



**United  
Nations**

Department of  
Economic and  
Social Affairs



## Session III – Digital Government Transformation and Innovation for Building Back Better

2020 UN E-Government Survey: Digital Transformation in Asia-Pacific

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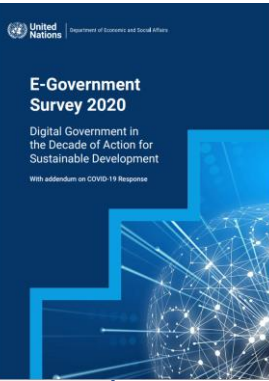
Department of  
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Incheon  
Metropolitan City



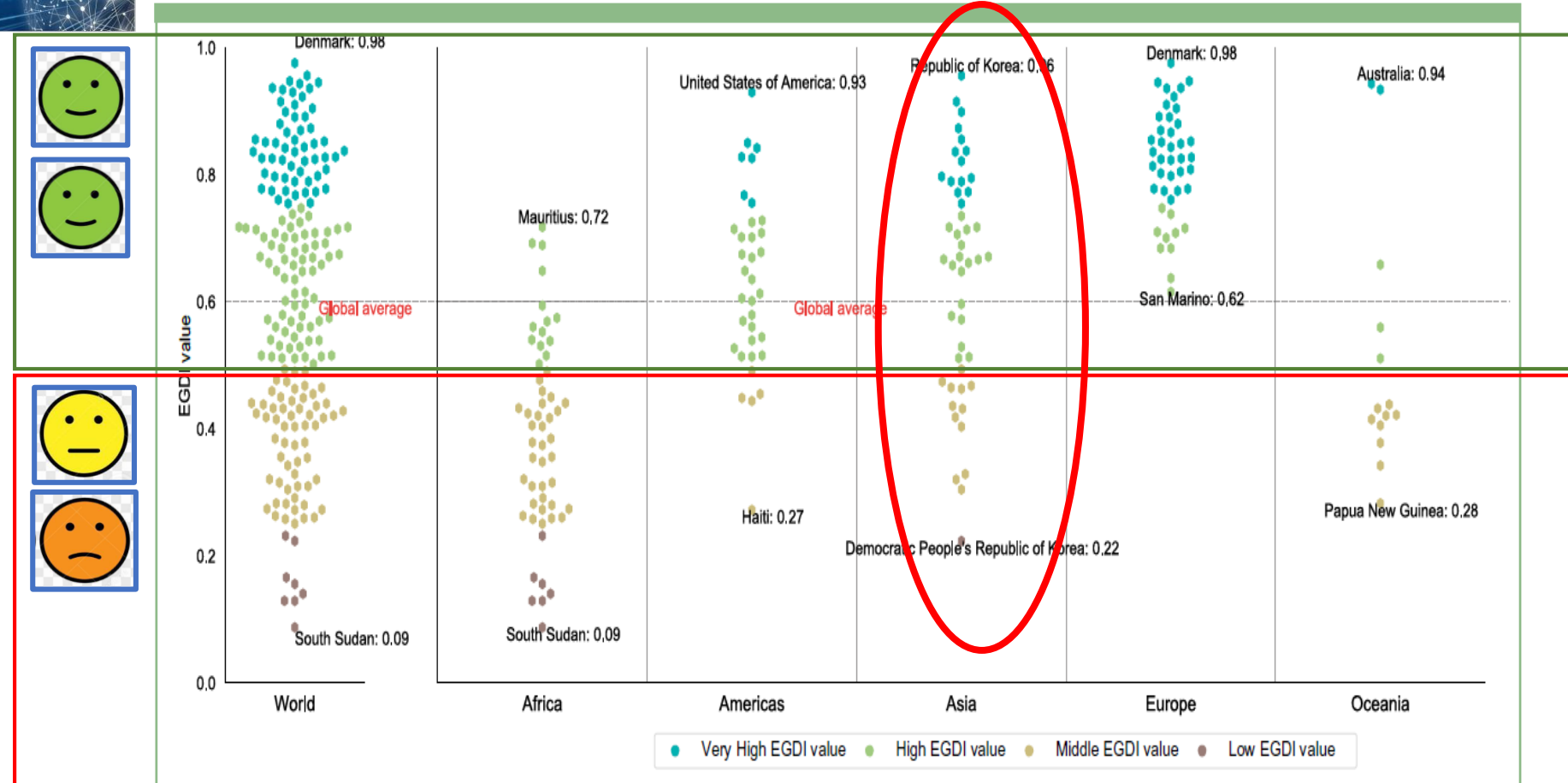
# 2020 E-Government Development Global and Regional Distribution

## Key Findings

- ✓ **The Global average EGD increased to 0.60 in 2020, from 0.55 in 2018**
- ✓ **All MS in Europe have EGD scores above the global average of 0.60**
- ✓ **Oceania and Africa regions remain below the global average of 0.60**

