Risk Assessment for International Dissemination of COVID-19 to the ASEAN Region

ASEAN Biodiaspora Virtual Center (ABVC)

as of March 30, 2020 (2:00 PM GMT+8)

COVID-19: Highlights and Situation Overview

- The WHO Director-General highlighted in his media briefing yesterday that the chronic global shortage of personal protective equipment (PPE) is one of the most urgent threats to our collective ability to save lives. To date, WHO has shipped almost 2 million individual items of PPE to 74 countries and is preparing to send a similar amount to a further 60 countries.
- On March 28, WHO published the first edition of the practical manual to set up and manage a severe acute respiratory infection (SARI) treatment centre and a SARI screening facility in health-care facilities. The document has been developed to meet the operational needs emerging with the COVID-19 pandemic.
- On March 28 and 29, Brunei assisted Malaysia with the repatriation of 84 Malaysians who were stranded in Cairo. Malaysia on the other hand assisted Brunei with the repatriation of 134 Bruneians who were stranded in Kuala Lumpur. The special and strong MYBN bilateral ties has made this collaboration possible. The first flight arrived on Saturday morning carrying 236 students, while the second flight arrived on Sunday morning carrying 131 Bruneian students as well as 84 Malaysians stranded in Egypt. The Malaysian contingent from Cairo flew back to Kuala Lumpur on March 29, accompanied by another 25 Malaysian nationals who were stranded in Brunei.
- The Indonesian capital of Jakarta has extended its state of emergency as the number of Covid-19 cases has surged across the country. Initially, the state of emergency status was first imposed on March 20 and was expected to end on April 5. On March 29, Jakarta Governor Anies Baswedan announced that the state of emergency will have a two-week extension until April 19.
- A team of Chinese medical experts, along with medical materials, arrived in Lao capital Vientiane by a chartered plane on March 29 morning to assist Laos fight the COVID-19 pandemic. The Chinese medical team include experts in various fields such as infection prevention and control, intensive care, epidemics, and laboratory testing.
- On March 29, Government Spokesperson and Minister to the Prime Minister's Office Chalern Yapaoher headed a press conference to outline the details of the Prime Minister's Order regarding the country's new and upgraded COVID-19 regulations. This order include: a) Public servants (state workers) are to work from home April 1-11, and will be on holiday leave to observe the Lao New Year holiday until April 19, except for military and police officers, firefighters, water and electrical (utilities) company staff, media personnel, doctors and nurses, volunteers, and other individuals that have been authorized to remain at work to combat the spread of the disease; b) prohibition for all people (nationals, expatriates, stateless individuals) to leave their homes or domiciles except for buying necessities; c) prohibition for people to travel to other provinces or areas where there are known infected cases or at-risk areas; d) prohibited to either hoard or to increase the price of essential goods that are necessary for virus prevention (i.e. mask, alcohol, etc.); d) prohibition to spread news and information that are false, misleading, and engendering societal panic; e) prohibited to organize gatherings of any sort of more than 10 people; f) all entertainment venues must remain closed. The order will take effect starting Monday, Mar 30 until April 19, or until further notice.
- Malaysia's Movement Control Order (MCO) period will be extended from March 31 to April 14 as the local death toll from the virus rises

- Singapore government donated 40,000 COVID-19 diagnostic tests and two ventilators to the Philippines. These additional test kits will supplement Singapore's earlier donation to allow more people to have an early diagnosis, while the ventilators will be crucial for the survival of severe COVID-19 cases.

