

# Lao People's Democratic Republic

Southeast Asia and the Pacific

Basic Economic Indicators

Economic Aggregates (\$ million)	2000	2007	2010	2013	2016	2019	2020
Value-added at basic price	1,546	3,940	6,347	11,466	13,983	16,803	17,166
Gross output	2,360	6,300	10,364	18,935	23,013	28,004	28,181
Total intermediate inputs	768	2,195	3,798	7,153	8,352	10,362	10,012
Taxes less subsidies on products	46	166	219	316	678	840	1,003
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	1,159	2,386	3,838	6,727	7,238	9,374	9,256
Final consumption expenditure by NPISHs	0	0	0	0	0	0	0
Government final consumption expenditure	106	522	840	1,789	1,950	2,427	2,382
Gross fixed capital formation	131	958	1,520	1,905	1,858	3,113	3,519
Changes in inventories	0	0	-2E-16	0	0	0	0
Total final demand	1,395	3,866	6,198	10,421	11,047	14,914	15,157
Exports	452	924	1,548	3,680	5,646	6,985	6,489
Imports	693	959	1,640	5,560	5,768	7,518	5,819

Economic Aggregates, Top 3 Sectors (\$ million)	2000	2007	2010	2013	2016	2019	2020
<b>Value-added at basic price</b>							
Agriculture	751	1,292	1,832	2,065	2,520	2,866	3,010
Utilities	72	107	244	670	1,069	1,915	2,539
Public administration	48	231	470	1,145	1,432	1,699	1,783
<b>Gross output</b>							
Construction	258	650	1,029	2,528	3,580	4,689	4,836
Agriculture	866	1,491	2,115	2,383	2,858	3,251	3,414
Utilities	93	139	317	871	1,341	2,404	3,186
<b>Total intermediate inputs</b>							
Construction	170	425	678	1,641	2,246	2,904	2,923
Food and beverages	131	328	592	840	959	1,188	1,216
Public administration	26	125	263	635	895	1,067	1,108
<b>Total final demand</b>							
Construction	162	622	997	1,966	1,884	3,263	3,522
Public administration	65	367	733	1,625	2,201	2,750	2,870
Retail trade	119	488	797	762	528	1,395	1,384
<b>Exports</b>							
Agriculture	110	75	102	75	557	1,578	2,717
Utilities	75	65	175	400	1,240	1,805	1,441
Mining	5	573	806	2,603	1,857	670	550
<b>Imports</b>							
Metals	292	276	562	1,915	1,541	2,401	2,029
Refined fuels	174	267	525	1,234	1,082	1,587	1,322
Electricals	35	49	89	537	811	614	457

## Domestic Linkages

Indicator and Top 3 Sectors, 2020	2000	2007	2010	2013	2016	2019	2020
<b>First-round effect</b>							
Food and beverages	0.61	0.61	0.61	0.62	0.57	0.52	0.54
Wood	0.50	0.50	0.50	0.49	0.47	0.45	0.45
Hotels and restaurants	0.00	0.46	0.49	0.47	0.46	0.43	0.43
<b>Industrial support effect</b>							
Wood	0.07	0.09	0.12	0.13	0.09	0.14	0.17
Food and beverages	0.10	0.11	0.13	0.15	0.13	0.13	0.16
Paper	0.07	0.09	0.11	0.13	0.09	0.12	0.15
<b>Production-induced effect</b>							
Food and beverages	0.70	0.72	0.74	0.76	0.71	0.65	0.70
Wood	0.57	0.59	0.62	0.63	0.56	0.59	0.62
Hotels and restaurants	0.00	0.65	0.71	0.67	0.65	0.57	0.57

