

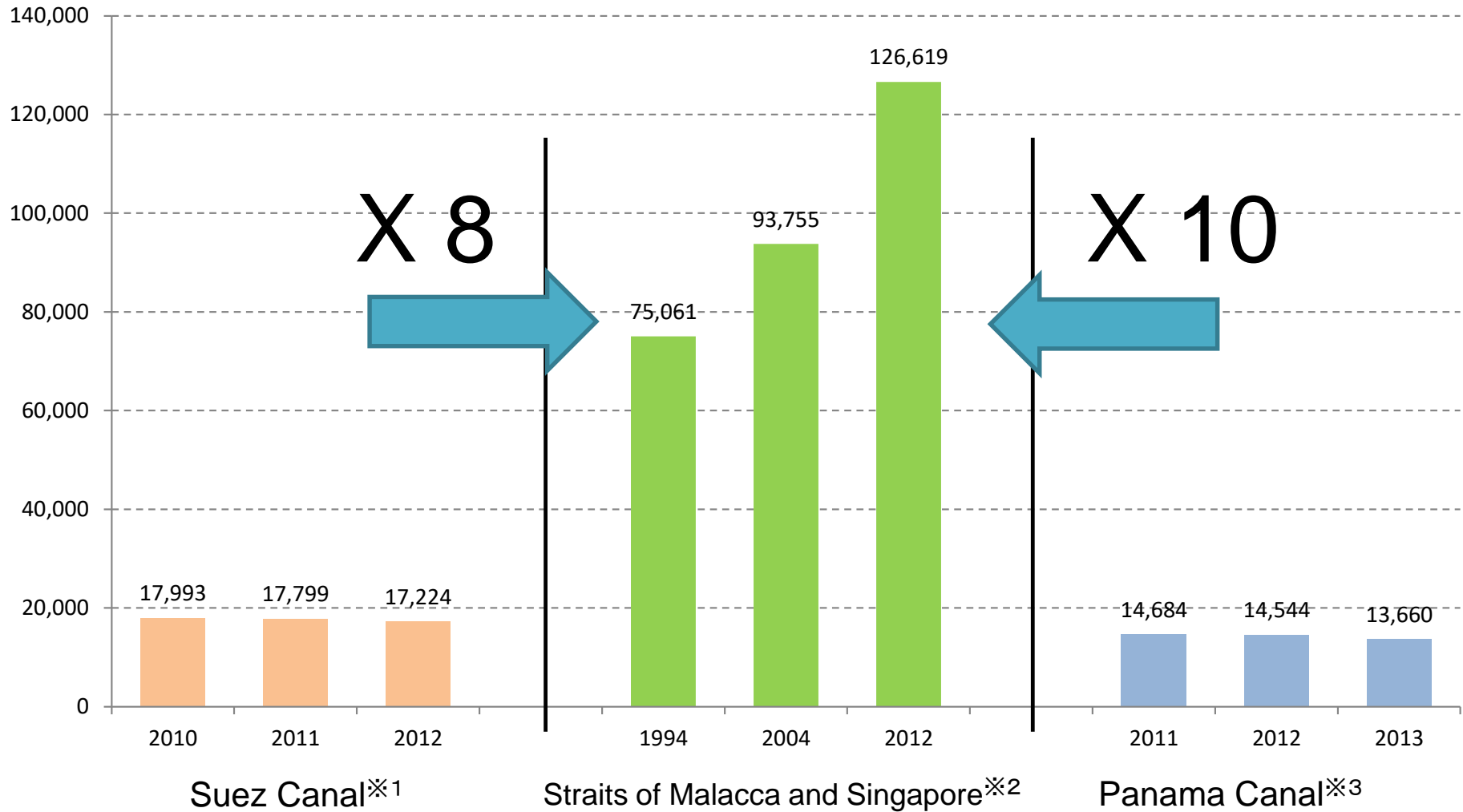
Japan's Cooperation to Enhance Safety of Navigation in the SOMS

