

# **Korea-ASEAN Partnership and Smart City Cooperation**

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Center for Strategic & Cultural Studies





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# Why ASEAN Matters

◆ ASEAN : Association of Southeast Asian Nations



Image: ASEAN

# Why ASEAN Matters

## Post-Cold War



## Post-Financial Crisis





# Why ASEAN Matters

1

With 650 Million People, ASEAN has the 3rd Largest Population in the World and a GDP of \$3.1 Trillion

2

ASEAN is Currently the 3rd Largest Economy in the Indo-Pacific and the 5th Largest in the World

3

ASEAN's Economy is Projected to Grow by over 5.5% per Year and Become the 4th Largest Economy in the World by 2050

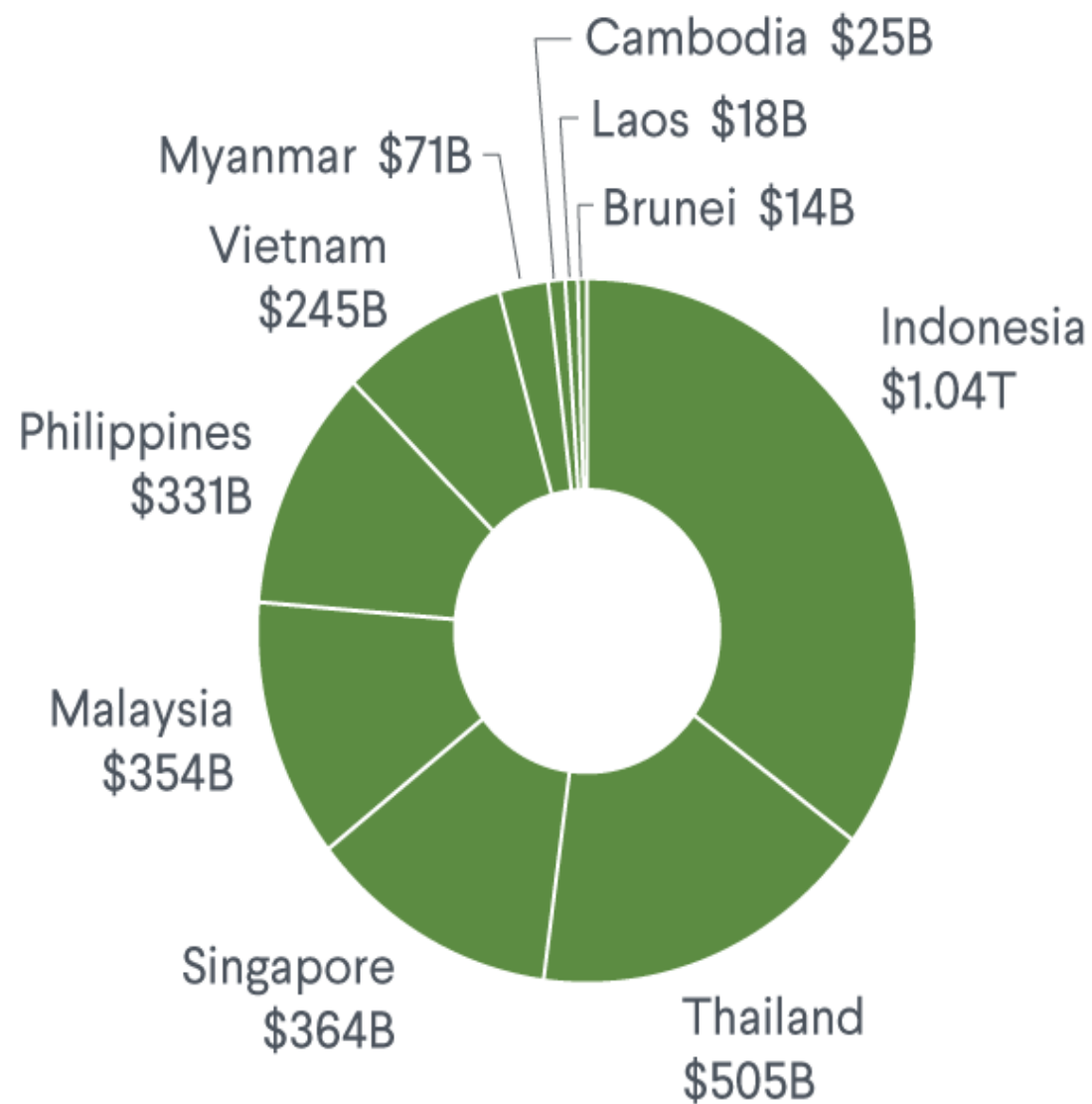
4

Over 380 million people are under age 35 in ASEAN (58% of the population)

# Why ASEAN Matters

## ASEAN's Diversity

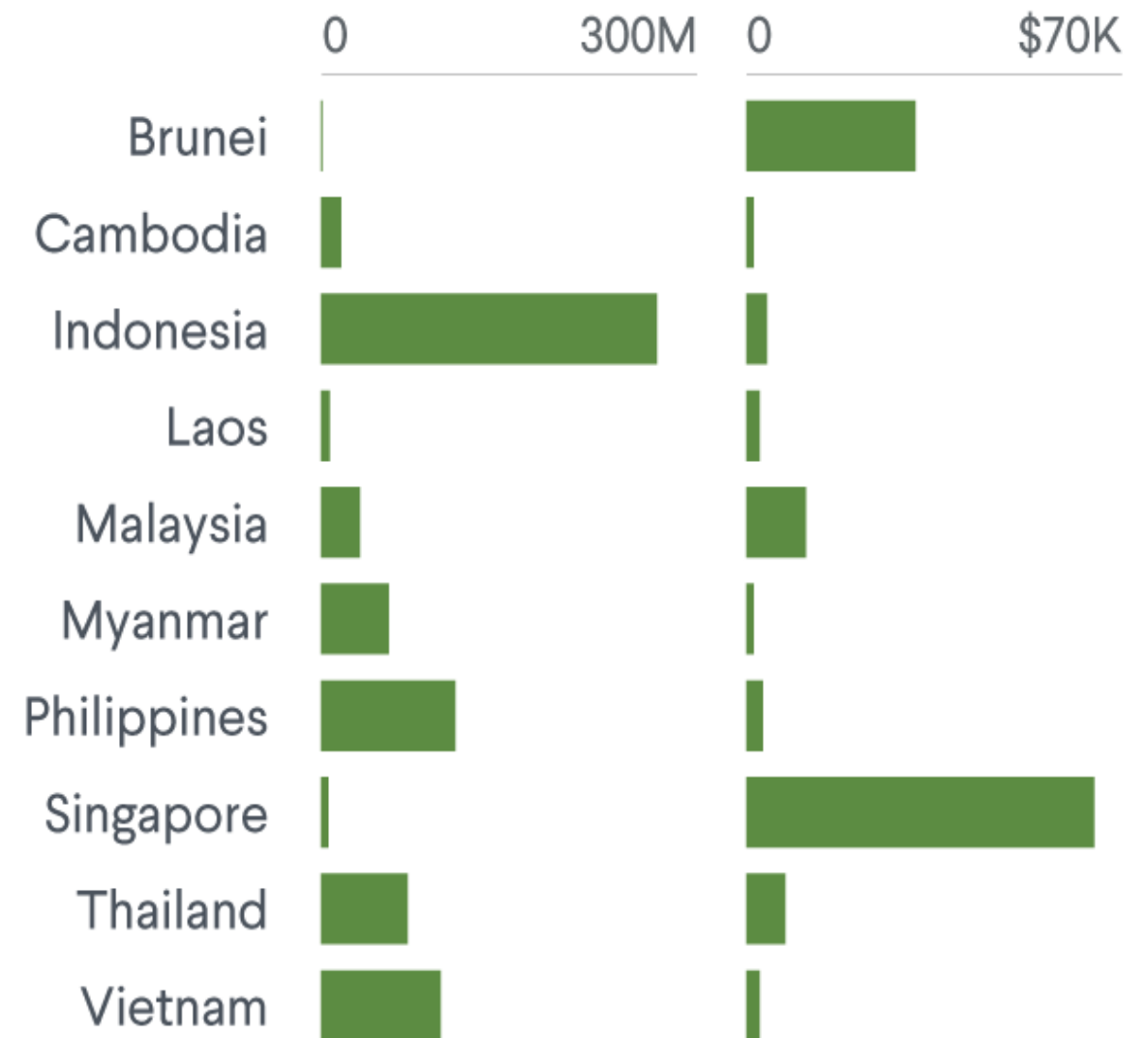
### Gross domestic product (GDP)