- **Travel Advisories (new updates)**
  - Cambodia: The Cambodian government will impose travel restrictions in order to reduce and contain the transmission of the coronavirus, effective March 31, 2020 (12AM). In a statement lasr March 27, the government said it would suspend the visa exemption policy and issuance of tourist visas, e-visas and visas on arrival to all foreigners for one month. Any foreigner wishing to travel to Cambodia must obtain a prior visa from Cambodian missions abroad, the statement said, adding that an individual must provide a medical certificate, issued by competent health authorities of their country no more than 72 hours prior to the date of travel, certifying that they have not tested positive for the COVID-19. In addition, they must provide proof of minimum medical coverage during their intended stay in Cambodia in the amount not less than US$50,000. The Cambodian requirements for a medical certificate and insurance do not apply to any foreigner holding a diplomatic visa (Visa A) or official visa (Visa B) for the country.
  - Indonesia: Indonesia's easternmost province of Papua has closed its airports, sea ports and land borders for 14 days to prevent the spread of the virus. Meanwhile, airline company AirAsia Indonesia plans to suspend flights across the country, commencing on Wednesday (April 1), and will end on April 21 for domestic flights and May 17 for international flights.
  - Laos: Prime Minister's Order stated that international and interprovincial and traditional borders must remain closed to all people from Mar 30 until April 19. Only transport vehicles that have explicit authorization to transport commercial goods may cross these borders. The Ministry of Foreign Affairs must handle the affairs of foreign nationals wishing to return to their home countries.
  - Myanmar: Myanmar will ban all international passenger flights into its airports starting today (March 30) as part of the country's efforts to prevent the spread of coronavirus pandemic. Civil aviation authority stated that no international commercial passenger flights will be allowed to land in Myanmar until April 31. The Department of Civil Aviation said in a statement that it also suspends all landing permissions it previously granted. The measure will not apply to relief, cargo, medical evacuation flights as well as specially-approved flights. It will also temporarily suspend entry visas beginning March 29 except to diplomats, UN officials and crews of ships and aircraft operating to and from Myanmar.
  - Thailand: All bridges onto and off the Phuket island will be closed to all traffic except emergency service vehicles and trucks delivering goods, and all ports and piers will be closed to general traffic starting March 30. The move comes in the latest order by Phuket Governor Phakaphong Tavipatana to help prevent the spread of the COVID-19 coronavirus. The order, dated Mar 29, was issued publicly at 7PM. In this order, no vehicles will be permitted across the bridges except rescue services and

ambulances and those engaged in delivering the gas and petrol construction materials, medical equipment and supplies, parcel and mail delivery, and all forms of printed media. All ports and piers on the island also will be closed to all passenger boats arriving or departing. The closure of the bridges and piers will remain in effect until April 30, or later if needed.

o Singapore: Singapore has further tightened restrictions on the entry of foreigners in the country. According to the Immigration and Checkpoints Authority (ICA), Ministry of Education (MOE) and Ministry of Manpower (MOM), all long-term pass holders will be required of an entry approval before entering or returning to Singapore starting March 29. Long-term pass holders include those who hold long-term visit passes, student passes, as well as those who have been granted in-principle approval for a long-term pass.

o Vietnam: The Vietnamese government has ordered a halt on inbound flights, cut domestic flights, stopped public gatherings and temporarily shut down non-essential services until April 15 at the earliest.

o China: All airports in Hubei resumed some domestic flights on March 29, with the exception of Wuhan, which will open to domestic flights on April 8. Flights from Hubei to Beijing remain suspended.

o Japan: The country will expand its entry ban to include people travelling from the US, China, South Korea and most of Europe starting March 28 to April 30. The measure will apply to foreign nationals who have been to any of the listed regions within 14 days of arriving in Japan. All Japanese returnees and foreigners who have traveled outside the banned areas will be asked to self-quarantine for 14 days and watch for symptoms of COVID-19.

o South Korea: Starting April 1, all travelers entering South Korea will be subjected to two weeks of mandatory quarantine. The measure will also include short-term foreign visitors in order to practically block the entry for unimportant purposes, such as tourism. Those who don't have an address in the country will be quarantined in a government-provided facility for two weeks at their own expense.