Maritime Bureau, MLIT-Japan
October 2-3, 2017

The 10th Co-operation Forum under the Co-operative
Mechanism in the Straits of Malacca and Singapore

Comparison of Transiting Vessels among the Three Vital International Shipping Passages

(Number of Vessels)

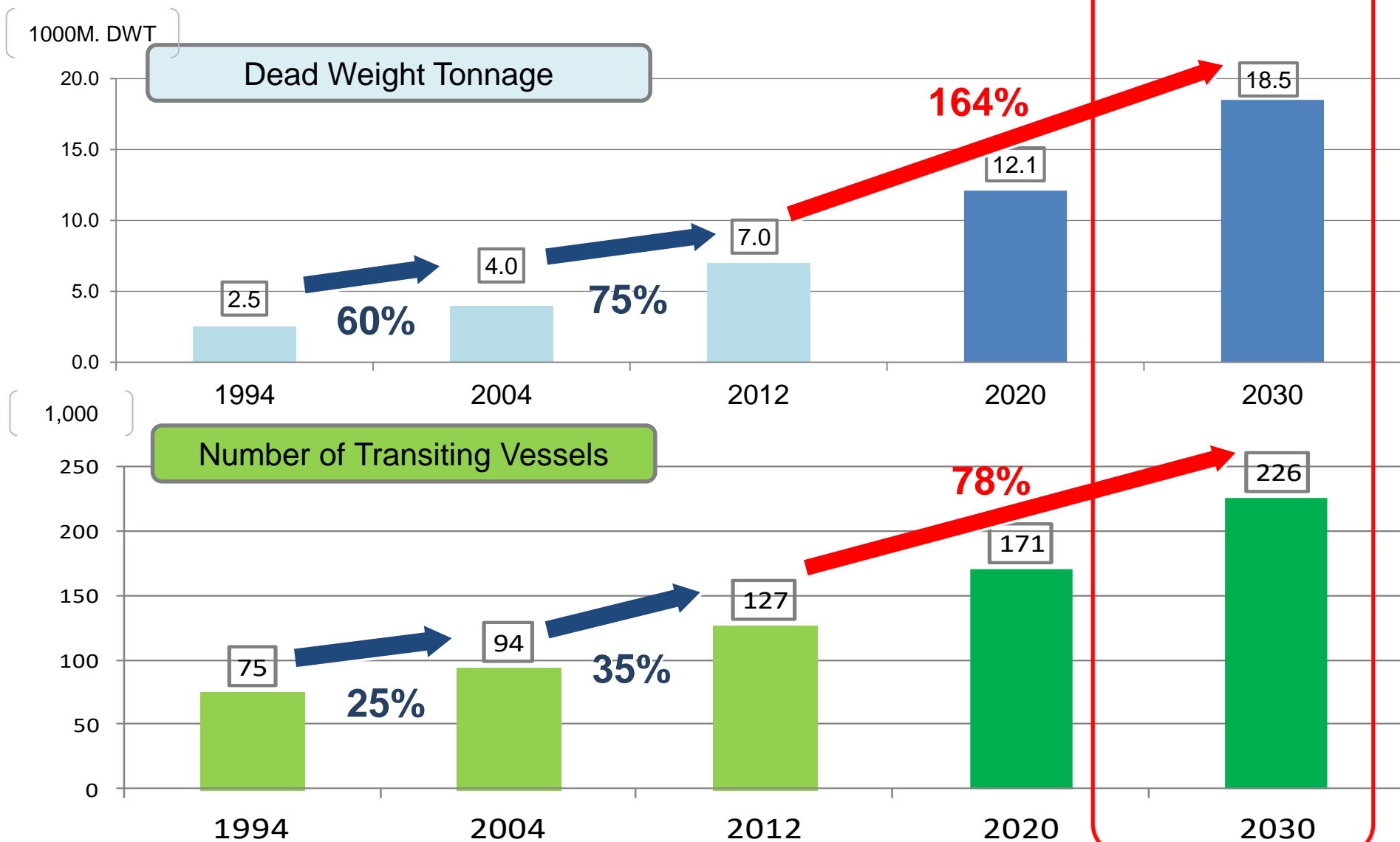


※1 Source: Suez Canal Authority

※2 Source: The Japan Association of Marine Safety

