(\$ million)



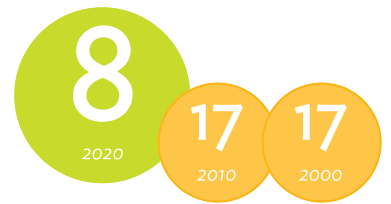
Average Output Multiplier



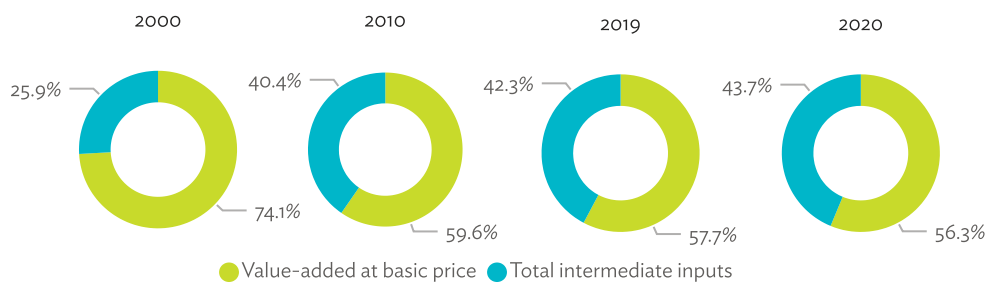
Trade Openness



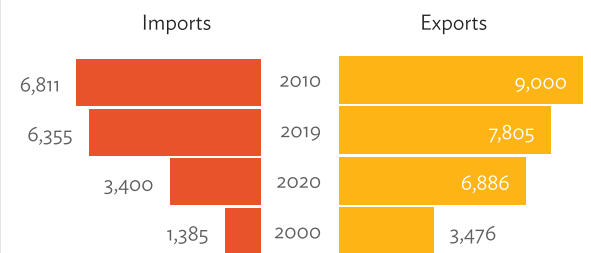
Trade-Based GVC Participation



Share of Intermediate Consumption and Gross Value-Added in Output

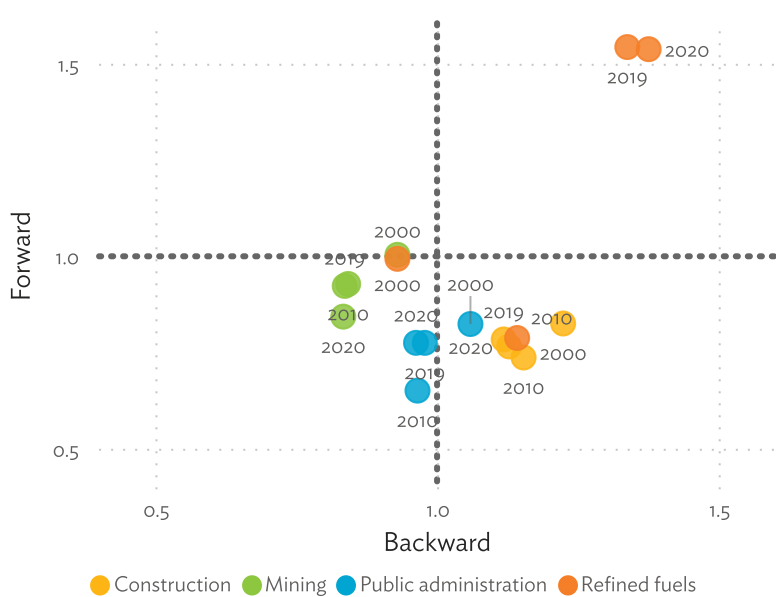


Imports and Exports, 2019-2020
(\$ million)

