Global Supply Chain Forum
Barbados
21-24 May 2024

UN trade & development | 60 years

ACHIEVING SUSTAINABLE AND RESILIENT TRANSPORT AND LOGISTICS INCLUDING IN SIDS

22 MAY

ALAN MCKINNON

Inter relationship between resilience and sustainability in relation to freight transport and logistics

RESILIENCE
The ability to bounce back from large scale disruptions
- Professor Yossi Sheffi (MIT)

↓

ADAPTATION
To bounce forward to a new normal

JOHN MANNERS-BELL

Traditional best practices of supply chains
centralization, single sourcing, globalisation, just-in-time replenishment, minimal inventory, vertical disintegration, time compression

↓

SELF INFLICTED VULNERABILITY

Management of Supply Chains to tackle resilience and sustainability

Improve visibility - allowing to measure Scope 3 emissions and build risk profiles

Supply Chain Collaboration - do it correctly, leads to economic and environmental benefits, joint contingency planning

ZERA ZHENG

DARWIN TELEMAQUE

To improve SUSTAINABILITY	RESILIENCE
Constrain growth	Localizing sourcing/shorten supply chain
Get as much freight to low carbon transport modes	Decentralize production and warehousing
Optimise use of freight transport and logistics assets	Relax just in time principle/ more inventory
Improve energy efficiency	Reduce dependence/ high risk sources
Reduce carbon content of energy we use	Diversify procurement of products and services

(all options not feasible for lower income countries)

MIRYAM SAADE HAZIN

SIDS are affected by natural disasters and global supply chain disruptions

SUSTAINABILITY

TRIPLE ADVANTAGE
People
Planet
Profit

Ethical & Societal Dimension of Supply Chains

SUPPLY CHAINS START WITH PEOPLE AND WE NEED TO ENSURE DECENT WORK

MAERSK
- Involved in Crisis Management
- Talking with UNCTAD about partnership enhance supply chain resilience together

Timely info sharing of situation

- Large team working on sustainability
- Logistic team

RECOGNIZES THE IMPORTANCE OF COLLABORATING

Modern Supply Chains are COMPLEX, MULTI-TIERED & OPAQUE

Survey said 75% of supply chain managers believed modern slavery existed in tier's of the chains

Legislations being passed have unintended consequences
- if higher costs are placed on leaders it will impact sourcing policies and may cause investments to be pulled out of developing markets

Deglobalization may not improve resilience

International shipping is good for the environment
1/3 yields a net emission reduction

Relaxing just in time may reduce emission from freight but increase warehouse emmissions

FOSSIL FUEL
↓
RENEWABLE ENERGY

↑ sustainability & resilience
will be costly and take time but will be benificial

ISLAND LIVING

Maritime transport is the typical transport method

DEVELOPMENT CAPACITY/FUNDING

Our resilience is challenged by our capacity to design systems that are sustainable and resilient

Some organisations would tell the Caribbean islands that their Per Capita Income is too high to allow you development funding but still expect you to develop/design

Recently Implemented CII Regulations by the IMO
- need to ensure traffic through ports move efficiently to minimize carbon

↓

Impacts are affecting small island ports

Region:
First
Understand what's the direction
then
Need support and space

CARBON INTENSITY

SIDS NEED HELP/SPACE TO DISCUSS RESILIENCE ESPECIALLY SINCE THE NEW MANDATE

WE ARE ADVOCATING FOR THE CITIZENS

Antigua has a crane and can discharge 22/hr
Next two islands don't so they only do 7/8/hr and they also have cruise ship which increase wait time

BETTER VISIBILITY

About shipper, consignee who provides critical materials, and who contributes

MOST THINK OF THE ECONOMIC & FINANCIAL CRISIS
NOT ENVIRONMENTAL SOCIAL

The more connected countries benefitted from vaccine access

The inflation wasn't transitory impact

UNCTAD + Partners implemented a project to aid countries face crisis

Countries were really affected by the Isolation

Gave technical assistance
- water waste
- global airships
- vaccine distribution
- technical policies
- Logistics

UNCTAD + Partners accessed situations and recommended policies and they lead to Capacity Building

Prepare our countries to be more resilient and sustainable in the face of crisis

SUSTAINABILITY RESILIENCE

DIGITIZATION and the disruptive impact it can have on flows of goods

Importance
enable the movement of shipments across the region
↓ border friction
↓
environmental impact (visibility in tiers in chain)
AI (predict future shocks)

IMPLEMENTATION OF MARITIME SINGLE WINDOWS THROUGHOUT THE CARIBBEAN

Norway provided free support, now the same shall be passed on to the Caribbean... This digital format helps ships before they dock

As the number of suppliers increases management of the process becomes a challenge

Ability to help customers identify suppliers, and throughout the journey

US Force of Labour Law
Act is demanding
- first make sure Not blacklisted

Climate Change can cause domino effect through the supply chain
eg a flood in Malaysia affected manufacturers in lifestyle sector which affected timeframes

GEOPOLITICS

Geopolitical Impacts
Covid
Wars

THE WORLD IS CHANGING.

↓

INTEGRATION AMONG COUNTRIES TO FEND AGAINST CRISES

New Project to aid with food security with
Lebanon & Morocco
Barbados & Trinidad and Tobago

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