

ASIA-PACIFIC INFORMATION SUPERHIGHWAY (AP-IS)

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ICT and Disaster Risk Reduction Division
ESCAP

IMPROVING REGIONAL BROADBAND CONNECTIVITY THROUGH THE
ASIA-PACIFIC INFORMATION SUPERHIGHWAY

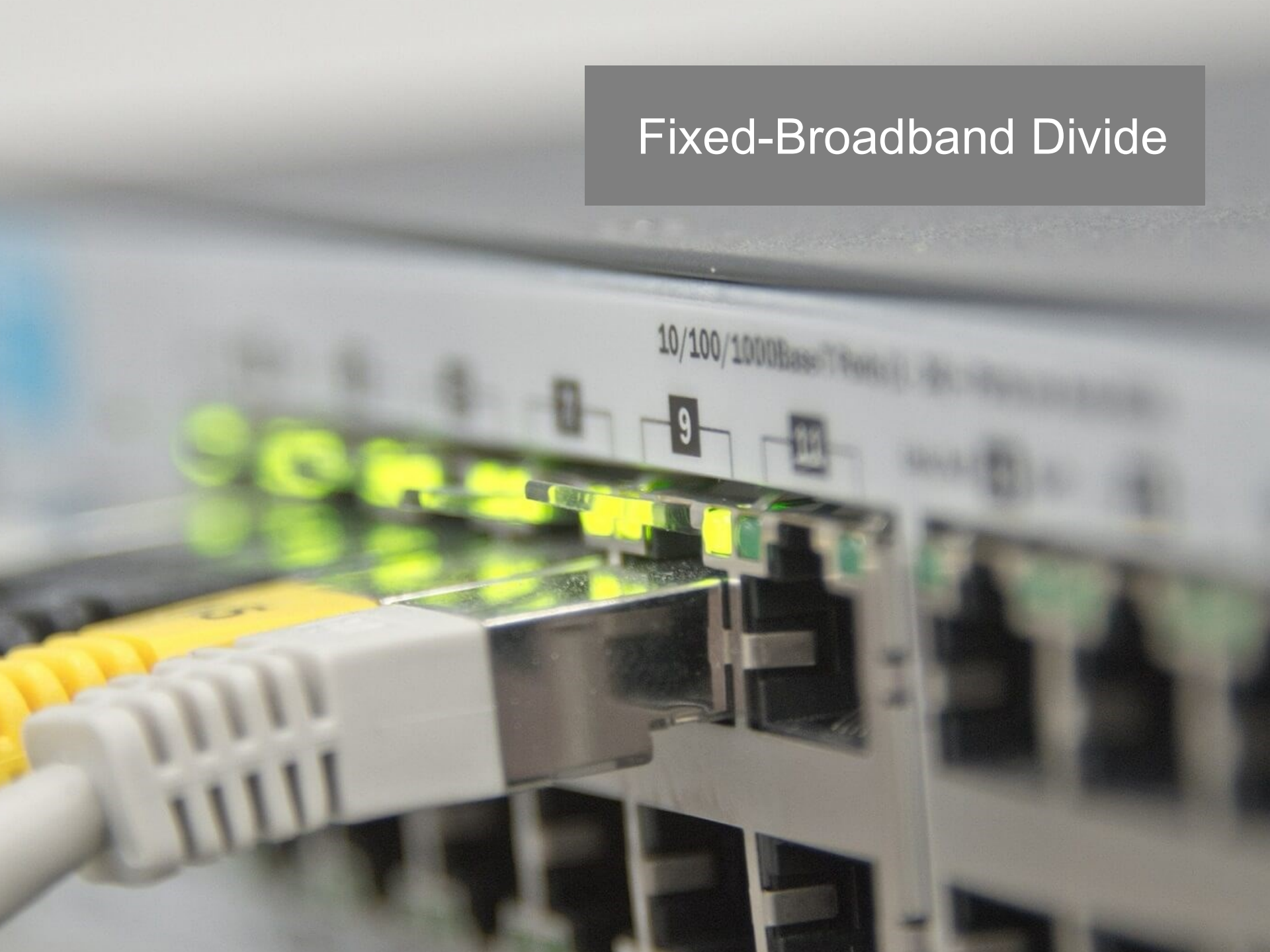


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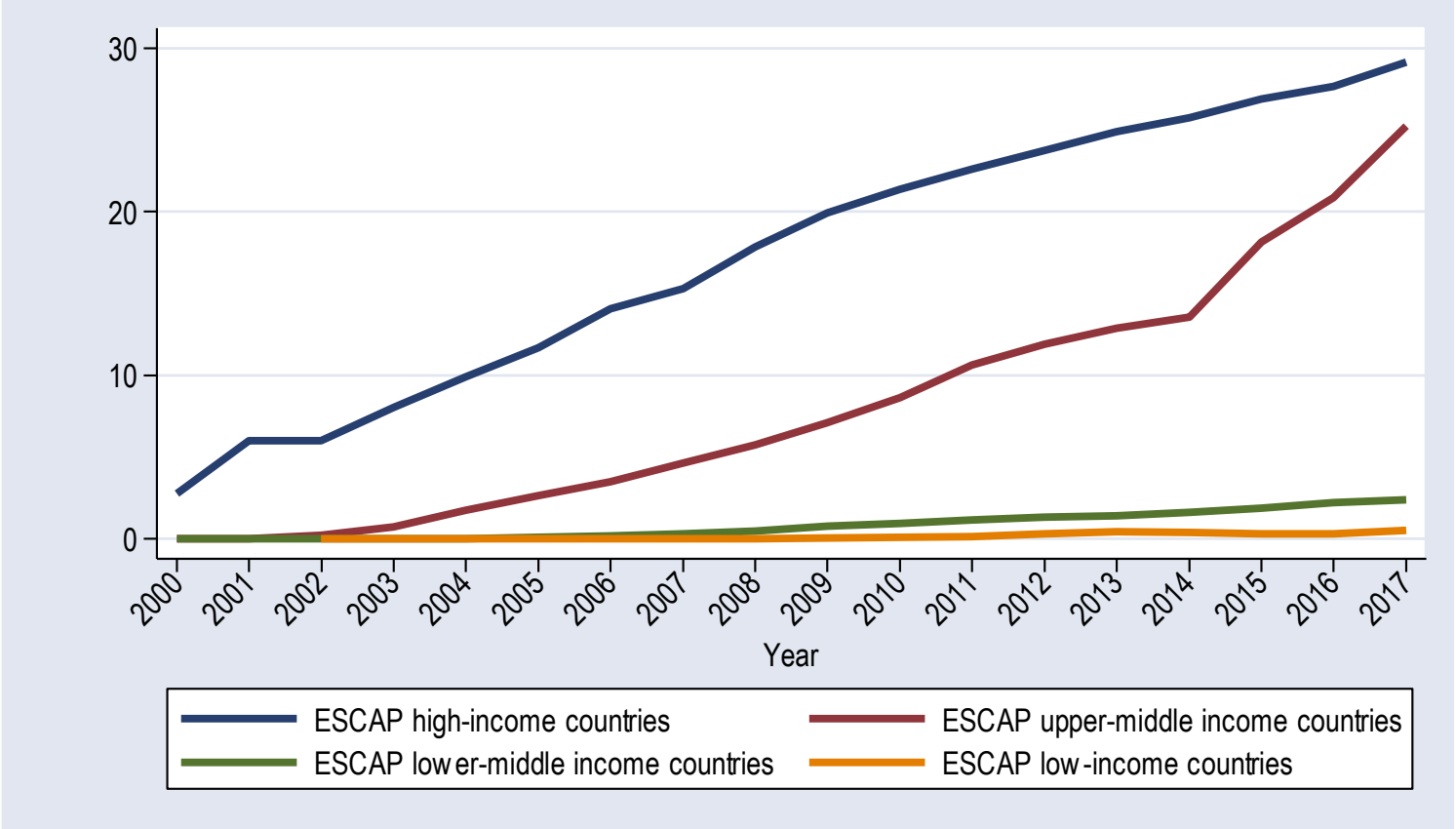


