

Economic Aggregates (\$ million)	2000	2007	2010	2013	2016	2019	2020
Value-added at basic price	17,264	97,348	135,500	208,137	125,967	168,993	159,982
Gross output	40,786	197,889	246,553	357,549	211,520	291,651	276,168
Total intermediate inputs	23,005	96,696	106,450	145,536	84,465	119,791	113,899
Taxes less subsidies on products	518	3,845	4,603	3,876	1,087	2,867	2,287
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	8,794	35,643	55,309	87,868	60,185	80,471	75,872
Final consumption expenditure by NPISHs	104	1,212	1,214	2,272	1,556	2,105	1,963
Government final consumption expenditure	2,085	11,167	15,240	23,890	15,966	17,138	21,832
Gross fixed capital formation	1,586	17,684	21,182	34,637	20,528	28,481	27,780
Changes in inventories	355	5,638	1,815	3,847	4,706	5,675	6,884
Total final demand	12,925	71,344	94,760	152,515	102,941	133,870	134,330
Exports	9,065	50,998	62,624	86,728	39,751	66,198	53,391
Imports	8,161	44,472	42,032	60,341	37,425	51,629	47,622

Economic Aggregates, Top 3 Sectors (\$ million)	2000	2007	2010	2013	2016	2019	2020
<b>Value-added at basic price</b>							
Mining	1,855	16,867	30,161	44,575	18,594	26,211	21,318
Wholesale trade	1,184	9,695	15,284	22,827	16,717	20,154	18,638
<b>Gross output</b>							
Mining	5,128	37,793	55,155	77,894	32,500	50,047	40,704
Wholesale trade	2,006	14,723	23,881	32,609	23,142	30,380	28,078
Business activities, NEC	1,319	9,958	11,136	16,050	11,991	20,381	19,016
<b>Total intermediate inputs</b>							
Mining	3,169	20,316	24,120	32,037	13,768	23,445	19,123
Wholesale trade	734	4,728	7,627	9,746	6,413	10,196	9,417
Construction	788	11,589	9,771	15,607	7,898	7,938	8,242
<b>Total final demand</b>							
Real estate	1,333	10,993	14,242	19,115	14,306	16,372	16,030
Construction	914	14,404	14,516	23,243	11,425	13,973	14,770
Agriculture	1,062	4,826	6,524	10,349	7,046	10,109	11,632
<b>Exports</b>							
Mining	1,829	23,277	34,362	51,339	17,724	38,097	31,639
Metals	4,527	6,205	9,479	9,066	5,853	10,082	7,660
Refined fuels	1,069	3,091	2,201	3,943	1,012	4,438	4,061
<b>Imports</b>							
Machinery, NEC	870	7,059	4,963	8,318	5,214	7,698	7,531
Electricals	442	3,911	3,672	6,732	3,931	4,722	4,609
Metals	446	4,067	4,262	5,808	2,789	4,731	4,540

## Domestic Linkages

Indicator and Top 3 Sectors, 2020	2000	2007	2010	2013	2016	2019	2020
<b>First-round effect</b>							
Public administration	0.42	0.41	0.44	0.38	0.48	0.50	0.52
Refined fuels	0.61	0.69	0.56	0.48	0.59	0.48	0.49
Water transport	0.38	0.47	0.37	0.28	0.44	0.46	0.46
<b>Industrial support effect</b>							
Refined fuels	0.57	0.44	0.32	0.23	0.28	0.22	0.23
Public administration	0.31	0.21	0.24	0.17	0.21	0.19	0.21
Electricals	0.54	0.20	0.29	0.30	0.29	0.19	0.20
<b>Production-induced effect</b>							
Public administration	0.73	0.62	0.68	0.55	0.70	0.69	0.73
Refined fuels	1.18	1.13	0.88	0.70	0.86	0.70	0.72
Water transport	0.74	0.72	0.57	0.44	0.67	0.64	0.66