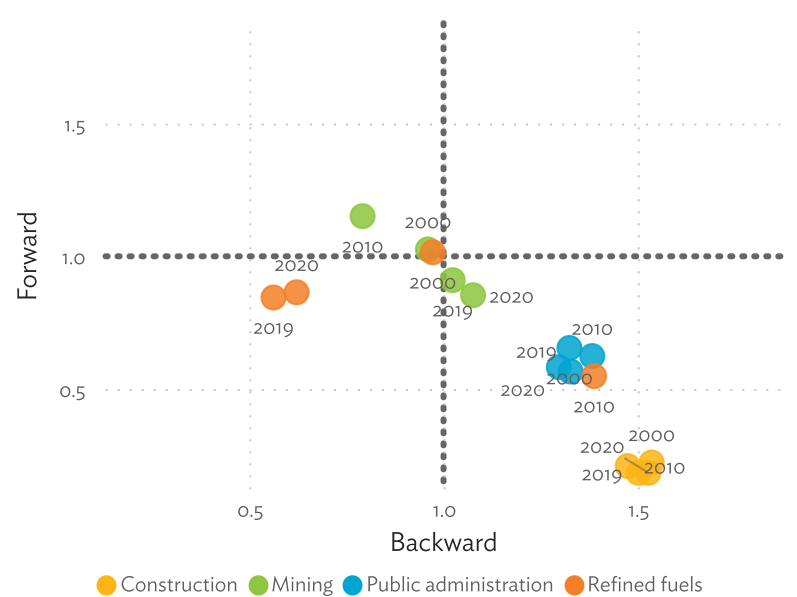


Domestic Linkages

Normalized Linkages



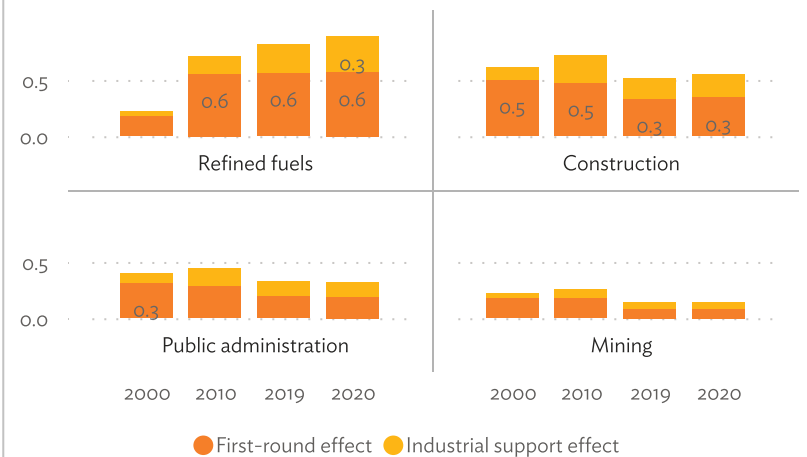
Net Linkages



Value-Added Multipliers



Production-Induced Effect



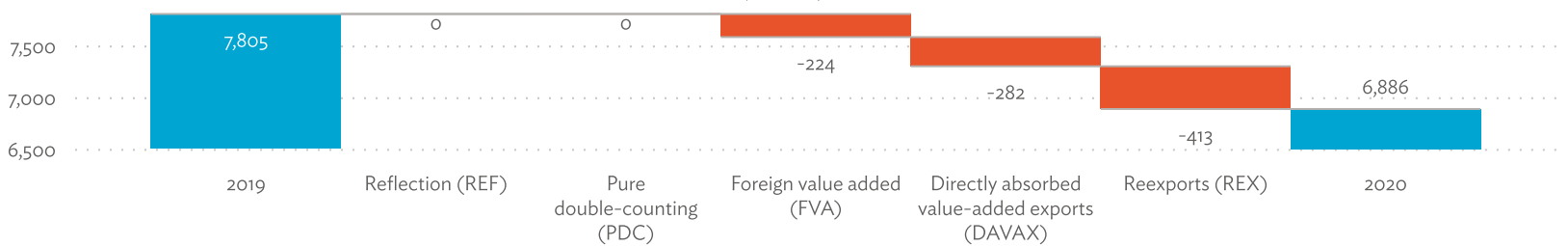
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Southeast Asia and the Pacific

International Linkages

Change in Exports, by Value-Added Components, 2019-2020

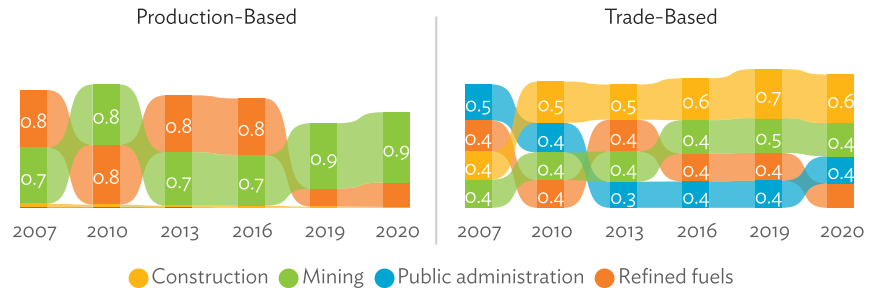
(\$ million)