Fixed-Broadband Divide



A challenge for Asia-Pacific progress on SDG

Fixed-broadband digital divide widening for ESCAP countries (by income)



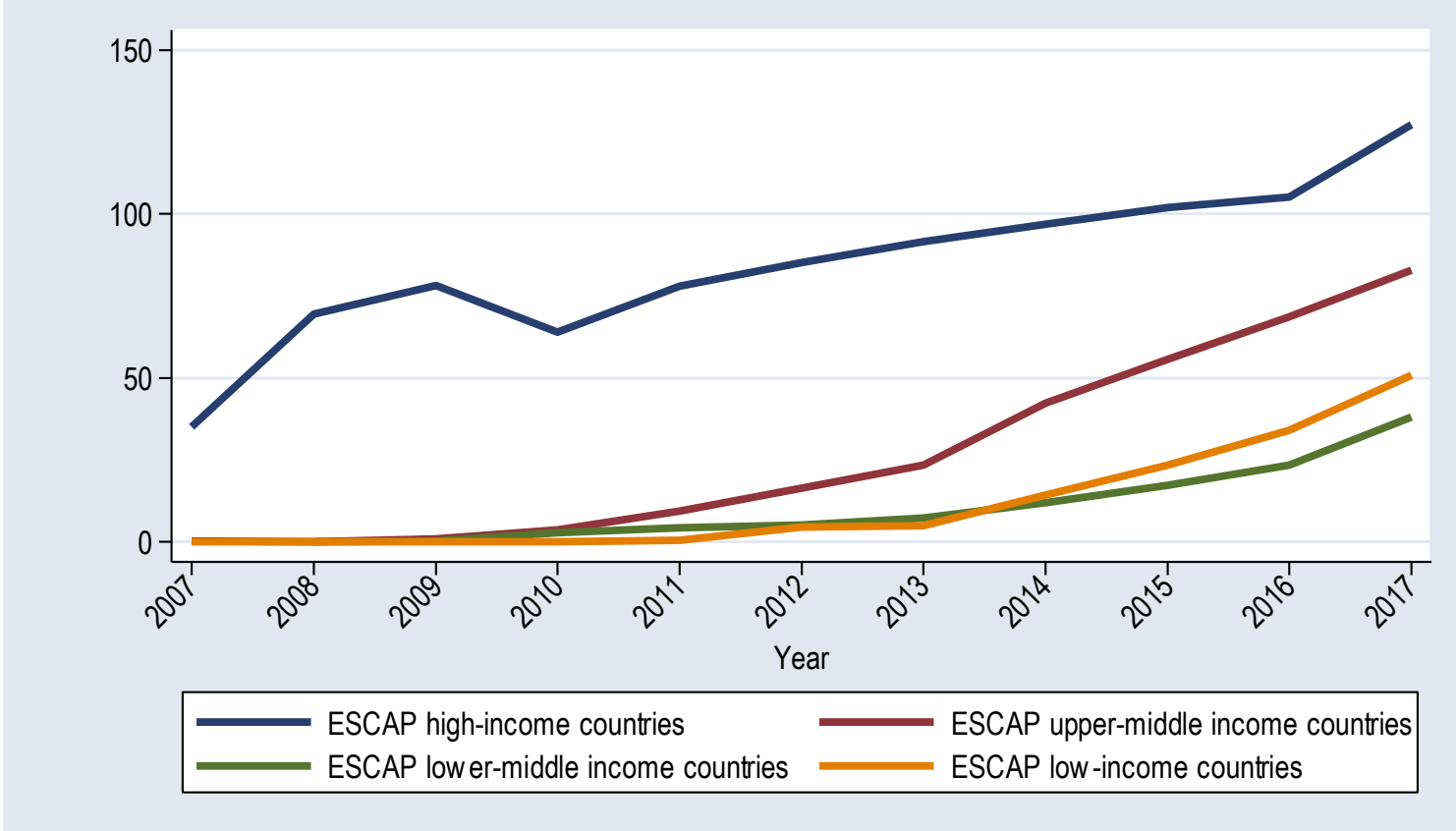
Source: Produced by ESCAP based on data from ITU, World Telecommunication/ICT Indicators database 2018

IMPROVING REGIONAL BROADBAND CONNECTIVITY THROUGH THE
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A challenge for Asia-Pacific progress on SDG

Mobile-broadband digital divide widening for ESCAP countries (by income)

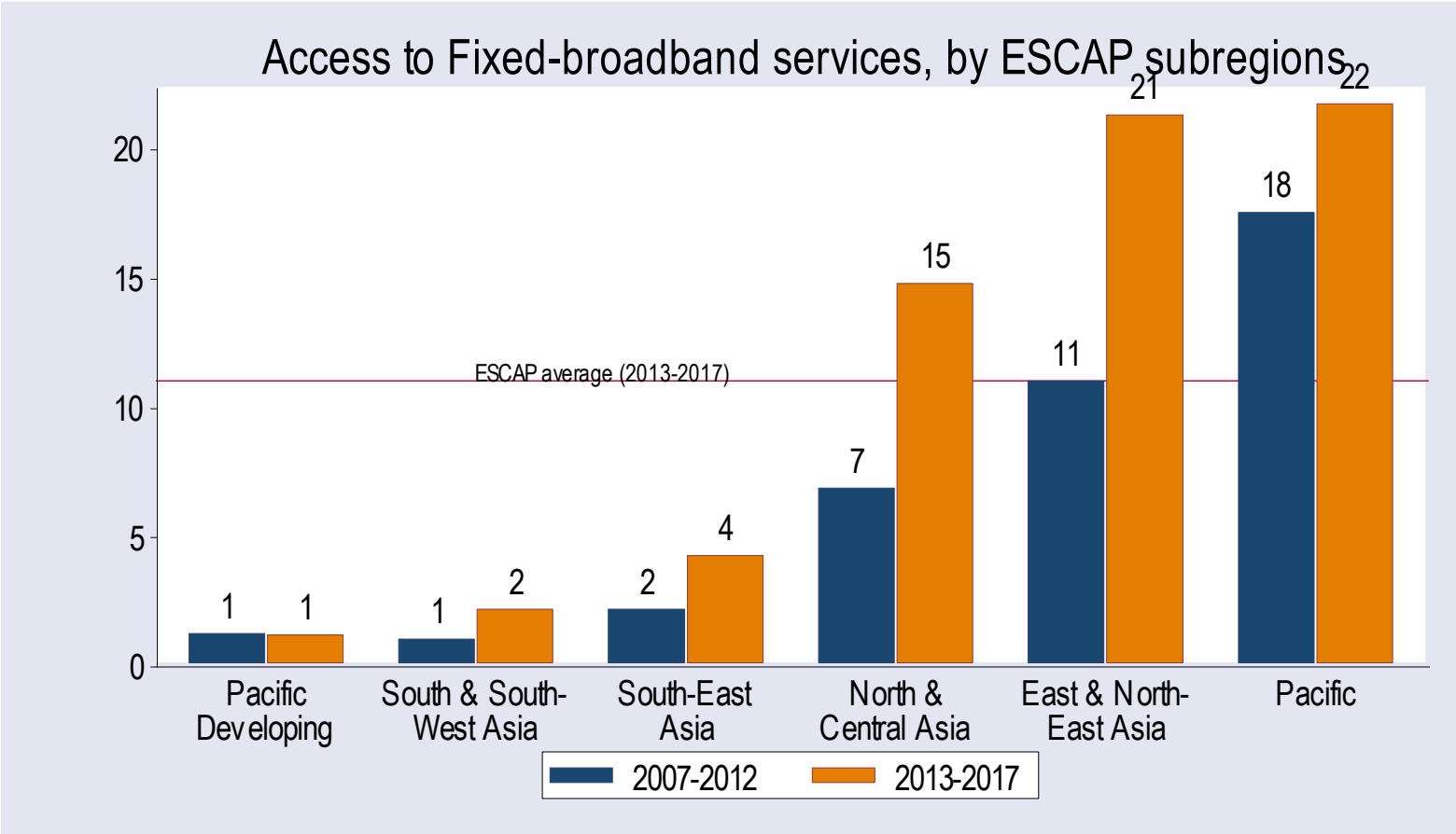


Source: Produced by ESCAP based on data from ITU, World Telecommunication/ICT Indicators database 2018

