



VIRTUAL EVENT

Energy - Infrastructure - Construction B2B Forum in ASEAN

📅 THURSDAY, 20 MAY 2021
🕒 2:30 PM - 6:30 PM (SG TIME)

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FRENCH EMBASSY IN SINGAPORE
Head of the Regional Economic Service for ASEAN






Infrastructures in ASEAN

Hervé OCHSENBEIN, Head of the Regional Economic Department

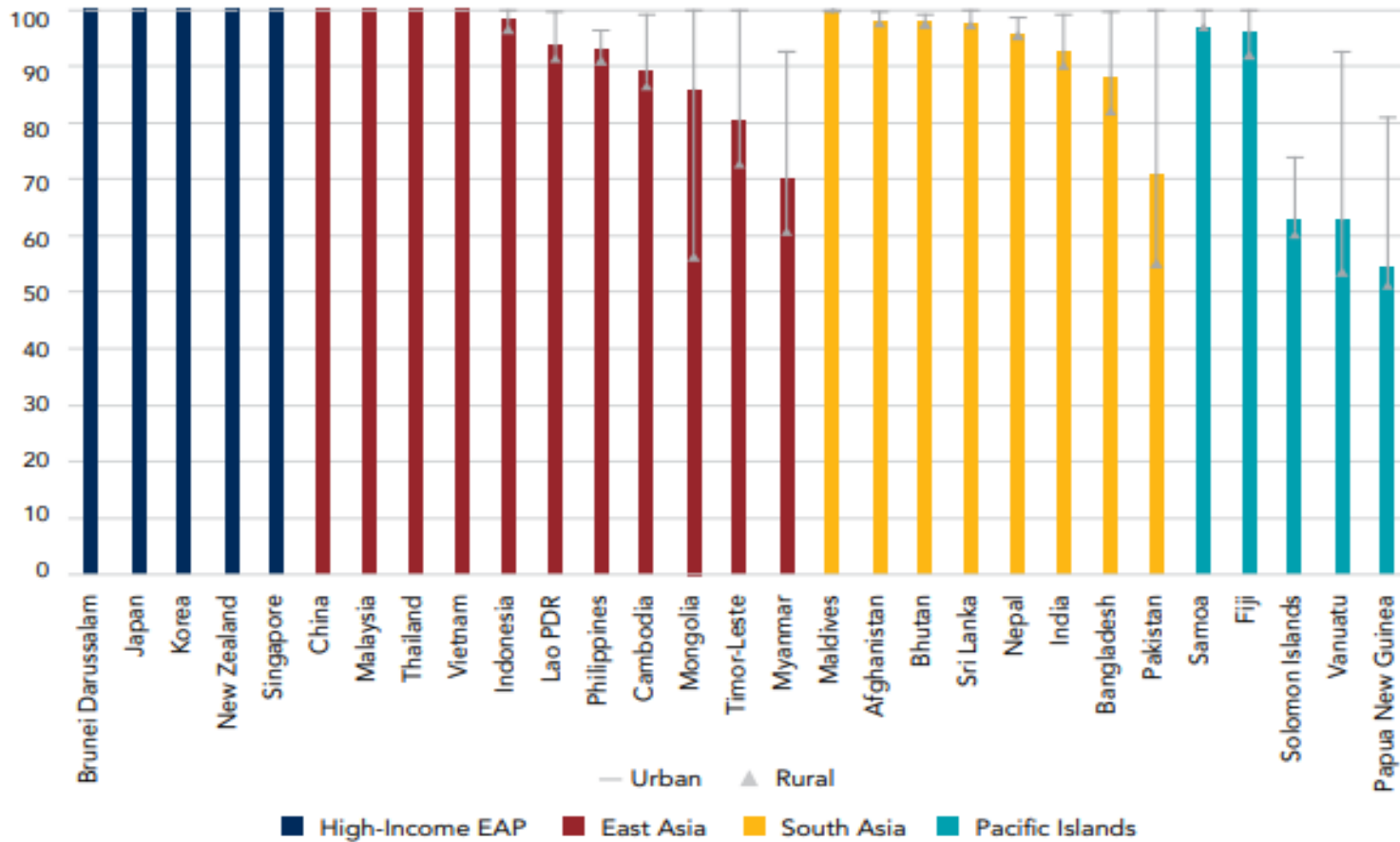
Embassy of France in Singapore

- 1) Stock-taking of the current situation
- 2) The infrastructure gap
- 3) The COVID crisis : is it reshaping the landscape, and how ?