Note: 2018 data

### Population

### GDP per capita

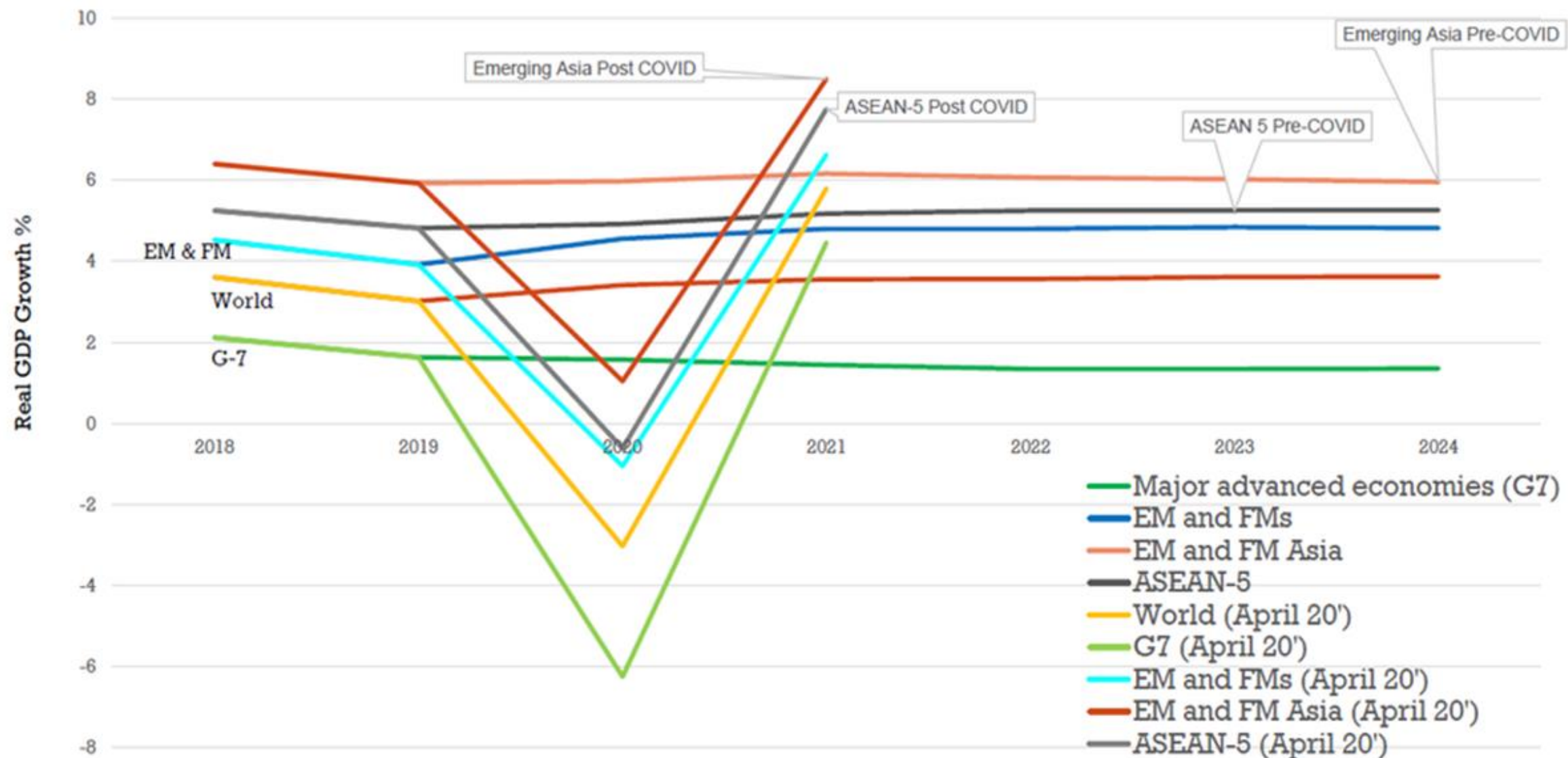


# Why ASEAN Matters

◆ ASEAN is a leading growth engine of the world

## Growth

### Emerging Asia & ASEAN Bright Spots



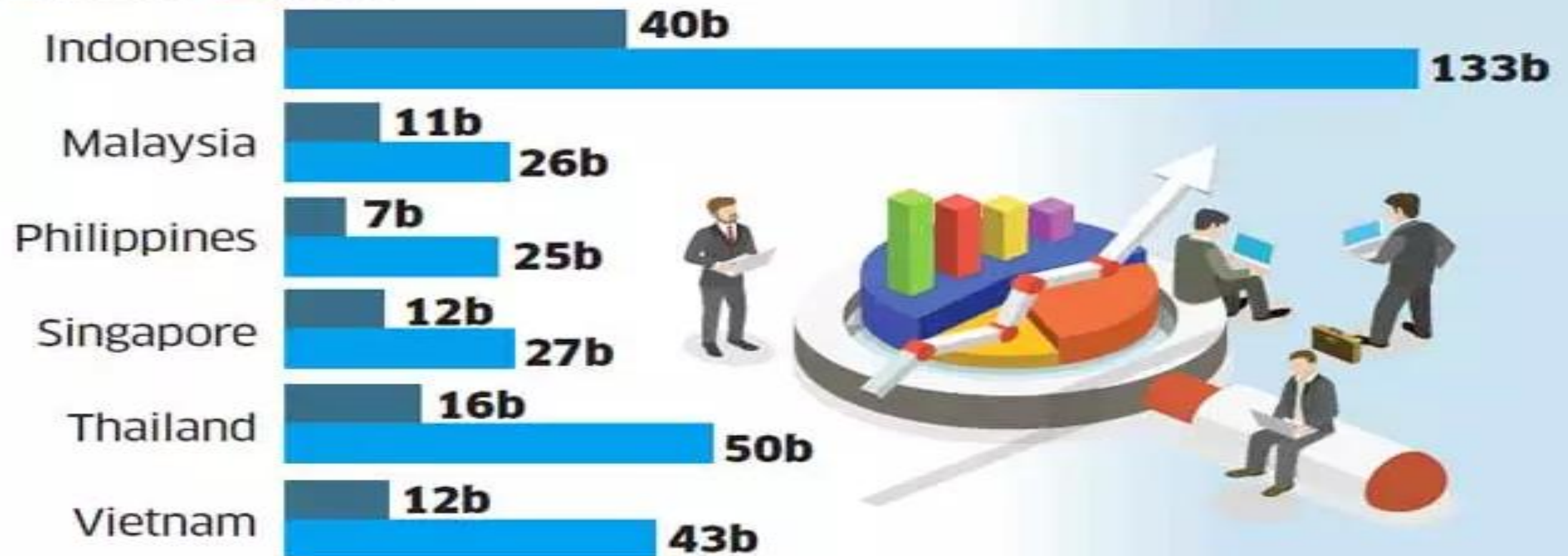
# Why ASEAN Matters

## ◆ ASEAN Digital Economy in Rapid Growth

### Southeast Asia Rising

Indonesia is the biggest contributor to the internet economy's growth in the region

■ 2019 ■ 2025



Source: Google & Teamsek/Bain. e-Economy SEA 209,  
Note: Figures refer to gross merchandise value

**Figures in \$**

# Why ASEAN Matters

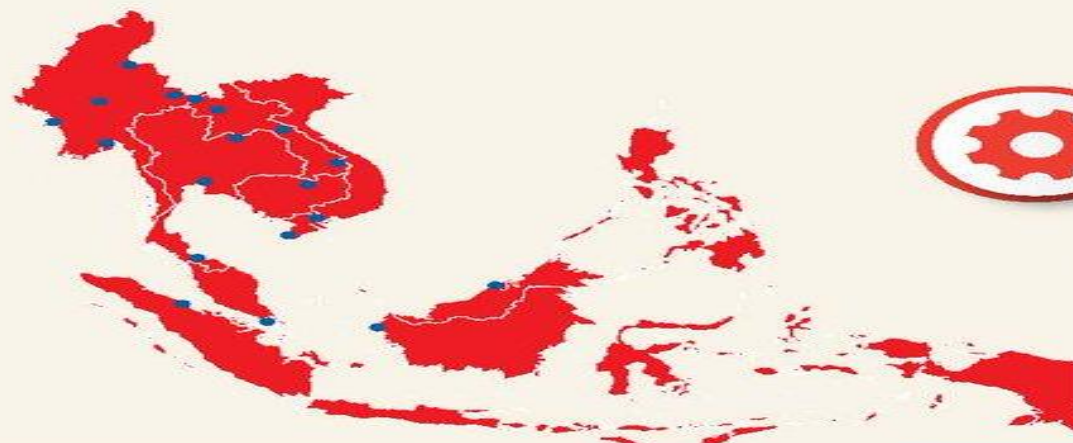
## ◆ ASEAN to Strengthen Connectivity

### Connecting ASEAN through Development of Sustainable Infrastructure

ASEAN INITIAL PIPELINE OF INFRASTRUCTURE PROJECTS

ASEAN is developing the Initial Rolling Priority Pipeline of Potential ASEAN Infrastructure Projects to accelerate investment in infrastructure projects shortlisted by the World Bank, which will support the movement of people, services, goods and innovation across the region of more than 630 million people.