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Domestic Linkages

Indicator and Top 3 Sectors, 2020	2000	2007	2010	2013	2016	2019	2020
<b>Simple value-added multiplier</b>							
Finance	0.89	0.89	0.92	0.91	0.96	0.94	0.96
Real estate	0.00	0.97	0.97	0.96	0.97	0.96	0.96
Agriculture	0.96	0.96	0.96	0.95	0.97	0.95	0.96
<b>Type I value-added multiplier</b>							
Food and beverages	2.82	2.78	2.79	2.85	2.67	2.44	2.48
Air transport	1.49	1.62	1.51	1.54	1.10	1.36	2.46
Water transport	1.40	1.51	1.41	1.43	1.00	1.12	2.09
<b>Direct backward linkage</b>							
Food and beverages	0.61	0.61	0.61	0.62	0.57	0.52	0.54
Wood	0.50	0.50	0.50	0.49	0.47	0.45	0.45
Hotels and restaurants	0.00	0.46	0.49	0.47	0.46	0.43	0.43
<b>Complete hypothetical extraction (backward)</b>							
Food and beverages	1.63	1.64	1.61	1.62	1.60	1.55	1.58
Hotels and restaurants	1.00	1.65	1.71	1.67	1.65	1.57	1.57
Paper	1.57	1.58	1.60	1.60	1.51	1.52	1.55
<b>Partial hypothetical extraction (backward)</b>							
Food and beverages	0.67	0.69	0.68	0.70	0.66	0.61	0.65
Hotels and restaurants	0.00	0.65	0.71	0.67	0.65	0.57	0.57
Paper	0.57	0.58	0.60	0.61	0.51	0.52	0.55
<b>Total backward linkage</b>							
Food and beverages	1.70	1.72	1.74	1.76	1.71	1.65	1.70
Wood	1.57	1.59	1.62	1.63	1.56	1.59	1.62
Hotels and restaurants	1.00	1.65	1.71	1.67	1.65	1.57	1.57
<b>Direct forward linkage</b>							
Inland transport	0.64	0.87	0.82	0.85	0.59	0.61	0.69
Minerals, NEC	0.95	0.97	0.97	0.98	0.83	0.57	0.66
Refined fuels	0.57	0.69	0.64	0.66	0.72	0.55	0.59
<b>Complete hypothetical extraction (forward)</b>							
Inland transport	1.78	2.05	1.97	2.10	1.80	1.77	1.89
Minerals, NEC	2.06	1.98	1.93	2.18	2.22	1.71	1.81
Refined fuels	1.79	1.95	1.86	1.91	1.99	1.68	1.73
<b>Partial hypothetical extraction (forward)</b>							
Inland transport	0.83	1.10	1.02	1.13	0.83	0.79	0.91
Minerals, NEC	1.21	1.03	1.01	1.22	1.26	0.75	0.86
Refined fuels	0.81	0.97	0.88	0.92	1.01	0.70	0.76
<b>Total forward linkage</b>							
Inland transport	1.88	2.16	2.08	2.18	1.84	1.80	1.92
Minerals, NEC	2.43	2.08	2.10	2.27	2.30	1.79	1.91
Refined fuels	1.83	1.98	1.89	1.94	2.03	1.71	1.78
<b>Normalized backward linkage</b>							
Food and beverages	1.33	1.30	1.31	1.34	1.30	1.31	1.31
Wood	1.23	1.21	1.22	1.24	1.19	1.26	1.24
Hotels and restaurants	0.78	1.25	1.29	1.27	1.26	1.25	1.21
<b>Normalized forward linkage</b>							
Inland transport	1.40	1.48	1.44	1.40	1.19	1.45	1.47
Minerals, NEC	1.81	1.43	1.46	1.46	1.48	1.44	1.47
Refined fuels	1.36	1.36	1.31	1.25	1.30	1.38	1.37
<b>Net backward linkage</b>							
Paper	1.51	0.93	0.98	0.86	1.21	1.52	1.55
Hotels and restaurants	0.00	1.55	1.63	1.58	1.57	1.57	1.55
Food and beverages	1.59	1.56	1.54	1.41	1.41	1.43	1.50
<b>Net forward linkage</b>							
Business activities, NEC	0.00	1.41	1.44	1.45	1.40	1.19	1.24
Inland transport	0.98	1.15	1.09	1.24	1.16	1.10	1.23
Wholesale trade	1.01	1.08	1.00	1.12	1.27	1.12	1.19