Infrastructures in ASEAN today

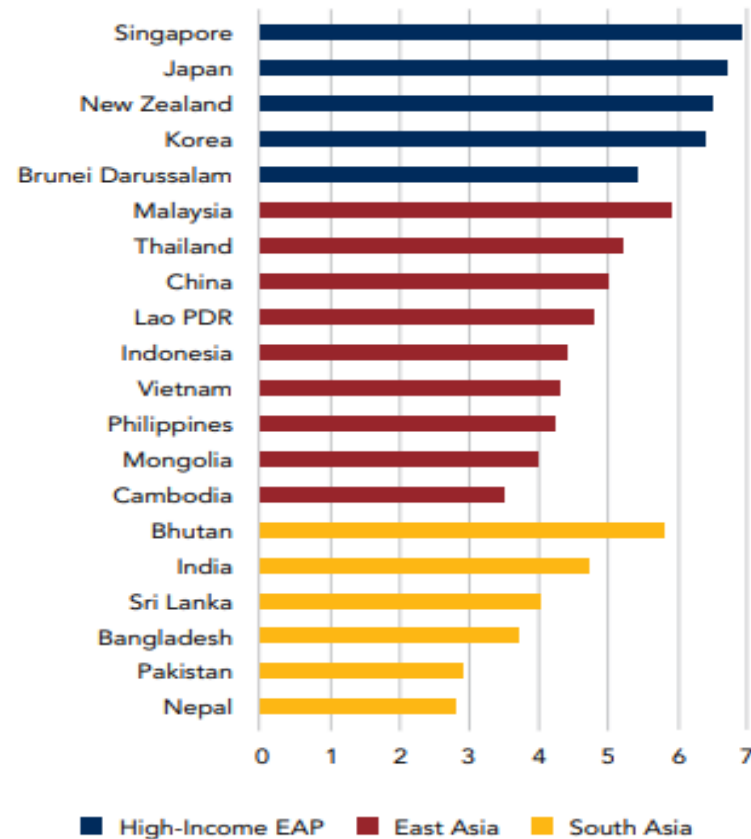
- ❑ Transport, power, telecommunications, water supply and sanitation
- ❑ 1% increase in infrastructure stock  +0,2 to +0,4% in output
- ❑ Infrastructure investment/GDP = 2,5% today

Access to Electricity (% of Population)