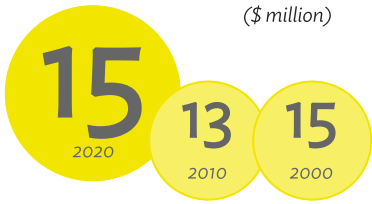
Indicator and Top 3 Sectors, 2020	2000	2007	2010	2013	2016	2019	2020
<b>Simple value-added multiplier</b>							
Real estate	0.75	0.84	0.93	0.93	0.95	0.92	0.93
Refined fuels	0.75	0.75	0.84	0.85	0.92	0.92	0.92
Metals	0.84	0.83	0.92	0.90	0.91	0.90	0.90
<b>Type I value-added multiplier</b>							
Public administration	1.71	1.74	1.85	1.63	1.99	2.11	2.18
Water transport	1.61	1.79	1.69	1.51	1.89	2.01	2.05
Refined fuels	2.81	4.23	2.46	2.00	2.32	1.82	1.86
<b>Direct backward linkage</b>							
Public administration	0.42	0.41	0.44	0.38	0.48	0.50	0.52
Refined fuels	0.61	0.69	0.56	0.48	0.59	0.48	0.49
Water transport	0.38	0.47	0.37	0.28	0.44	0.46	0.46
<b>Complete hypothetical extraction (backward)</b>							
Public administration	1.73	1.62	1.68	1.55	1.70	1.69	1.73
Refined fuels	1.88	2.11	1.79	1.69	1.84	1.70	1.72
Water transport	1.73	1.71	1.49	1.43	1.66	1.64	1.66
<b>Partial hypothetical extraction (backward)</b>							
Public administration	0.73	0.62	0.68	0.55	0.70	0.69	0.73
Refined fuels	1.02	1.12	0.84	0.70	0.85	0.70	0.72
Water transport	0.73	0.71	0.55	0.43	0.67	0.64	0.66
<b>Total backward linkage</b>							
Public administration	1.73	1.62	1.68	1.55	1.70	1.69	1.73
Refined fuels	2.18	2.13	1.88	1.70	1.86	1.70	1.72
Water transport	1.74	1.72	1.57	1.44	1.67	1.64	1.66
<b>Direct forward linkage</b>							
Finance	0.75	0.86	0.91	0.81	0.78	0.81	0.86
Paper	0.68	0.60	0.85	0.83	0.93	0.77	0.83
Minerals, NEC	0.41	0.51	0.75	0.82	0.85	0.78	0.79
<b>Complete hypothetical extraction (forward)</b>							
Paper	1.82	1.88	2.25	2.17	2.34	2.20	2.29
Finance	2.30	1.44	2.22	2.01	1.93	1.99	2.02
Machinery, NEC	1.91	1.67	2.32	2.28	2.29	2.12	2.00
<b>Partial hypothetical extraction (forward)</b>							
Paper	0.98	0.91	1.28	1.20	1.34	1.20	1.30
Finance	1.35	1.02	1.31	1.12	1.03	1.11	1.16
Minerals, NEC	0.55	0.77	1.00	1.12	1.11	1.01	1.02
<b>Total forward linkage</b>							
Finance	2.41	3.43	2.45	2.27	2.15	2.27	2.36
Paper	2.16	1.94	2.33	2.23	2.35	2.21	2.31
Minerals, NEC	1.66	1.82	2.06	2.19	2.18	2.07	2.09
<b>Normalized backward linkage</b>							
Public administration	1.01	1.04	1.10	1.05	1.13	1.21	1.22
Refined fuels	1.28	1.37	1.24	1.15	1.24	1.21	1.22
Water transport	1.02	1.11	1.03	0.97	1.11	1.17	1.18
<b>Normalized forward linkage</b>							
Finance	1.47	2.04	1.57	1.48	1.39	1.58	1.65
Paper	1.31	1.15	1.50	1.45	1.52	1.54	1.61
Minerals, NEC	1.01	1.08	1.32	1.43	1.41	1.45	1.46
<b>Net backward linkage</b>							
Public administration	1.73	1.62	1.68	1.55	1.69	1.68	1.72
Refined fuels	1.18	1.65	1.19	0.99	0.63	1.69	1.72
Water transport	1.45	0.96	0.45	0.25	0.34	1.62	1.66
<b>Net forward linkage</b>							
Finance	1.61	0.46	1.69	1.63	1.58	1.52	1.55
Rubber and plastics	0.66	1.04	0.80	0.82	0.81	1.60	1.54
Paper	0.82	1.18	1.16	1.13	1.18	1.25	1.32