Cases and Deaths as of 30 March 2020

- As of March 30 (2PM, GMT+8), worldwide, there were **703,437** confirmed cases, including **35,703** deaths.
- In **China**, there were **82,419** confirmed cases with **3,306** deaths, including deaths in Hong Kong (4) and Taiwan (2). Confirmed cases in China include confirmed cases in Hong Kong (641), Macau (37), and Taiwan (298).
- **621,018 confirmed cases** of COVID-19 have been reported in **198 countries/states** (other than China, Hong Kong, Taiwan and Macau):

REGION	COUNTRY	FIRST CONFIRMED CASE(S)	LATEST CONFIRMED CASE(S)	CONFIRMED CASES/(Deaths)
ASIA PACIFIC	Thailand	13 Jan 2020	29 Mar 2020	1,524 (7)
	Vietnam	23 Jan 2020	29 Mar 2020	194
	Singapore	23 Jan 2020	29 Mar 2020	844 (3)
	Malaysia	25 Jan 2020	29 Mar 2020	2,470 (34)
	Cambodia	27 Jan 2020	29 Mar 2020	107
	Philippines	30 Jan 2020	29 Mar 2020	1,418 (71)
	Indonesia	02 Mar 2020	29 Mar 2020	1,285 (114)
	Brunei	10 Mar 2020	29 Mar 2020	126 (1)
	Myanmar	23 Mar 2020	28 Mar 2020	8
	Lao PDR	24 Mar 2020	29 Mar 2020	8
	Japan	16 Jan 2020	24 Mar 2020 2,405 (62)	1,709 (62) 696 from quarantined ship
	South Korea	20 Jan 2020	29 Mar 2020	9,583 (152)
	Nepal	24 Jan 2020	28 Mar 2020	5
	Australia	25 Jan 2020	29 Mar 2020	3,969 (16)
	Sri Lanka	27 Jan 2020	26 Mar 2020	115 (1)
	India	30 Jan 2020	29 Mar 2020	1,024 (27)
	Afghanistan	24 Feb 2020	29 Mar 2020	120 (4)
	Pakistan	26 Feb 2020	29 Mar 2020	1,526 (13)
	New Zealand	28 Feb 2020	29 Mar 2020	514 (1)
	Bhutan	05 Mar 2020	29 Mar 2020	4
	Maldives	07 Mar 2020	29 Mar 2020	17
	Bangladesh	08 Mar 2020	27 Mar 2020	48 (5)
	Mongolia	10 Mar 2020	28 Mar 2020	12
	Turkey	10 Mar 2020	29 Mar 2020	7,408 (108)
	French Polynesia	12 Mar 2020	27 Mar 2020	30
	Guam	15 Mar 2020	29 Mar 2020	56 (1)
	New Caledonia	17 Mar 2020	27 Mar 2020	15
	Fiji	18 Mar 2020	25 Mar 2020	5
	Papua New Guinea	21 Mar 2020	21 Mar 2020	1
	Timor Leste	21 Mar 2020	21 Mar 2020	1
AMERICAS	USA	21 Jan 2020	29 Mar 2020	138,879 (2,438)
	Canada	25 Jan 2020	29 Mar 2020	6,243 (63)
	Brazil	26 Feb 2020	29 Mar 2020	3,904 (117)
	Mexico	28 Feb 2020	29 Mar 2020	848 (16)
	Saint Martin	01 Mar 2020	26 Mar 2020	11
	Ecuador	01 Mar 2020	29 Mar 2020	1,823 (48)