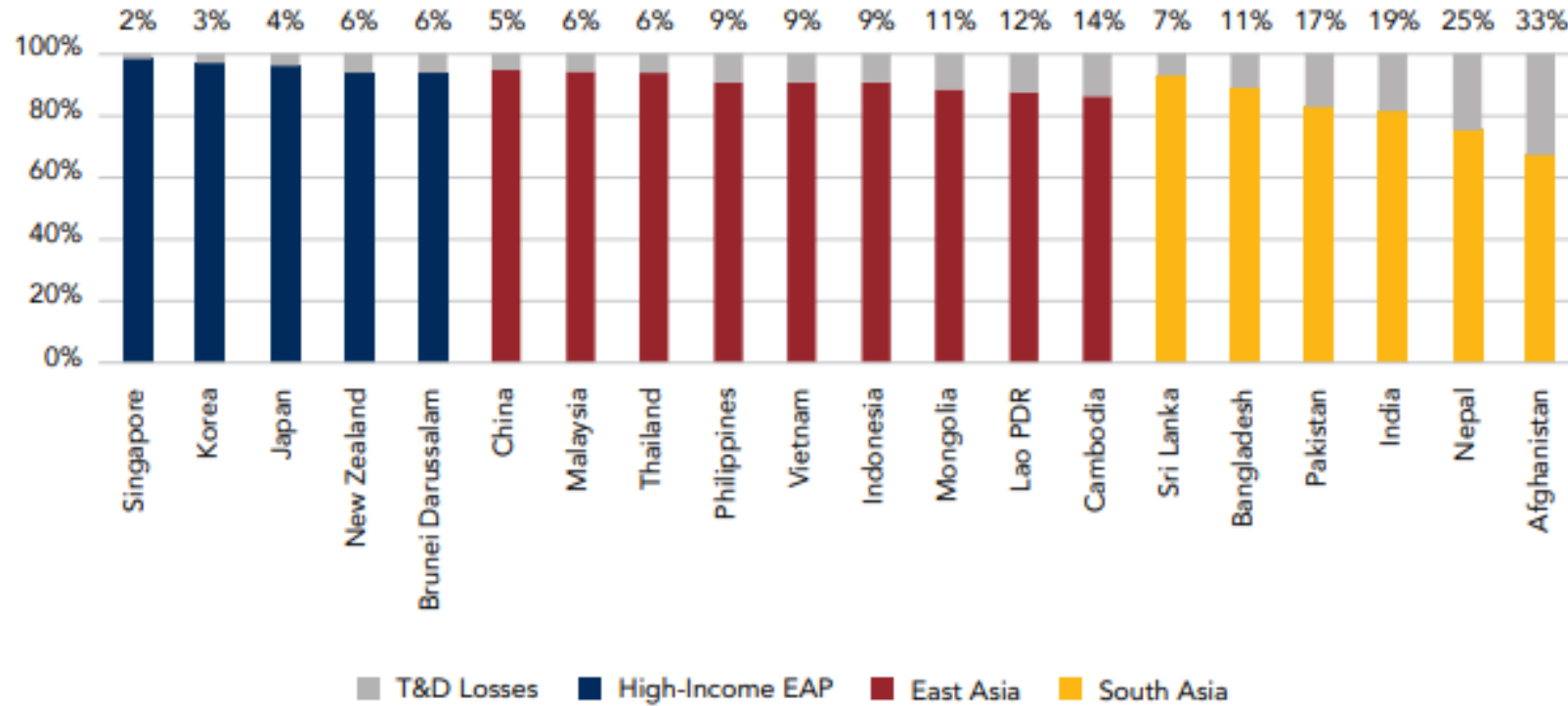
Source: Sustainable Energy for All (SE4ALL) database, 2020 (using 2017 data)

