

# DotAsia Update & the EcoInternet Index

2024.09.03 | IGF Kyoto

A faint, dark blue map of the Asian continent is visible in the background of the slide.

www.asia

**Asian** #InspirAsian



# EcoInternet\_Index

#DoMore #WasteLess

<https://ecointernet.asia>



7 AFFORDABLE AND  
CLEAN ENERGY



**THE GLOBAL GOALS**  
For Sustainable Development

## EcoInternet Pilot Study Report 2021

The COVID-19 pandemic unequivocally demonstrated that the Internet is and will likely continue to be the core and

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BÖLL  
STIFTUNG



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**THE GLOBAL GOALS**  
For Sustainable Development



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# Pilot Study 2021 Group of Advisors:



**Cassian DREW**

*Managing Director, Inclusive Growth*

*Advisor on COVID-19*

*Economic Recovery, UNDP*



**George KAMIYA**

*Digital/energy analyst at the International Energy Agency in Paris*



**Kathryn SFORCINA**

*Global Head of Strategy, IV.AI  
Co- Chair, UN IGF Policy Network for Environment and Digital*



**Kavickumar MURUGANATHAN**

*Sr Manager, Asia Datacenter Sustainability Policy, Microsoft*



**Desiree MILOSHEIC**

*International Affairs and Policy Adviser at Afiliias  
Former Special Advisor to the Chair of the UN IGF MAG*



**Sang Min SHIM**

*Visiting research fellow, Sejong Institute  
Former Assistant Professor of Korean National Diplomatic Academy*



**David JENSEN**

*UNEP Head of Environmental Peacebuilding*



**Anna MOORE**

*Sustainability Consultant and Partnerships Manager, Eco-Business*





# Towards a Multi-factor Composite Indicator

## •Economy

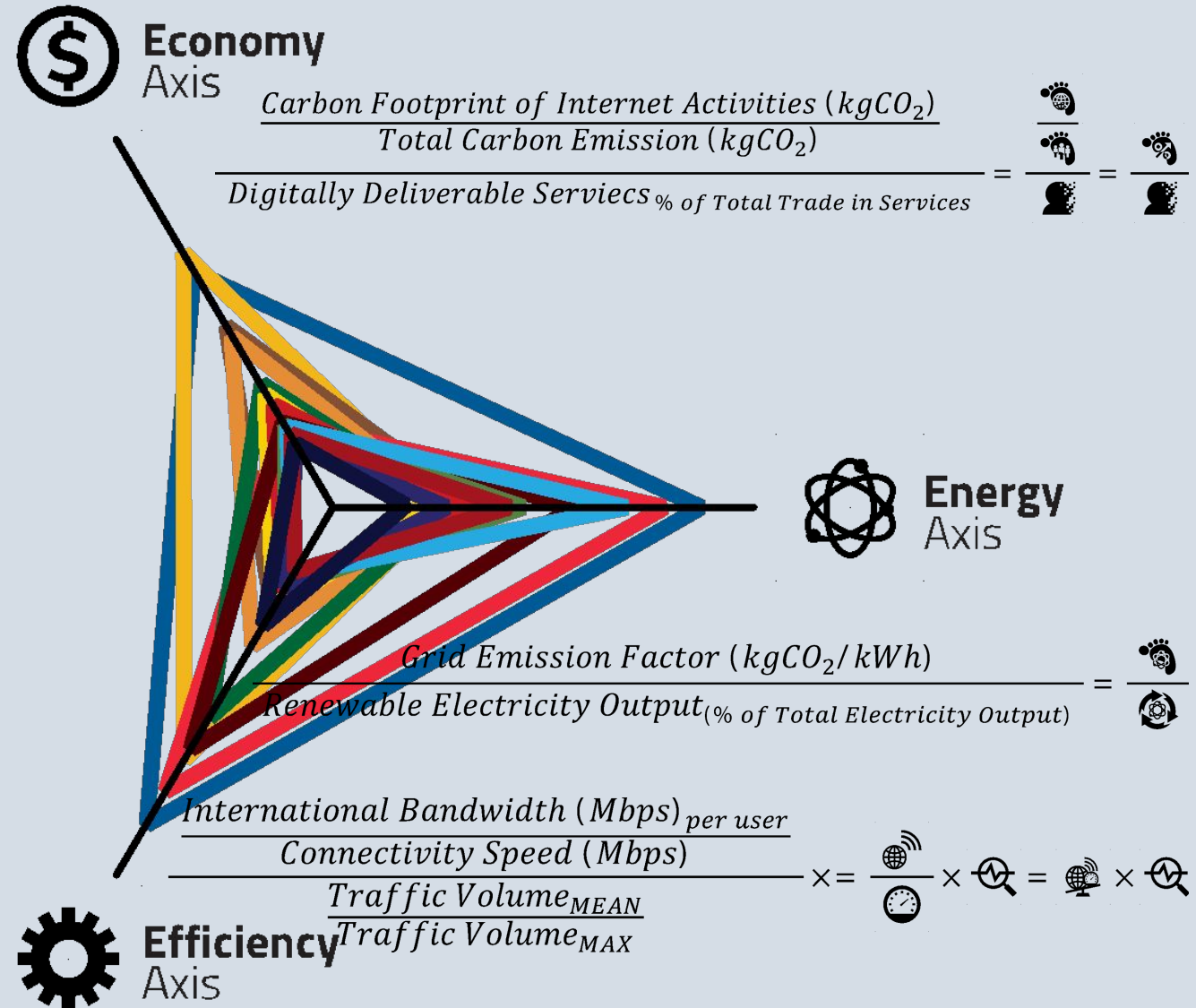
- Internet Usage patterns
- Digital Economy Consideration