The Pipeline project is a part of ASEAN's initiative to achieve the goal of sustainable infrastructure set out in the **Master Plan on ASEAN Connectivity (MPAC) 2025**



#### This Project will:

- Improve the way people live, work, and travel
- Strengthen regional identity and further integrate the ASEAN Community
- Complement existing regional and sub-regional infrastructure and connectivity initiatives



19 PROJECTS ACROSS ASEAN



3 SECTORS:  
TRANSPORTATION, ENERGY, ICT



INVESTMENT VALUE OF  
MORE THAN USD 15 BILLION

#### Project Screening Criteria

- Contribution to Regional Connectivity
- Potential Economic, and Social Benefits
- Impact on Environment
- Financial Viability
- Implementation Capacity

#### Regional Connectivity

- Widening roads connecting each country
- Catering to increasing traffic volumes
- Reducing travel time and boarding crossing time

#### Project Benefits

##### Socio - Economic Benefits

- Improving trade
- Improving national economic corridors in each country
- Improving travel quality and safety

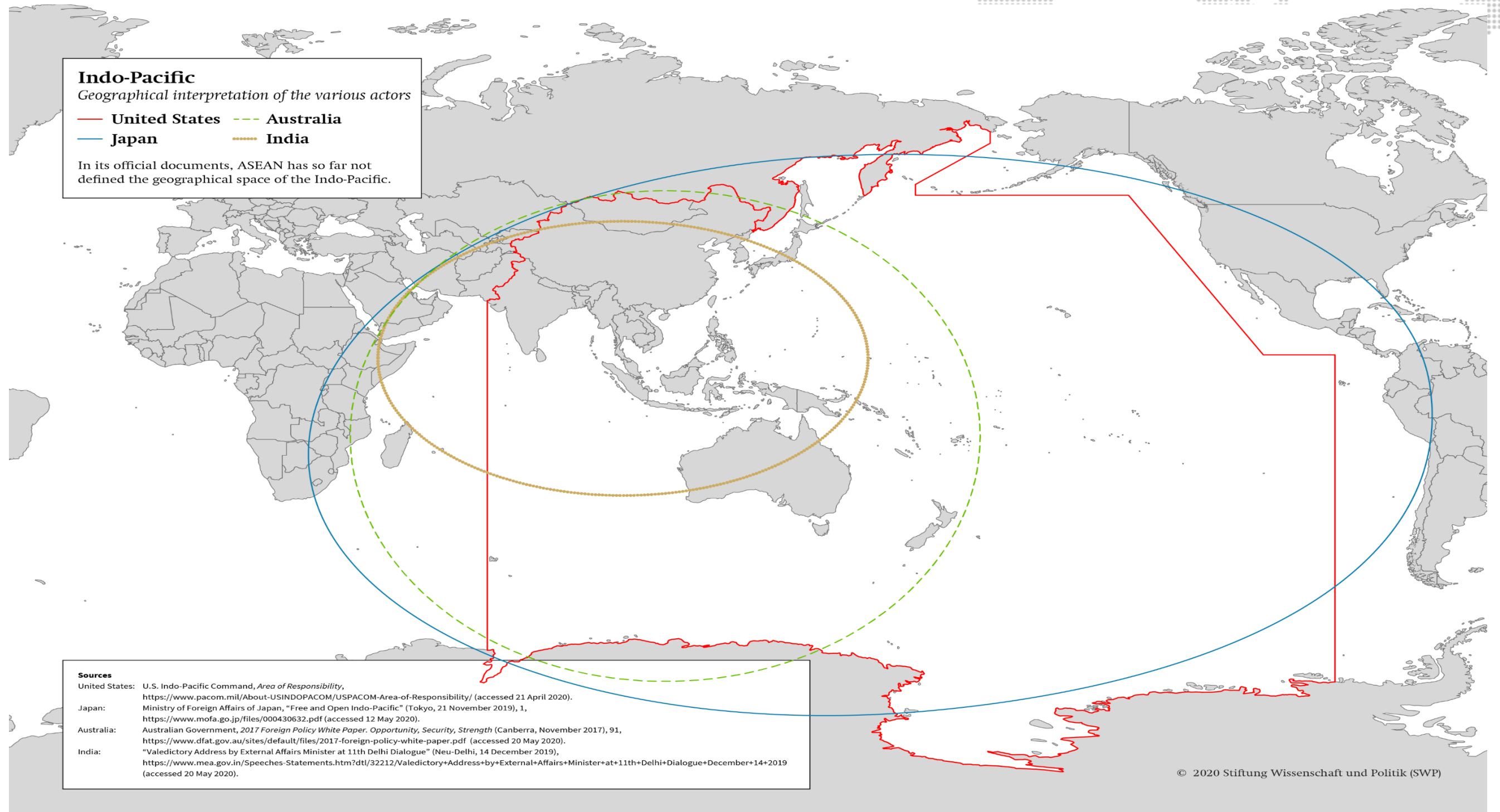
# Why ASEAN Matters

## ASEAN Economic Community 2025



# Why ASEAN Matters

## ◆ ASEAN is at the Center of the Indo-Pacific Region



# Why ASEAN Matters

## ◆ ASEAN and China's Belt and Road Initiative

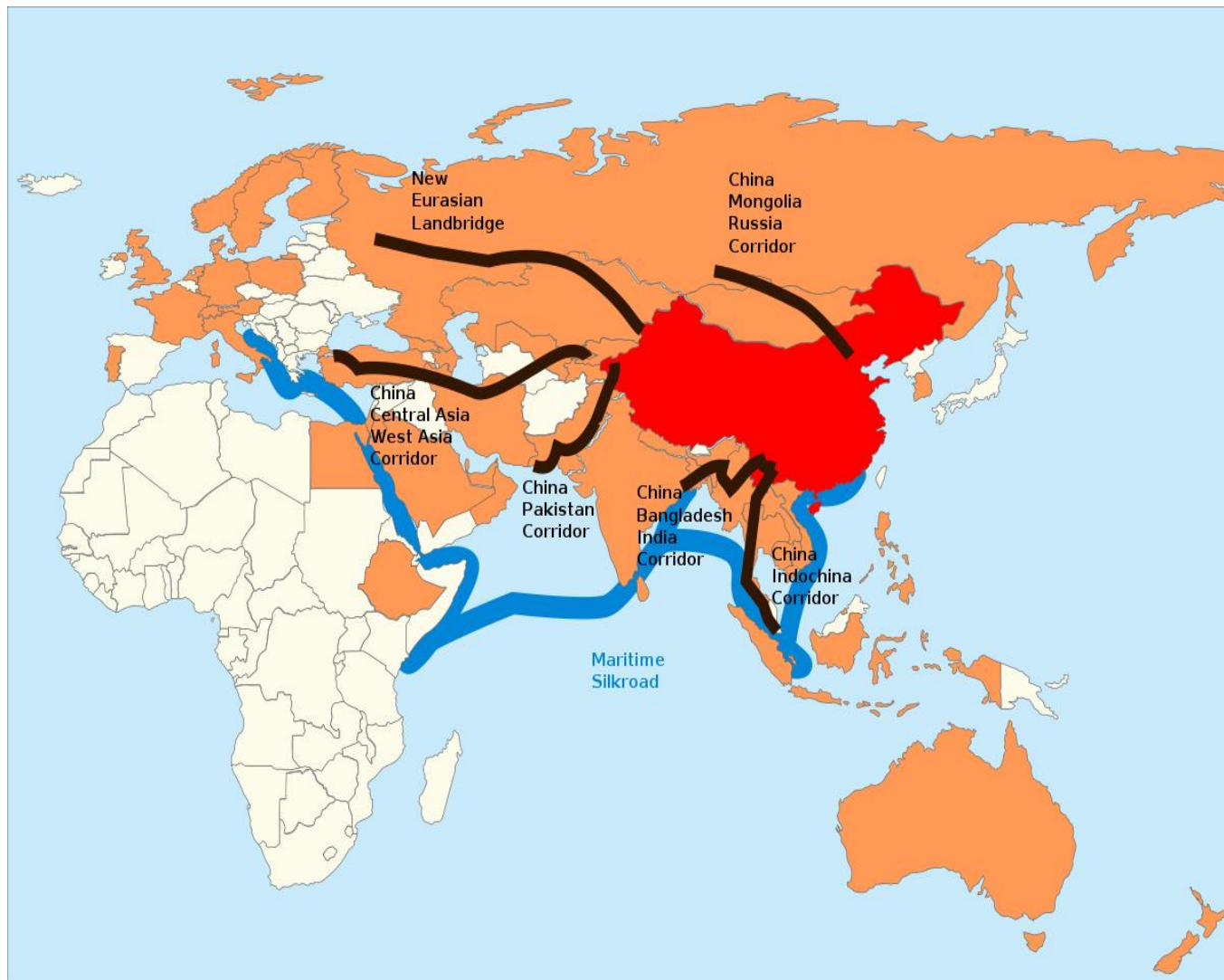
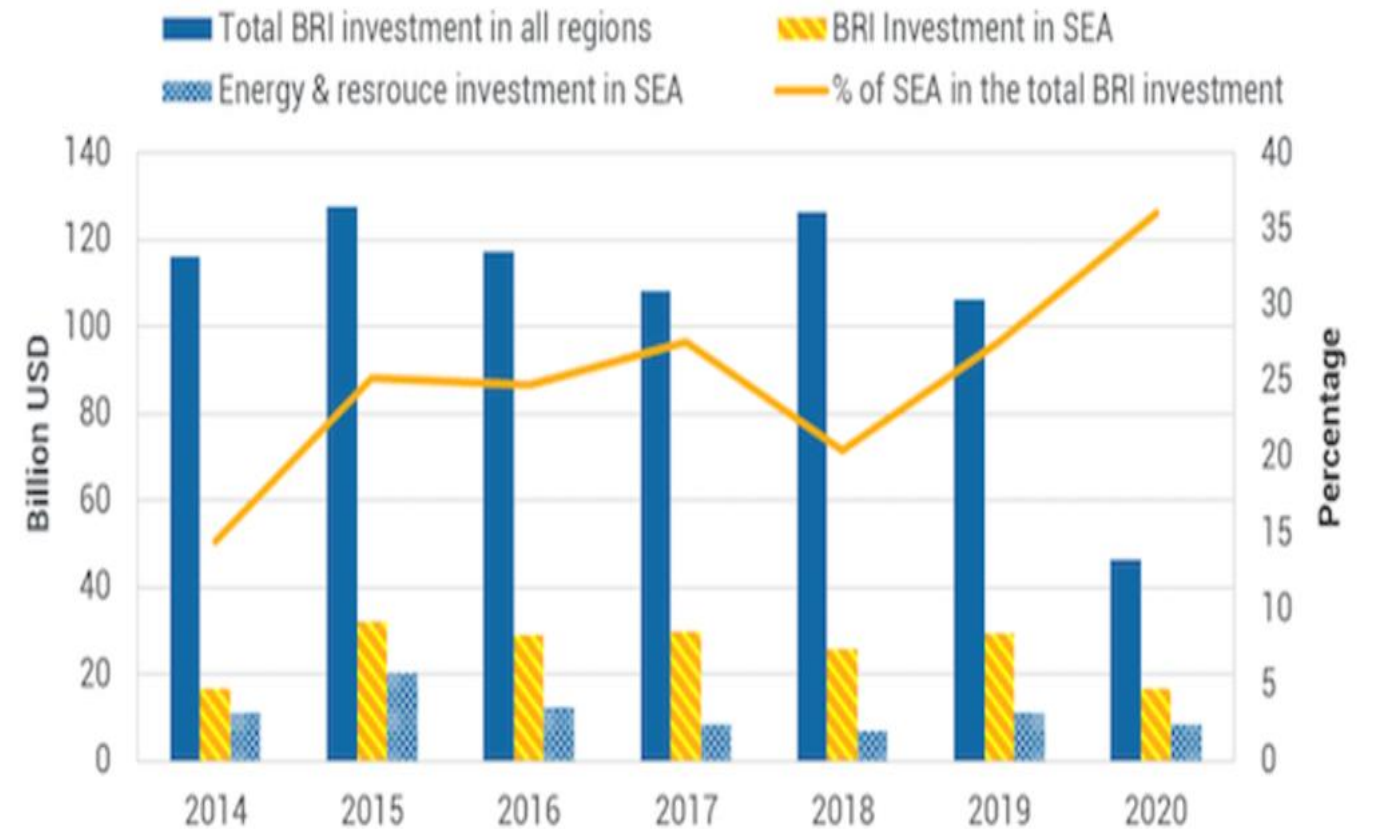