Dominican Republic	01 Mar 2020	29 Mar 2020	859 (39)
Chile	03 Mar 2020	29 Mar 2020	2,139 (7)
Argentina	03 Mar 2020	26 Mar 2020	746 (19)
Peru	05 Mar 2020	29 Mar 2020	671 (16)
Costa Rica	06 Mar 2020	29 Mar 2020	295 (2)
Colombia	06 Mar 2020	29 Mar 2020	606 (6)
French Guiana	06 Mar 2020	26 Mar 2020	28 (1)
Martinique	06 Mar 2020	28 Mar 2020	93 (1)
Paraguay	07 Mar 2020	28 Mar 2020	56 (3)
Panama	10 Mar 2020	29 Mar 2020	901 (17)
Bolivia	10 Mar 2020	29 Mar 2020	81
Honduras	11 Mar 2020	29 Mar 2020	110 (2)
Cuba	11 Mar 2020	29 Mar 2020	119 (3)
Guyana	11 Mar 2020	29 Mar 2020	8 (1)
Jamaica	12 Mar 2020	29 Mar 2020	32 (1)
St Vincent and the Grenadines	12 Mar 2020	12 Mar 2020	1
Saint Lucia	13 Mar 2020	29 Mar 2020	4
Trinidad and Tobago	13 Mar 2020	26 Mar 2020	76 (3)
Venezuela	13 Mar 2020	29 Mar 2020	119 (2)
Guatemala	13 Mar 2020	29 Mar 2020	34 (1)
Uruguay	13 Mar 2020	26 Mar 2020	304 (1)
Curacao	13 Mar 2020	28 Mar 2020	8 (1)
Puerto Rico	13 Mar 2020	29 Mar 2020	127 (5)
Suriname	13 Mar 2020	25 Mar 2020	8
Antigua and Barbuda	13 Mar 2020	27 Mar 2020	7
Guadeloupe	13 Mar 2020	29 Mar 2020	102 (2)
Cayman Islands	13 Mar 2020	27 Mar 2020	8 (1)
Aruba	14 Mar 2020	29 Mar 2020	46
Bahamas	15 Mar 2020	29 Mar 2020	11
US Virgin Islands	16 Mar 2020	29 Mar 2020	23
Sint Maarten	17 Mar 2020	26 Mar 2020	3
Montserrat	17 Mar 2020	27 Mar 2020	5
Barbados	17 Mar 2020	28 Mar 2020	26
El Salvador	18 Mar 2020	29 Mar 2020	24
Nicaragua	18 Mar 2020	28 Mar 2020	4 (1)
Bermuda	18 Mar 2020	29 Mar 2020	22
Haiti	19 Mar 2020	29 Mar 2020	15
Dominica	22 Mar 2020	26 Mar 2020	11
Grenada	22 Mar 2020	29 Mar 2020	7

	Belize	23 Mar 2020	23 Mar 2020	1
	Turks and Caicos Islands	23 Mar 2020	29 Mar 2020	4
	Saint Kitts and Nevis	24 Mar 2020	24 Mar 2020	2
	British Virgin Islands	25 Mar 2020	25 Mar 2020	2
	Anguilla	26 Mar 2020	26 Mar 2020	2
EUROPE	France	24 Jan 2020	26 Mar 2020	37,575 (2,314)
	Germany	27 Jan 2020	29 Mar 2020	58,247 (455)
	Finland	29 Jan 2020	29 Mar 2020	1,240 (11)
	Italy	30 Jan 2020	29 Mar 2020	97,689 (13,350)
	Russian Federation	31 Jan 2020	29 Mar 2020	1,534 (8)
	Spain	31 Jan 2020	29 Mar 2020	78,799 (6,606)
	Sweden	31 Jan 2020	26 Mar 2020	3,700 (110)
	United Kingdom of Great Britain	31 Jan 2020	29 Mar 2020	19,522 (1,228)
	Belgium	05 Feb 2020	26 Mar 2020	9,134 (353)
	Switzerland	25 Feb 2020	29 Mar 2020	14,352 (282)
	Austria	25 Feb 2020	29 Mar 2020	8,450 (86)
	Croatia	25 Feb 2020	29 Mar 2020	713 (6)
	Norway	26 Feb 2020	29 Mar 2020	4,235 (25)
	Romania	26 Feb 2020	29 Mar 2020	1,760 (40)
	Estonia	26 Feb 2020	29 Mar 2020	679 (3)
	Georgia	26 Feb 2020	29 Mar 2020	90
	North Macedonia	26 Feb 2020	29 Mar 2020	259 (6)
	Greece	26 Feb 2020	29 Mar 2020	1,156(38)
	Denmark	27 Feb 2020	29 Mar 2020	2,395 (72)
	San Marino	27 Feb 2020	29 Mar 2020	224 (22)
	Lithuania	27 Feb 2020	29 Mar 2020	437 (7)
	Netherlands	27 Feb 2020	29 Mar 2020	10,886 (771)
	Azerbaijan	27 Feb 2020	29 Mar 2020	182 (4)
	Belarus	28 Feb 2020	27 Mar 2020	94
	Iceland	28 Feb 2020	29 Mar 2020	1,020 (2)
	Ireland	28 Feb 2020	29 Mar 2020	2,615 (46)
	Monaco	29 Feb 2020	29 Mar 2020	43 (1)
	Czech Republic	01 Mar 2020	29 Mar 2020	2,716 (13)
	Luxembourg	01 Mar 2020	29 Mar 2020	1,831 (18)
	Armenia	01 Mar 2020	29 Mar 2020	424 (3)
	Latvia	02 Mar 2020	29 Mar 2020	347
	Portugal	02 Mar 2020	29 Mar 2020	5,962 (119)
	Andorra	02 Mar 2020	29 Mar 2020	308 (4)
	Liechtenstein	03 Mar 2020	27 Mar 2020	56

