



# Рабочие документы и публикации ЭСКАТО (2021)

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INFORMATION AND COMMUNICATIONS TECHNOLOGY  
AND DISASTER RISK REDUCTION DIVISION

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## Infrastructure Corridor Development Series Part I: In-Depth Analysis of Three Promising Infrastructure Corridors

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Vadim Kaptur  
Aida Karazhanova

## Infrastructure Corridor Development Series: Part II: Toolkit for Determining the Most Promising Scenario for Infrastructure Corridor Development

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## Infrastructure Corridor Development Series: Part III: Calculation Results for Determining the Most Promising Scenario for Infrastructure Corridor Development

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Vadim Kaptur  
Aida Karazhanova

ASIA-PACIFIC INFORMATION SUPERHIGHWAY  
WORKING PAPER SERIES JUNE 2021








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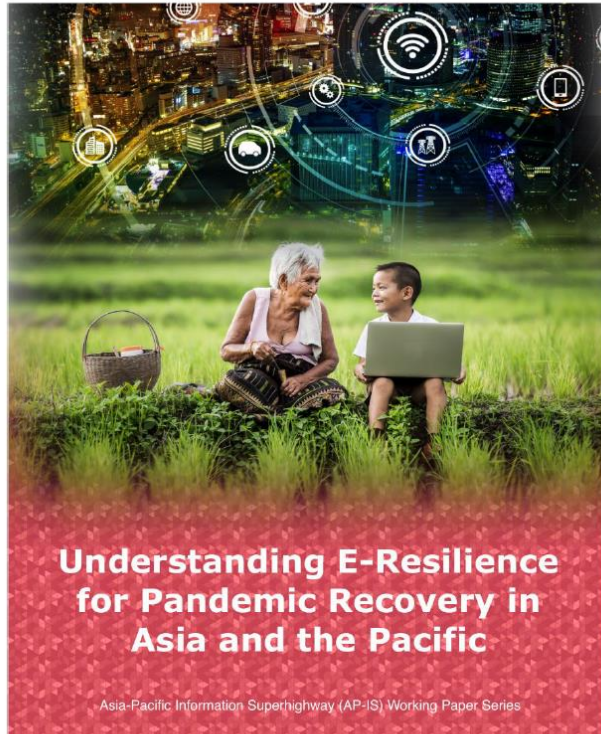


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## E-RESILIENCE READINESS OF ICT INFRASTRUCTURE

### Overview

The COVID-19 pandemic has accelerated the need for digital connectivity and transformation to mitigate the impact of economic slowdown, sustain well-being, and speed up e-resilience readiness, and build back better. Social distancing has generated higher demand for fast and reliable broadband connectivity to support the growing information flows. Since March 2020, data traffic has increased all over the world and surged the demand for broadband Internet connection to overcome economic lockdowns, while challenging the adaptive capabilities of underlying Information and Communications Technology (ICT) infrastructure.

*"In the present crisis, connectivity needs to be prioritised as a foundation to ensure the continuation of critical services, enable digital literacy and promote social inclusion"<sup>1</sup>.*

The COVID-19 crisis has also placed a premium on digital platforms, applications, and skills such as online education, online medical services, digital financial services, including e-payments, and online shopping as the new normal.

While the future is increasingly more difficult to predict, we can reasonably determine that this trend is likely to last way beyond the pandemic.

<sup>1</sup> Report of the UN Secretary-General Roadmap for Digital Cooperation, June 2020. Available at: <https://www.un.org/en/content/digital-cooperation-roadmap>

In this connection, quality, stability and the resilience of ICT infrastructure and networks, the so-called "e-resilience", in Asia and the Pacific appears as a more critical agenda in the pandemic and recovery phase.

*As the third pillar of the Asia-Pacific Information Superhighway (AP-IS), e-resilience is defined as the ability of ICT systems to withstand and recover from and change in the face of an external shock.*

ESCAP (2020)<sup>2</sup> views e-resilience from two lenses: ICT for its own resilience and ICT for societal resilience, which are interdependent and especially critical in times of crisis. Therefore, assessing and monitoring e-resilience from both lenses on a regular basis can help governments' policy responses to present and future crises.

This Policy Brief provides a basic conceptual overview and recommendations of the policy responses on e-resilience in support of ICT infrastructure as a key component of crisis preparedness in the framework of the Asia-Pacific Information Superhighway (AP-IS).

### Building Back Better with E-Resilience

ESCAP proposes five essential steps and guiding principles to enhance e-resilience while delivering the right information, to the right people, at the right time

<sup>2</sup> United Nations, Economic and Social Commission for Asia and the Pacific, "Understanding E-Resilience for Pandemic Recovery in Asia and the Pacific", working paper, 23 November 2020.