## •Energy

- Grid Emission Factor
- Renewable Sources

## •Efficiency

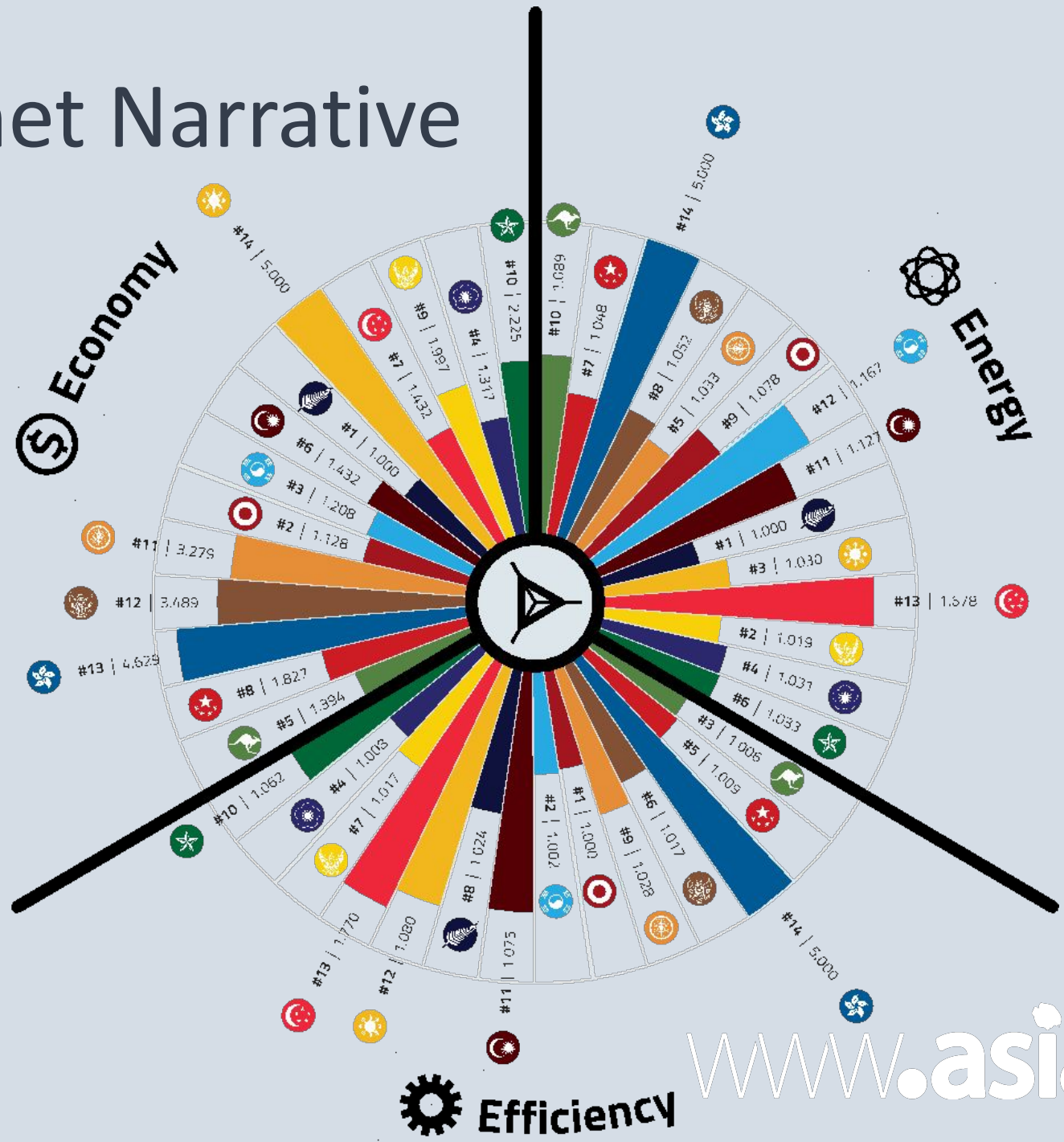
- Network Capacity
- Speed & Variance



$$\frac{\$ \times \text{Energy} \times \sin 120^\circ}{2} + \frac{\text{Energy} \times \text{Efficiency} \times \sin 120^\circ}{2} + \frac{\text{Efficiency} \times \$ \times \sin 120^\circ}{2}$$

# Overarching EcoInternet Narrative

- Carbon conscious users are important. Users and industry practices make a difference.
- Renewable energy powering the Internet and Network Efficiency
- Digital economy replacing more carbon heavy trade.
- **#DoMoreWasteLess**