Indicator and Top 3 Sectors, 2020	2000	2007	2010	2013	2016	2019	2020
<b>Self-sufficiency ratio</b>							
Mining	1.23	2.09	2.34	2.63	2.04	3.65	3.77
Refined fuels	1.37	1.90	1.24	1.33	1.13	2.95	3.00
Air transport	0.38	1.27	1.05	0.96	0.82	2.28	2.00
<b>Import-to-input ratio</b>							
Manufacturing, NEC	0.34	0.17	0.30	0.33	0.26	0.33	0.34
Leather	0.21	0.12	0.19	0.25	0.25	0.28	0.28
Transport equipment	0.12	0.13	0.20	0.13	0.20	0.26	0.26
<b>Export-to-output ratio</b>							
Refined fuels	0.35	0.64	0.49	0.51	0.32	0.99	1.00
Water transport	0.75	0.43	0.18	0.03	0.03	0.99	1.00
Transport equipment	0.12	0.14	0.35	0.17	0.26	0.99	0.92
<b>Domestic inputs share to output</b>							
Public administration	0.42	0.41	0.44	0.38	0.48	0.50	0.52
Refined fuels	0.61	0.69	0.56	0.48	0.59	0.48	0.49
Water transport	0.38	0.47	0.37	0.28	0.44	0.46	0.46
<b>Foreign inputs share to output</b>							
Manufacturing, NEC	0.34	0.17	0.30	0.33	0.26	0.33	0.34
Leather	0.21	0.12	0.19	0.25	0.25	0.28	0.28
Transport equipment	0.12	0.13	0.20	0.13	0.20	0.26	0.26
<b>Backward import multipliers</b>							
Manufacturing, NEC	0.41	0.26	0.33	0.36	0.28	0.35	0.35
Leather	0.28	0.16	0.23	0.28	0.28	0.29	0.29
Transport equipment	0.20	0.20	0.23	0.17	0.23	0.29	0.29
<b>Forward import multipliers</b>							
Refined fuels	0.48	0.58	0.53	0.52	0.36	0.94	0.95
Mining	0.70	0.83	0.83	0.82	0.63	0.74	0.81
Water transport	0.81	0.61	0.58	0.42	0.29	0.73	0.73
<b>Intraregional transfer multiplier</b>							
Public administration	1.73	1.62	1.68	1.55	1.70	1.69	1.73
Refined fuels	2.18	2.13	1.88	1.70	1.86	1.70	1.72
Water transport	1.74	1.72	1.57	1.44	1.67	1.64	1.66
<b>Interregional spillover multiplier</b>							
Manufacturing, NEC	1.63	1.35	1.64	1.69	1.53	1.68	1.70
Leather	1.41	1.24	1.44	1.62	1.59	1.69	1.70
Transport equipment	1.24	1.25	1.41	1.28	1.42	1.55	1.56
<b>Interregional feedback multiplier</b>							
Transport equipment	1.05	1.07	1.11	1.08	1.12	1.14	1.14
Manufacturing, NEC	1.10	1.07	1.12	1.12	1.10	1.13	1.13
Paper	1.06	1.06	1.10	1.06	1.10	1.12	1.11
<b>Intraregional effect on gross output (\$ million)</b>							
Wholesale trade	950.09	6,790.62	12,457.41	16,203.64	12,577.72	21,767.73	20,756.13
Construction	1,273.80	20,929.05	18,277.46	30,436.89	14,292.68	17,405.32	18,147.45
Real estate	1,585.52	13,795.65	15,390.85	20,741.02	15,436.23	18,423.89	17,990.65
<b>Interregional effect on gross output (\$ million)</b>							
Mining	2,474.48	23,011.77	32,361.26	44,532.55	14,032.28	26,204.36	23,976.43
Metals	5,448.59	5,669.18	8,719.50	6,995.34	4,466.37	8,646.78	7,225.07
Wholesale trade	738.36	6,007.44	8,669.83	12,442.86	7,914.32	6,383.27	5,581.23
<b>Feedback effect on gross output (\$ million)</b>							
Mining	1,113.14	8,279.17	13,203.88	19,414.51	6,567.50	11,022.41	8,975.95
Metals	2,552.58	2,932.85	3,971.91	3,665.72	2,469.32	2,638.95	1,809.28
Wholesale trade	317.64	1,924.77	2,753.60	3,962.50	2,649.60	2,228.75	1,740.32
<b>Directly absorbed value-added exports (DAVAX) (\$ million)</b>							
Mining	857.52	12,234.92	18,905.52	27,422.54	9,739.06	21,351.10	17,686.35
Metals	2,089.84	2,492.85	4,545.22	4,044.35	2,665.50	5,834.14	4,716.30
Refined fuels	538.62	1,653.71	1,327.65	2,640.54	747.65	2,944.39	2,738.50
<b>Reflection (REF) (\$ million)</b>							
Mining	1.75	25.22	36.64	67.78	13.93	31.33	30.86
Metals	12.46	17.13	18.11	24.73	9.61	21.79	20.46
Refined fuels	2.50	6.47	4.70	9.69	3.22	10.93	8.63