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International Linkages

Indicator and Top 3 Sectors, 2020	2000	2007	2010	2013	2016	2019	2020
<b>Self-sufficiency ratio</b>							
Chemicals	0.99	0.89	0.97	0.98	1.10	23.07	35.77
Leather	1.44	1.17	1.38	1.12	2.34	5.62	7.08
Paper	4.33	1.59	1.73	1.38	2.59	5.58	6.66
<b>Import-to-input ratio</b>							
Air transport	0.81	0.78	0.81	0.81	0.87	0.83	0.66
Water transport	0.79	0.76	0.79	0.79	0.86	0.83	0.65
Transport activities, NEC	0.69	0.61	0.69	0.69	0.74	0.71	0.60
<b>Export-to-output ratio</b>							
Paper	0.95	0.48	0.52	0.44	0.75	1.00	1.00
Leather	0.60	0.32	0.38	0.33	0.73	1.00	1.00
Chemicals	0.10	0.03	0.04	0.03	0.13	0.99	1.00
<b>Domestic inputs share to output</b>							
Food and beverages	0.61	0.61	0.61	0.62	0.57	0.52	0.54
Wood	0.50	0.50	0.50	0.49	0.47	0.45	0.45
Hotels and restaurants	0.00	0.46	0.49	0.47	0.46	0.43	0.43
<b>Foreign inputs share to output</b>							
Air transport	0.81	0.78	0.81	0.81	0.87	0.83	0.66
Water transport	0.79	0.76	0.79	0.79	0.86	0.83	0.65
Transport activities, NEC	0.69	0.61	0.69	0.69	0.74	0.71	0.60
<b>Backward import multipliers</b>							
Air transport	0.83	0.80	0.82	0.83	0.87	0.84	0.69
Water transport	0.81	0.78	0.80	0.80	0.86	0.84	0.68
Transport activities, NEC	0.71	0.64	0.70	0.70	0.74	0.72	0.62
<b>Forward import multipliers</b>							
Metals	0.12	0.03	0.03	0.08	0.20	0.97	0.98
Chemicals	0.22	0.15	0.18	0.18	0.30	0.98	0.96
Paper	0.57	0.48	0.53	0.47	0.70	0.95	0.96
<b>Intraregional transfer multiplier</b>							
Food and beverages	1.70	1.72	1.74	1.76	1.71	1.65	1.70
Wood	1.57	1.59	1.62	1.63	1.56	1.59	1.62
Hotels and restaurants	1.00	1.65	1.71	1.67	1.65	1.57	1.57
<b>Interregional spillover multiplier</b>							
Water transport	2.33	2.28	2.47	2.51	2.84	2.39	2.09
Air transport	2.37	2.32	2.50	2.54	2.90	2.35	2.08
Metals	1.80	1.68	1.88	1.87	1.86	2.21	2.02
<b>Interregional feedback multiplier</b>							
Air transport	1.48	1.52	1.53	1.61	1.54	1.96	1.86
Water transport	1.54	1.50	1.55	1.65	1.63	1.97	1.86
Transport activities, NEC	1.48	1.45	1.50	1.56	1.51	1.89	1.81
<b>Intraregional effect on gross output (\$ million)</b>							
Construction	231.83	646.36	1,024.74	2,465.58	3,232.27	4,632.35	4,792.50
Public administration	69.76	367.70	742.89	1,743.17	2,310.26	2,806.62	2,945.61
Retail trade	177.36	696.16	1,075.06	1,211.33	1,262.14	2,206.83	2,243.35
<b>Interregional effect on gross output (\$ million)</b>							
Agriculture	90.83	85.13	120.87	108.16	466.18	1,164.72	2,173.00
Utilities	56.31	52.73	154.24	370.48	838.18	1,177.07	1,070.32
Mining	3.66	379.68	645.42	1,747.26	1,644.25	610.17	475.35
<b>Feedback effect on gross output (\$ million)</b>							
Agriculture	18.98	17.97	26.23	26.55	184.76	208.70	283.83
Utilities	15.12	16.37	40.35	110.64	223.37	330.13	260.58
Mining	0.94	109.92	112.04	462.35	419.72	128.12	90.28
<b>Directly absorbed value-added exports (DAVAX) (\$ million)</b>							
Agriculture	78.16	44.36	66.67	42.79	270.06	1,084.79	1,983.39
Utilities	44.99	42.32	107.53	244.81	837.20	1,067.53	898.18
Mining	2.78	349.29	498.41	1,595.30	1,229.14	411.35	354.01
<b>Reflection (REF) (\$ million)</b>							
Utilities	0.00	0.00	0.00	0.05	0.13	1.77	1.62
Mining	0.00	0.02	0.07	0.98	0.79	0.50	0.65
Agriculture	0.03	0.01	0.02	0.05	0.49	0.42	0.52