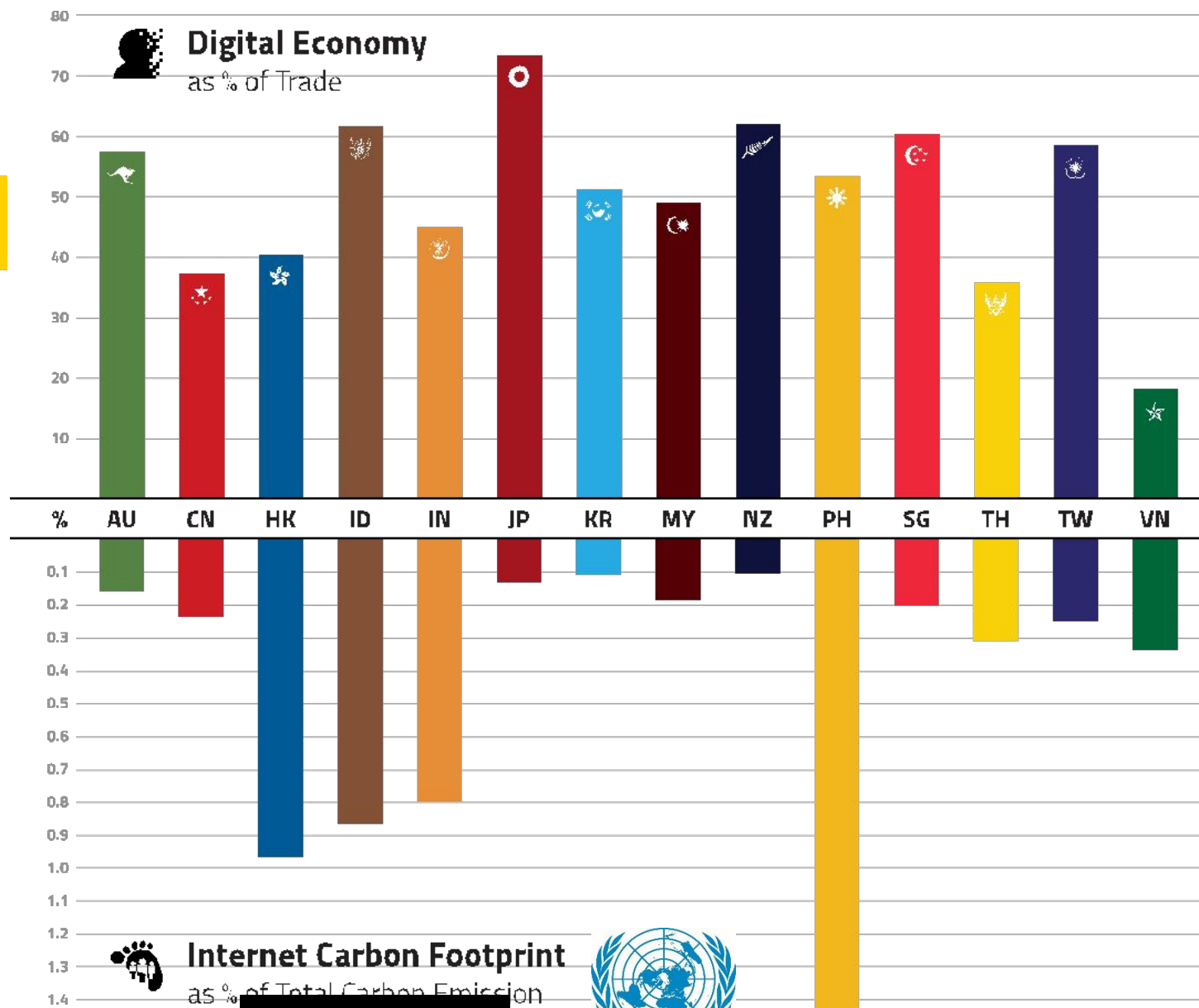


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# Economy Axis

Rank	Country/ Economy	Internet Carbon footprint	Digital Transformation	EII: Economy Score (Raw)	Normalized Score	\$
1	NZ	0.06%	55.43%	0.115%	1.000	
2	JP	0.13%	73.24%	0.183%	1.128	
3	KR	0.11%	47.88%	0.225%	1.208	
4	TW	0.15%	53.44%	0.282%	1.317	
5	AU	0.16%	49.19%	0.322%	1.394	
6	MY	0.18%	51.53%	0.342%	1.432	
7	SG	0.21%	62.51%	0.343%	1.432	
8	CN	0.24%	43.52%	0.550%	1.827	
9	TH	0.31%	48.03%	0.640%	1.997	
10	VN	0.34%	44.89%	0.760%	2.225	
11	IN	0.80%	60.95%	1.316%	3.279	
12	ID	0.87%	60.86%	1.426%	3.489	
13	HK	0.97%	47.80%	2.027%	4.629	
14	PH	1.46%	65.89%	2.222%	5.000	