Indicator and Top 3 Sectors, 2020	2000	2007	2010	2013	2016	2019	2020
<b>Reexports (REX) (\$ million)</b>							
Mining	587.85	6,626.07	11,785.05	18,375.59	6,110.32	11,217.95	9,538.77
Metals	1,714.27	2,659.84	4,115.59	4,125.41	2,677.45	3,228.48	2,191.31
Refined fuels	261.42	654.69	524.03	720.21	184.77	1,110.09	983.45
<b>Foreign value added (FVA) (\$ million)</b>							
Mining	379.84	4,369.74	3,618.38	5,439.78	1,855.38	5,478.46	4,369.29
Metals	704.80	1,029.86	796.09	865.29	499.11	992.87	728.70
Refined fuels	265.58	772.94	343.09	570.83	75.87	371.30	329.32
<b>Pure double-counting (PDC) (\$ million)</b>							
Mining	1.98	21.49	16.27	33.35	5.55	18.44	13.98
Metals	5.39	5.77	4.39	6.46	1.55	4.44	2.88
Refined fuels	1.26	2.72	1.11	1.76	0.20	1.40	1.12
<b>Trade-based GVC participation rate</b>							
Chemicals	0.53	0.43	0.50	0.39	0.26	0.54	0.53
Leather	0.33		0.35	0.39	0.34	0.55	0.50
Water transport	0.56	0.54	0.52	0.55	0.53	0.49	0.48
<b>Production-based GVC participation rate</b>							
Refined fuels	0.48	0.58	0.53	0.52	0.36	0.94	0.95
Mining	0.70	0.83	0.83	0.82	0.63	0.74	0.81
Water transport	0.81	0.61	0.58	0.42	0.29	0.73	0.73
<b>Trade-based backward GVC participation rate</b>							
Manufacturing, NEC	0.41	0.26	0.33	0.36	0.28	0.35	0.35
Leather	0.28		0.23	0.28	0.28	0.29	0.29
Transport equipment	0.20	0.20	0.23	0.17	0.23	0.29	0.29
<b>Trade-based forward GVC participation rate</b>							
Chemicals	0.23	0.26	0.25	0.18	0.13	0.34	0.33
Mining	0.32	0.29	0.34	0.36	0.35	0.30	0.30
Metals	0.38	0.43	0.44	0.46	0.46	0.32	0.29
<b>Traditional revealed comparative advantage</b>							
Mining	3.35	5.76	6.50	6.31	6.65	8.54	9.09
Metals	8.38	1.62	2.24	1.62	2.31	2.31	2.21
Refined fuels	4.92	1.58	0.87	0.95	0.65	1.93	2.17
<b>New revealed comparative advantage</b>							
Mining	2.74	3.98	4.29	4.39	4.24	5.07	5.99
Refined fuels	5.89	0.91	1.17	1.74	1.33	2.77	3.13
Metals	8.24	1.38	2.11	1.42	2.19	2.66	2.61
<b>Backward production length</b>							
Water transport	2.19	2.14	2.10	2.14	2.07	2.20	2.21
Transport equipment	2.28	2.20	2.20	2.15	2.23	2.13	2.14
Public administration	2.13	2.09	1.95	1.83	2.04	2.12	2.12
<b>Forward production length</b>							
Refined fuels	3.02	2.85	3.01	3.10	2.98	3.58	3.74
Mining	4.04	3.73	3.87	3.89	3.33	3.30	3.49
Water transport	3.39	3.34	3.89	3.43	3.12	3.06	3.02
<b>Backward production length of GVC segment</b>							
Refined fuels	3.92	3.90	3.74	3.83	4.74	4.48	4.52
Education	3.85	4.09	4.10	4.05	4.19	4.04	4.12
Metals	4.30	4.39	4.29	4.18	4.36	4.09	4.12
<b>Forward production length of GVC segment</b>							
Real estate	5.97	5.31	5.54	5.05	5.19	5.48	5.63
Finance	5.52	6.30	5.36	5.35	5.14	5.27	5.38
Paper	5.49	4.66	4.94	4.90	4.94	4.89	5.23
<b>Backward agglomeration index</b>							
Rubber and plastics	-	1.20	1.28	1.90	1.83	4.18	3.74
Electricals	-	1.88	2.30	1.28	1.62	2.70	2.89
Metals	-	1.50	0.97	1.47	1.35	1.80	2.03
<b>Forward agglomeration index</b>							
Electricals	-	1.87	2.04	1.13	1.47	2.08	2.16
Manufacturing, NEC	-	0.85	1.77	1.74	1.61	2.06	1.82
Rubber and plastics	-	1.23	1.50	1.60	1.53	1.37	1.43