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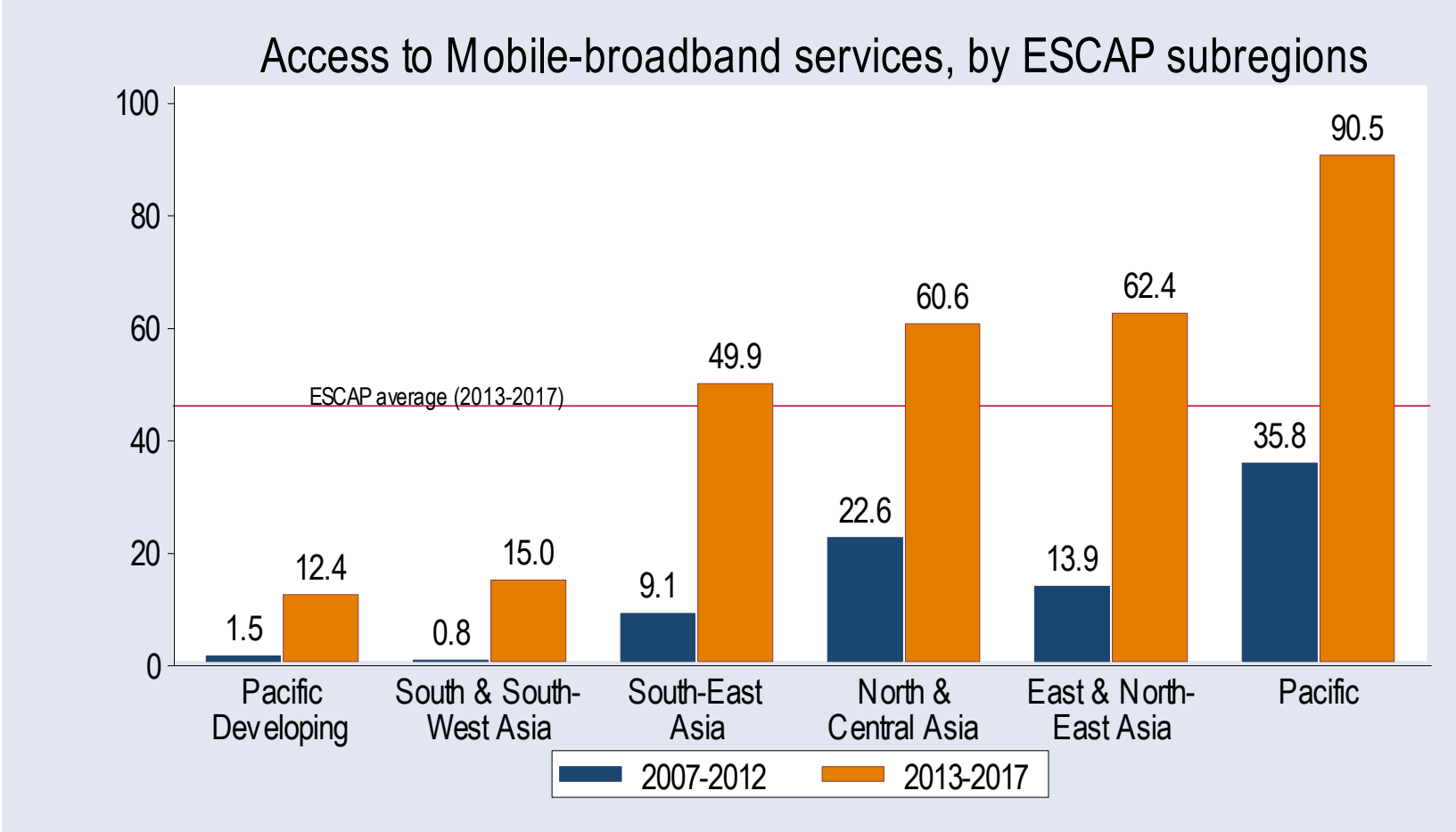
A challenge for Asia-Pacific progress on SDG



Source: Produced by ESCAP based on data from ITU, World Telecommunication/ICT Indicators database 2018



A challenge for Asia-Pacific progress on SDG



Source: Produced by ESCAP based on data from ITU, World Telecommunications/ICT Indicators database, December 2018 (accessed 25 Feb 2019)



Broadband Divide Drivers

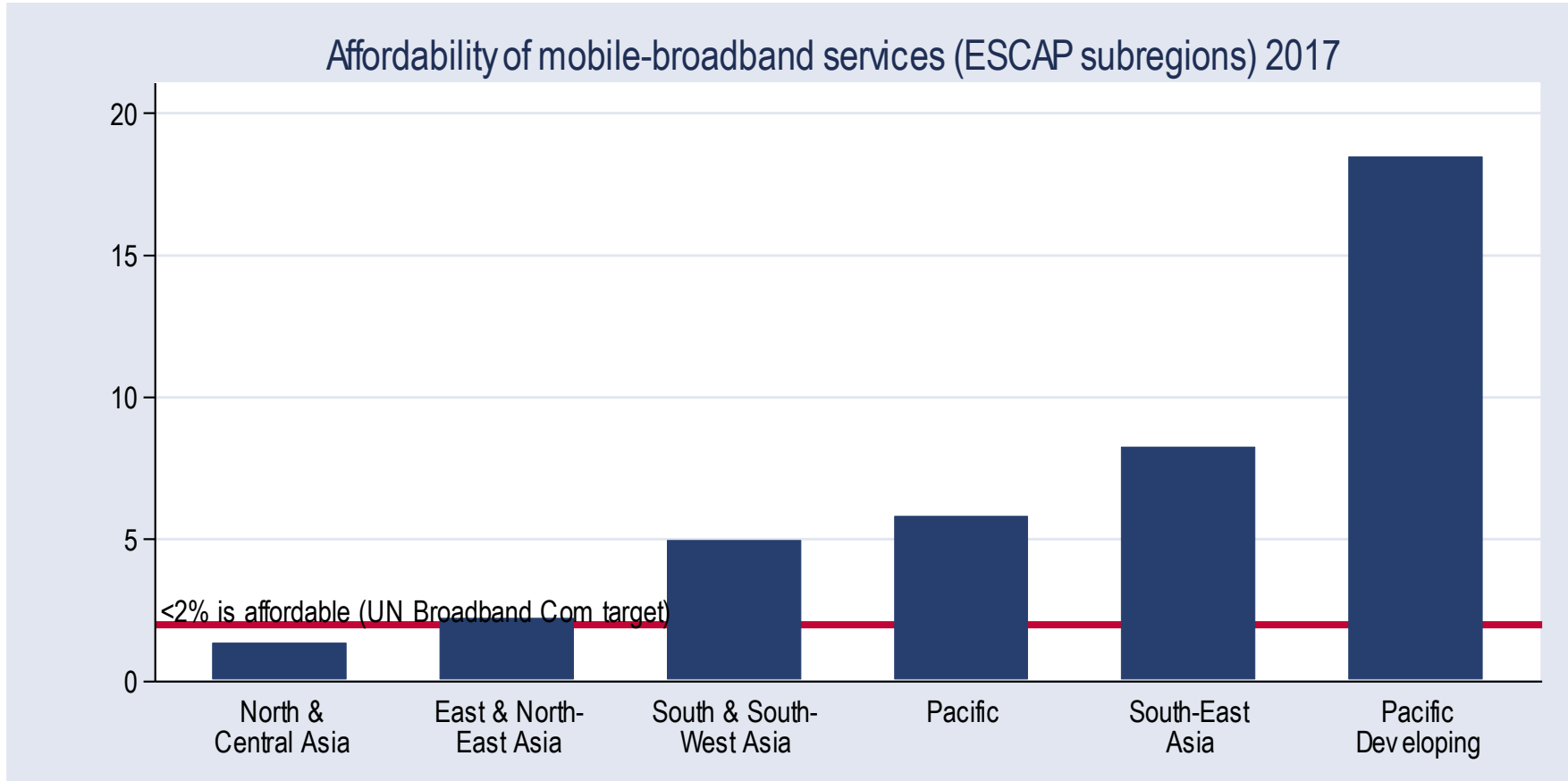
STATE OF ICT IN ASIA AND THE PACIFIC 2016