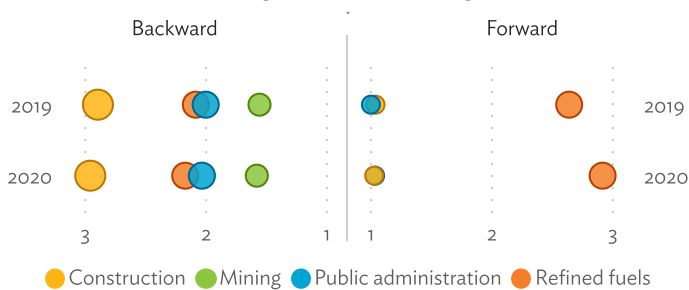
Import Multipliers



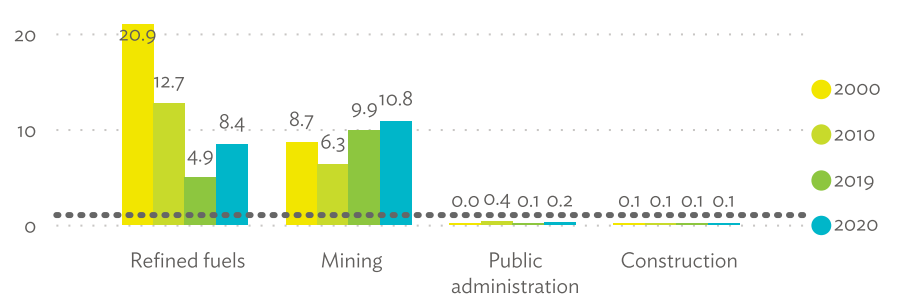
GVC Participation Rates



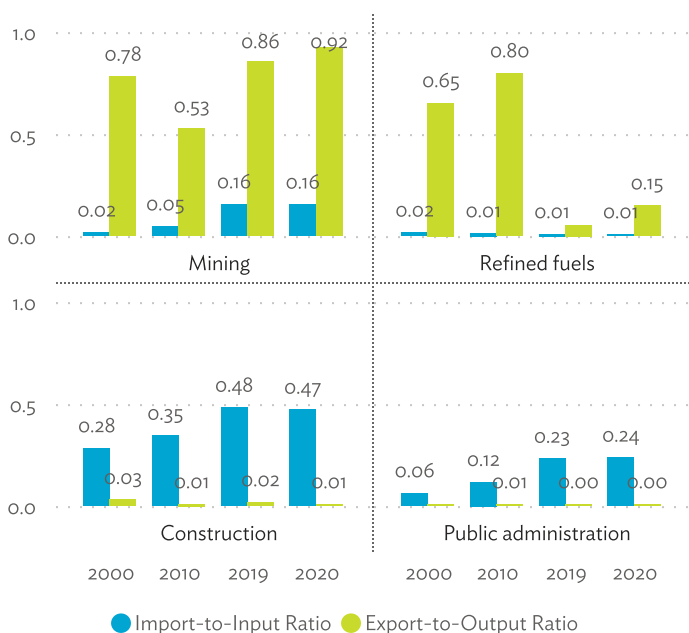
Average Production Length



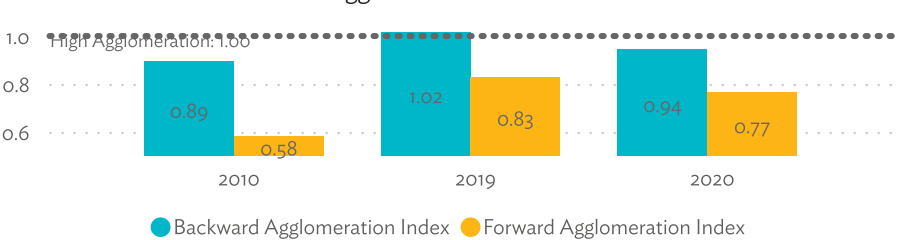
New Revealed Comparative Advantage



Trade Orientation

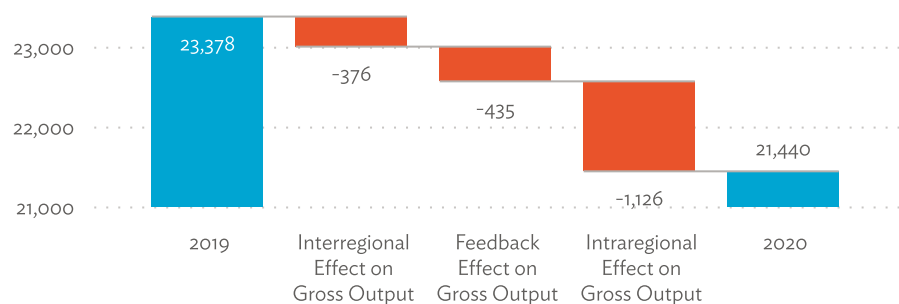


Agglomeration Indices



Domestic Transfer Effects and International Spillover Effects

(\$ million)



GVC = global value chain; NEC = not elsewhere classified.

Source: Calculations using the Asian Development Bank Multiregional Input-Output Table. <https://mrio.adb.online/> (accessed July 2021).