Chart 2: The Trend of BRI Investment in Southeast Asia (2014-2020)



© Verisk Maplecroft 2021

# Why ASEAN Matters

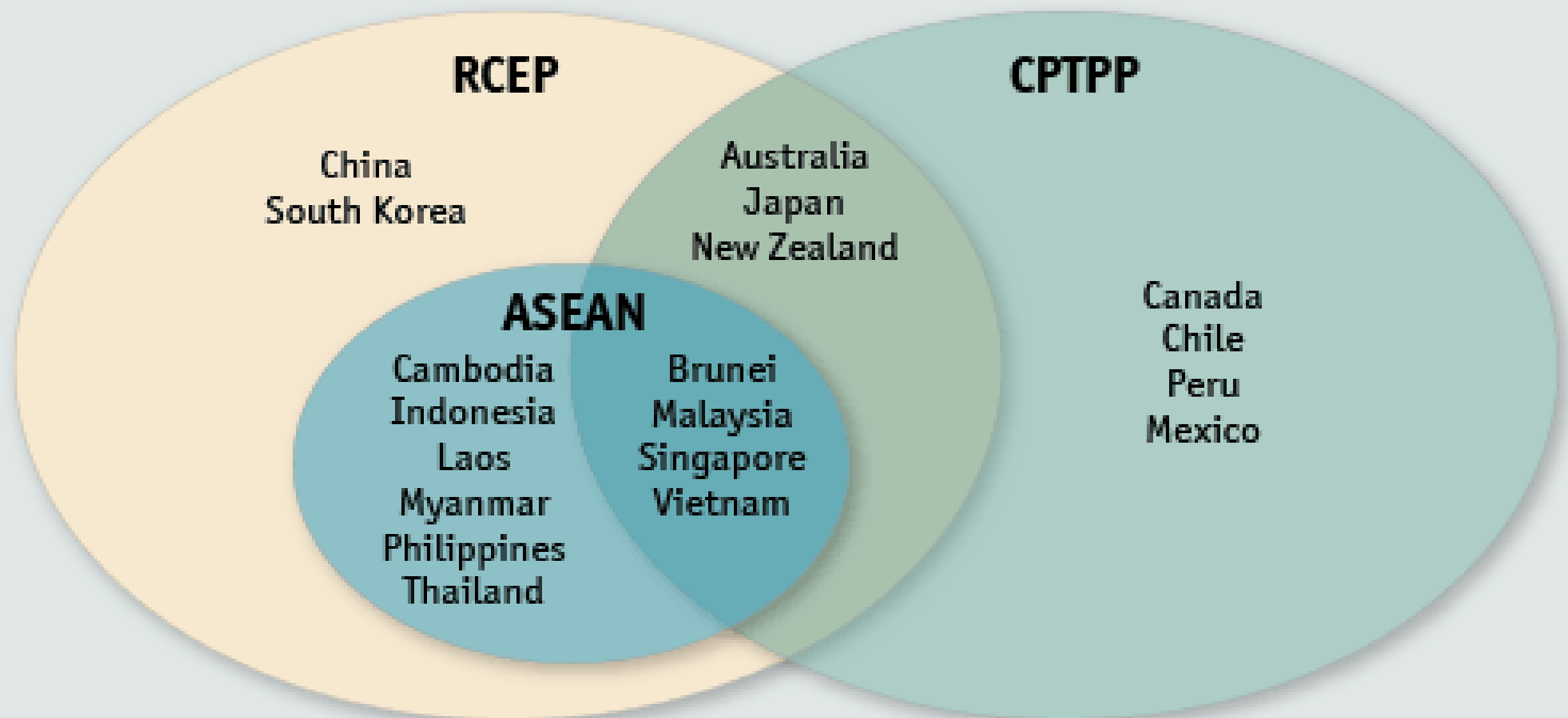
## ◆ Regional Architecture centered on ASEAN



# Why ASEAN Matters

## ◆ ASEAN and Regional FTA Networks

### Asia-Pacific trade groupings



Source: The Economist Intelligence Unit.