## Economy Ranking out of 25 Economies

Value-Added at Basic Prices  
(\$ million)



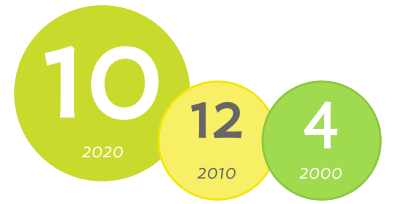
Average Output Multiplier



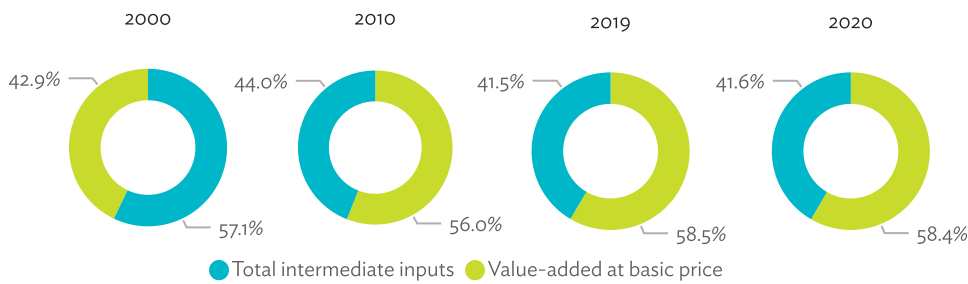
Trade Openness



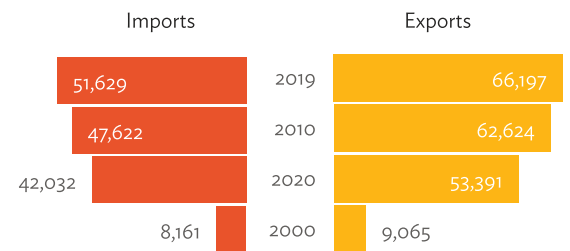
Trade-Based GVC Participation



Share of Intermediate Consumption and Gross Value-Added in Output

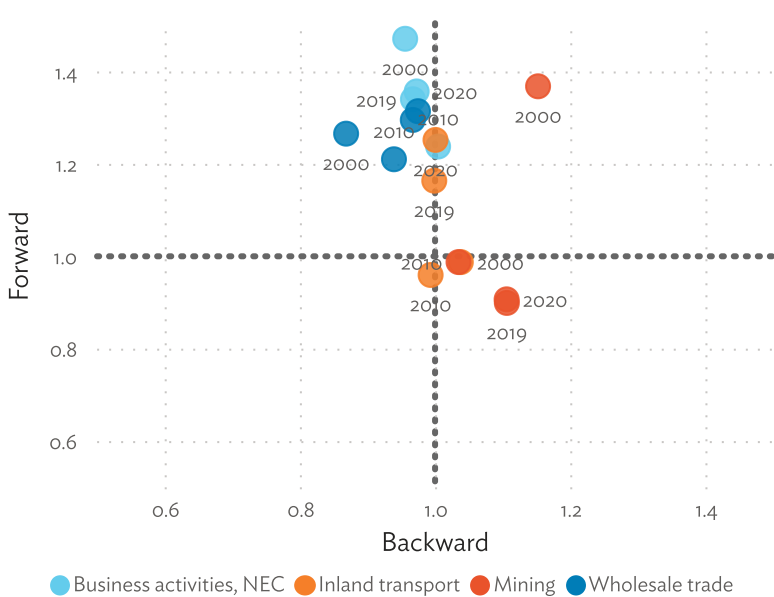


Imports and Exports, 2019-2020  
(\$ million)