UNCOVERING THE WIDENING BROADBAND DIVIDE



Technical Paper by the Information and
Communications Technology and
Disaster Risk Reduction Division

A challenge for Asia-Pacific progress on SDG

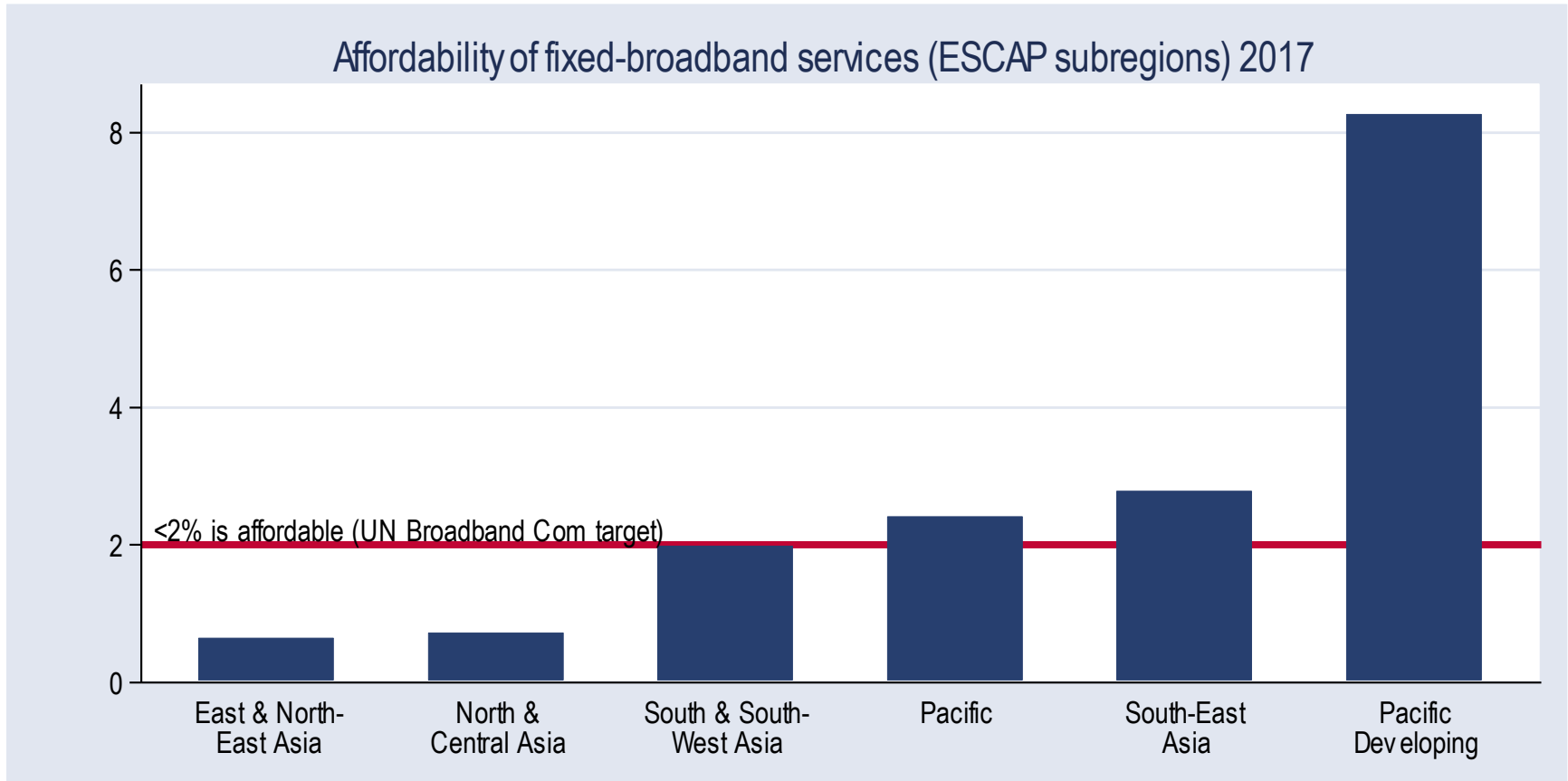


Source: Produced by ESCAP based on data from ITU, World Telecommunications/ICT Indicators database, December 2018 (accessed 25 Feb 2019)