# Korea-ASEAN Partnership

## ◆ History of Korea-ASEAN Partnership

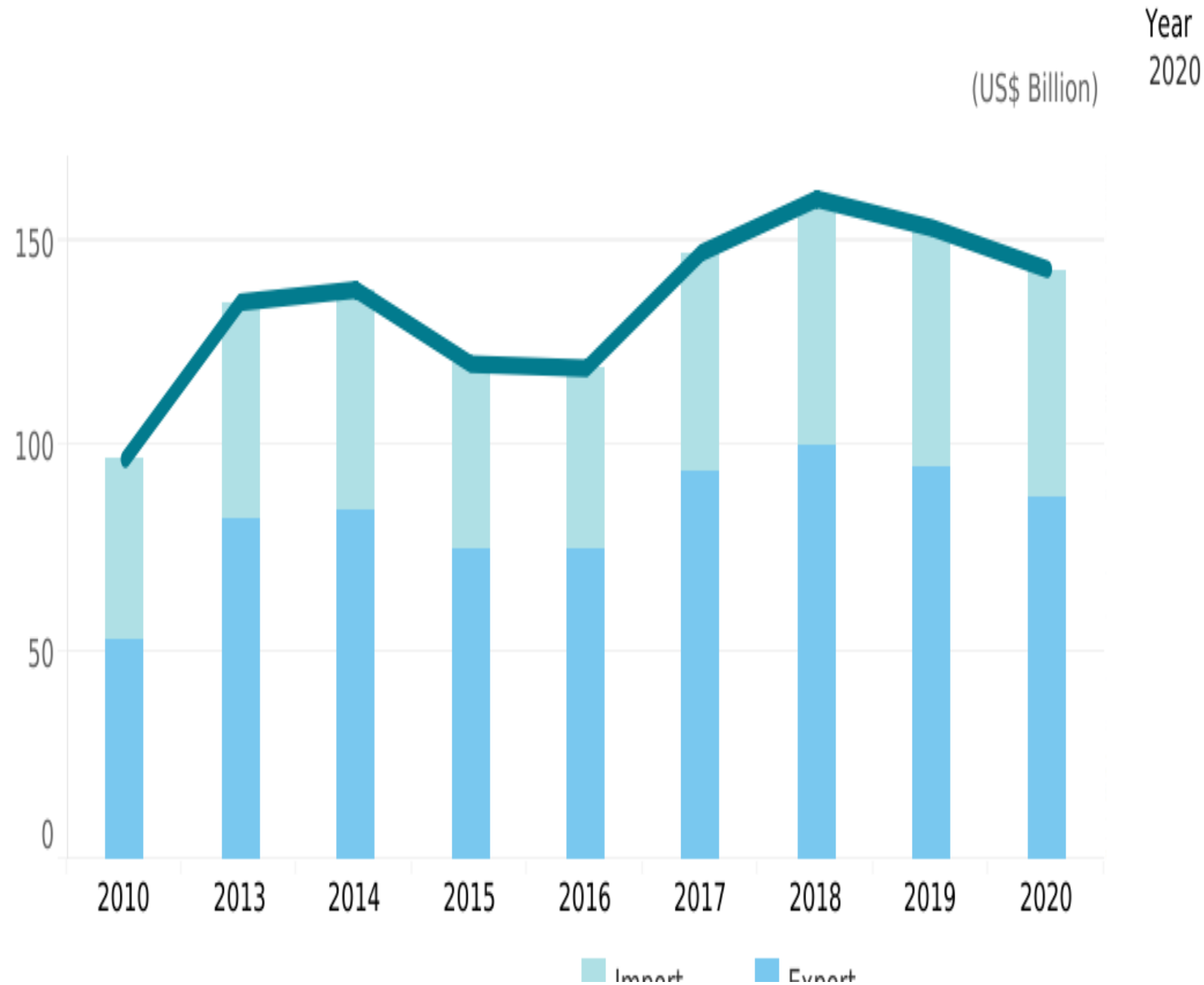


- **Nov. 1989**      **Sectoral Dialogue Partnership**
- **Jul. 1991**      **Dialogue Partnership**
- **Nov. 2004**      **Comprehensive Cooperation Partnership**
- **Jun. 2007**      **ASEAN-Korea FTA**
- **Oct. 2010**      **Strategic Partnership for Peace and Prosperity**
- **Nov. 2019**      **Special Commemorative Summit  
for the 30<sup>th</sup> year Anniversary, Busan**