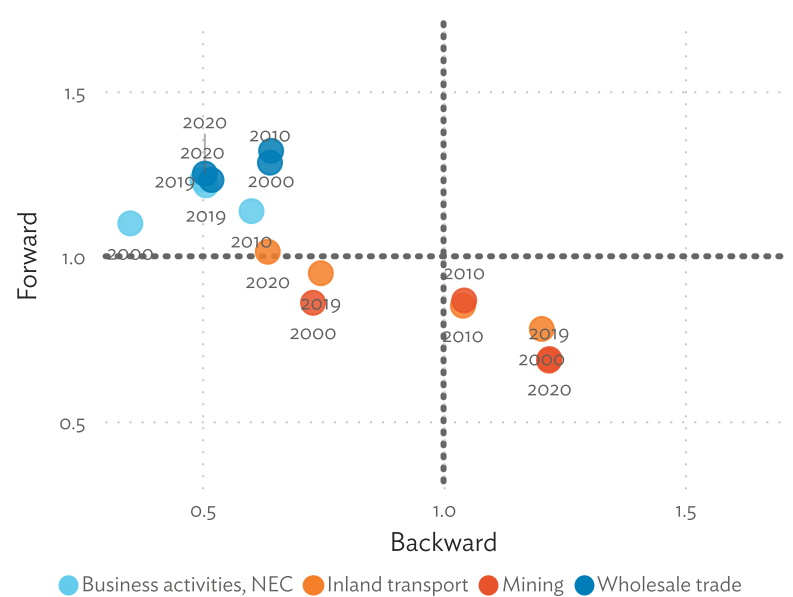


## Domestic Linkages

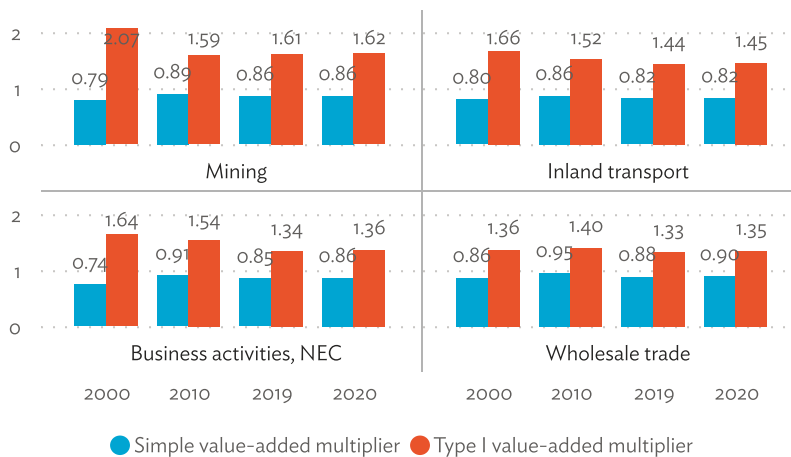
Normalized Linkages



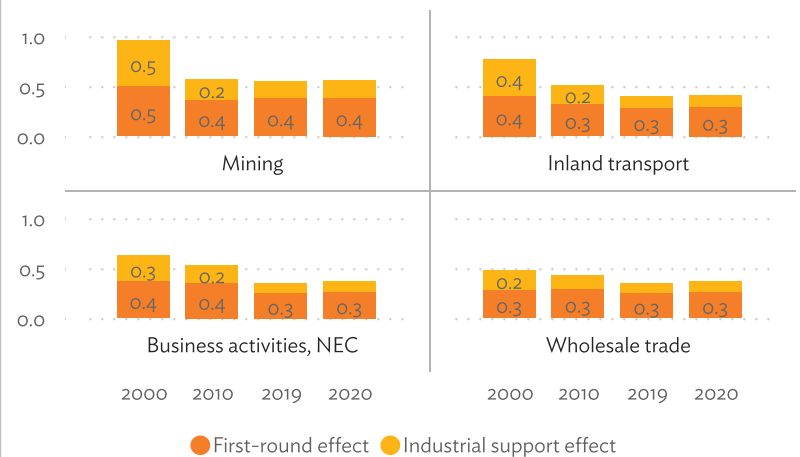
Net Linkages



Value-Added Multipliers

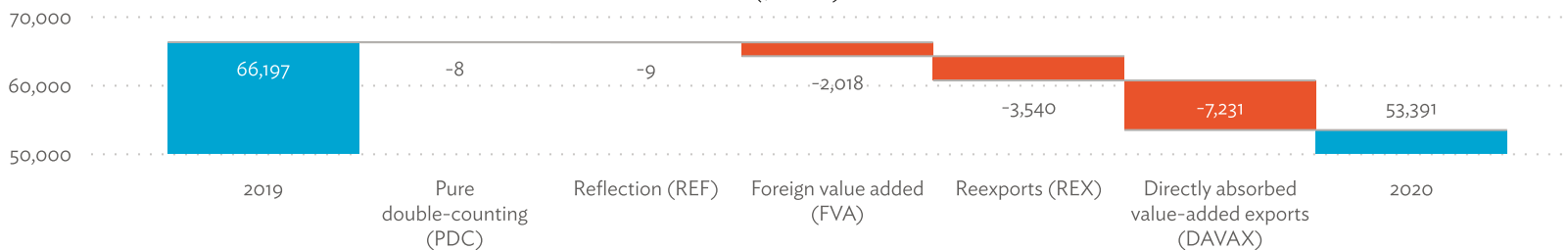


