





From "Tech for Growth" to "Tech for Good"

Shaping the Next Phase of Southeast Asia's Growth through Sustainable Digital Development



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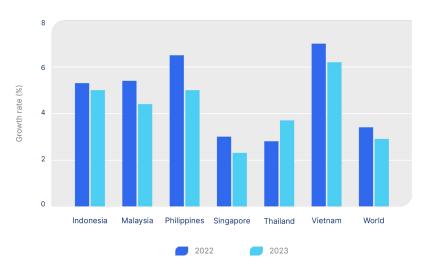
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The digital economy has the potential to drive Southeast Asia's development

The economies of Southeast Asian countries are surpassing global growth rates.

The region's projected growth rate outpaces global growth



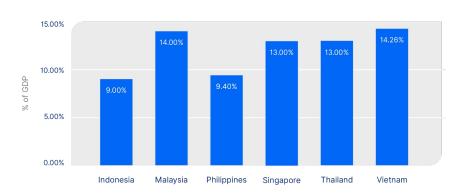
Source: Southeast Asian Economies: Out of the Storm, Clouds on the Horizon, Fulcrum. https://fulcrum.sg/southeast-asian-economies-out-of-the-storm-clouds-on-the-horizon/



The digital economy has the potential to drive Southeast Asia's development

The digital economy has emerged as a key contributor to the economic growth in the region over the past five years.

Percentage of GDP attributable to the Digital Economy (various years)



Note: Figures used are latest data available from various years: Indonesia (2021), Malaysia (2022), Philippines (2022), Singapore (2020), Thailand (2021) and Vietnam (2022).

Source: Various sources compiled by Tech for Good Institute, 2023



The digital economy is accelerating growth in Southeast Asia

SEA-6's digital economy is expected to reach a gross merchandise value (GMV) of **US\$330bn by 2025**, and **US\$1tn by 2030**.

This is because it benefits from several factors enabling its growth:

Factor 1

Mobile-first populations, leapfrogging of legacy technology

Factor 3

Integration of digital and non-digital economies through online-to-offline platforms

Factor 2

Continued digital transformation after the pandemic

Factor 4

Increasing digital startup activity



SEA-6 governments continue to prioritise digital transformation after the COVID-19 pandemic

Governments across SEA-6 shared six common priorities in order to achieve the broad objectives of digitalising MSMEs, key industry sectors and government:













Key ASEAN Initiatives for Digital Alignment and Integration

Digital Economy Pillar	ASEAN Initiative	
Comprehensive	Bandar Seri Begawan Roadmap	
Digital Infrastructure	ASEAN Agreement on Electronic Commerce	
E-Commerce	 ASEAN Agreement on Electronic Commerce RCEP (Chapter 12 covers three principles of e-commerce provisions, namely (1) data free flow, (2) prohibiting requirements for data localization, and (3) prohibiting requirements for source codes) Digital Economy Framework Agreement - in discussions ASEAN Framework on Personal Data Protection Digital Economy Framework Agreement - in discussions 	
Data Protection		
Cybersecurity	 ASEAN Cybersecurity Cooperation Strategy Digital Economy Framework Agreement - in discussions 	
Entrepreneurship	ASEAN Framework for Promoting the Growth of Digital Startups	
Cross-border Data Flows	 ASEAN Data Management Framework and Model Contractual Clauses Digital Economy Framework Agreement - in discussions 	
Artificial Intelligence	ASEAN Guidelines on AI Ethics and Governance - in discussions	
	Note: List not exhaustive. Tech for Cood Institute (TECI) compilation	

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What is a Digital Economy Company?

DECs can be defined as

"companies either involved in economic activity as producers of digital contents, goods, and services or reliant on digitalisation to provide consumers with goods and services".

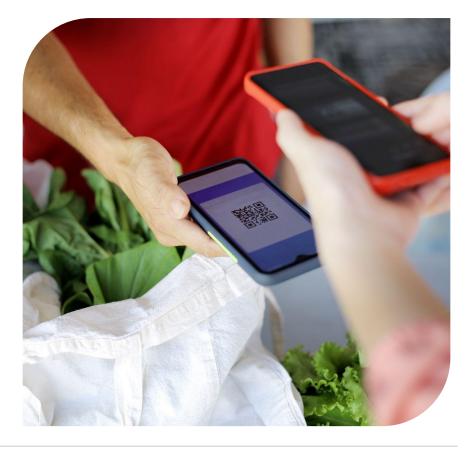
DECs heavily rely on digital input (technologies, services, data) for their economic activities, and can be categorized into **three tiers of economic activity:**





Potential of Digital Economy Companies and Technologies

- DECs are key drivers and shapers of the digital economy and digital society in SEA-6.
- They identify market opportunities among mobile-native, young, and ambitious populations, addressing local development needs for mutual benefits.
- Digital solutions provided by DECs tackle urbanization challenges, including traffic congestion, water and air quality, energy demand, and community well-being.





