



Driving A Circular Economy Transition Through Digitalization in ASEAN and East Asia

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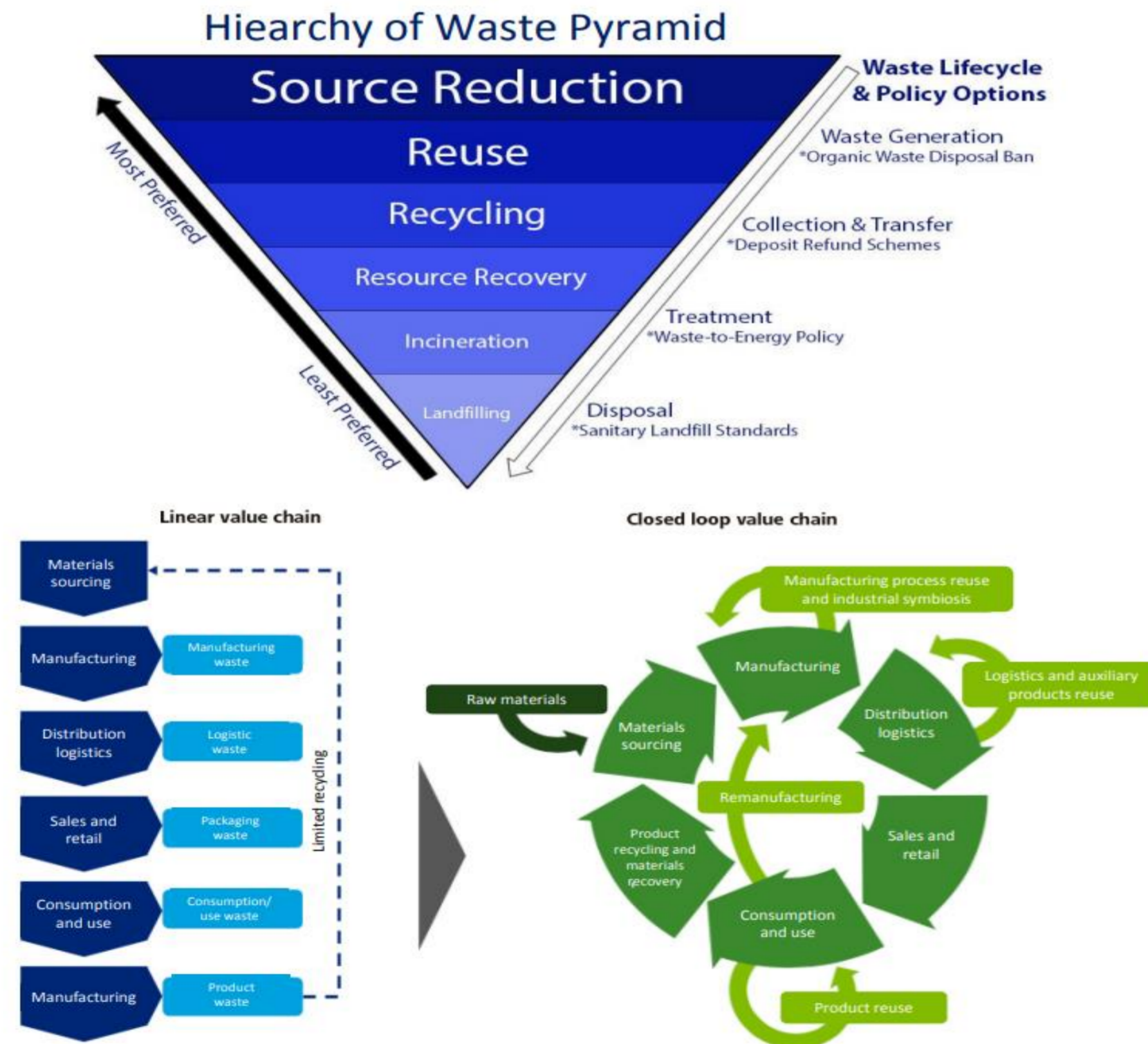
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Twin Transition: Key questions