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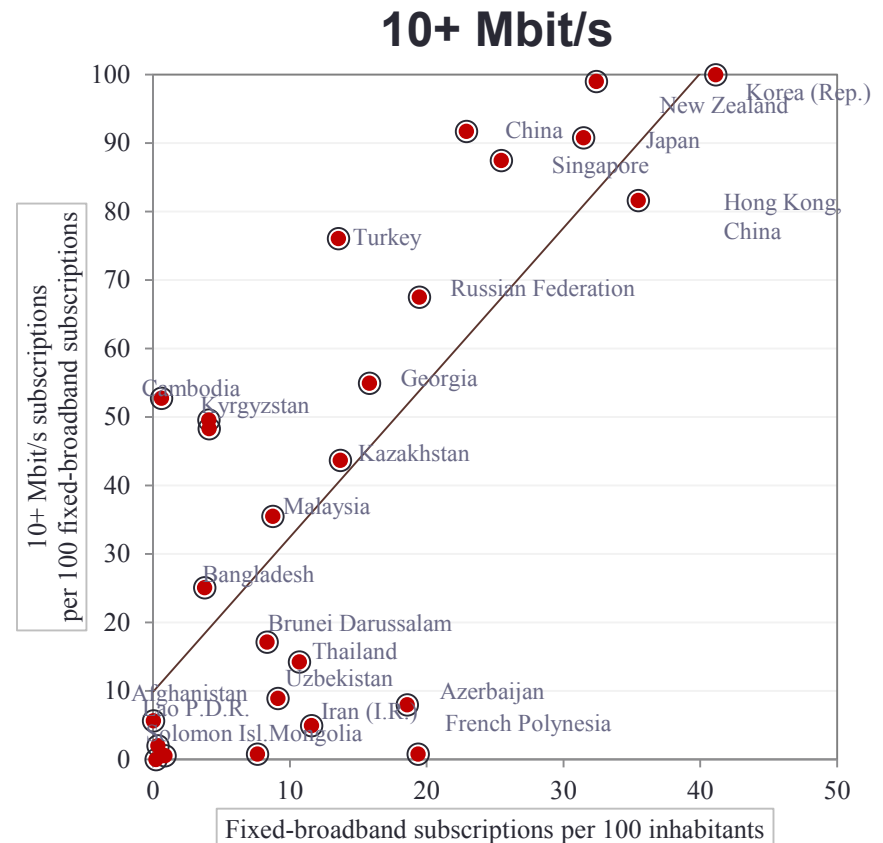
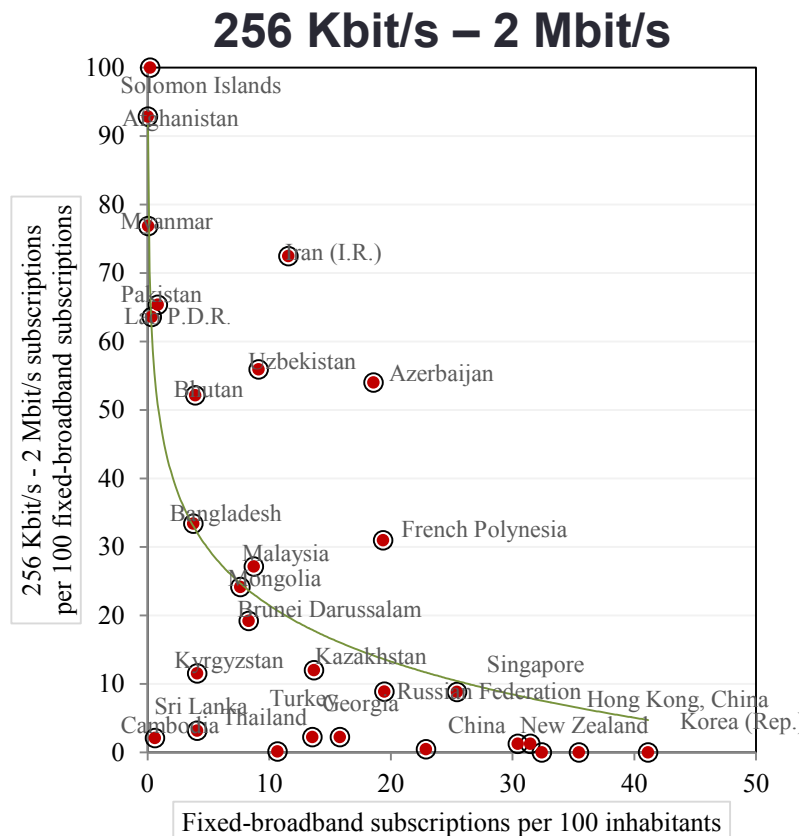


Source: Produced by ESCAP based on data from ITU, World Telecommunications/ICT Indicators database, December 2018 (accessed 25 Feb 2019)

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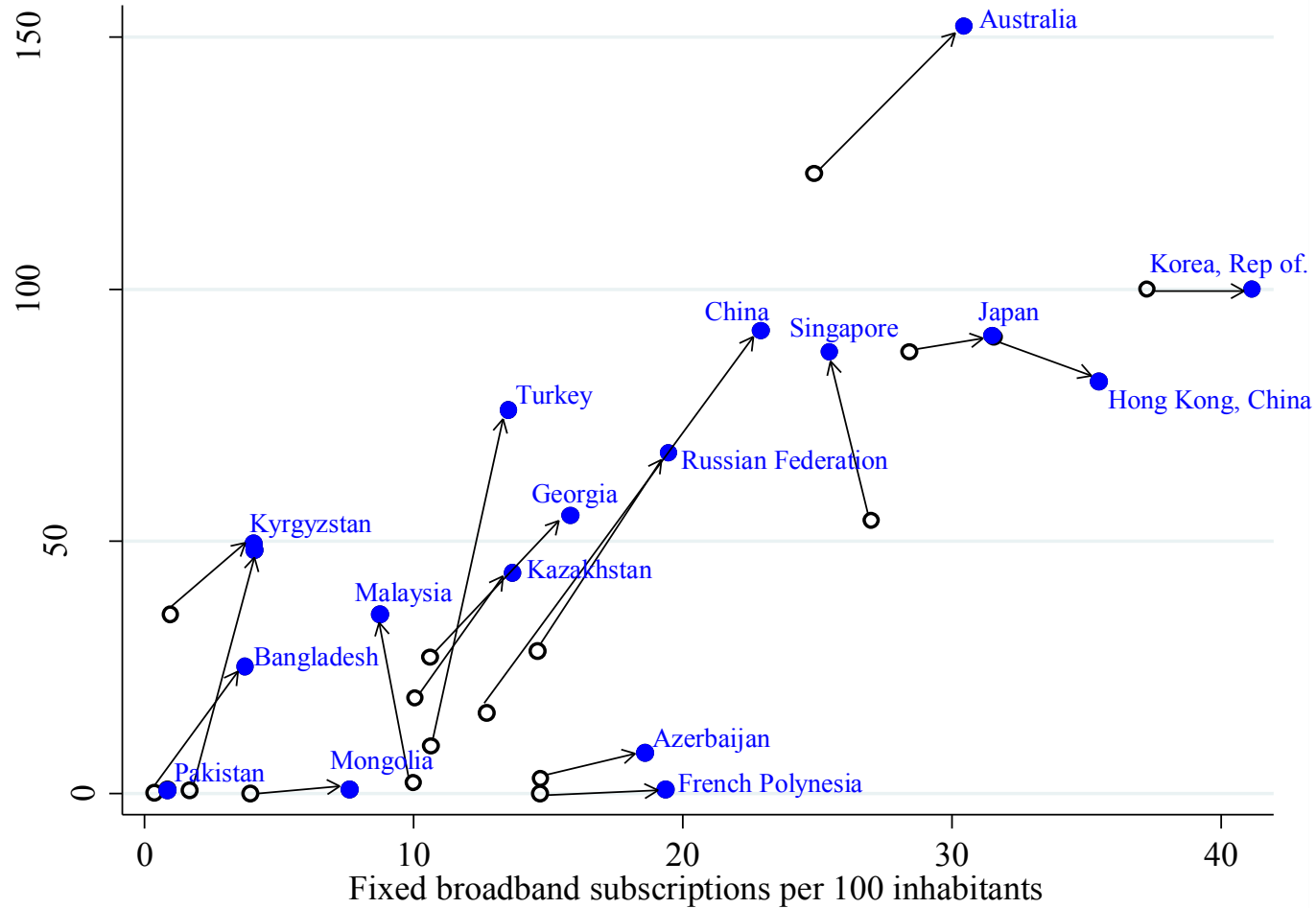
Network quality and fixed-broadband adoption



Source: Produced by ESCAP, based on data sourced from ITU World Telecommunications/ICT Indicators Database (accessed July 2017).



Progress made between 2012 and 2016



Source: Produced by ESCAP, based on data sourced from ITU World Telecommunications/ICT Indicators Database (accessed July 2017).

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ASIA-PACIFIC INFORMATION SUPERHIGHWAY



Asia-Pacific Information Superhighway

ASIA-PACIFIC
INFORMATION
SUPERHIGHWAY

亚太信息高速公路

АЗИАТСКО-
ТИХООКЕАНСКАЯ
ИНФОРМАЦИОННАЯ
СУПЕРМАГИСТРАЛЬ

L'AUTOROUTE
ASIE-PACIFIQUE
DE L'INFORMATION

INFO & PUBLICATIONS ON
WWW.UNESCAP.ORG/API

The **Asia-Pacific Information Superhighway** initiative aims to **increase the availability and affordability of broadband Internet** across Asia and the Pacific, by strengthening the underlying Internet infrastructure in the region.