Current priorities of Digital Economy Companies in SEA-6

Many DECs are currently focusing on more immediate concerns, the top of which are:





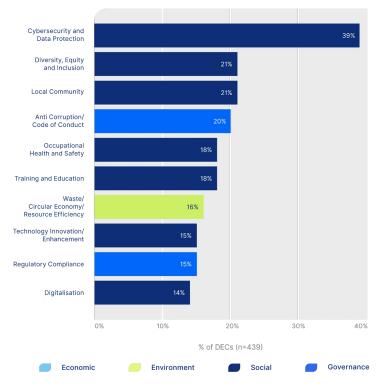




Current priorities of Digital Economy Companies in SEA-6

Despite the digital economy's significant carbon footprint and Southeast Asia's vulnerabilities to climate-related disasters, climate change or carbon was not identified as a high priority among the analysed DECs.

Top Issues of Focus amongst SEA-6 DECs



Source: Tech for Good Institute and NUS Centre for Governance and Sustainability, 2023

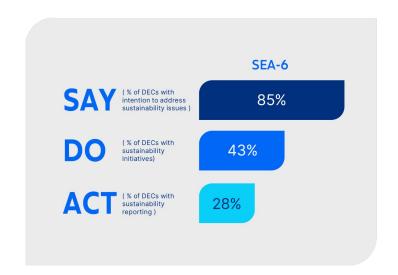


Significant opportunity to align intention with action for impact

The "Say-Do-Act" funnel highlights that many DECs have not fully recognized impact as an investment narrative.

Integration of environmental, social, and governance issues into business models and institutionalizing impact as organizational practice remain challenges for DECs.

Communicating impact through intentions, initiatives and reporting



Source: Tech for Good Institute and NUS Centre for Governance and Sustainability, 2023



How technology may support more than economic growth

Maximising Positive Impact TRANSFORMATIVE Solving previously intractable problems to realise sustainable, equitable and inclusive growth **SUPPORTIVE FACILITATIVE** Enabling efficiency for non-financial benefit Solving Optimising Problems Benefits RESPONSIBLE Doing no harm and being ESG responsible Mitigating Negative Impact

Elements of "Tech for Good"

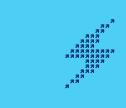


Different types of Impact with "Tech for Good"



Responsible Tech

Avoiding harmful outcomes with whatever is necessary



Facilitative Tech

Enhancing productivity and efficiency



Using data and predictive modelling to detect, mitigate, thwart or neutralise harms





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While existing priorities for digital transformation remain, they have broadened to enable sustainable development

	From	То	
	Digital Transformation of the Economy	Sustainable Development	
Confident Digital Society	Connectivity for equitable access	Affordable quality access	1
	Digital literacy for inclusive adoption	Meaningful and productive participation in the digital economy	
	Talent for the digital economy	Sustainable and adaptable livelihoods	
Technology, Business and Policy Innovation	Trust in the digital ecosystem	Governance of emerging technologies	
	Innovation and entrepreneurship	Impactful investment and innovation	
	Strengthening regional cooperation	A coordinated and responsive regulatory environment	



Cooperation, coordination and co-creation is vital to enable "Tech for Good" commitments in SEA-6

Citizens and consumers expect a commitment from the public, private, and civil sectors towards shared outcomes, innovative processes, collaborative perspectives, and a confident digital society. Specifically:

- Rethinking governance and regulation to focus on outcomes, ensuring that frameworks remain fit-for-purpose to the ongoing development of technology and business innovation.
- 2. Pursuing responsible innovation so that digital products and services may be developed with the interests of society and the environment in mind.
- 3. Fostering regional cooperation and partnerships.





Commitment 1:

Rethinking governance and regulation to focus on outcomes, to keep pace with technology and business innovation





Commitment 2:

Pursuing responsible innovation so that digital products and services may be developed with the interests of society and the environment by design





Commitment 3:

Fostering regional cooperation and partnerships





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