we  
are  
social

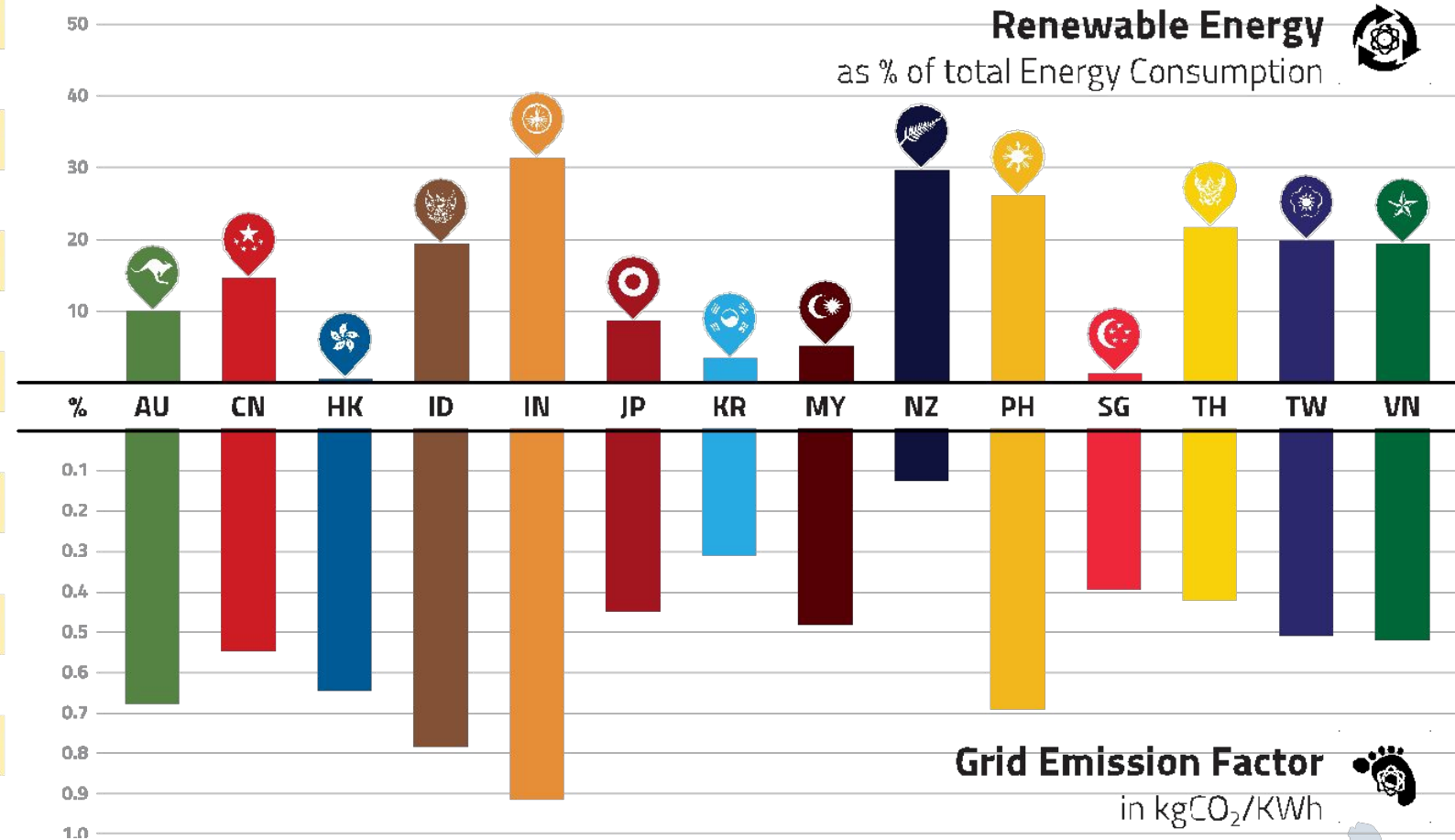
Hootsuite



www.asia



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# Efficiency Axis

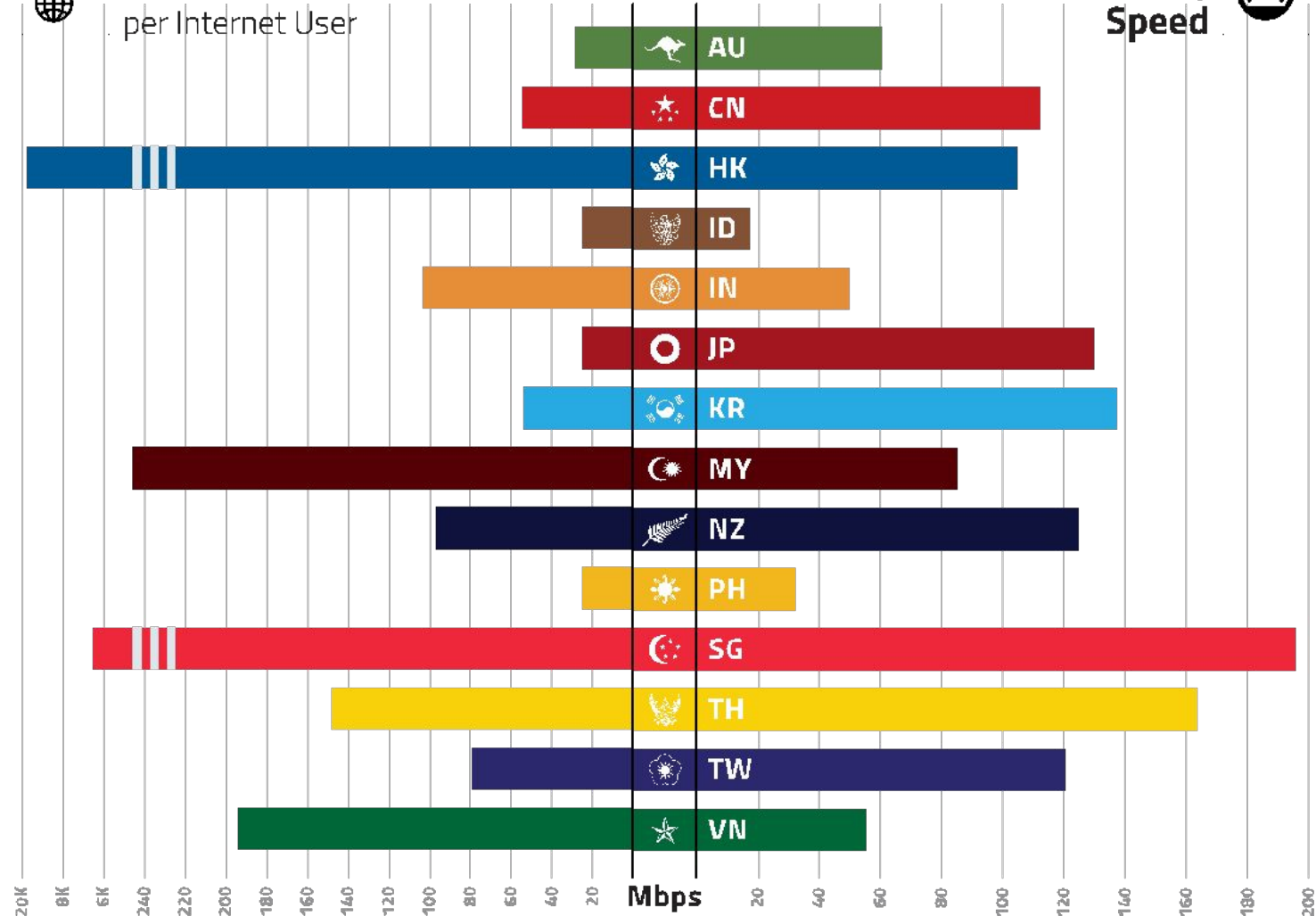


International Bandwidth  
per Internet User

Internet Connectivity  
Speed



Rank	Country/ Economy	Connectivity Quality (Speed / Bandwidth)	Traffic Variance (Peak/Avg)	EII: Efficiency Normalized Score (Raw)	Score
1	JP	5.289	1.921	0.363	1.000
2	KR	2.814	1.502	0.534	1.002
3	AU	1.563	1.478	0.946	1.006
4	TW	1.531	1.610	1.051	1.008