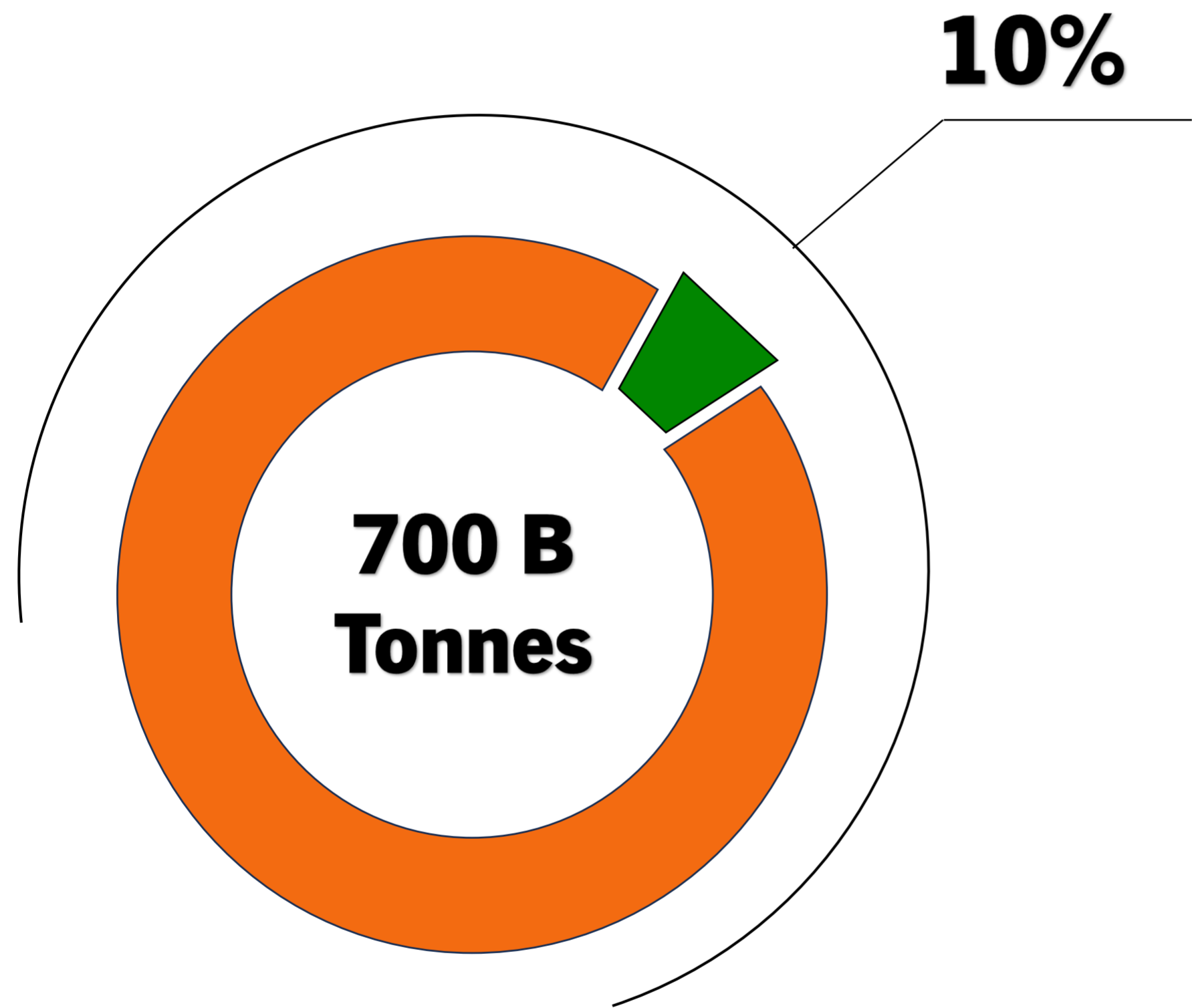
- 1** **Why** circular transition and digitalization matter?
- 2** **What** are the opportunities and challenges of circular economy and digital innovation in ASEAN and East Asia?
- 3** **How** to make circular transition and digitalization work?