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Southeast Asia and the Pacific

International Linkages

Indicator and Top 3 Sectors, 2020	2000	2007	2010	2013	2016	2019	2020
<b>Reexports (REX) (\$ million)</b>							
Agriculture	27.11	27.49	30.75	28.24	267.33	412.23	613.92
Utilities	21.80	17.82	50.83	115.72	309.11	559.39	425.84
Mining	1.23	132.53	168.23	542.89	442.88	117.97	99.94
<b>Foreign value added (FVA) (\$ million)</b>							
Agriculture	4.47	2.67	4.13	3.54	18.85	80.91	119.25
Utilities	7.82	5.10	16.22	39.15	93.79	175.81	114.85
Mining	0.93	90.84	139.09	463.29	184.55	139.85	95.70
<b>Pure double-counting (PDC) (\$ million)</b>							
Agriculture	0.00	0.00	0.00	0.00	0.00	0.06	0.11
Utilities	0.00	0.00	0.00	0.01	0.03	0.13	0.10
Mining	0.00	0.00	0.01	0.07	0.04	0.10	0.08
<b>Trade-based GVC participation rate</b>							
Water transport	0.88	0.86	0.87	0.88	0.91	0.88	0.78
Transport activities, NEC	0.79	0.75	0.79	0.81	0.83	0.81	0.75
Air transport	0.88	0.85	0.87	0.88	0.92	0.87	0.75
<b>Production-based GVC participation rate</b>							
Metals	0.12	0.03	0.03	0.08	0.20	0.97	0.98
Chemicals	0.22	0.15	0.18	0.18	0.30	0.98	0.96
Paper	0.57	0.48	0.53	0.47	0.70	0.95	0.96
<b>Trade-based backward GVC participation rate</b>							
Air transport	0.83	0.80	0.82	0.83	0.87	0.84	0.69
Water transport	0.81	0.78	0.80	0.80	0.86	0.84	0.68
Transport activities, NEC	0.71	0.64	0.70	0.70	0.74	0.72	0.62
<b>Trade-based forward GVC participation rate</b>							
Chemicals	0.32	0.32	0.30	0.36	0.35	0.33	0.36
Utilities	0.29	0.27	0.29	0.29	0.25	0.31	0.30
Wood	0.11	0.17	0.14	0.16	0.11	0.23	0.25
<b>Traditional revealed comparative advantage</b>							
Utilities	30.70	11.31	24.58	24.67	39.76	42.76	33.98
Agriculture	11.27	3.98	2.91	0.86	4.21	7.83	13.59
Hotels and restaurants	0.00	0.10	0.04	0.00	0.49	10.75	4.52
<b>New revealed comparative advantage</b>							
Utilities	6.82	3.35	5.38	5.69	8.25	10.51	9.12
Agriculture	9.99	3.48	2.92	0.99	3.04	5.49	7.80
Wood	5.72	5.02	7.06	3.66	4.05	2.54	2.63
<b>Backward production length</b>							
Air transport	3.08	3.14	3.28	3.42	3.58	3.56	3.47
Water transport	3.11	3.08	3.28	3.44	3.62	3.57	3.44
Transport activities, NEC	2.88	2.83	3.03	3.17	3.28	3.27	3.18
<b>Forward production length</b>							
Paper	2.07	2.52	2.61	2.66	2.70	4.25	4.23
Chemicals	2.31	2.28	2.33	2.41	2.75	3.85	3.70
Metals	1.77	1.27	1.28	1.73	2.52	3.50	3.53
<b>Backward production length of GVC segment</b>							
Real estate	-	4.27	4.47	4.98	5.20	4.96	5.12
Education	4.20	4.06	4.25	4.20	4.98	5.02	5.10
Public administration	4.09	3.92	4.13	4.48	4.88	4.82	4.97
<b>Forward production length of GVC segment</b>							
Real estate	-	4.72	4.55	5.26	4.90	5.01	5.48
Finance	4.44	4.88	5.06	5.08	4.62	4.95	5.33
Construction	3.60	4.16	3.91	4.41	4.05	4.82	5.23
<b>Backward agglomeration index</b>							
Rubber and plastics	-	1.41	1.40	1.66	1.76	3.15	1.81
Refined fuels	-	1.46	1.42	1.51	1.43	1.59	1.66
Minerals, NEC	-	1.37	1.40	1.54	1.52	1.52	1.60
<b>Forward agglomeration index</b>							
Refined fuels	-	1.26	1.26	1.29	1.12	1.38	1.31
Business activities, NEC	-	1.24	1.19	1.25	1.15	1.24	1.27
Wholesale trade	-	1.27	1.27	1.27	0.96	1.12	1.20