5	CN	2.166	2.467	1.139	1.009
6	ID	0.723	1.346	1.863	1.017
7	TH	1.109	2.074	1.870	1.017
8	NZ	1.287	3.210	2.495	1.024
9	IN	0.441	1.288	2.919	1.028
10	VN	0.289	1.714	5.939	1.062
11	MY	0.346	2.467	7.135	1.075
12	PH	1.298	9.760	7.520	1.080
13	SG	0.026	1.826	69.583	1.770
14	HK	0.005	1.871	360.16	5.000

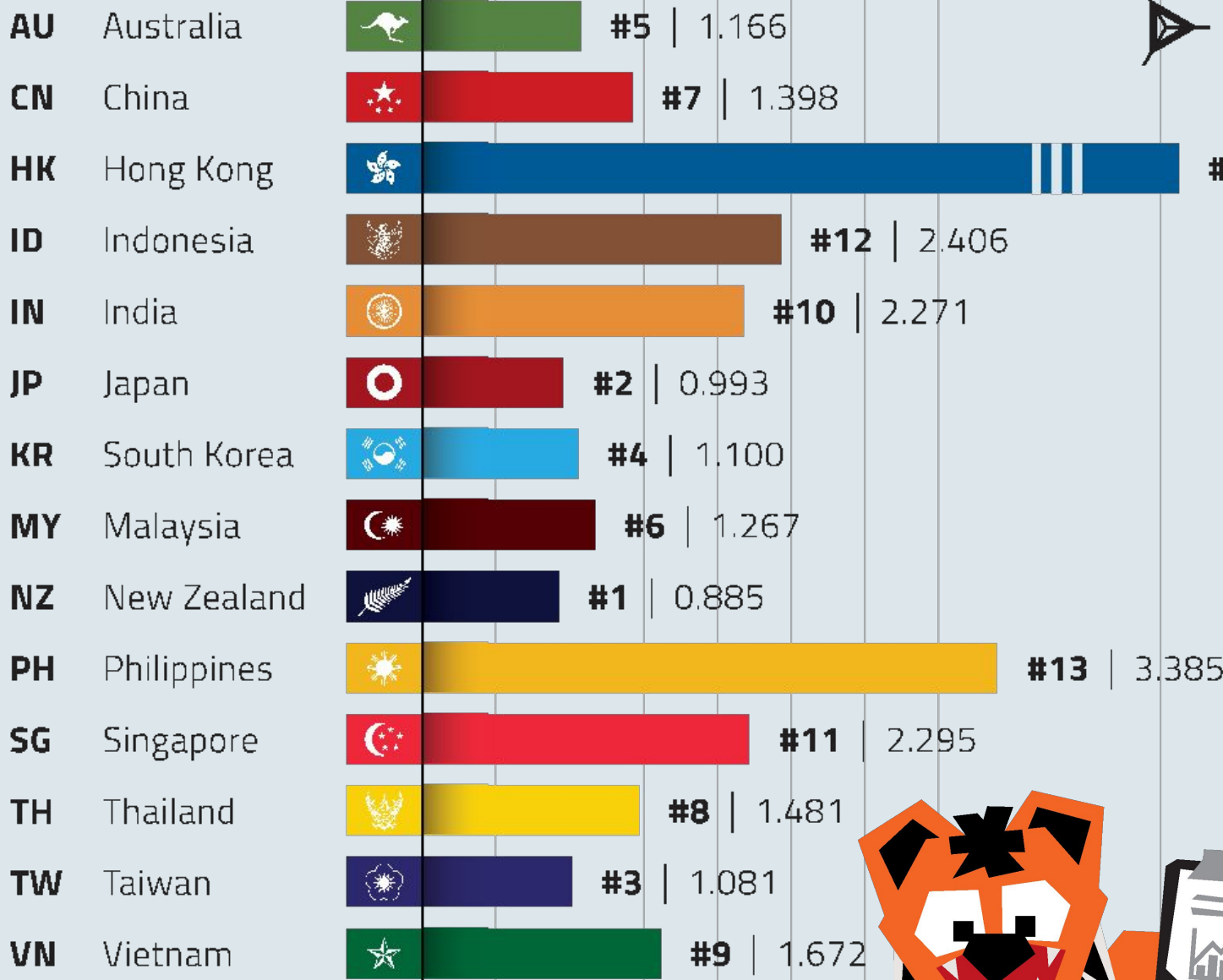


OOKLA  
SPEEDTEST



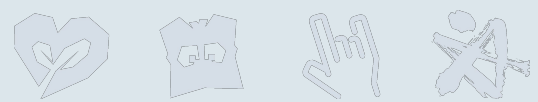
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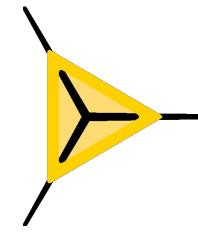
## EII: Overall Score

