



SUSTAINABLE PORT DEVELOPMENT



CAPT. K. SUBRAMANIAM

General Manager, PKA
Vice President IAPH (Asia, South East & Oceania Region)

SEPTEMBER 29, 2020

SUSTAINABLE PORT DEVELOPMENT

NATIONAL TRANSPORT POLICY 2019-2030

POLICY THRUST

Policy Thrust 1: Strengthen the governance to create a conducive environment for the transport sector

Policy Thrust 2: Optimise, build & maintain transport infrastructure, services and networks for efficiency

Policy Thrust 3: Enhance safety, integration, connectivity & accessibility for seamless journey

Policy Thrust 4: Advance towards a green transport system

Policy Thrust 5: Expand global footprint and promote internationalisation of transport services

STRATEGIES

S1.3 :Strengthen and streamline the regulatory framework.

S2.1: Implement smarter and more efficient use of existing infrastructure and in developing new infrastructure.

S3.2 : Adopt a safe system approach that advocates safer road, rail, maritime and aviation users, infrastructure and vehicles.

S3.4: Strengthen transport infrastructure and intensify the use of digitalization to enhance connectivity

S4.1: Enforce compliance to acts/regulations and shift towards international environment standards
S4.3: Accelerates implementation of low carbon mobility initiatives

S5.1: Create an environment that facilitates local transport industry operators to become regional or global players

INFRASTRUCTURE CAPACITY BUILDING



- Road & Rail -Green Concept
- Warehouse and Office Building -Solar Energy & IBS
- Wharf & Operational Equipment - Electricity

DIGITALIZATION



- Seamless connection - Real Time & Transparent
- Cyber Security -Track & Trace

GREEN ENVIRONMENT



- Waste Management - Port Reception Facility
- Alternative Energy -Solar Energy
- CO2 Emission -Shore Side Plug - Electricity

REGIONAL COOPERATION

COOPERATION



1

Work to resolve common issues and committed to a cleaner, safer and more environmentally-sustainable industry.



2

APSN is to promote economically and environmentally sustainable ports by strengthening cooperation, developing best practices and guidelines, enhancing supply chain effectiveness, building capacity and stimulating information and personnel exchange.



3

Enhance and coordinate future sustainability efforts of ports worldwide and foster international cooperation with partners in the supply chain.



4

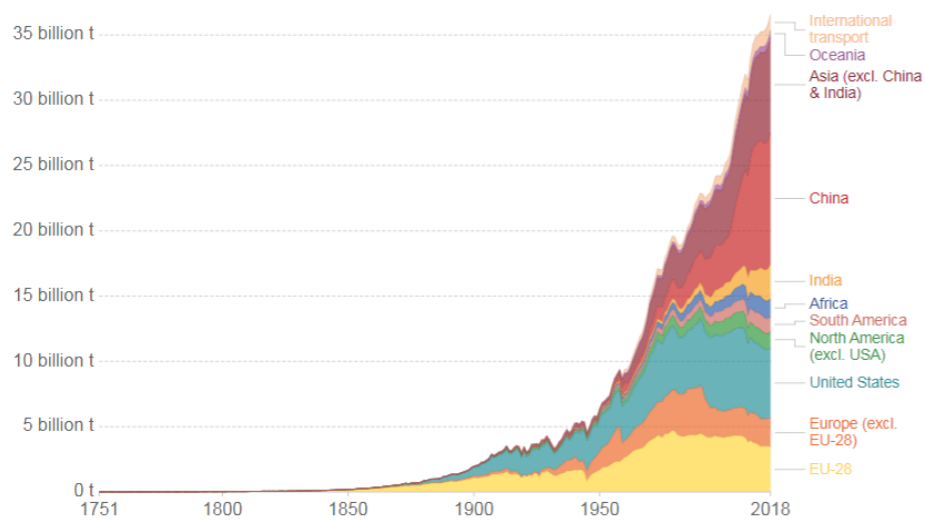
Facilitate the exchange of ideas and learn best practices.



5

Provide a venue for port officials concerned to meet and share experiences that may lead to finding solutions to identified problem areas and emerging issues affecting the port sector.

Annual Total CO2 Emission



Source: Carbon Dioxide Information Analysis Center (CDIAC); Global Carbon Project (GCP)
 Note: 'Statistical differences' included in the GCP dataset is not included here.
 OurWorldInData.org/co2-and-other-greenhouse-gas-emissions • CC BY

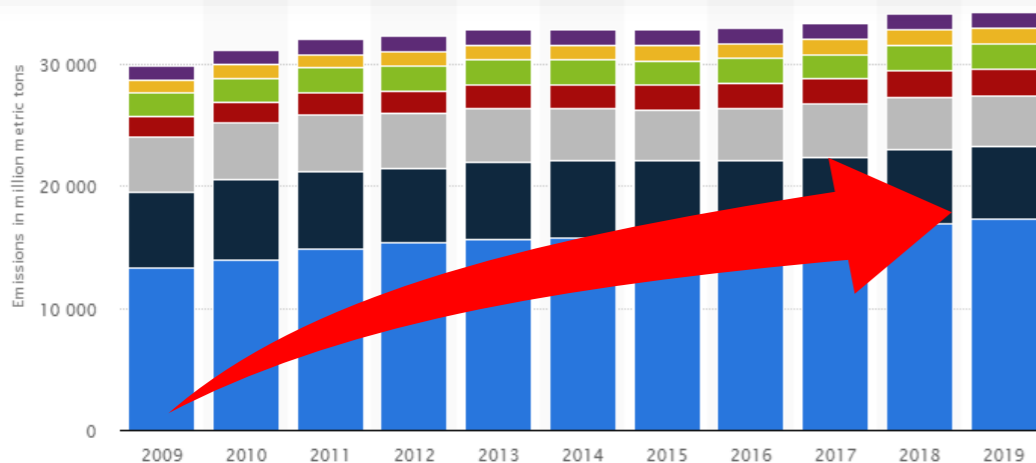
• 2009: COP15 in Copenhagen

"Malaysia adopting an indicator of a voluntary reduction of up to 40% in terms of emissions intensity of GDP by year 2020"

• 2016: COP21 in Paris

"Malaysia intends to reduce its greenhouse gas (GHG) emissions intensity of GDP by 45% by 2030 relative to emissions intensity of GDP in 2005"

World Carbon Dioxide Emissions from 2009-2019



ASEAN Member States ratified to Paris Agreement



ASEAN Climate Change and Energy Project

<http://accept.aseanenergy.org/>



The way forward for the region....

*Do We Have Common Standards?
Do We Have Common Approach?
Do We Have Common Goals?
Do We Have Common Legislation & Regulation?*

Malaysia's Approach through:-

- A. Malaysia Federal Port Authorities & Private Terminal Operators.
- B. ASEAN Ports Association – Malaysian Chapter.
- C. ASEAN Ports Association – Regional.

To Achieve:-

- A. Common Understanding of Challenges.
- B. Streamline Objectives.
- C. Setting Clear Goals.
- D. Implementation of Initiatives & Plans.

European Commission- Renewable Energy Efficiency Governance

- Regulatory framework.
- Binding renewable energy target 32%.
- Energy efficiency target 32.5%.
- Steeper emission reduction some 45% by 2030.

THANK YOU