Imperatives for circular economy

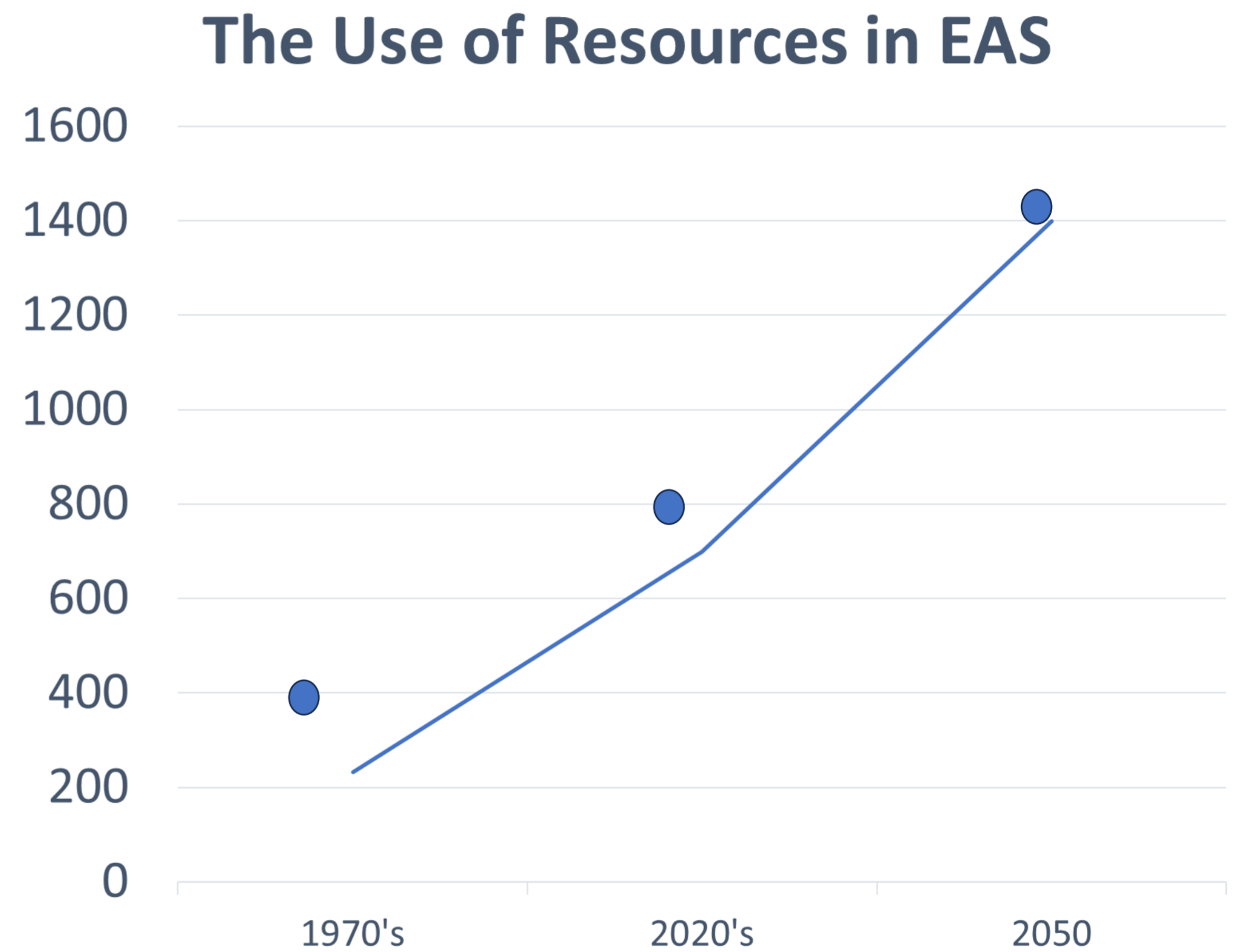
Basic Principles of Circular Economy – A Cycle of Resource Efficiency Improvements



- Circular Economy is a means to improving resource efficiency along supply chains both upstream and downstream by adopting regenerative business model that need innovation
- ERIA's research demonstrates a positive vision of a circular transition
- ERIA's CADP 3.0 recognized the importance of digitalization in navigating the post-pandemic era
- Regional initiatives acknowledge how circular economy is crucial for inclusive and resilient future