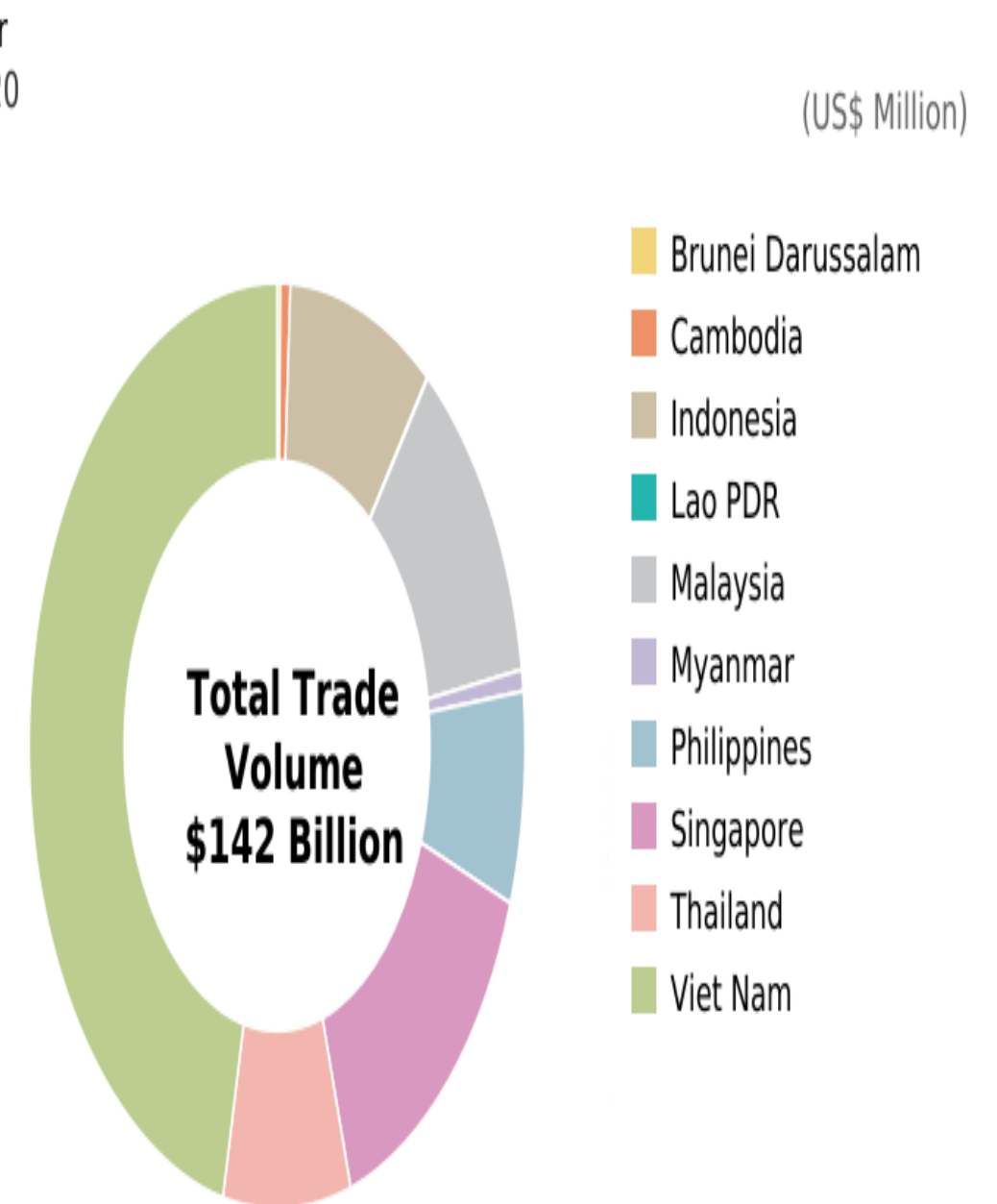
# Korea-ASEAN Partnership

◆ ASEAN is Korea's second largest trading partner

ASEAN-Korea Annual Trade Volume



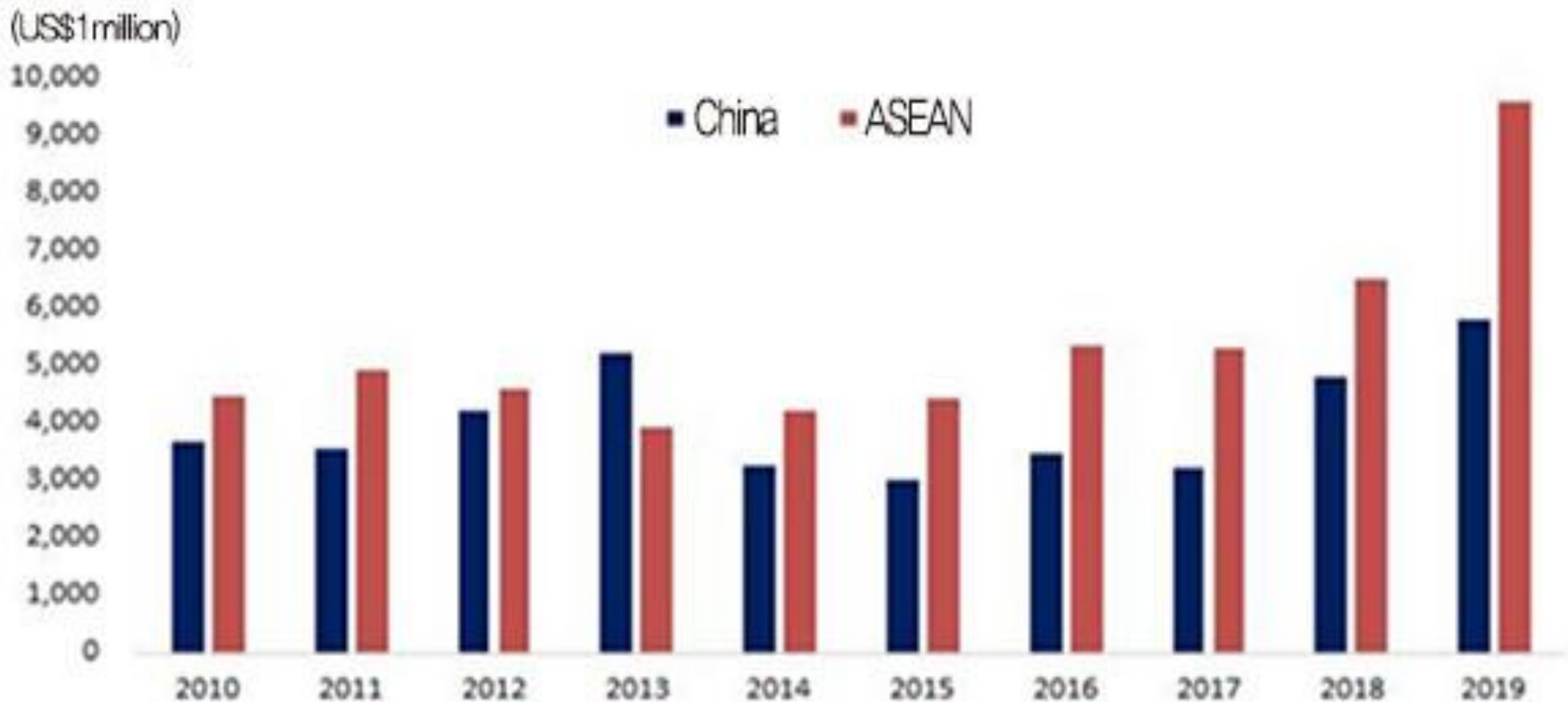
Korea's Trade with ASEAN Member States



# Korea-ASEAN Partnership

◆ ASEAN is Korea's Top FDI destination

## Comparison of S. Korea's FDI in China and in ASEAN countries

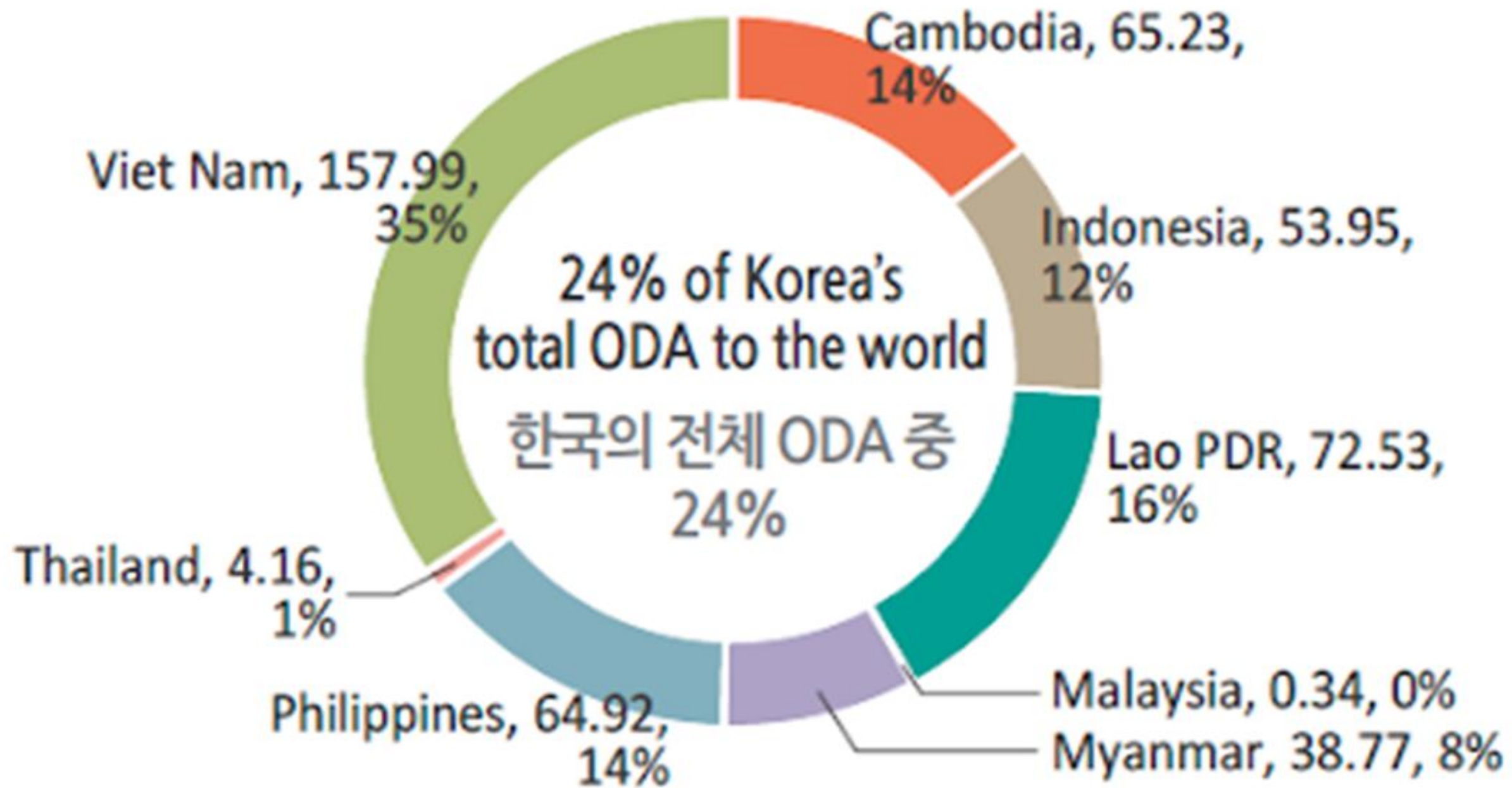


Source: Korea International Trade Association

# Korea-ASEAN Partnership

◆ ASEAN is Korea's No. 1 ODA Partner

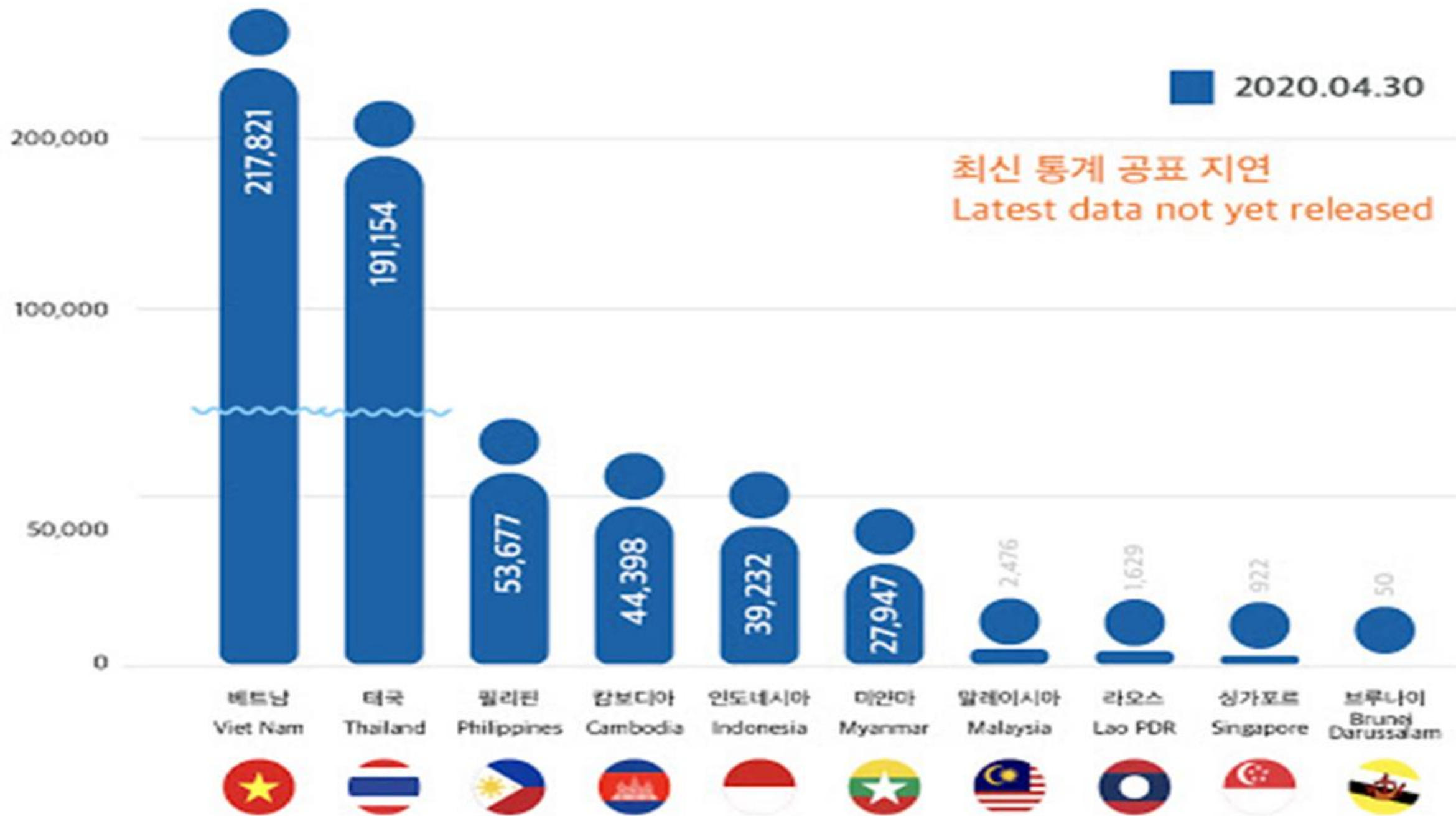
(US\$ Million, 백만 달러)