CIF = cost, insurance, and freight; FOB = free on board; GVC = global value chain; NEC = not elsewhere classified; NPISHs = nonprofit institutions serving households.  
Source: Calculations using the Asian Development Bank Multiregional Input-Output Table. <https://mrio.adb.org/> (accessed July 2021).

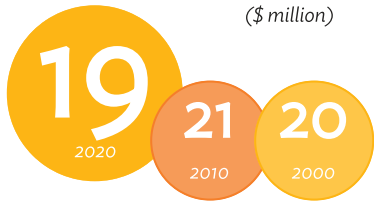
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The four select sectors are chosen based on their gross outputs in the economy as of 2019.

## Economy Ranking out of 25 Economies

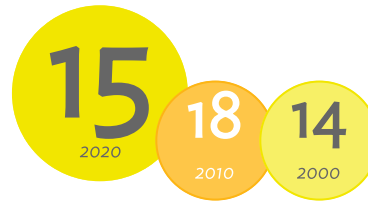
Value-Added at Basic Prices  
(\$ million)



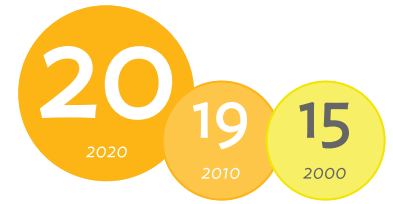
Average Output Multiplier



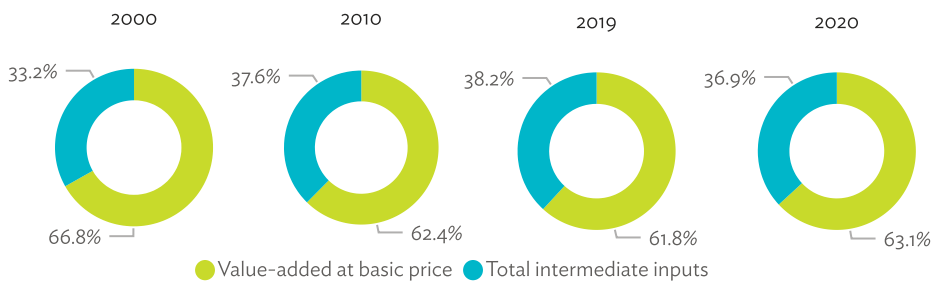
Trade Openness



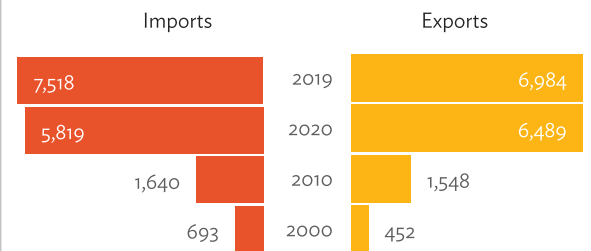
Trade-Based GVC Participation



Share of Intermediate Consumption and Gross Value-Added in Output

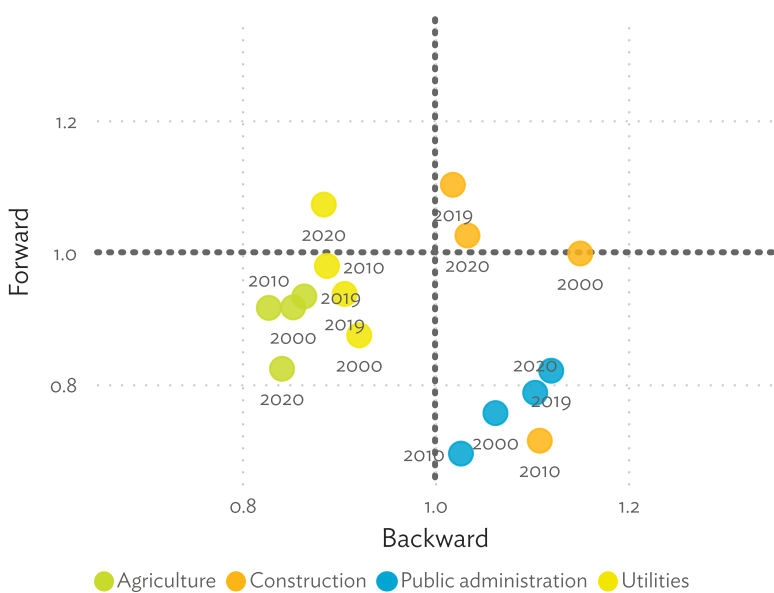


Imports and Exports, 2019-2020  
(\$ million)