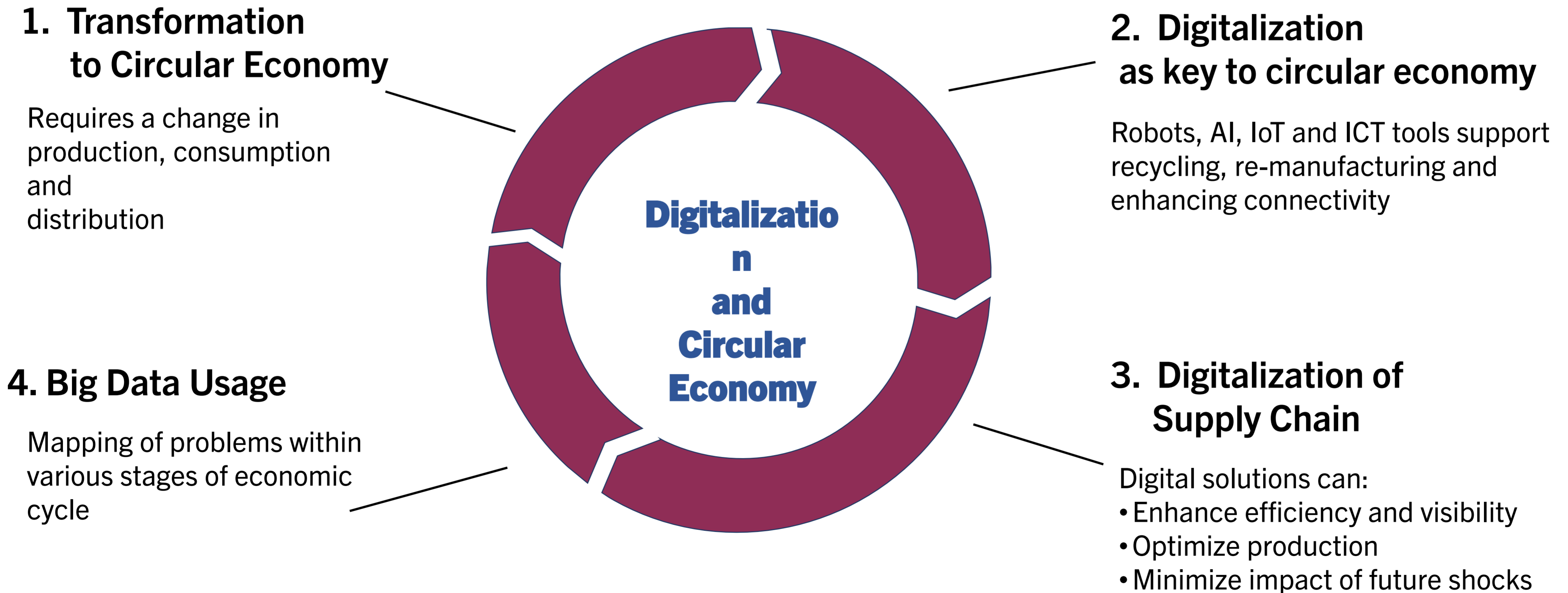


Resource Entry = 700 B Tonnes
Recycled = 10%



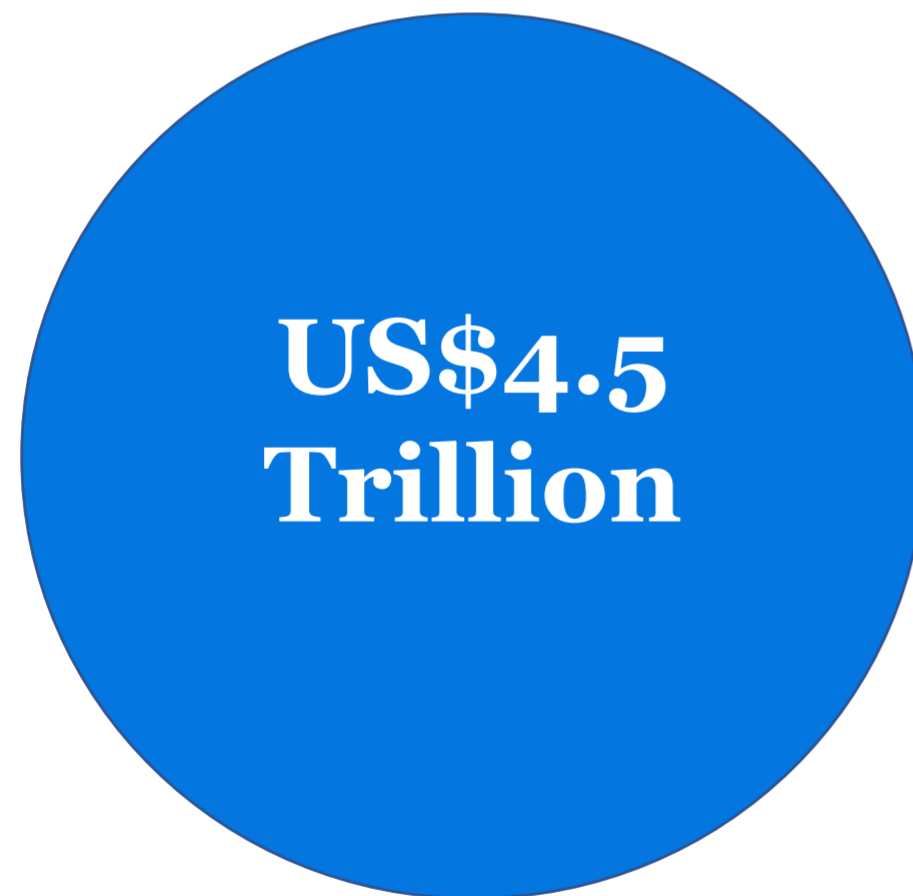
Will double by 2050