Quality of Electricity Supply

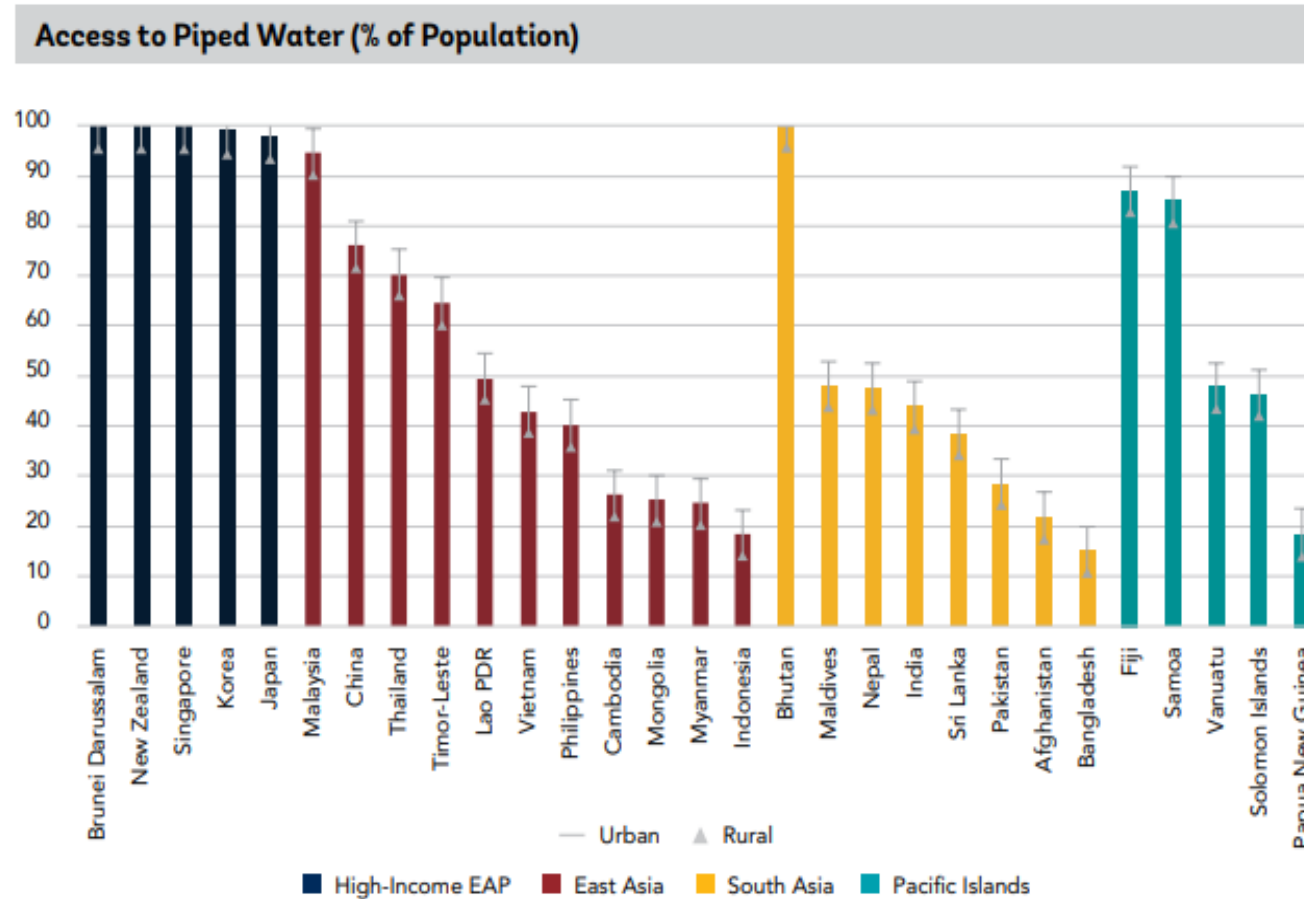


Source: World Economic Forum, Global Competitiveness Report, 2018; data unavailable for Myanmar, Afghanistan, the Maldives, Timor-Leste and the Pacific Islands.

Transmission and Distribution (T&D) Losses



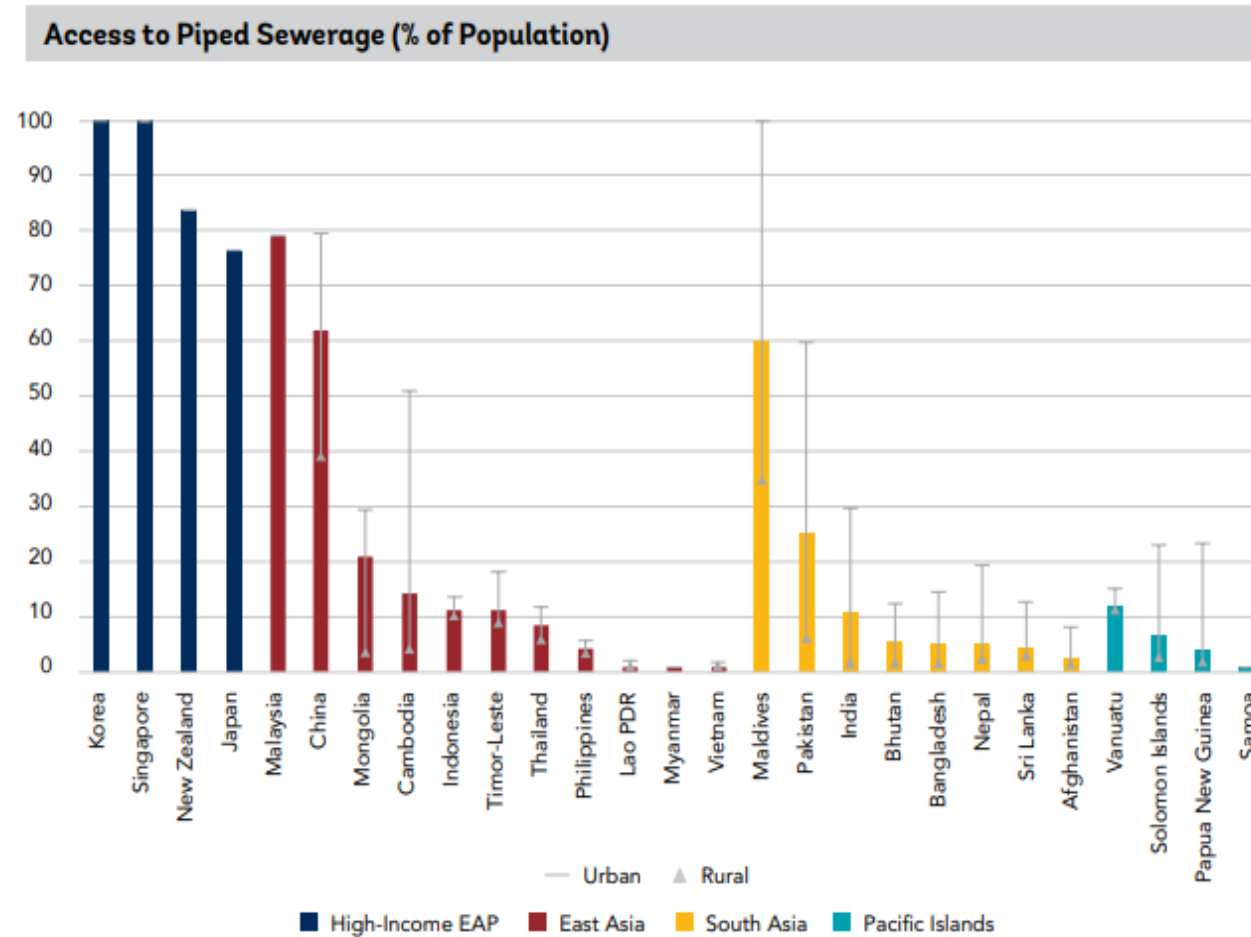
World Bank, « Infrastructure in Asia and the Pacific »