	Ukraine	03 Mar 2020	29 Mar 2020	418 (9)
	Slovenia	04 Mar 2020	29 Mar 2020	730 (11)
	Hungary	04 Mar 2020	29 Mar 2020	408 (13)
	Poland	04 Mar 2020	29 Mar 2020	1,771 (20)
	Faroe Islands	04 Mar 2020	29 Mar 2020	159
	Bosnia and Herzegovina	05 Mar 2020	29 Mar 2020	323 (6)
	Gibraltar	05 Mar 2020	29 Mar 2020	56
	Slovakia	06 Mar 2020	29 Mar 2020	314
	Serbia	06 Mar 2020	29 Mar 2020	659 (11)
	Vatican City	06 Mar 2020	29 Mar 2020	6
	Malta	07 Mar 2020	29 Mar 2020	151
	Moldova	07 Mar 2020	29 Mar 2020	231 (2)
	Bulgaria	08 Mar 2020	29 Mar 2020	338 (8))
	Albania	09 Mar 2020	29 Mar 2020	212 (10)
	Cyprus	09 Mar 2020	29 Mar 2020	179 (5)
	Channel Islands	09 Mar 2020	29 Mar 2020	100 (1)
	Jersey	10 Mar 2020	27 Mar 2020	46 (1)
	Kazakhstan	13 Mar 2020	29 Mar 2020	251 (1)
	Uzbekistan	15 Mar 2020	29 Mar 2020	133 (2)
	Greenland	16 Mar 2020	28 Mar 2020	10
	Montenegro	17 Mar 2020	29 Mar 2020	85 (1)
	Kyrgyztan	18 Mar 2020	29 Mar 2020	84
	Isle of Man	19 Mar 2020	29 Mar 2020	42
MIDDLE EAST	UAE	29 Jan 2020	28 Mar 2020	468 (2)
	Iran	19 Feb 2020	28 Mar 2020	38,309 (2,640)
	Israel	21 Feb 2020	29 Mar 2020	3,865 (15)
	Lebanon	21 Feb 2020	29 Mar 2020	438 (10)
	Kuwait	24 Feb 2020	29 Mar 2020	255
	Oman	24 Feb 2020	28 Mar 2020	167
	Bahrain	24 Feb 2020	29 Mar 2020	499 (4)
	Iraq	24 Feb 2020	29 Mar 2020	547 (42)
	Qatar	29 Feb 2020	29 Mar 2020	590 (1)
	Saudi Arabia	02 Mar 2020	28 Mar 2020	1,203 (4)
	Jordan	02 Mar 2020	29 Mar 2020	246 (1)
	Palestine	05 Mar 2020	29 Mar 2020	106 (1)
	Syria	22 Mar 2020	26 Mar 2020	5
AFRICA	Egypt	14 Feb 2020	29 Mar 2020	576 (36)
	Algeria	25 Feb 2020	29 Mar 2020	454 (29)
	Nigeria	28 Feb 2020	29 Mar 2020	97 (1)
	Morocco	02 Mar 2020	29 Mar 2020	450 (26)
	Senegal	02 Mar 2020	29 Mar 2020	142
	Tunisia	02 Mar 2020	29 Mar 2020	278 (8)
	South Africa	05 Mar 2020	28 Mar 2020	1,187 (2)
	Cameroon	06 Mar 2020	28 Mar 2020	91 (2)
	Togo	06 Mar 2020	29 Mar 2020	25 (1)