- Promote **terrestrial and submarine fibre-optic connectivity**
- **Provide a regional intergovernmental platform** focusing on the missing fibre-optic links between ESCAP countries
- ESCAP resolution 73/6 = mandate

IMPROVING REGIONAL BROADBAND CONNECTIVITY THROUGH THE
ASIA-PACIFIC INFORMATION SUPERHIGHWAY



ASIA-PACIFIC INFORMATION SUPERHIGHWAY (AP-IS)

ASIA-PACIFIC
INFORMATION
SUPERHIGHWAY

亚太信息高速公路

АЗИАТСКО-
ТИХООКЕАНСКАЯ
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ASIE-PACIFIQUE
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AP-IS PILLAR 1

Connectivity



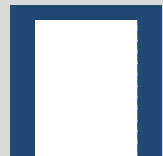
AP-IS PILLAR 2

Internet Traffic & Network Mgmt.



AP-IS PILLAR 3

E-Resilience



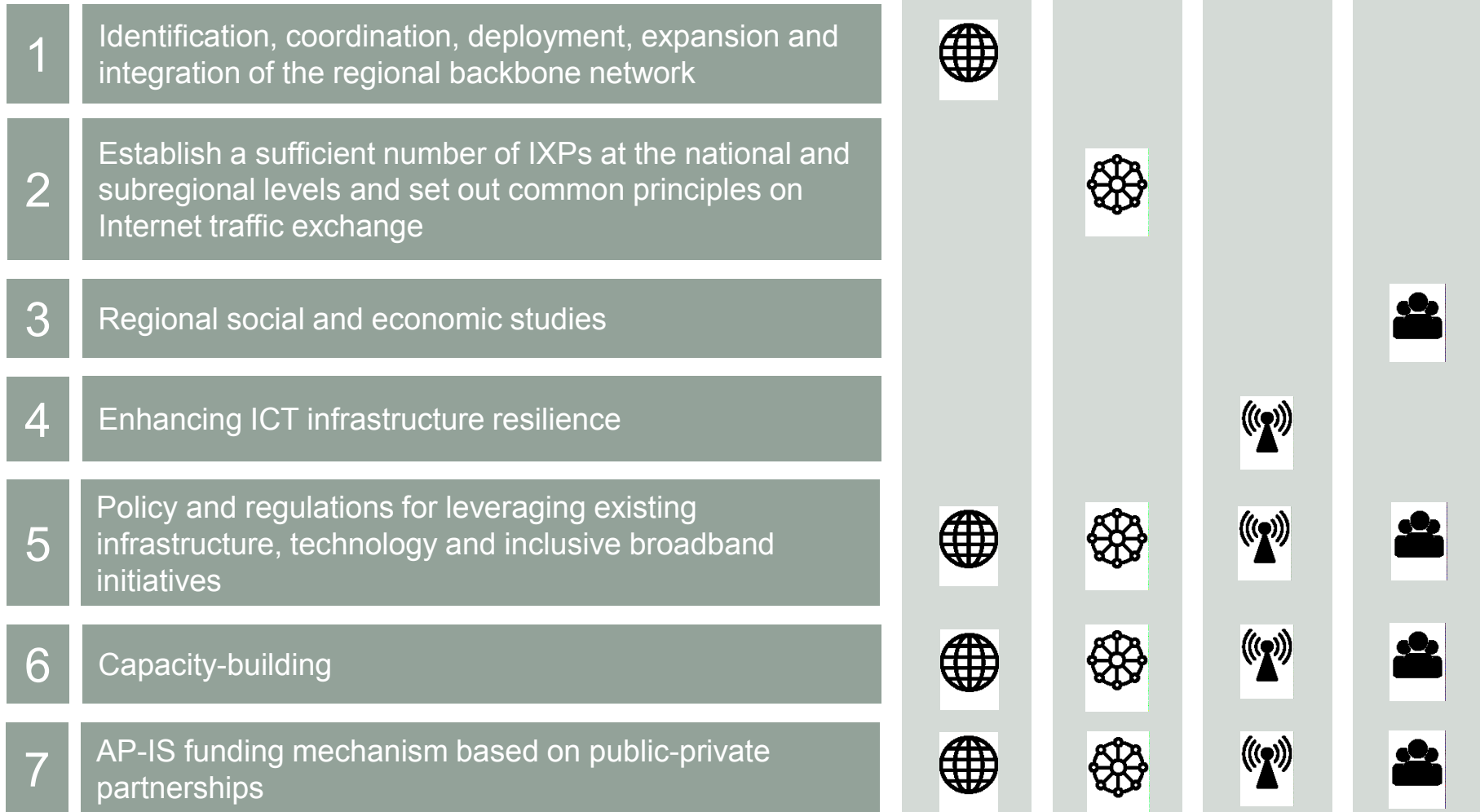
AP-IS PILLAR 4

Broadband for All



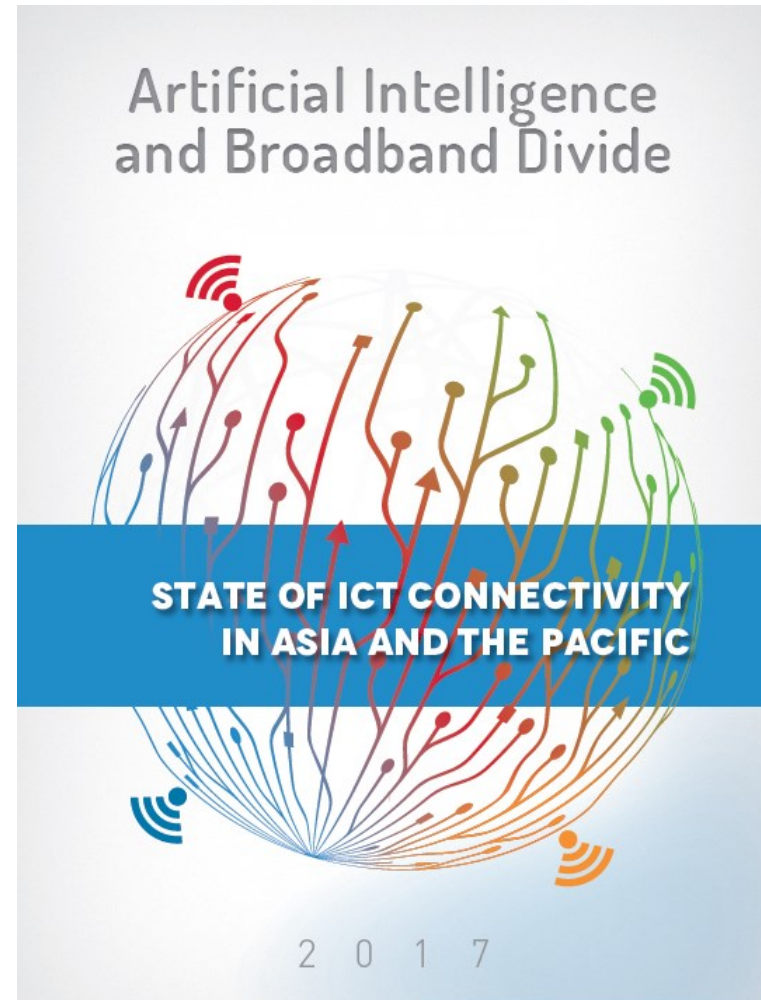
AP-IS Initiatives

Strategic Initiatives 2019-2022



ESCAP's analytical work on ICT:

