

ASEAN Japan Business Week 2023 Day 5 (9 June 2023) Session 3: Promoting Digitalization of Supply Chain in ASEAN-Japan

The Vision for Digitalization of Supply Chain in ASEAN and Japan – Interim Report

Keita Oikawa

Economist

Economic Research Institute for ASEAN and East Asia

ERIA and Digital Innovation and Sustainable Economy Centre

About ERIA

- Established in 2008 as an International Organization
- Member countries: **10 ASEAN countries** and **6 ASEAN dialogue partners** (AU, CN, IN, JP, KO, NZ)
- Three objectives: <u>deepening economic integration</u>, <u>narrowing development gaps</u>, <u>and achieving</u> <u>sustainable economic development</u>
- Conduct **researches** and make **policy recommendations**

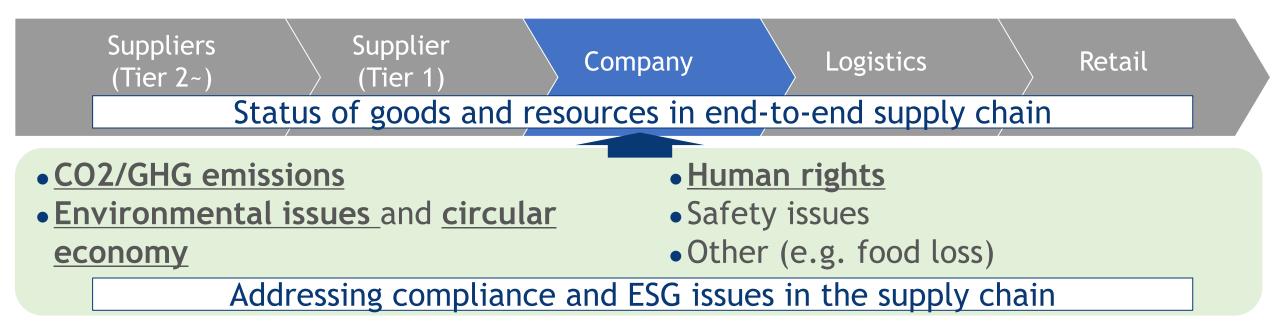
About Digital Innovation and Sustainable Economy Centre

- Will be launched in 2023 as a dedicated division within ERIA to catalyze digital innovation and a sustainable economy in ASEAN and East Asia
- Four goals: fostering public private dialogue, catalyzing regional open innovation, nurturing technological-savvy talent, and providing practical policy proposals
- The digitalization of supply chains in ASEAN and Japan is the **first project of this centre**.



Background and objective

ASEAN and Japan face challenges related to <u>emerging supply chain issues</u>. To overcome challenges collaboratively, ERIA's Digital Centre provides a <u>dialogue platform</u> <u>for stakeholders</u> to discuss <u>benefits through data-sharing across supply chains</u>.



Method

Method

- "<u>Start small, grow big</u>" strategy gradually expand target regions and industries
- ✓ <u>Identify pain points</u> within specific industries and <u>develop use cases</u> to address these challenges by <u>forming discussion groups</u> composed of supply chain stakeholders

Immediate focus: target countries, industries, and experts

(Automotive)(Logistics)(ANita Kartikasari (KADIN)Teng Theng Dar (BASE)AAriel Goh (ITE College East)(TP	ilandViet Namtomotive)(Electronics)anun KophaiboonLe Thi Thu Thuy (VCCI)mmasat U)Truong Gia Binh (FPT)SrisangnamIalongkorn U)
--	---



Vision – mission and value proposition **Mission**

Establish a **reliable supply chain** which can provide **transparency**, **connectivity**, **sustainability**, and **competitiveness** with **collaboration between ASEAN and Japan**.

Value proposition

<u>**Transparency</u>**: Provide increased visibility in supply chains and build trust among all the stakeholders with adequate, accurate and secured data and information sharing.</u>

<u>**Connectivity</u>**: Improve supply chain efficiency by promoting connections across suppliers, manufacturers, and customers through digital and data exchange.</u>

<u>Sustainability</u>: Drive ethical and environmental responsibility in industry ecosystem by actively pursuing carbon emission reduction and human rights protection with harmonized standards.

<u>Competitiveness</u>: Build supply chain resilience by predicting and mitigating supply chain risk, as well as enhancing functional capabilities of supply chain stakeholders to further improve efficiency.

<u>Collaboration</u>: Promote collaboration across ASEAN countries and Japan, and between large enterprises and SMEs by exchanging best practices and know-how.