Burkina Faso	09 Mar 2020	29 Mar 2020	207 (11)
Democratic Republic of Congo	10 Mar 2020	29 Mar 2020	65 (6)
Ivory Coast	11 Mar 2020	29 Mar 2020	140
Reunion	11 Mar 2020	29 Mar 2020	183
Ghana	13 Mar 2020	29 Mar 2020	152 (5)
Guinea	13 Mar 2020	28 Mar 2020	16
Gabon	13 Mar 2020	26 Mar 2020	7 (1)
Sudan	13 Mar 2020	29 Mar 2020	5 (1)
Kenya	13 Mar 2020	29 Mar 2020	38 (1)
Ethiopia	13 Mar 2020	29 Mar 2020	19
Central African Republic	14 Mar 2020	20 Mar 2020	3
Seychelles	14 Mar 2020	29 Mar 2020	8
Rwanda	14 Mar 2020	29 Mar 2020	60
Namibia	14 Mar 2020	29 Mar 2020	11
Swaziland	14 Mar 2020	28 Mar 2020	9
Mauritania	14 Mar 2020	28 Mar 2020	5
Mayotte	14 Mar 2020	29 Mar 2020	63
Equatorial Guinea	15 Mar 2020	27 Mar 2020	12
Republic of Congo	15 Mar 2020	29 Mar 2020	19
Benin	16 Mar 2020	24 Mar 2020	6
Liberia	16 Mar 2020	20 Mar 2020	3
Tanzania	16 Mar 2020	29 Mar 2020	14
Somalia	16 Mar 2020	27 Mar 2020	3
Gambia	17 Mar 2020	25 Mar 2020	3 (1)
Zambia	17 Mar 2020	28 Mar 2020	28
Mauritius	18 Mar 2020	29 Mar 2020	102 (2)
Djibouti	18 Mar 2020	29 Mar 2020	14
Niger	19 Mar 2020	29 Mar 2020	18 (1)
Chad	19 Mar 2020	24 Mar 2020	3
Zimbabwe	20 Mar 2020	28 Mar 2020	7 (1)
Cape Verde	20 Mar 2020	29 Mar 2020	6 (1)
Madagascar	20 Mar 2020	29 Mar 2020	39
Uganda	21 Mar 2020	29 Mar 2020	30
Eritrea	21 Mar 2020	27 Mar 2020	6
Angola	21 Mar 2020	29 Mar 2020	5
Mozambique	22 Mar 2020	29 Mar 2020	8
Libya	24 Mar 2020	29 Mar 2020	3
Guinea-Bissau	25 Mar 2020	25 Mar 2020	2
Mali	25 Mar 2020	28 Mar 2020	18
			621,018 (32,397)

Risk of COVID-19 spread via Air Travel

BIODIASPORA AIR TRAVEL DATA FROM HIGHLY INFECTED COUNTRIES TO ASEAN MEMBER STATES (AMS)

Table 1. ASEAN Countries receiving direct passengers from **United States** in April 2020

Origin Country	Destination Country	Flights	Seats*
United States	Philippines	210	90,609
	Singapore	308	83,164
	Malaysia	18	6,660