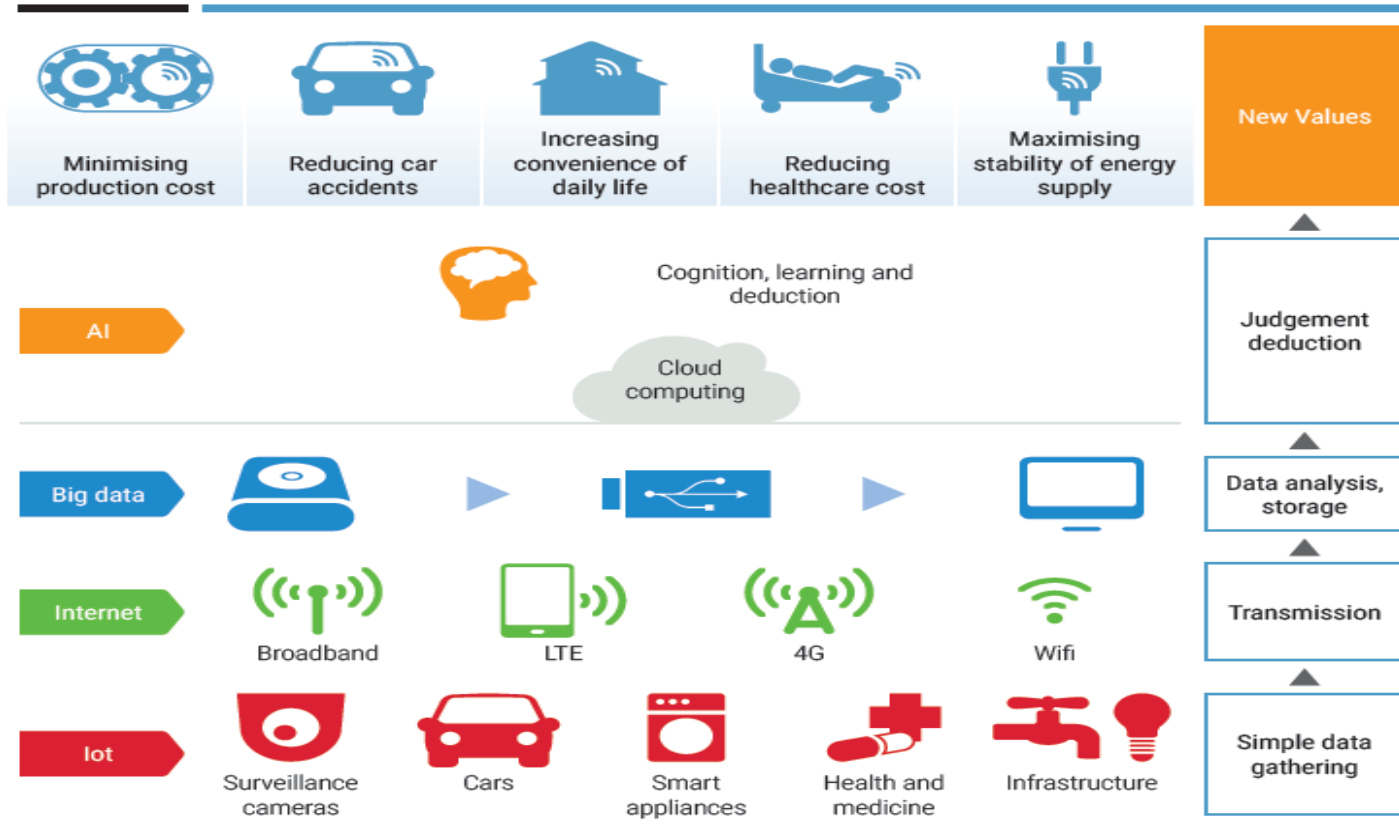
frontier technologies,
financing mechanism,
broadband infrastructure,
co-deployment,
international gateways,
university education
among others



IMPROVING REGIONAL BROADBAND CONNECTIVITY THROUGH THE
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Artificial Intelligence (AI) Landscape

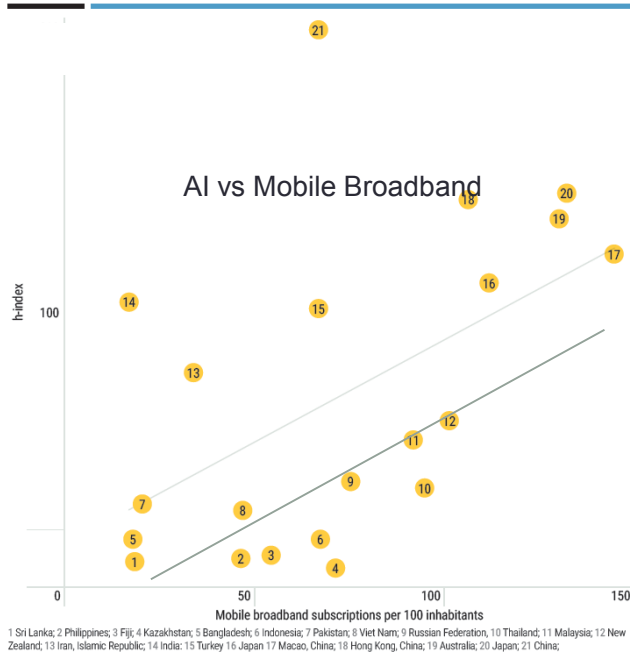


Source: Korean Ministry of Science, ICT and Future Planning, "Mid- to Long-Term Master Plan in Preparation for the Intelligent Information Society: Managing the Fourth Industrial Revolution", undated. Available from <http://www.msip.go.kr/dynamic/file/afieldfile/msse56/1352869/2017/07/20/Master%20Plan%20for%20the%20intelligent%20information%20society.pdf>

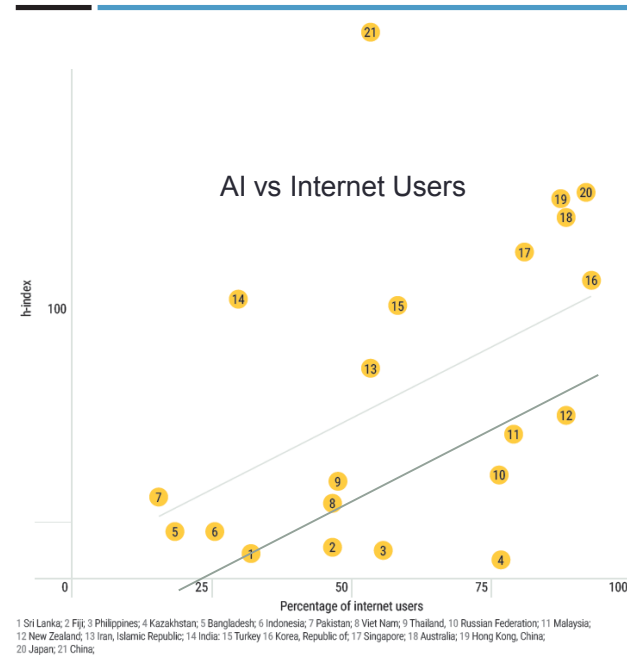


Artificial Intelligence (AI) and Connectivity

The relationship between h-index in AI research and mobile-broadband subscriptions per 100 inhabitants in the Asia-Pacific region, 2016