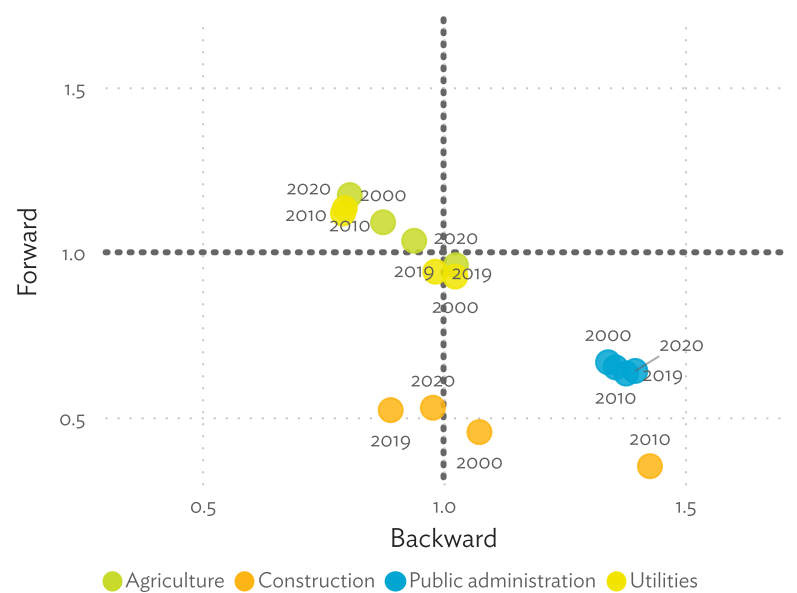


## Domestic Linkages

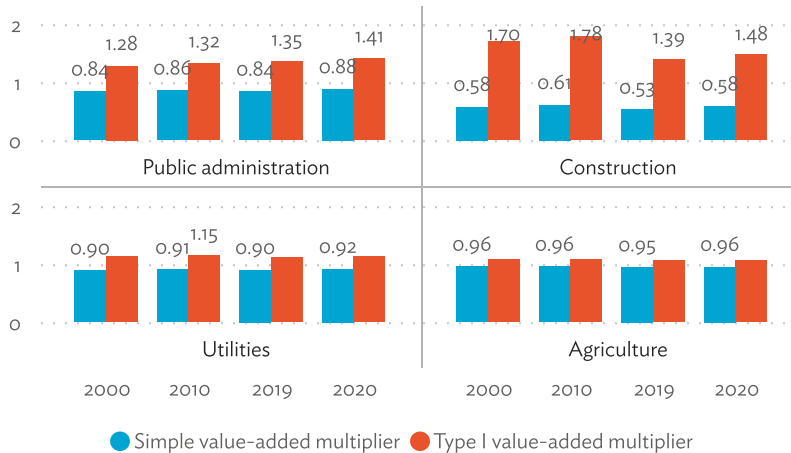
Normalized Linkages



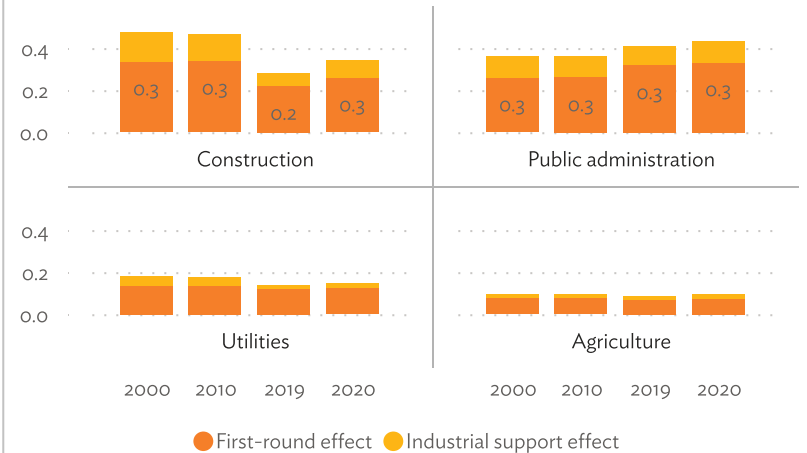
Net Linkages



Value-Added Multipliers



Production-Induced Effect