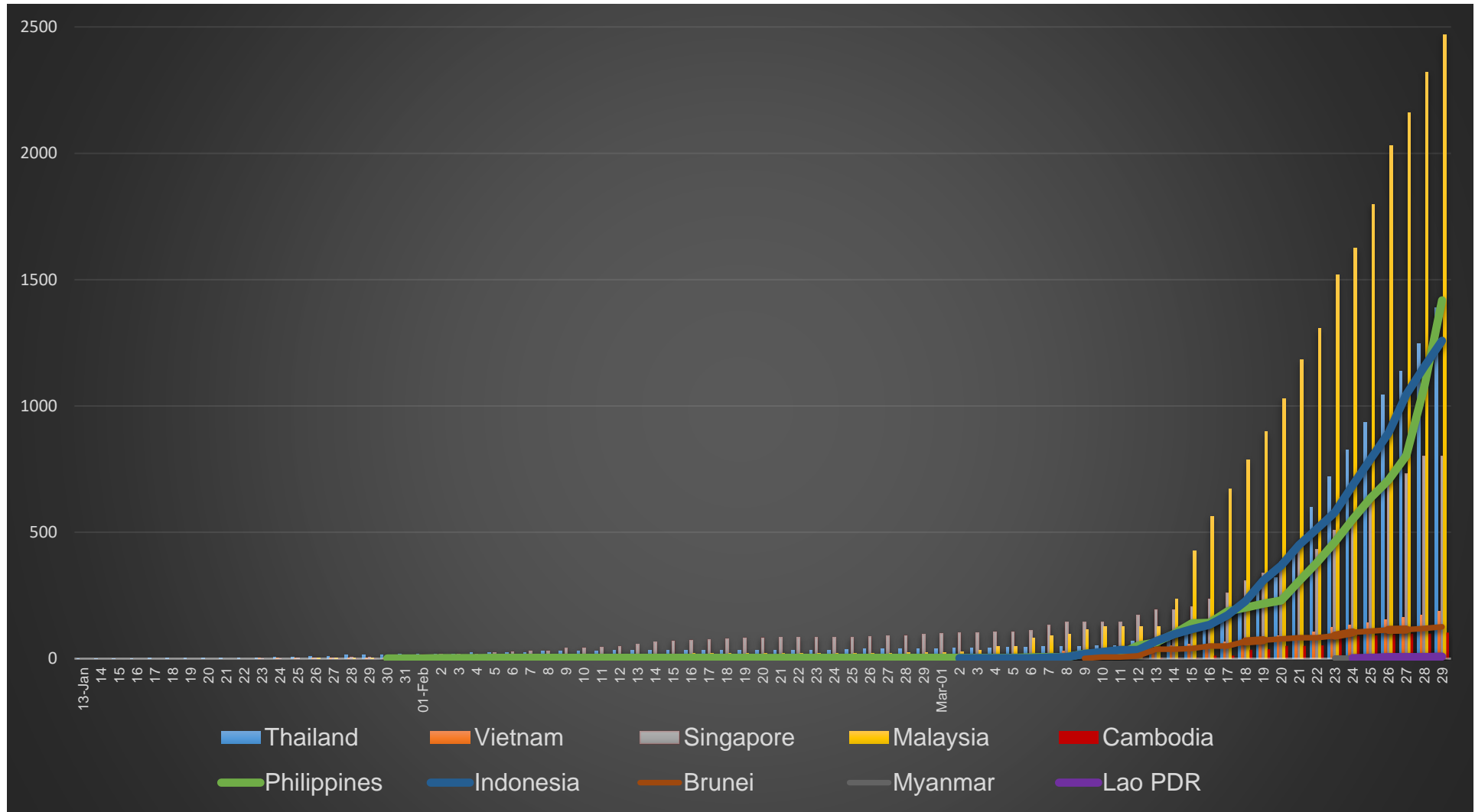*actual number of passengers may vary due to in-country's travel ban or restrictions

Table 2. ASEAN Countries receiving direct passengers from **Germany** in April 2020

Origin Country	Destination Country	Flights	Seats*
Germany	Singapore	184	62,013
	Thailand	163	56,883
	Viet Nam	43	13,072

*actual number of passengers may vary due to in-country's travel ban or restrictions

Table 3. ASEAN Countries receiving direct passengers from **Spain** in April 2020

Origin Country	Destination Country	Flights	Seats*
Spain	Singapore	22	5,456

*actual number of passengers may vary due to in-country's travel ban or restrictions

COVID-19 epi curve of ASEAN Member States
From January 13, 2020 to March 29, 2020