Country/ Rank		EII: Economy Score #		EII: Energy Score #		EII: Efficiency Score #		EII: Overall Raw Score Normalized Score	
1	NZ	1.000	1	1.000	1	1.024	8	0.885	1.000
2	JP	1.128	2	1.078	9	1.000	1	0.993	1.022
3	TW	1.317	4	1.031	4	1.008	4	1.081	1.040
4	KR	1.208	3	1.167	12	1.002	2	1.100	1.043
5	AU	1.394	5	1.089	10	1.006	3	1.166	1.057
6	MY	1.432	6	1.127	11	1.077	11	1.267	1.077
7	CN	1.827	8	1.048	7	1.009	5	1.398	1.104
8	TH	1.997	9	1.019	2	1.017	7	1.481	1.120
9	VN	2.225	10	1.033	6	1.062	10	1.672	1.159
10	IN	3.279	11	1.033	5	1.028	9	2.271	1.280
11	SG	1.432	7	1.678	13	1.770	13	2.295	1.285
12	ID	3.489	12	1.052	8	1.017	6	2.406	1.307
13	PH	5.000	14	1.030	3	1.080	12	3.385	1.505
14	HK	4.629	13	5.000	14	5.000	14	20.697	5.000





# Community Engagement:



**EcoInternet.asia**  
#DoMore #WasteLess

- Digital Inclusion and Sustainability comes Hand-in-Hand
- Carbon conscious youth will make a difference
- Multistakeholder approach reinforces policy interventions
- **#DoMoreWasteLess**



[www.asia](http://www.asia)

# Digital Inclusion & Sustainability



P



Ajitara



A young boy and an elderly woman are sitting on a wooden bench outdoors. The boy, on the left, is wearing a light blue shirt and dark shorts, and is holding a silver laptop. The woman, on the right, is wearing a pink sleeveless top and a patterned skirt. A tabby cat is sitting next to a woven basket on the bench. The background is a lush green landscape with trees and a wooden structure. The text ".asia" and "#RiseWithAsia" is overlaid on the right side of the image.

**.asia**  
**#RiseWithAsia**



# APrIGF 2024 – Taipei

Date: 21 - 23 August 2024  
(Hybrid)

Location: NTUH International Convention Center, Taipei City  
Overarching Theme: Evolving Ecosystems,  
Enduring Principles: Shaping Responsible Internet Governance

**3**

Days

**200+**

Speakers

**60+**

Sessions

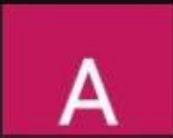
**1,000+**

Participants





[TC] Jasmine Yee Ma...



[Realtime Caption] P...



[GOV] Manal Ismail

[Real Time C...

[Real Time Caption -...



[CS] Neth Dano



Because equal is not the same  
as equitable, right? Because

cgib.r

Abner Reis {MAXI}

NETmundial+10

built on the issue.

Collapse All ^ 6

[MODERATOR] Carolina Alvares

[C]

Thank you for your comment  
Amrita. It is registered and w  
be taken into consideration.

1



Reply...



[CS] Hiroato Matsuura to Everyone



(QUESTION) I want ask this speaker  
(Nico?) from OpenAI about the  
possibility of "governance of AI"

2 2

Collapse All ^ ...

[MODERATOR] Carolina Alvares

[C]

We are accepting only  
comments for this event.  
Would you like to make a  
contribution?



Reply...



Who can see your messages

To: Everyone

Type message here...





# NETmundial+10 Multistakeholder Statement

## 多持份者模式声明

*Strengthening Internet governance and digital policy processes*

*加强互联网管治和数码政策制定程序*

São Paulo, Brazil, April 30th, 2024  
巴西圣保罗·二〇二四年四月三十日

### Preamble 前言

This is the non-binding outcome of a bottom-up, open, and participatory process involving people



## 1. Challenges to Internet governance and digital policy processes 互联网管治和数码政策程序面临的挑战

*From 2014 to 2024: Setting the scene for the São Paulo Guidelines*  
*从二〇一四年至二〇二四年：为《圣保罗指南》奠定基础*

Convened in São Paulo, Brazil, in April 2024, stakeholders from academia, civil society, governments and International Organizations, private sector, and technical community, around the world asserted the need for improvements to Internet governance and digital policy processes. The event spelled out how to bring all stakeholders, people, cultures, countries and distinct economies together to solve the common challenges we face. These transcend our divisions and can only be resolved by harnessing the energy of our disagreements, arguments, and hopes to shape a better future for all.

二〇二四年四月，NETmundial+10 在巴西圣保罗召开，来自学术界、公民社会、政府和国际组织、私营机构以及技术社群的持份者（利益相关方／利害关系者）共同确立了改善互联网管治（互联网治理／网路治理）和数码（数字／数位）政策制定程序的需要。会议阐明了如何将所有持份者、人民、文化、国家和经济体汇聚在一起，以解决当前的共同挑战。这些挑战超越了互相之间的分野，亦只有通过利用我们的分歧、争论和希望当中的能量，才能为所有人塑造更美好的未来。

The rapid digital transformation, continuous innovation and spread of multiple Internet-based technologies and applications, including the role of new digital and disruptive technologies such as Artificial Intelligence, present us with opportunities and challenges, impacting economic,





# Ethical dimensions of the Information Society



**Ms. Jennifer Chung**

Director of Corporate Knowledge  
DotAsia Organisation

Moderator



**Mr. Sameer Chauhan**

Director  
United Nations  
International  
Computing Centre  
(UNICC)



**H.E. Mr. Hubert Vargas Picado**

Vice Minister of  
Telecommunications  
Ministry of Science,  
Technology and  
Telecommunications  
Costa Rica