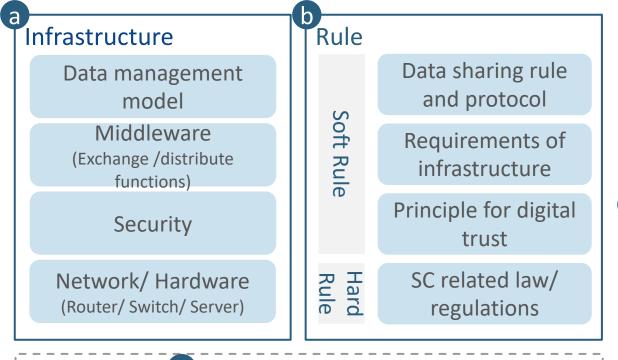
<u>**Reliability</u>**: Provide disciplined standards and governance for secure data exchange with security and, ensure accuracy and confidentiality of information</u>



Vision – essential requirements and enablers

Use case

Actual data exchange & utilization among stakeholders based on specific objectives (GHG visualization, Traceability etc)



C Mindset and skillset

Change mgmt. for people's mindset and skillset for utilizing digital

a Infrastructure

Data management model

- Definition of standard dataset and quality Middleware
- Functionalities in infrastructure to support exchange data (i.e. data exchange connector)
 Security

• Functionalities to ensure security in infrastructure Network and Hardware

• Physical components of infrastructure

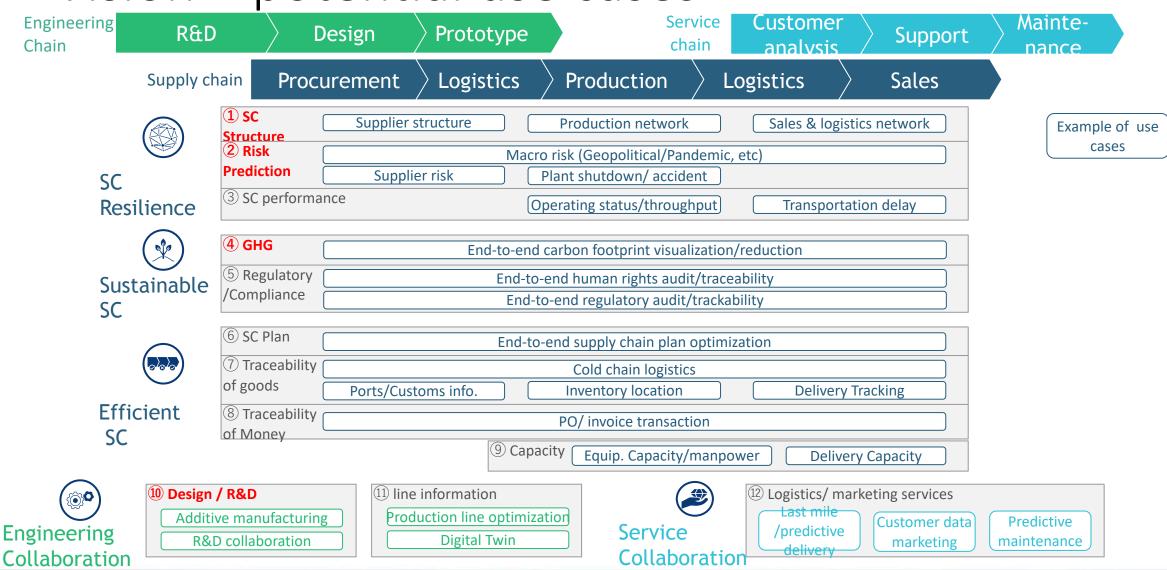
b Rule

Data sharing rule and protocol

- Standard rules/processes for data sharing Requirements of infrastructure
- Standard specification of infrastructure or systems Principle for digital trust
- Digital ID or certification for ensure trust in cyber world
- SC related law/ regulations
- Related law or regulation in the region (i.e. ESG related, data protection related law)



Vision – potential use cases



ERIA

Next steps

- ✓ Update the interim report through collective discussions and <u>finalize the report in</u> <u>November 2023</u>.
- ✓ Form <u>sub-discussion groups</u> to discuss specific use cases in detail, with the goal of realizing tangible benefits from data-sharing.
- ✓ Supply chain digitalization needs <u>persistent and continuous efforts</u>.
 ✓ <u>Deepen the discussion</u> on supply chain digitalization and <u>expand the</u> <u>coverage to include more regions and industries</u> in the <u>coming year</u> <u>and beyond</u>.



Thank you!

