

Environmental Policy of Ports in Japan

Toshimasa KAWASAKI

Director for Environmental Policy Office,

Ports and Harbours Bureau, MLIT

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1. Global Container Transport Disruptions

- Infection of dockworkers and truck drivers
- Stagnation in cargo handling and unloading operations
- Stagnation of container ships at port
- Decline in on-time operation rate
- Spending more time at home
- Increase in consumption of daily necessities
- Increase in container transport volume
- Shortage of container ships
- Increase in container shipping rates

2. Changing Conditions in Japan

- Unstable supply chain
- Avoid transshipment and use direct route
- Crowded container terminal
- Remote control of handling at ports
- Computerization of port procedures

In addition to responding appropriately to increasingly diverse environmental issues, it is essential to recover as much as possible of the natural environment that has been degraded and lost in the past, and to incorporate environmental considerations into all functions of the port.



Balancing the development and use of ports with the conservation, rehabilitation and creation of the port environment



(1) Conservation, restoration and creation of the marine environment

(2) Prevention of marine pollution

(3) Measures against climate change

(4) Formation of recycling-oriented society

(5) Creation of enriched port space



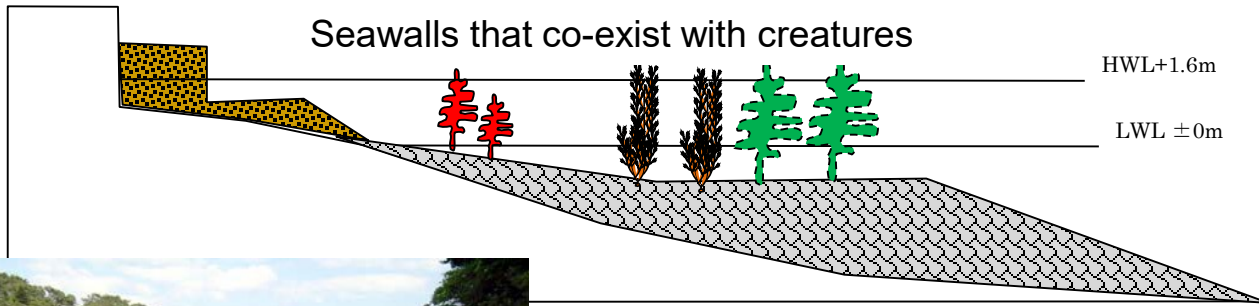
Red tide



Blue tide



Dredging of Sludge



Tidal Flat



Seagrass bed



Conservation activities
of seagrass by citizens

Prevention of marine pollution



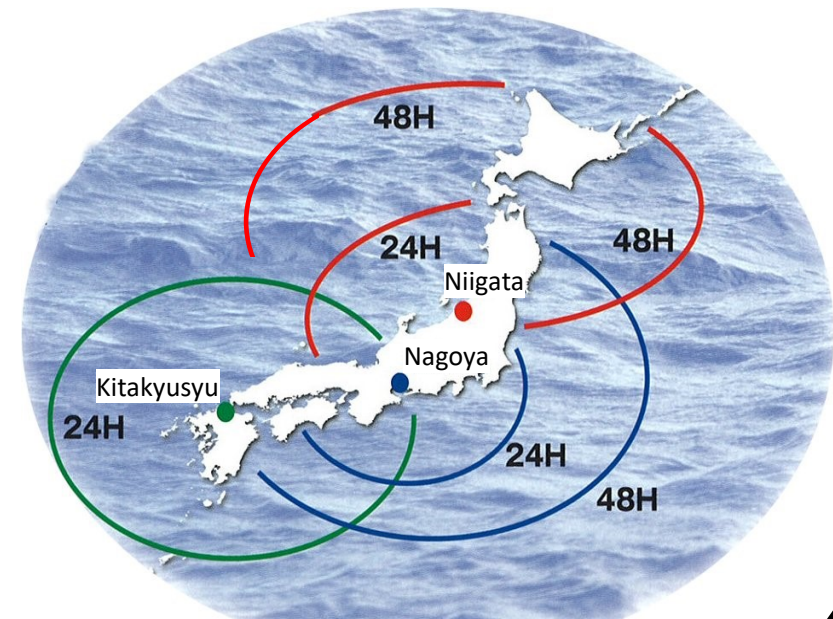
Marine environment maintenance vessels



Large vessels collecting floating oil



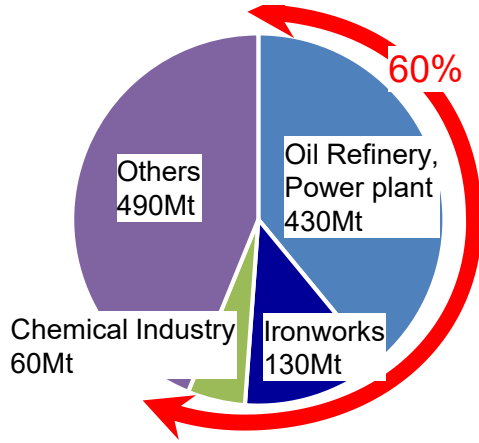
Collection of wood waste



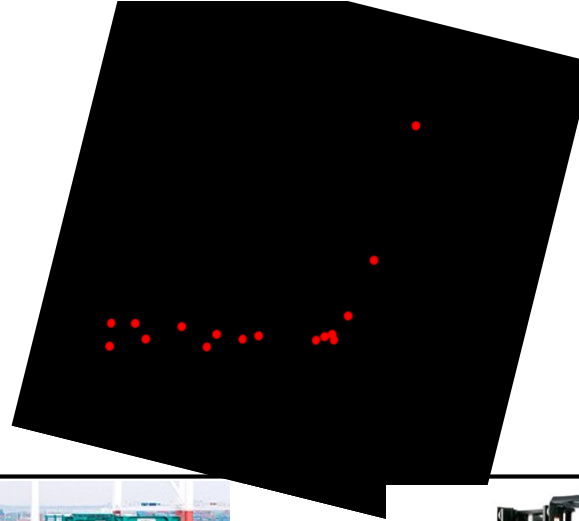
Cover area around Japan by 3 Large vessels

Measures against Climate Change

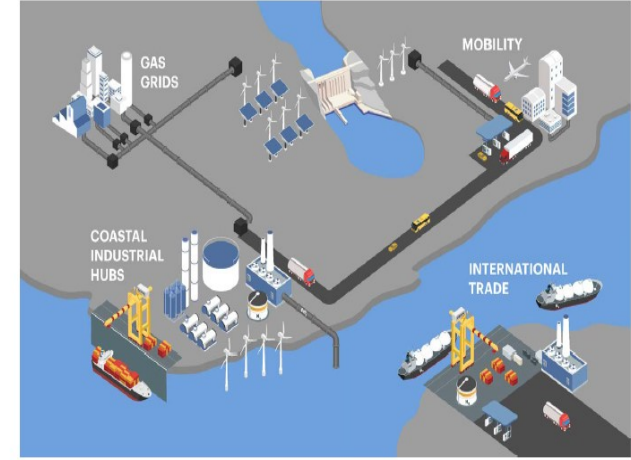
CO2 Emissions(2019)



Location of Oil Refinery



Four key opportunities for scaling up hydrogen to 2030



Hybrid RTG



Hybrid Straddle Carrier



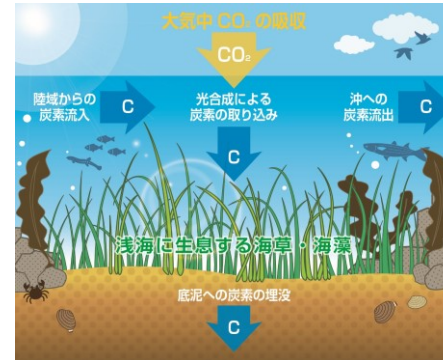
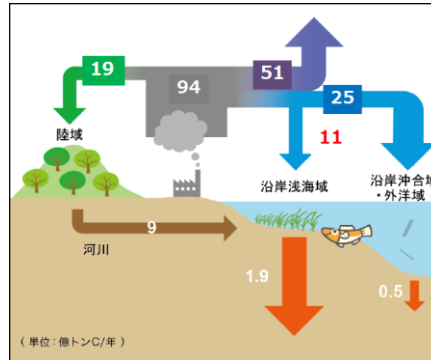
FC Forklift