Production-Induced Effect

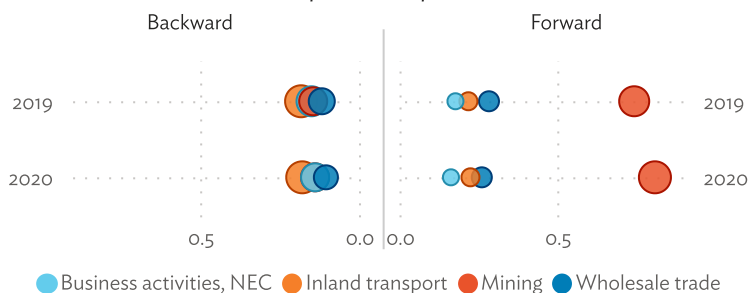


## International Linkages

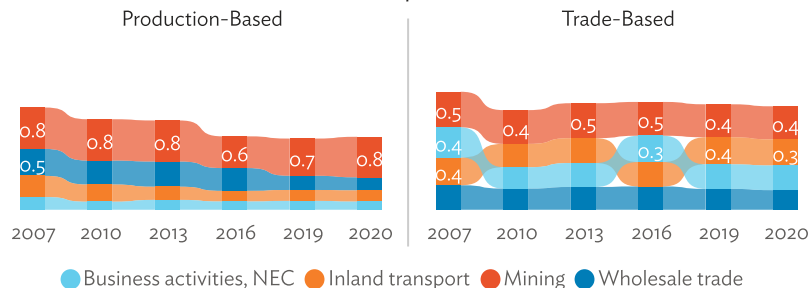
Change in Exports, by Value-Added Components, 2019-2020  
(\$ million)



