

## Enhancing Supply Chain Resilience in Small Island Developing States (SIDS)

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#### **Small Island Developing States (SIDS)**

"low-lying coastal countries that share similar sustainable development challenges, including small population, limited resources, remoteness, susceptibility to natural disasters, vulnerability to external shocks, and excessive dependence on international trade" (source from UN.org)





#### **Specific Supply Chain Challenges**

High dependency on imports for basic goods and services

#### SIDS economies depend heavily on key imports such as food and fuel

Source: 2023 Sustainable Development Report for SIDS



······ World average







#### **Specific Supply Chain Challenges**

- High dependency on imports for basic goods and services
- Vulnerability to natural disasters such as hurricanes, earthquakes, and tsunamis.

#### Disaster cost in SIDS are significant and much higher than others

Source: 2023 Sustainable Development Report for SIDS

Disaster costs (% GDP), by region



······ World average







#### **Specific Supply Chain Challenges**

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- High dependency on imports for basic goods and services
- Vulnerability to natural disasters such as hurricanes, earthquakes, and tsunamis.
- Issues with transportation and logistical infrastructure – remoteness

#### SIDS are less than one third as well-connected as other developing countries

Source: Adapted from World Bank (n.d.), World Development Indicators,





#### Specific supply chain challenges

- High dependency on imports for basic goods and services
- Vulnerability to natural disasters such as hurricanes, earthquakes, and tsunamis.
- Limited local manufacturing capabilities
- Issues with transportation and logistical infrastructure – remoteness
- Economic impacts of global supply chain disruptions

#### SIDS experienced the worst economic contraction during Covid-19

Source: 2023 Sustainable Development Report for SIDS

Annual real GDP growth among countries with the largest GDP drops in 2020







#### **Importance of Resilient Supply Chains**

 Economic stability: Ensuring continuous access to essential goods and services

#### SIDS were hit the hardest by the global financial crisis

Source: World Bank (2016), World Development Indicators,







#### **Importance of Resilient Supply Chains**

- Economic stability: Ensuring continuous access to essential goods and services.
- Disaster preparedness and response: Ability to recover from natural disasters.

#### SIDS suffer the largest relative losses from natural disasters

Source: OECD-World Bank (2016), Climate and Disaster Resilience Financing in SIDS









#### **Strategies for Enhancing Supply Chain Resilience**



#### Diversification of supply sources

Reducing dependency on single external sources



Investment in infrastructure

Improving ports, roads, and communication systems



Technological adoption

Utilizing technology for better inventory and logistics management, risk management and disaster response



## Policy/regulatory frameworks

Developing policies that support resilient supply chain initiatives



## International cooperation

Building partnerships with other nations, international org. for support and resources







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#### Profile

Global Head of Business Resilience Consulting | Maersk Pioneered the Maersk Supply Chain Resilience Model Over 16 years in risk management & logistics Managed responses to Covid-19, Suez Canal Blockage, geopolitical tensions Associate Member, Business Continuity Institute (AMBCI) Certified Supply Chain Professional (CSCP) M.Sc. in Political Economy BCI APAC Collaboration in Resilience Award Recipient Expert reviewer for UNCTAD Port Resilience Guidebook

#### Reference

WEF Blog on the Red Sea Situation Maersk Blue Paper on Resilience



Barbados 21–24 May 2024

# Thank you!

https://unctad.org/meeting/global-supply-chain-forum-2024