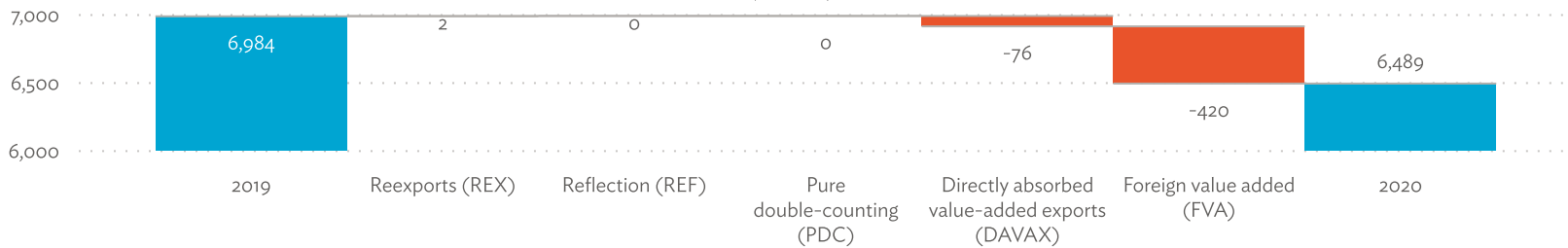
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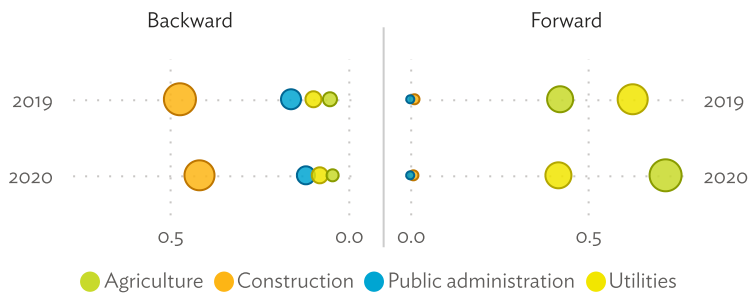
## International Linkages

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

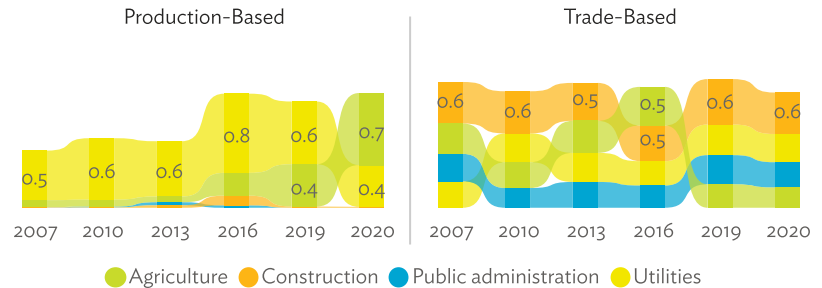
(\$ million)