## ASSESSING E-RESILIENCE

in Kazakhstan, Kyrgyzstan and Mongolia

Aida Karazhanova  
Elena Dyakonova



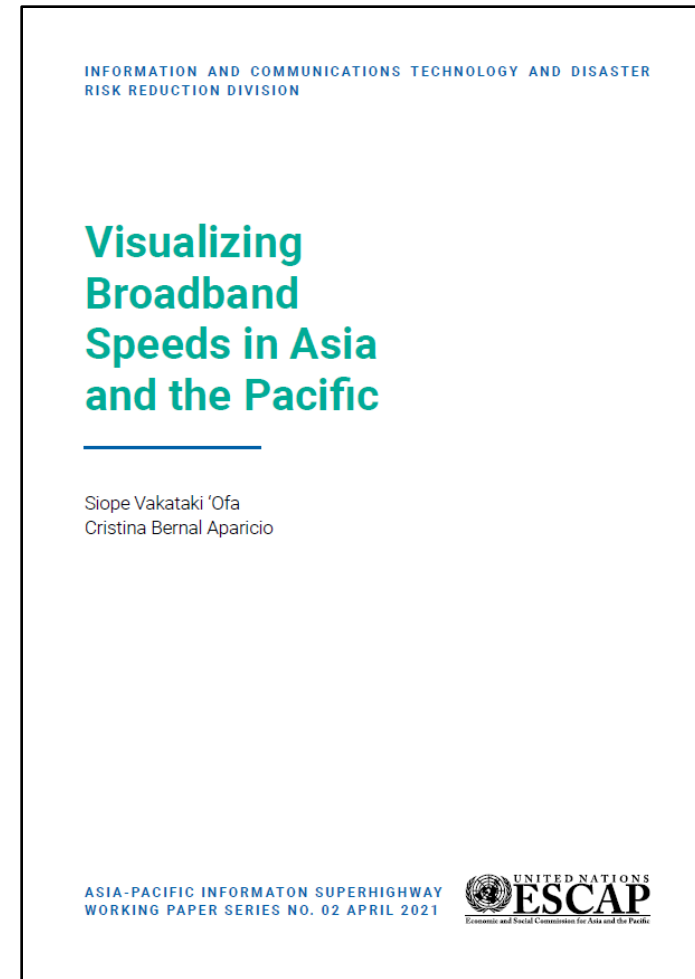
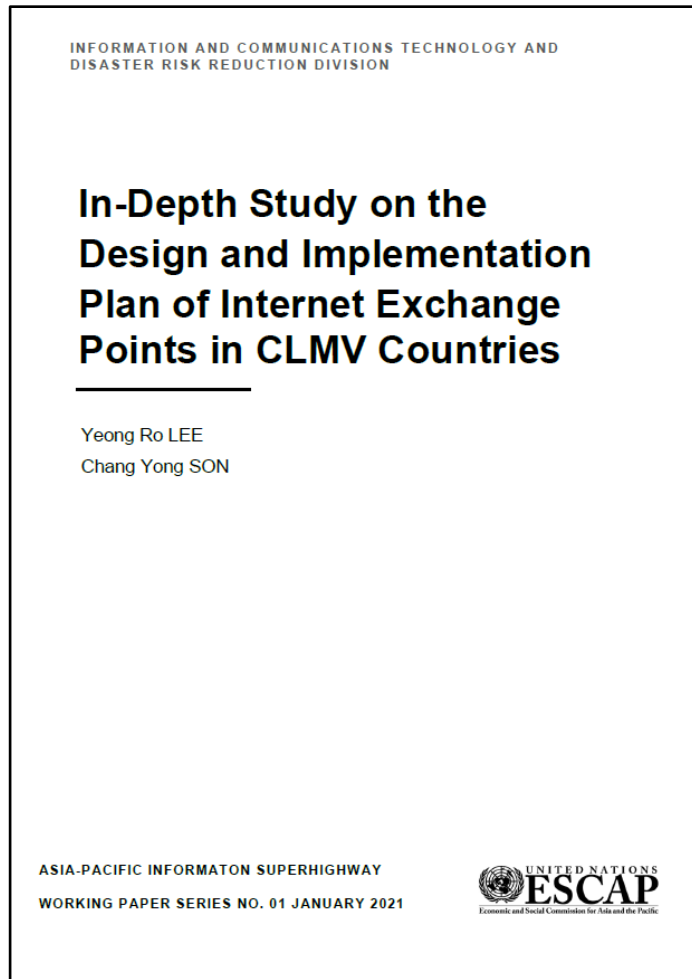
## PROCEDURE MANUAL: Enabling E-resilience Monitoring Dashboard Frameworks






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