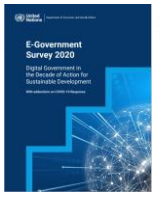
- ❑ Europe - Average EGD: 0.82
- ❑ Asia - Average EGD: 0.64
- ❑ Americas – Average EGD: 0.64
- ❑ Oceania – Average EGD: 0.53
- ❑ Africa – Average EGD: 0.39

Figure 2.2 Global and regional distribution of 193 countries according to EGD level, 2020





# Regional Snapshot: Asia



Low-EGDI				Middle-EGDI				High-EGDI				Very High-EGDI			
L1	L2	L3	LM	M1	M2	M3	MH	H1	H1	H3	HV	V1	V2	V3	VH

## Key Messages

**Asia increased** its average **EGDI** value from 0.57 in 2018 to 0.64 in 2020, or **by 10 per cent** becoming the **second most advanced region** in e-government development.

- ❑ **ROK , Singapore and Japan** lead in the region  
(Highest Rating class VH)
- ❑ **15 MS** are in the **Very-High EGDI**
- ❑ **7 MS** moved from **High to Very-High EGDI** (Saudi Arabia, China, Kuwait, Malaysia, Oman, Turkey, and Thailand)
- ❑ **19 MS** are in the **High EGDI**
- ❑ **3 MS** moved from **Middle to High** (Bhutan, Bangladesh, and Cambodia)
- ❑ **12 MS** are in the **Middle EGDI**
- ❑ **1 MS** is in the **Low EGDI** (the Democratic People's Republic of Korea) ) (\*\*)

(\*\*) See E-Government Survey 2020 Annex

Country	"Rating class"	"EGDI Rank"	Sub-Region	"OSI value"	"HCI value"	"TII value"	"EGDI (2020)"	"EGDI (2018)"
Republic of Korea	VH	2	Eastern Asia	1.0000	0.8997	0.9684	0.9560	0.901
Singapore	VH	11	South-Eastern Asia	0.9647	0.8904	0.8899	0.9150	0.8812
Japan	VH	14	Eastern Asia	0.9059	0.8684	0.9223	0.8989	0.8783
Cyprus	V3	18	Western Asia	0.8706	0.8429	0.9057	0.8731	0.7736
United Arab Emirates	V3	21	Western Asia	0.9000	0.7320	0.9344	0.8555	0.8295
Kazakhstan	V3	29	Central Asia	0.9235	0.8866	0.7024	0.8375	0.7597
Israel	V2	30	Western Asia	0.7471	0.8924	0.8689	0.8361	0.7998
Bahrain	V2	38	Western Asia	0.7882	0.8439	0.8319	0.8213	0.8116
Saudi Arabia*	V2	43	Western Asia	0.6882	0.8648	0.8442	0.7991	0.7119
China*	V1	45	Eastern Asia	0.9059	0.7396	0.7388	0.7948	0.6811
Kuwait*	V1	46	Western Asia	0.8412	0.7470	0.7858	0.7913	0.7388
Malaysia*	V1	47	South-Eastern Asia	0.8529	0.7513	0.7634	0.7892	0.7174
Oman*	V1	50	Western Asia	0.8529	0.7751	0.6967	0.7749	0.6846
Turkey*	V1	53	Western Asia	0.8588	0.8287	0.6280	0.7718	0.7112
Thailand*	V1	57	South-Eastern Asia	0.7941	0.7751	0.7004	0.7565	0.6543

\* Countries that moved from the high to the very high EGDI group in 2020.