Source: WHO / UNICEF Joint Monitoring Programme for Water Supply, Sanitation and Hygiene, 2019 (using 2017 data).

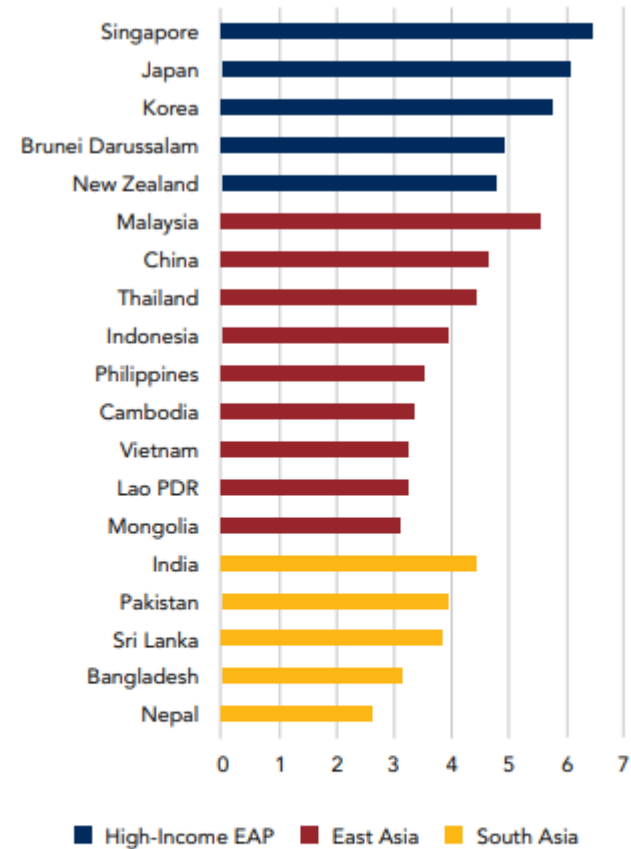
Note: This measure includes access to improved, piped water sources, shared and on-premises.

World Bank, « Infrastructure in Asia and the Pacific »



Source: WHO / UNICEF Joint Monitoring Programme for Water Supply, Sanitation and Hygiene, 2019 (using 2017 data), except Brunei (2016 data).

Quality of road infrastructure



Source: World Economic Forum, Global Competitiveness Report, 2018.