**H.E. Mr. Grigoriy Borisenko**

Deputy Minister  
Ministry of Digital  
Development,  
Communications  
and Mass Media of the  
Russian Federation

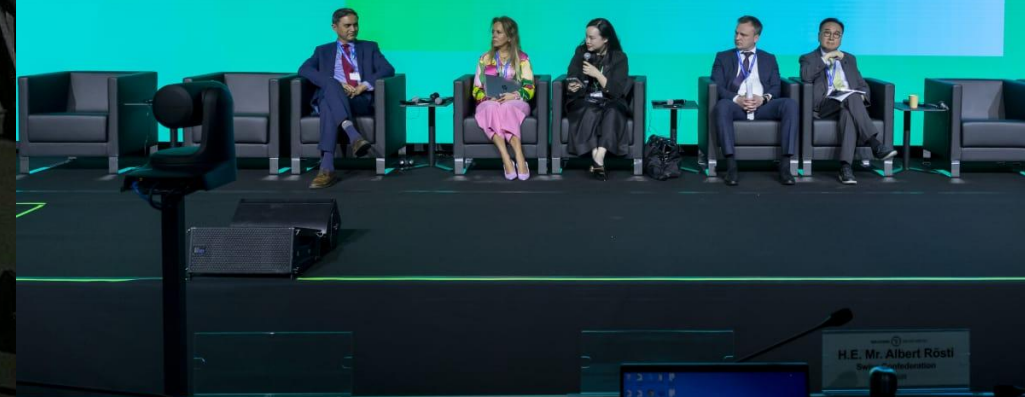
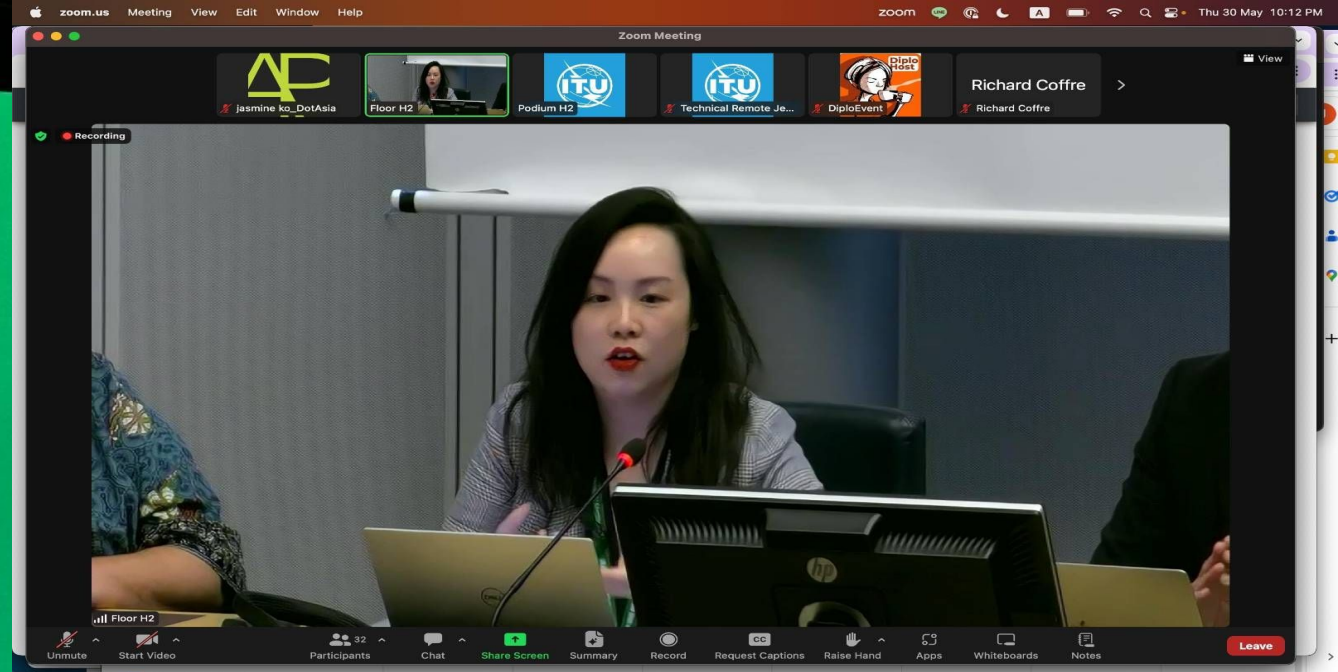
Minister  
Ministry of  
Communications and  
Technology  
Syrian Arab Republic

Korea Information  
Society  
Development  
Institute (KISDI)  
Republic of Korea

WSIS+20 FORUM HIGH-LEVEL EVENT 2024



**WSIS+20 FORUM**  
HIGH-LEVEL EVENT 2024







hk.yigf.asia









## DotAsia Members Adopt New Articles of Association

by Dot.Asia | Feb 28, 2024 | .Asia Community News, .Asia News, Announcements and Updates...