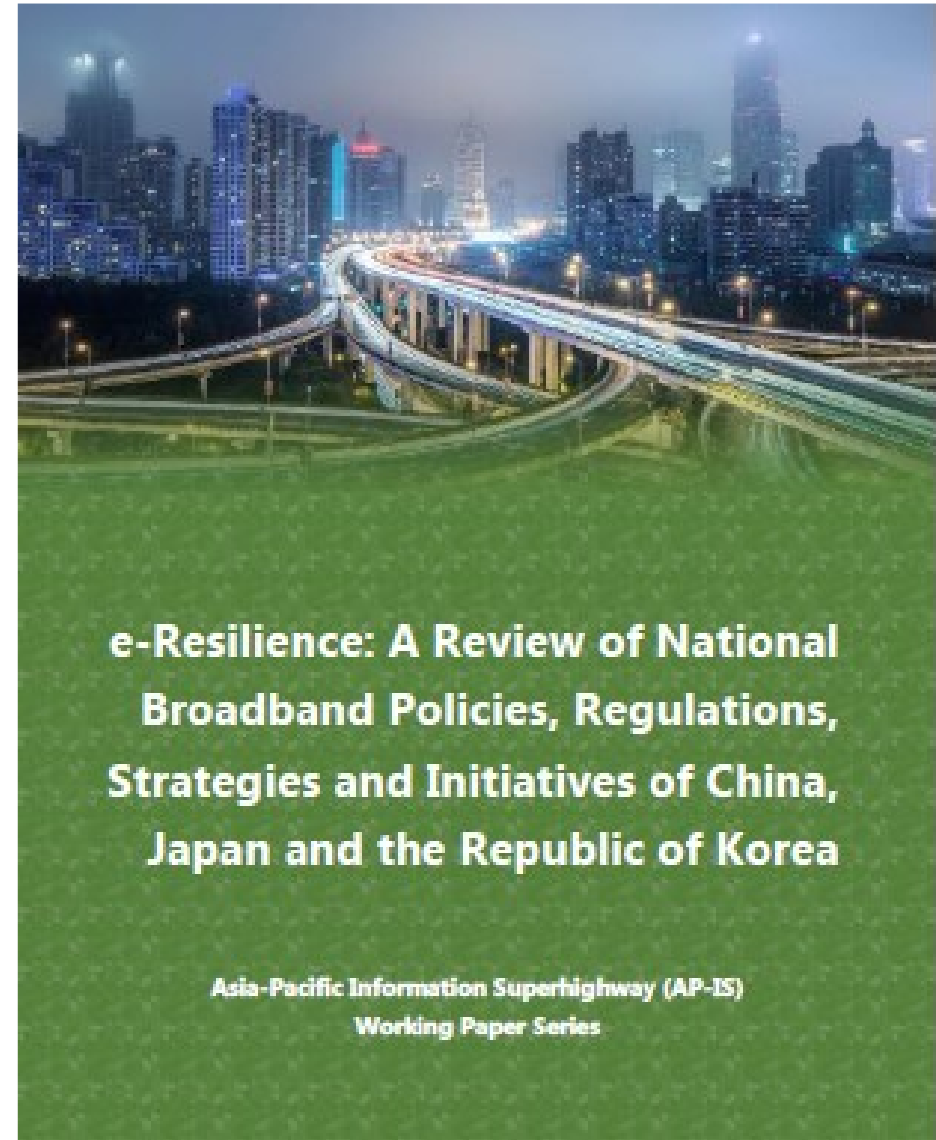
The relationship between the h-index in AI research and the percentage of Internet users in the Asia-Pacific region, 2016



Positive correlation between AI and broadband connectivity



Broadband ecosystem in China, Japan and Republic of Korea





**Enhancing Cybersecurity
for Industry 4.0
in Asia and the Pacific**

**Asia-Pacific Information Superhighway (AP-IS)
Working Paper Series**



AI-enabled Cyberattack and Cybersecurity in Asia and the Pacific

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2nd AP-IS Steering Committee, 27-28 August, in Bangkok, Thailand

- Back to back with the second session of the Committee on ICT, Science, Technology and Innovation (CICTSTI), 29-31 August 2018
- Opened by the Thai Minister of Digital Economy and Society, Dr. Pichet Durongkaveroj



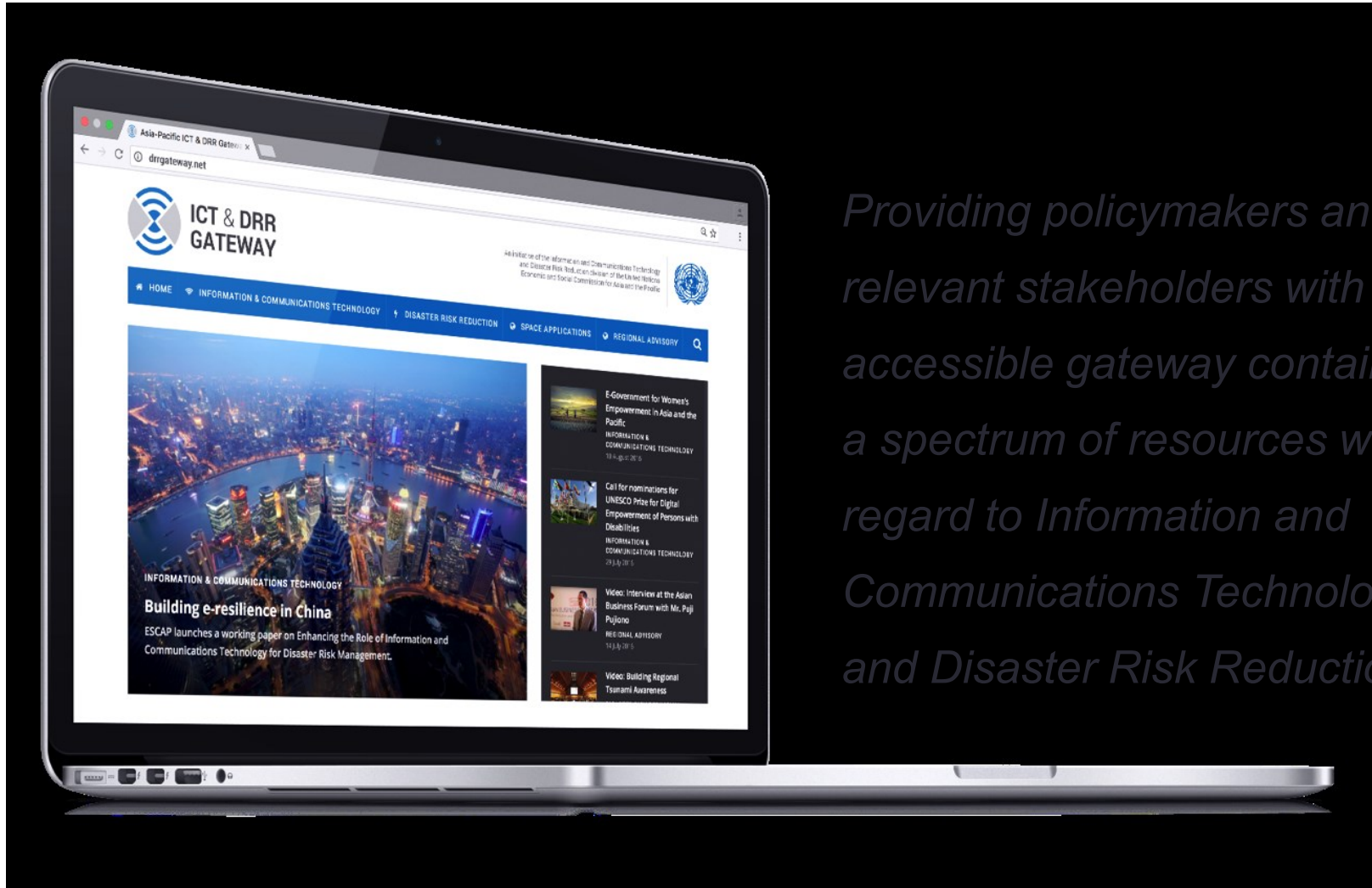
2nd Session of CICTSTI, 29-31 August, in Bangkok, Thailand



- Endorsed the updates to the AP-IS Master Plan and Regional Cooperation Framework Document
- Implementation takes place in **each subregion, around subregional priorities**



Asia-Pacific ICT & DRR Gateway



Providing policymakers and relevant stakeholders with an accessible gateway containing a spectrum of resources with regard to Information and Communications Technology and Disaster Risk Reduction

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Navigate to the ICT & DRR Gateway



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www.drrgateway.net





Thank you!

Email: escap-ids@un.org

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