Digitalization as a driver of circular economy



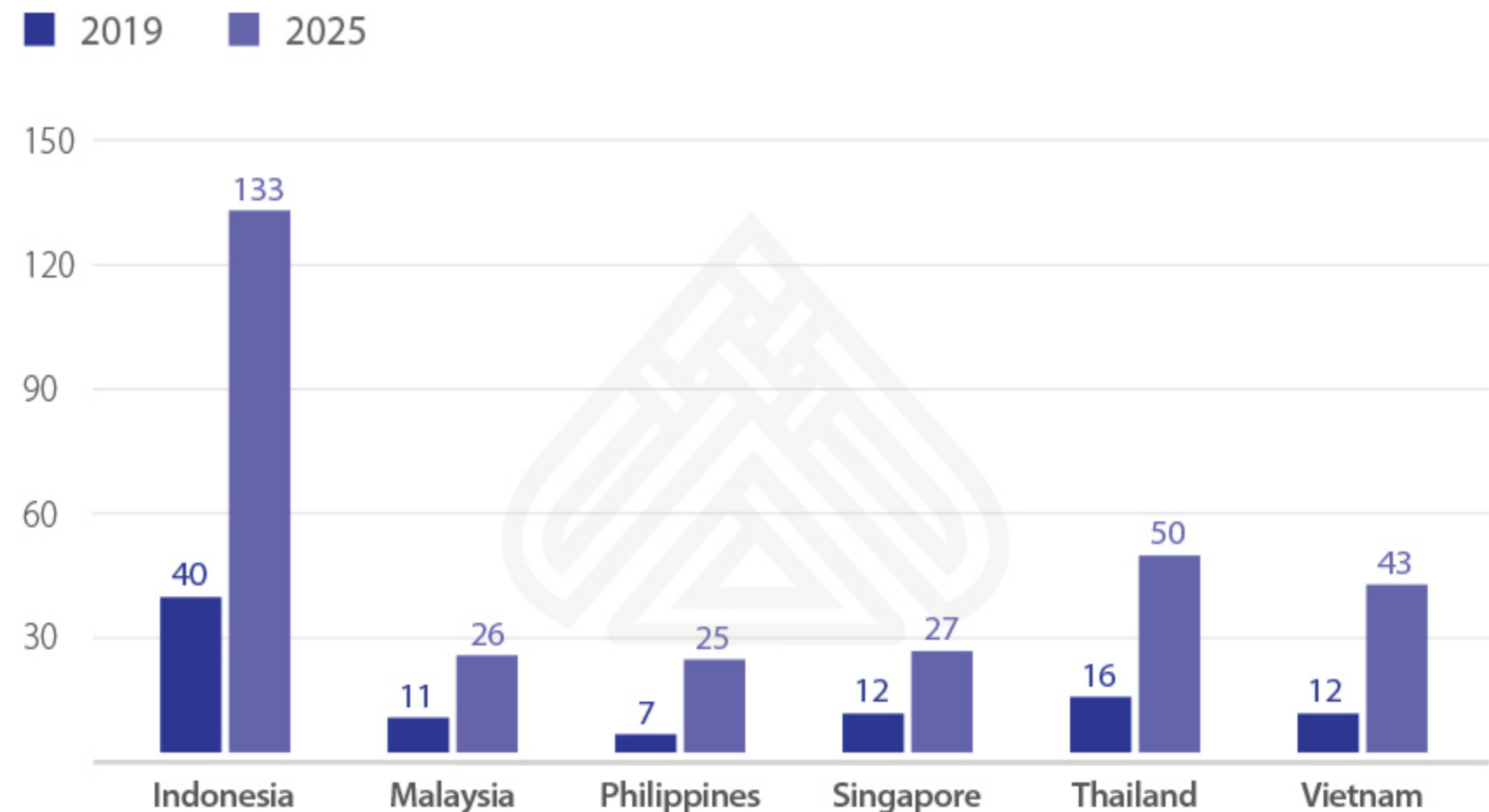
Maximizing the opportunities of circular economy and digital innovation in ASEAN and East Asia ...