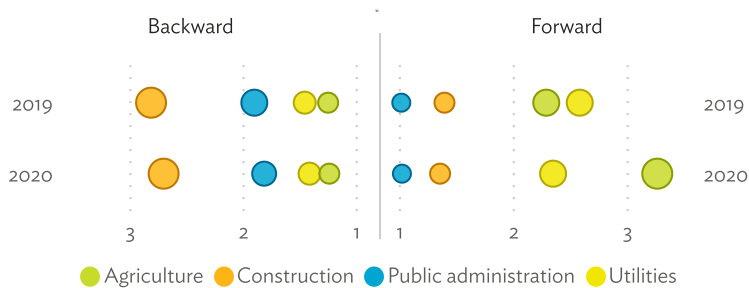
Import Multipliers



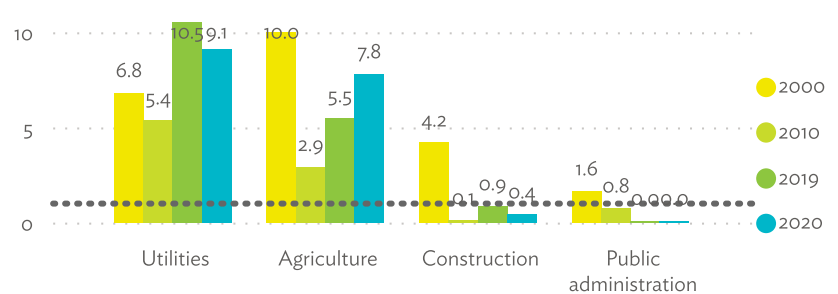
GVC Participation Rates



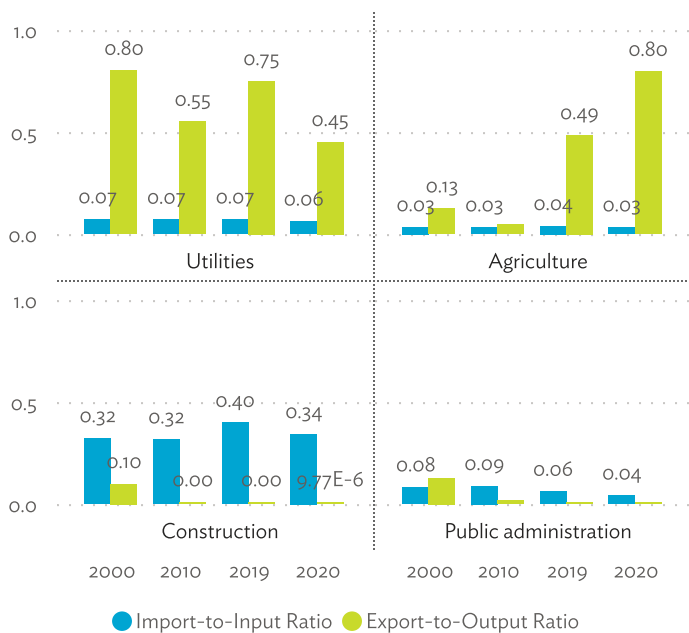
Average Production Length



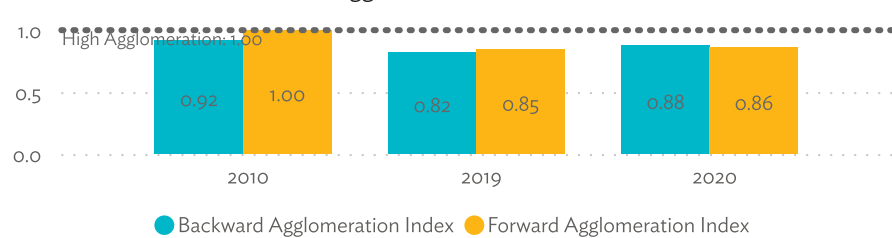
New Revealed Comparative Advantage



Trade Orientation

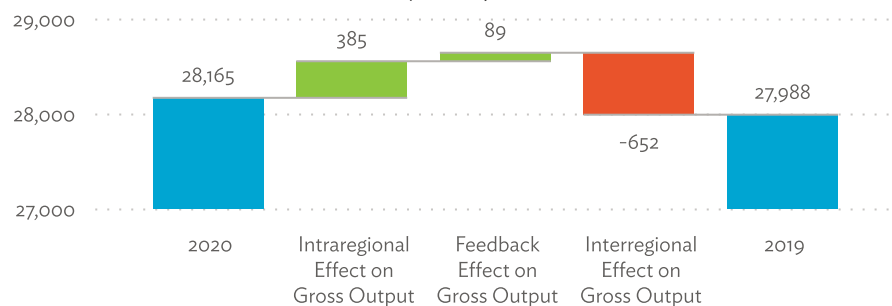


Agglomeration Indices



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).