※3 Source: Autoridad del Canal de Panama

Estimated Traffic Volume in SOMS

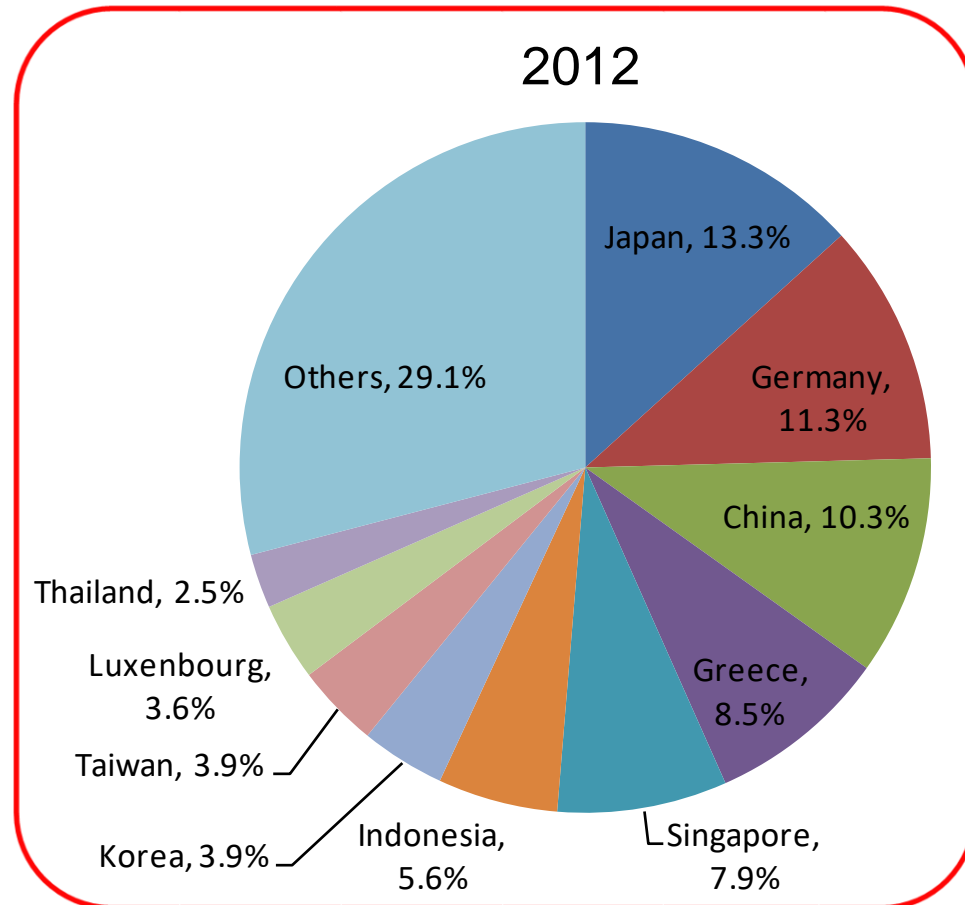
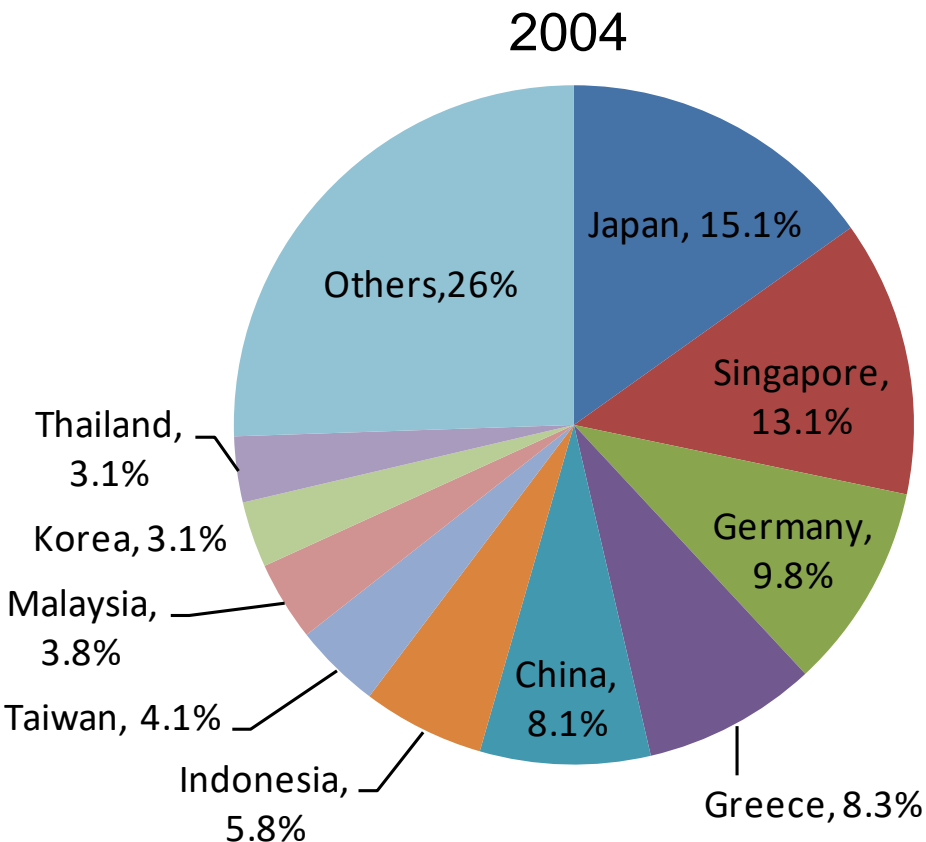