**Circular Economy
output by 2030**



Source: Accenture (2015)

Value of the Internet Economy of ASEAN-6 (US\$ billion)



Source: e-Conomy Report, Google, Temasek Holdings, and Bain & Co

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... and addressing challenges and constraints

Infrastructure

- Digital divide at the local level
- Limited powerful ICT infrastructure for new technologies e.g., AI, Blockchain

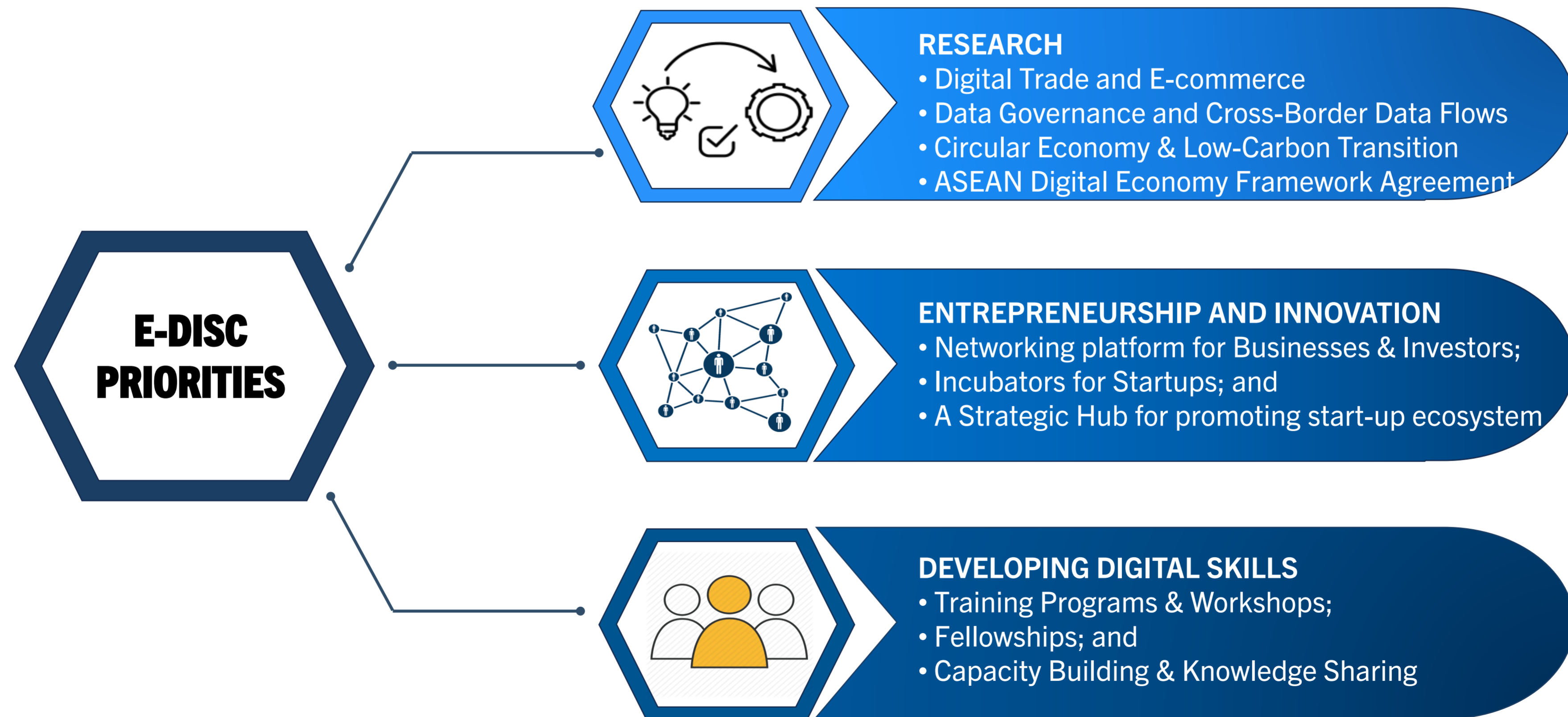
Governance

- The interconnected nature of EAS countries through trade and tech
- Lack of harmonized system codes and policy instruments

Circular transition and digitalization: Making them work in ASEAN and East Asia



Supporting ASEAN and East Asia through E-DISC: ERIA's Digital Innovation and Sustainable Economy Center



Thank you!

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