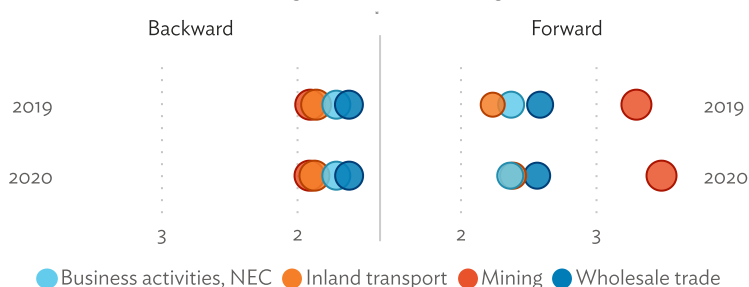
Import Multipliers



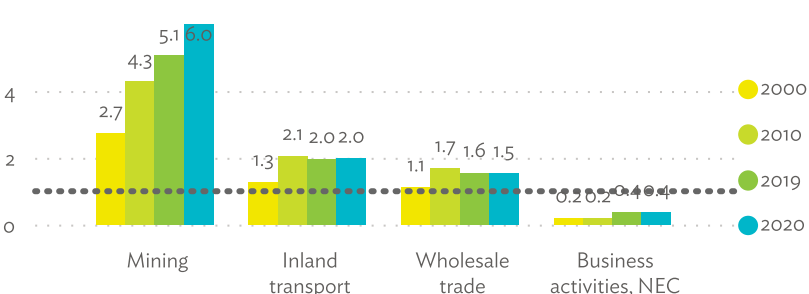
GVC Participation Rates



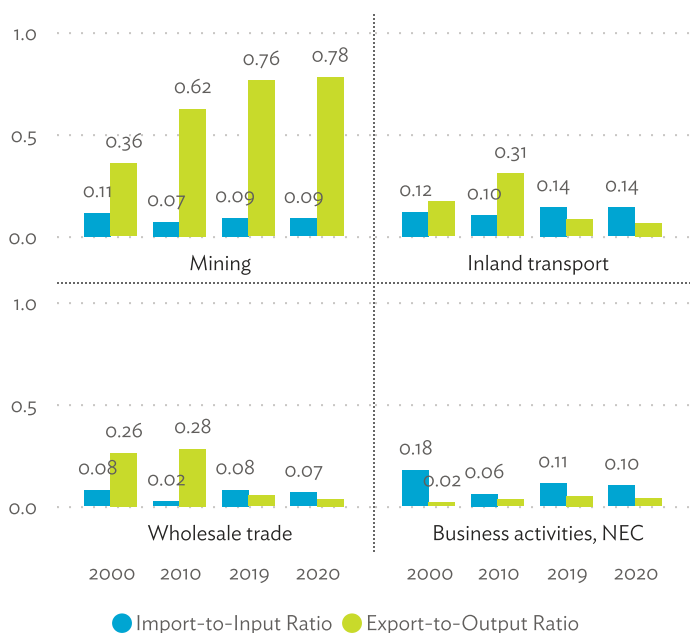
Average Production Length



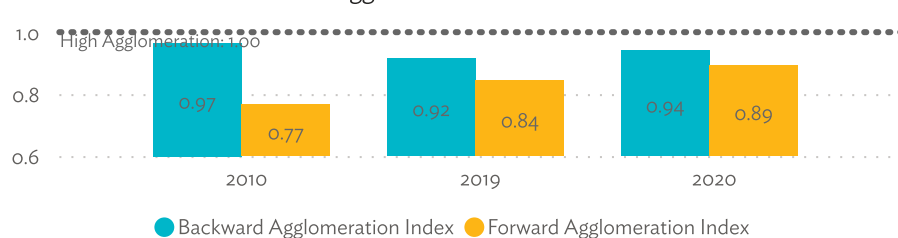
New Revealed Comparative Advantage



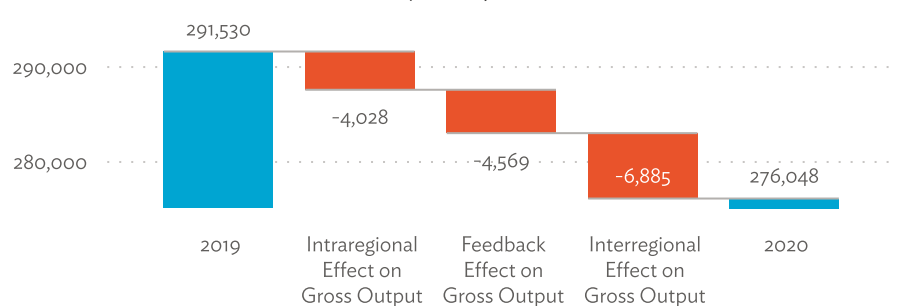
Trade Orientation



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).