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## BENCHMARK COUNTRIES

Community I: Rep. Korea, Singapore

## TOP-OF-THE-CLASS COUNTRIES

Community II: United Arab Emirates, Kazakhstan, Bahrain

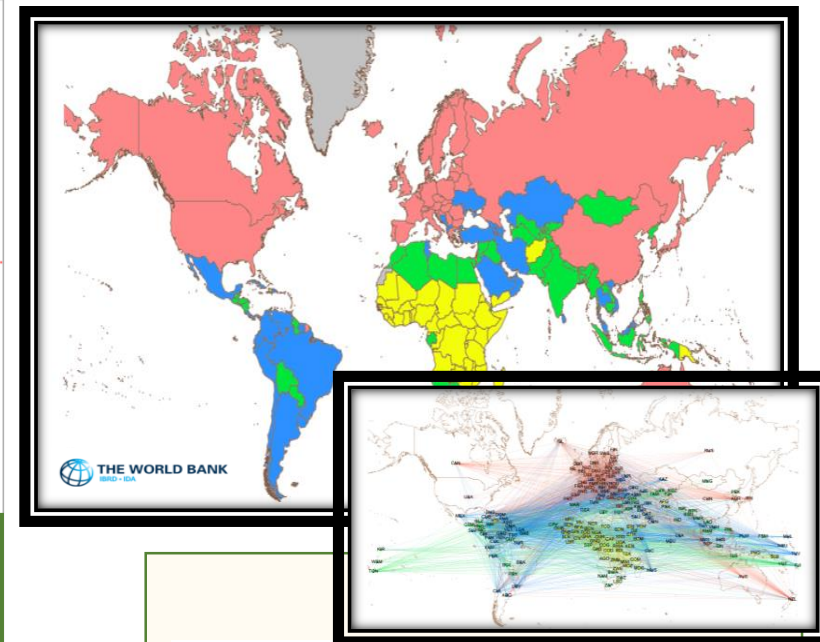
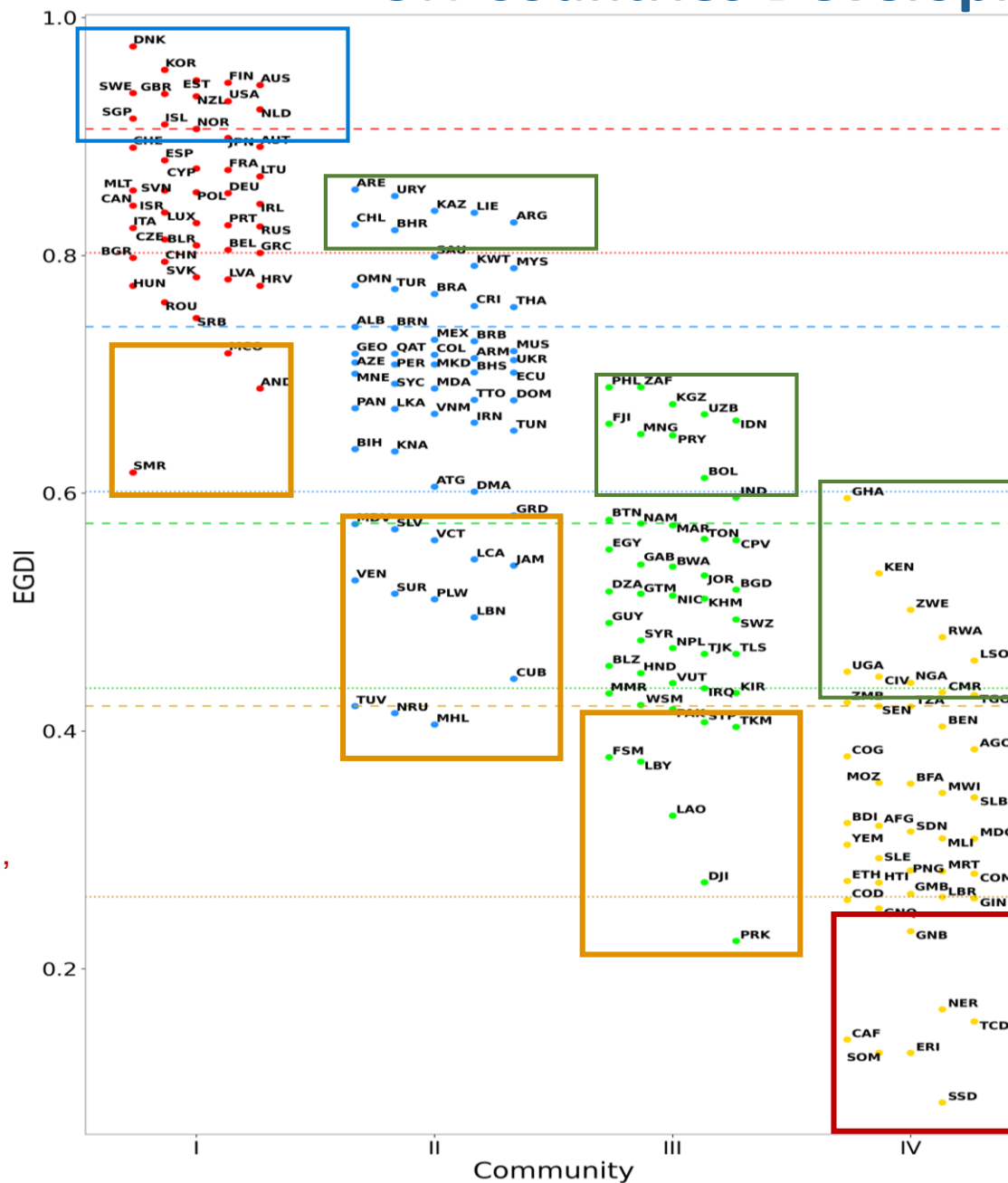
Community III: Philippines, Kyrgyz Republic, Uzbekistan, Indonesia, Mongolia

## ROOM-FOR-IMPROVEMENT COUNTRIES:

Community II: Maldives, Palau, Lebanon

Community III: Pakistan, Turkmenistan, Lao PDR, Dem. People's Rep. Korea

# UN Countries Development Network



## nature scientific reports

Loredana Bellantuono, Alfonso Monaco, Sabina Tangaro, Nicola Amoroso, Vincenzo Aquaro, Roberto Bellotti

**An equity-oriented rethink of global rankings with complex networks mapping development**

Scientific Reports **10**, 18046 (2020)

<https://doi.org/10.1038/s41598-020-74964-3>