FC Truck



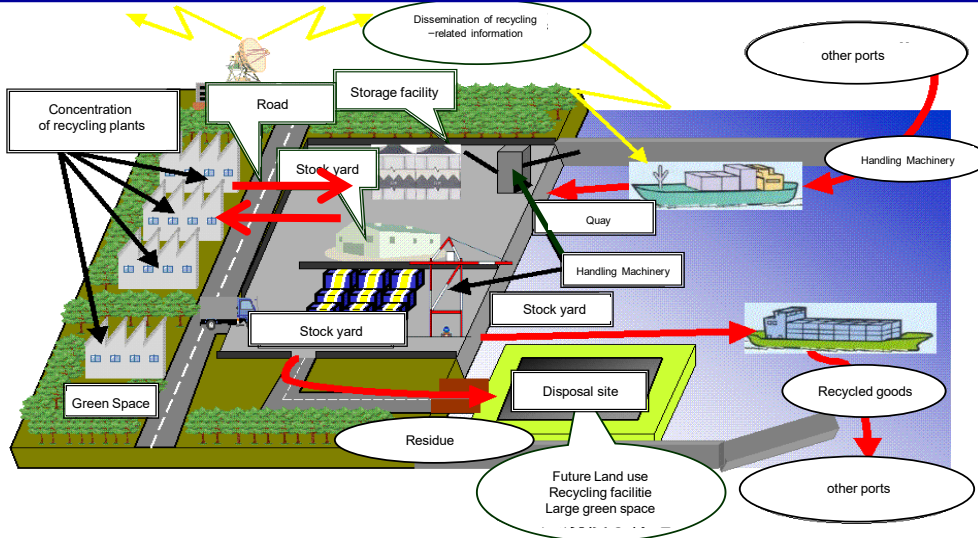
UNEP report on Blue Carbon



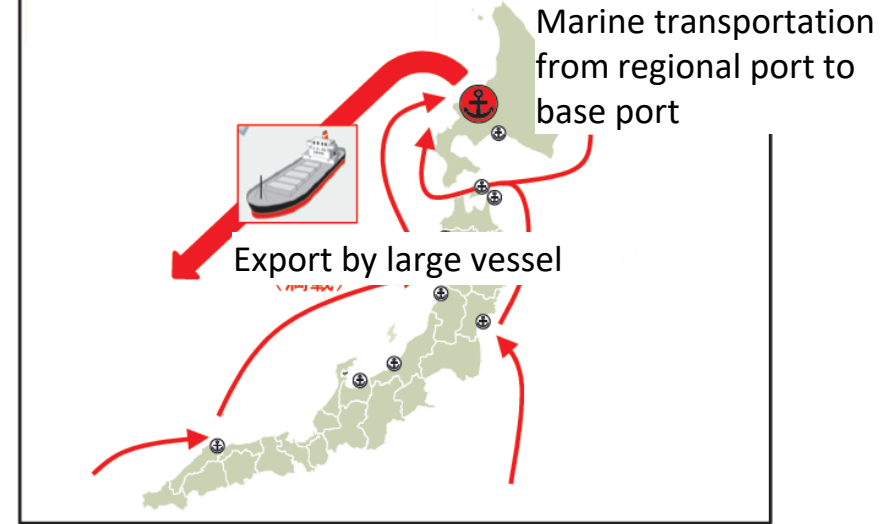
Seagrass in shallow waters 5

Formation of Recycling-Oriented Society

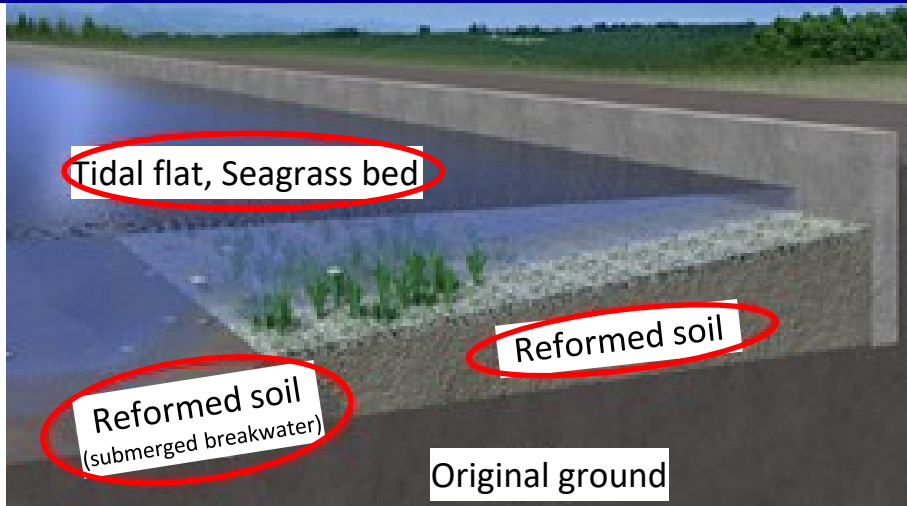
Formation of a base port for handling recycled resources



Export after Consolidation at base port

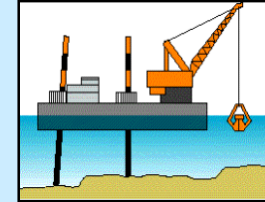


Utilization of industrial by-products in port construction

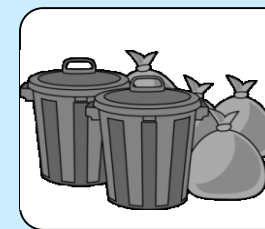


Construction of a systematic disposal site at sea

Dredge soil at port



Waste





Creation of green space for citizens in port area



Promenade along the coast



Marina that provides comfortable services



Discarded boat



Worse landscape