# Korea-ASEAN Partnership

아세안 회원국별 국내 인구 체류 현황  
ASEAN Nationals in Korea

2020. 04



출처: 법무부 (ROK Ministry of Justice)

# Korea-ASEAN Partnership

## ◆ NEW Southern Policy

VISION

**KOREA-ASEAN Community of Shared Future**  
“People-centered Community of Peace and Prosperity”



# Korea-ASEAN Partnership

## ◆ Three Community Building under New Southern Policy

### 01 A Community of People

**Greater mutual understanding through an expansion of exchanges**

- Increasing the number of mutual visitors
- Expanding 2-way cultural exchanges
- Supporting HR capacity building
- Helping improve governance by enhancing public administration competencies, etc.
- Promoting rights of Indian and ASEAN people staying in Korea
- Offering support to improve quality of life

### 02 A Community of Prosperity

**Building a base for mutually beneficial, future-oriented economic cooperation**

- Strengthening institutional framework for greater trade and investment
- Actively participating in the development of infrastructure aimed at greater connectivity
- MSME cooperation and improved market access
- Improving innovative growth competencies through new industries and smart cooperation
- Designing a cooperative model tailored to each nation

### 03 A Community of Peace

**Constructing a peaceful and safe environment in the region**

- Invigorating exchanges between Head-of-States and high-ranking officials
- Greater cooperation for building a peaceful and prosperous Korean Peninsula
- Expanding cooperation in national defense and the defense industry
- Collective responses to anti-terrorism as well as cyber and maritime security
- Better resilience to regional contingencies

# Korea-ASEAN Partnership



# Korea-ASEAN Partnership



ASEAN-KOREA CENTRE

**AKC** ASEAN-KOREA  
COOPERATION  
FUND Collaborate.  
Communicate. Coexist.

ASEAN Culture House, Busan



# Smart City Cooperation

## Smart City

- Future-proof cities that solve various urban problems, improve the quality of life of citizens and accelerate innovation growth with the introduction of ICT new technologies.

- A city that, along with citizens and businesses, solves urban problems based on data and changes the lives of citizens.

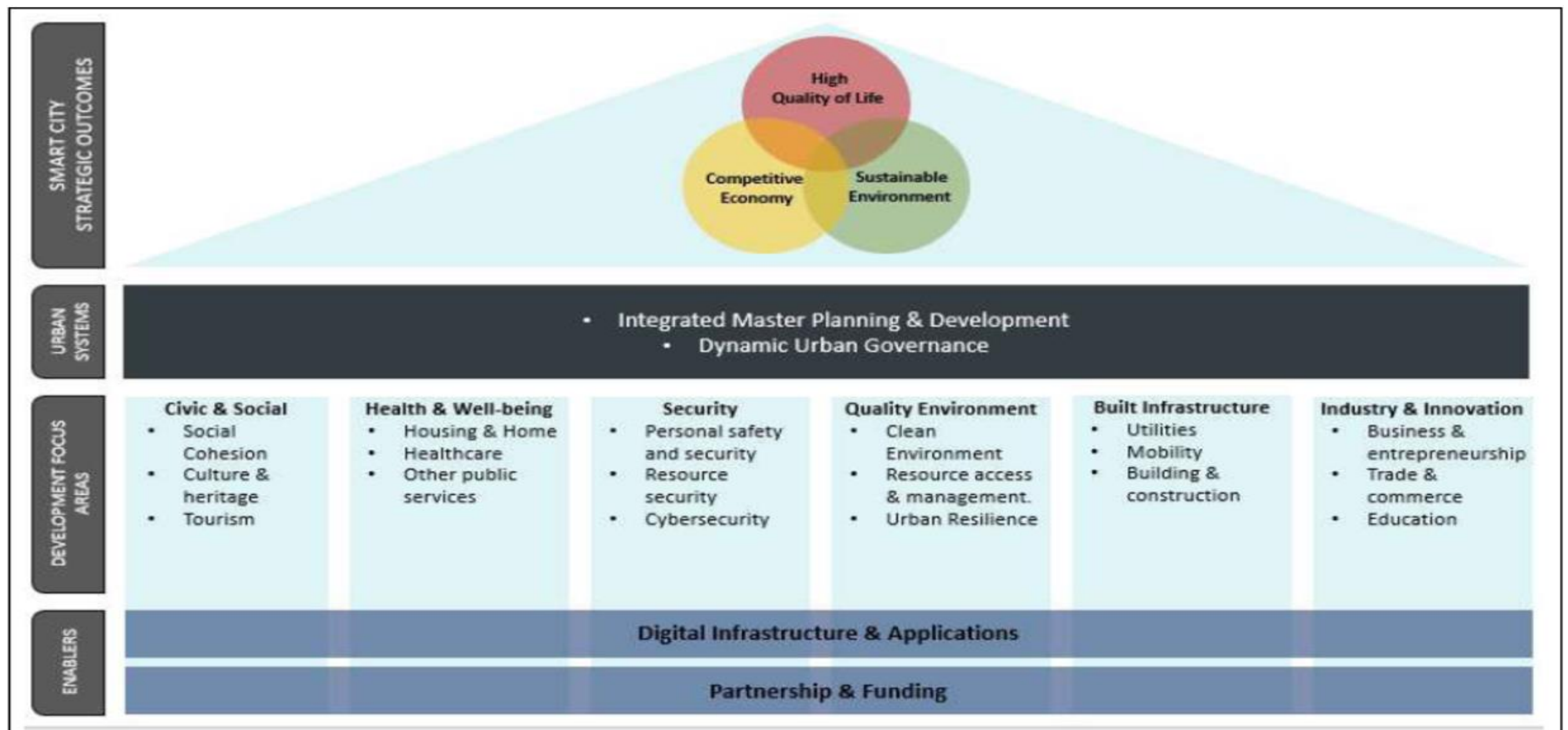


# Smart City Cooperation

## ◆ South-east Asia's vision for smarter cities: ASEAN Smart City Network(ASCN)

The ASCN is a collaborative platform where cities work together towards the common goal of smart and sustainable urban development.

Its primary goal will be to improve the lives of peoples, and promote new business opportunities and innovation in smart city development.



# Smart City Cooperation

Collaboration platform between  
10 ASEAN countries



# Smart City Cooperation



The First ministerial meeting to foster smart city collaboration between Korea and ASEAN on November 25 in Busan, Korea

## [Key Areas for Cooperation]

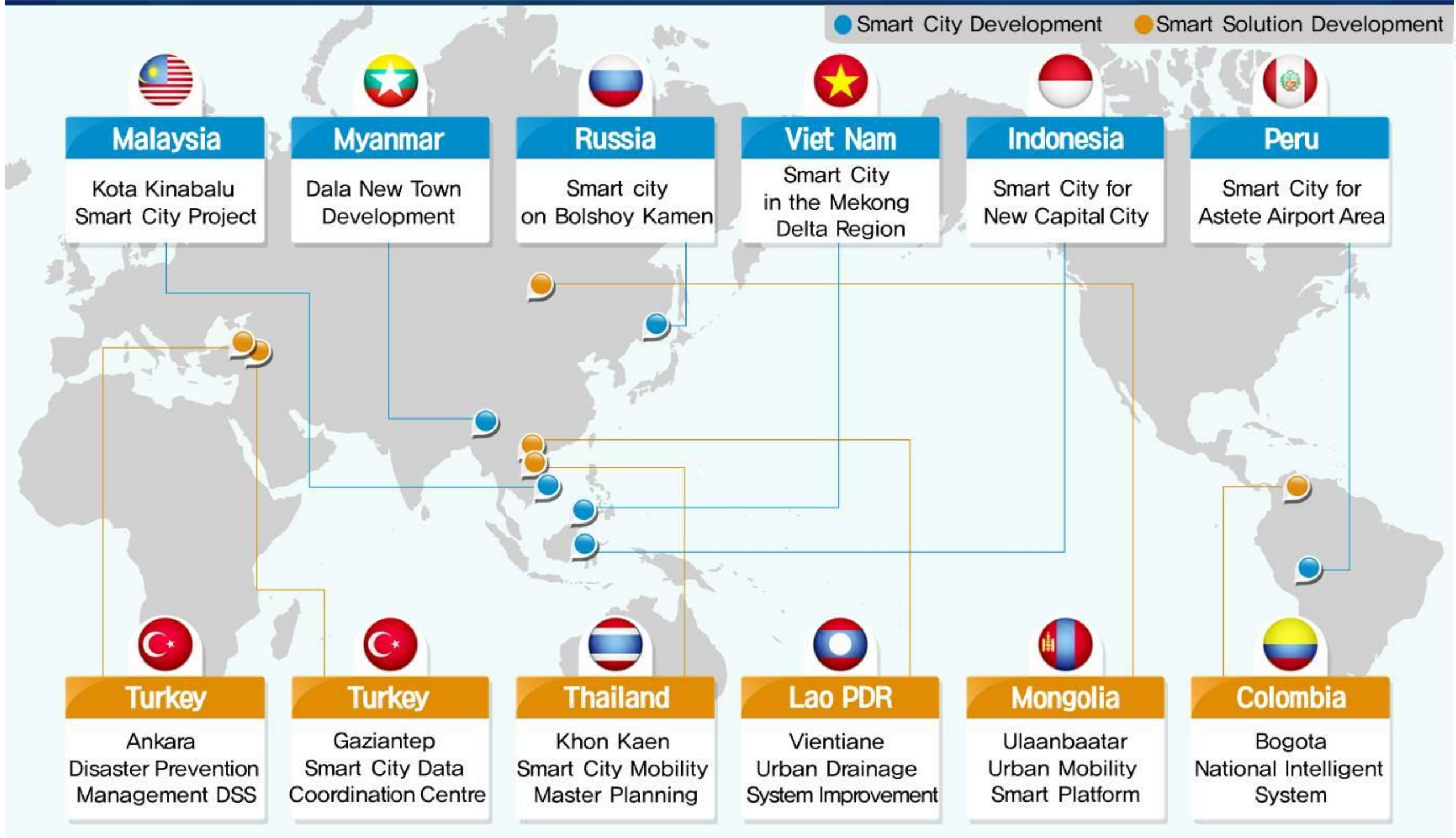
- Urban development
- Safety
- Transportation
- Water management