On Feb 26, 2024 at the DotAsia [Extraordinary General Meeting \(EGM\)](#), held in conjunction with [APRICOT](#)

### Recent Content

[DotAsia AGM 2024, Virtual](#) April 30, 2024

[DotAsia Board Finance Committee Meeting Minutes](#) March 14, 2024  
March 14, 2024

[DotAsia Members Adopt New Articles of Association](#) February 28, 2024

[DotAsia Articles of Association](#) February 28, 2024

[DotAsia EGM 2024, Bangkok](#) February 26, 2024

[DotAsia Extraordinary General Meeting \(EGM\) Minutes](#) February 24 & 25, 2024

## DotAsia Board Elections 2024

Oct 18, 2023

- [DotAsia Board Elections 2024 Results](#)
- [DotAsia Board Elections 2024 Nomination Results](#)
- [Notice of DotAsia Board Elections 2024 FINAL \(clean version\)](#)
- [DotAsia Board Elections Procedures FINAL \(clean version\)](#)
- [DotAsia Election Code of Conduct](#)

### Drafts:

- [DotAsia Board Elections Procedures FINAL DRAFT-B \(clean version\)](#)
- [DotAsia Board Elections Procedures FINAL DRAFT-B \(redline based on 2024 second draft with updates in anticipation of the Proposed Amendments to the DotAsia Articles of Association rejected\)](#)
- [DotAsia Board Elections Procedures FINAL DRAFT-A \(clean version\)](#)
- [DotAsia Board Elections Procedures FINAL DRAFT-A \(redline based on 2024 second draft\)](#)
- [DotAsia Board Elections Procedures SECOND DRAFT-B \(clean version\)](#)
- [DotAsia Board Elections Procedures SECOND DRAFT-B \(redline based on 2024 first draft with updates in anticipation of the Proposed Amendments to the DotAsia Articles of Association rejected\)](#)
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- [DotAsia Board Elections Procedures SECOND DRAFT-A \(redline based on 2024 first draft\)](#)
- [DotAsia Board Elections Procedures FIRST DRAFT \(clean version\)](#)
- [DotAsia Board Elections Procedures FIRST DRAFT \(redline based on 2023 final version\)](#)

- [Notice of DotAsia Board Elections 2024 FINAL DRAFT \(clean version\)](#)

## Board Elections Procedures & Results



[DotAsia Board By-Election 2023](#)

[DotAsia Board Elections 2023](#)

[DotAsia Board Elections 2022](#)

1 ▾

## AGM & Board Retreat Meetings



[DotAsia Annual General Meeting \(AGM\)  
Minutes May 23, 2024](#)

[Hybrid meeting 05.23.2024](#)



# DotAsia Strategic Plan Development

by Dot.Asia | Dec 28, 2023 | .Asia News, Announcements and Updates...



## Recent Content

[DotAsia EGM 2024, Bangkok](#) January 31, 2024

[DotAsia Strategic Plan Development](#) December 28, 2023

[DotAsia Board Community Committee Meeting Minutes](#) December 21, 2023  
December 21, 2023

[DotAsia Board Governance Committee Meeting Minutes](#) December 18, 2023  
December 18, 2023

[DotAsia Board Meeting Minutes](#) November 22, 2023  
November 22,






## DotAsia Strategic Plan

Strategic Plan 2024-2027 is a first formally adopted strategic plan document for the DotAsia Organisation. Since 2010, DotAsia's strategic directive for the year has been presented annually at the [DotAsia AGM](#), and then reported at the next AGM.

Throughout 2023, the DotAsia Board worked to build on the strategic directive presented at the DotAsia AGM 2023 to expand it into a full fledged Strategic Plan, encompassing different areas of work at DotAsia.

A [Draft Strategic Plan](#) was published on the DotAsia website and circulated to members for comments. Between Sep 2023 and Feb 2024, the feedback and input was received by the Board through member engagement sessions online, as well as during the [EGM at APRICOT 2023](#). In April 2024, the DotAsia Strategic Plan 2024-2027 was adopted by the Board.

The Strategic Plan is organized based on the DotAsia Core Values and Core Competence Framework ([BCC-001](#)) and the 4 areas of DotAsia works providing an organization-wide view:

Core Competency:	Core Values:		
Positioning & Communications / Relationships & Networks / Pioneering Innovations	Asia at Heart	Economically Successful	Community Driven
	Internet Governance and Community Engagement		
	Facilitating & amplifying voices from ADAC, especially in		

## Organization Structure & Governance



Board of Directors

Advisory Council

Organizational Structure

## AGM & Board Retreat Meetings



DotAsia Annual General Meeting (AGM)  
Minutes May 23, 2024  
Hybrid meeting 05.23.2024



DotAsia AGM 2024, Virtual  
DotAsia Annual General Meeting, Virtual, 05.23.2024

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# IDN/EAI/UA @ IETF

- Regext (Registration Extensions)
  - IDN Variants Provisioning (Standardization)
  - RDAP (Registration Data Access Protocol) updates
- Mailmaint (Mail Maintenance)
  - Utilization of LGR (Label Generation Rules) for managing user name parts
  - i.e. Traditional Chinese / Simplified Chinese mapping (by MX policy)
- Privacy & Human Rights considerations in protocol design & standardization







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Organizations

AP Retreats/  
Meetings

AP Events

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THE COMMUNITY OF ASIA PACIFIC INTERNET ORGANIZATIONS



### AP\* Retreat

(In Conjunction with APNIC 58)

**Meeting Date:** 09:00 AM - 16:30 PM, 03 September 2024 (*Wellington Time*)

**Venue:** Room Mokopuna 1B(Level 1), Takina Convention Centre, Wellington, New Zealand

**Co-Chairs:** Maureen Hilyard (*Cook Islands Internet Action Group*) and Joyce Chen(*APNIC*)

[Registration](#)   [Registration List](#)

### Agenda and Schedule

Time (NZ Local Time)	Agenda Items	Presenters
08:30 - 09:00	Registration	
09:00 - 09:20	Karakia by InternetNZ, Welcome & Introduction to the day's agenda	InternetNZ, Maureen Hilyard, Joyce Chen, Professor Kanchana Kanchanasut
09:20 - 09:30	Roll Call	
09:30 - 09:40	Internet NZ Update	Vivien Maidaborn



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to Internet Development in Asia



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Thank You! | [info@dot.asia](mailto:info@dot.asia)



# www.asia

**Asian** #GenerAsian