ADB, « Meeting Asia's infrastructure needs »

Table 1: Estimated Infrastructure Investment Needs by Region, 45 DMCs, 2016–2030
(\$ billion in 2015 prices)

Region/Subregion	Projected Annual GDP Growth	2030 UN Population Projection (billion)	2030 Projected GDP Per Capita (2015 \$)	Baseline Estimates			Climate-adjusted Estimates**		
				Investment Needs	Annual Average	Investment Needs as % of GDP	Investment Needs	Annual Average	Investment Needs as % of GDP
Central Asia	3.1	0.096	6,202	492	33	6.8	565	38	7.8
East Asia	5.1	1.503	18,602	13,781	919	4.5	16,062	1,071	5.2
South Asia*	6.5	2.059	3,446	5,477	365	7.6	6,347	423	8.8
Southeast Asia	5.1	0.723	7,040	2,759	184	5.0	3,147	210	5.7
The Pacific	3.1	0.014	2,889	42	2.8	8.2	46	3.1	9.1
Asia and the Pacific	5.3	4.396	9,277	22,551	1,503	5.1	26,166	1,744	5.9

Note: * Pakistan and Afghanistan are included in South Asia. ** Climate change adjusted figures include climate mitigation and climate proofing costs, but do not include other adaptation costs, especially those associated with sea level rise.

Source: 2015 Revision of World Population Prospects, United Nations; ADB estimates.

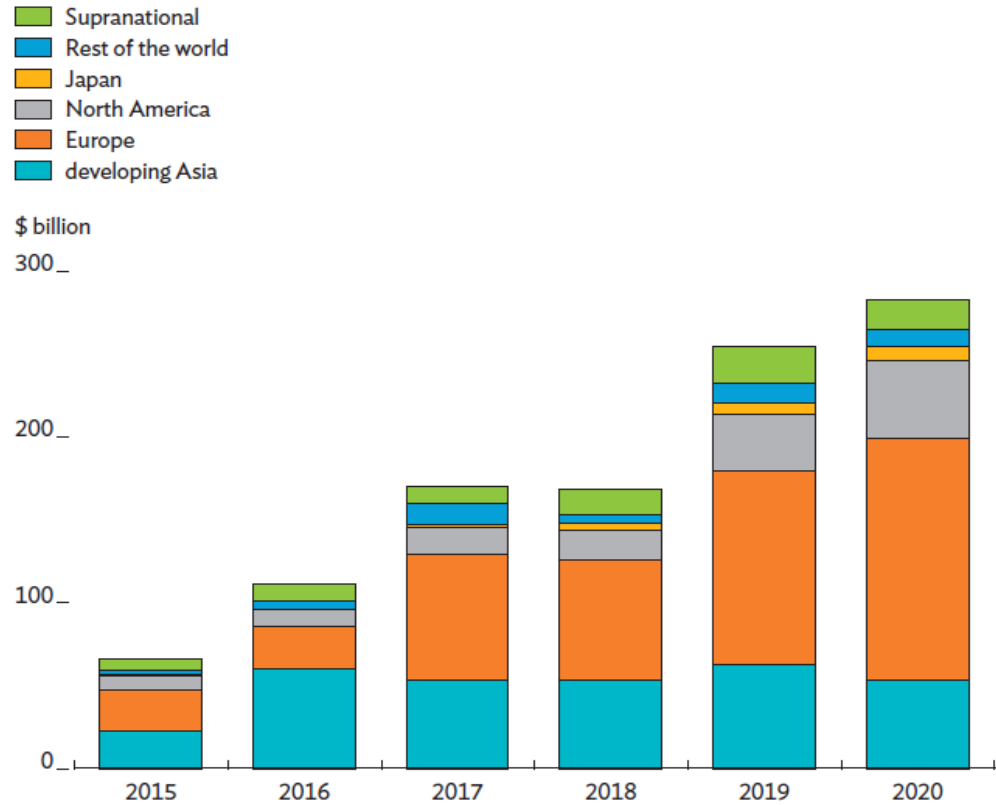
Standard Chartered SDG Investment Map

Estimated infrastructure investment needs by SDG by 2030 (in billion USD)

Country	Power (SDG7)	Transport (SDG9)	Clean water & sanitation (SDG6)	Digital Access (SDG9)
Indonesia	147,5	75,5	4	53,7
Malaysia	0*	25,8	0,4	8,8
Philippines	61,3	26,1	1,9	28,2
Thailand	0*	40,6	0,7	17
Vietnam	0*	20,1	1,3	24,4
* Universal access to power achieved				

ADB, Asian development outlook 2021

Asia contributed about 20% of global green bond issuance in 2020.



Source: Bloomberg (accessed 15 January 2021).

Thank you for your attention !

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