# Smart City Cooperation

## 2020 K-City Network Project Selection

● Smart City Development ● Smart Solution Development



# Smart City Cooperation

## K-City Network

### Global Cooperation Program 2021

Application Period : February 18 - April 20, 2021

#### Program Overview

'K-City Network: Global Cooperation Program': A G2G program for providing technical assistance for smart city projects and knowledge sharing

#### Project Type

##### Smart City Planning

Basic concept, Master plan, Feasibility study

+ Invitational training

Provide a packaged solution to smart city development



##### Selection

Up to 4 projects  
(400 to 600mil. KRW per project)

##### Eligible Applicants

Central/Local Governments

##### Solution Planning

Basic concept, Master plan, Feasibility study

Develop plans for smart solutions tailored to urban problems such as traffic, security, etc.



##### Selection

Up to 4 projects  
(200 to 300mil. KRW per project)

##### Eligible Applicants

Central/Local Governments

##### Solution Demonstration

Pilot Operation & Validation

Introduce and demonstrate smart solutions developed by Korean companies



##### Selection

Up to 3 projects  
(400 to 600mil. KRW per project)

##### Eligible Applicants

Korean Companies with an international partner organization

#### Schedule



# Smart City Cooperation



Korean English



About Us Policy Project R & D Governance Global smart city



About Us



National pilot smart city



smart challenge



R & D



Smart city tour



News

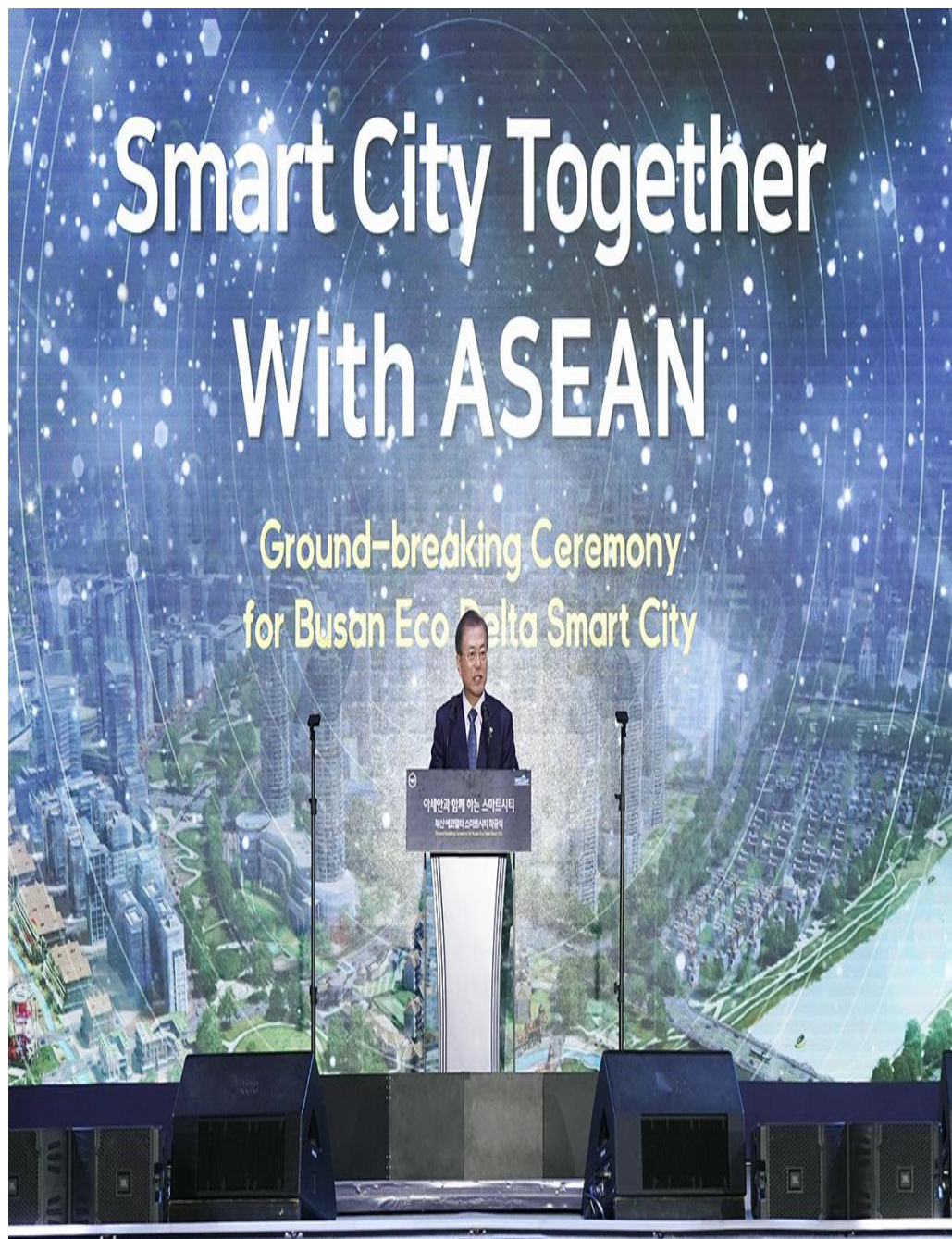


# KIND

Korea Overseas Infrastructure & Urban Development Corporation

**KIND** is an organization established in June 2018 by the government of the Republic of Korea to proactively support global Public-Private Partnership (PPP) business.

# Smart City Cooperation



# Smart City Cooperation

## ◆ Sejong Smart City's Future City



### Key elements

- 3 Value: De-materialism, Decentralization, Smart Technology
- 7 innovation factors: mobility, healthcare, education & jobs, energy and environment, governance, culture & shopping, life & safety

# Smart City Cooperation



## Seoul's Policy Sharing Initiative

Seoul's unique urban development experiences are particularly applicable as benchmarks for partner cities



- 1) Limited natural resources and financing
- 2) Rapid population growth within limited land space
- 3) Efficient solutions for urban challenges within a short timespan ('leapfrogging')
- 4) Collaboration with policy leaders, experts, and private sector innovations

# Smart City Cooperation

## SEOUL URBAN SOLUTIONS AGENCY

### SMART WATER MANAGEMENT

Arisu Combined Information System

- Production Management
- Water Supply Management
- Facility Control
- Water Quality Testing

Smart Metering

Advanced Water Purification System

### SMART ENERGY

One Less Nuclear Power Plant Program

Solar City Seoul

Magok Smart Energy City

Building Retrofit Program

### SMART WASTE MANAGEMENT

Resource Recovery Facility (WTE)

Waste Volume Reduction Policies

Rehabilitation of Decommissioned Landfills

### SMART TRANSPORTATION

Integrated Public Transportation and Quasi Public Bus Operations

Bus Rapid Transit

Integrated Traffic Fare System (TOPIS)

Shared Mobility (Share Bikes)

### SMART GOVERNANCE

Smart Transparency

- E-Tax System
- CCS

Integrated Smart Platforms and Data Management

- Data Center
- Digital Mayor's office

Big Data

- Night Bus
- Market Analysis Service

Open Citizen Participation

- Democracy Seoul
- M-voting
- Open Data Plaza

### SMART URBAN PLANNING

2030 Urban Plan Multi-core City System

Land Partitioning System

Redevelopment of Faulty Residential sites

Seoullo 7017

Bukchon Hanok Village Preservation

Chyeonggyecheon Stream Preservation

# Smart City Cooperation

# CITYNET

THE REGIONAL NETWORK OF LOCAL AUTHORITIES  
FOR THE MANAGEMENT OF HUMAN SETTLEMENTS

# WeGO

World Smart Sustainable Cities Organization



## URBAN SDG KNOWLEDGE PLATFORM

WeGO

## WeGO-ASCN MAYORAL CONFERENCE

November 21 - 22 | Seoul, Korea | Grand Hilton



# Thank YOU!



# Q & A