Source : 2012 Survey by The Nippon Foundation

Share of Vessels by Transiting in the SOMS Country/Region

- Japan still remains at the first place in 2012

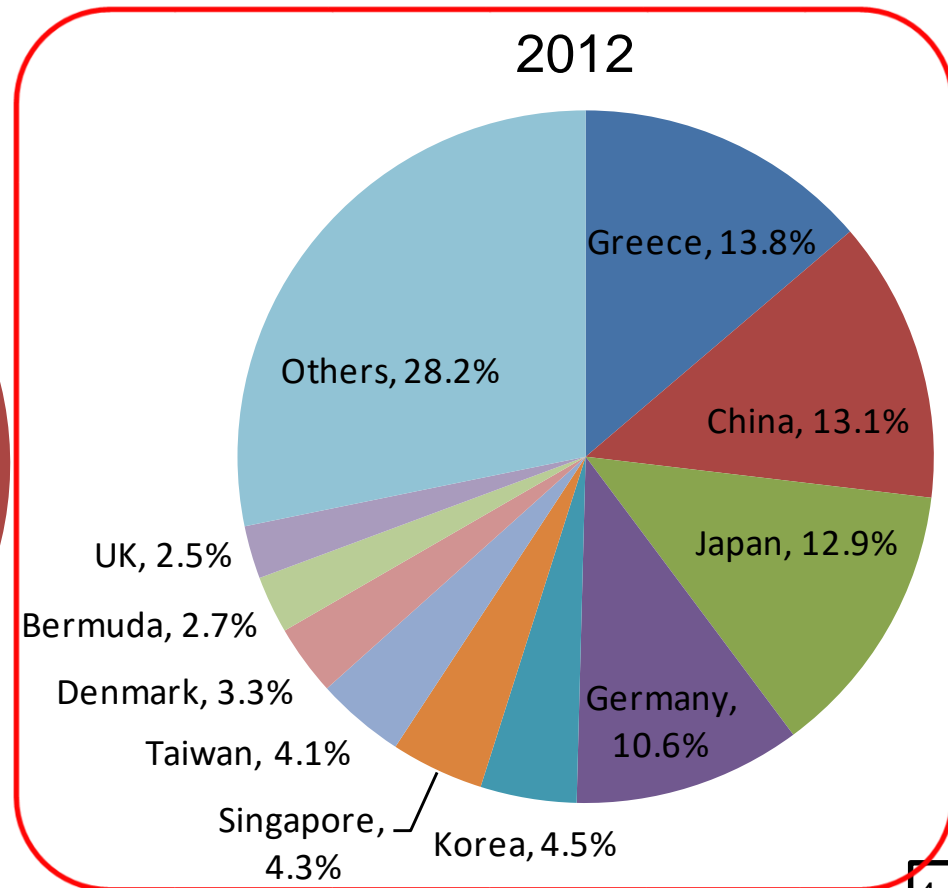
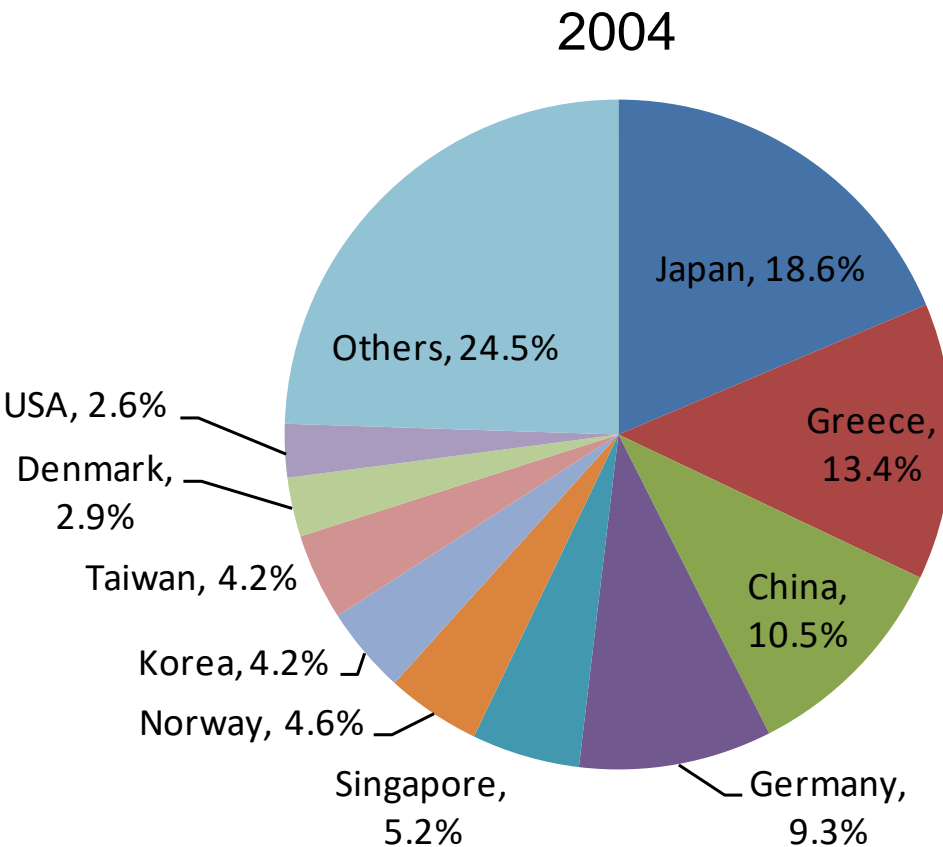
Number of Vessels



Share of Tonnage Transiting in the SOMS by Country/Region

- Greece and China have come ahead of Japan

DWT



Source: The Nippon Foundation

Japan's contributions before the Cooperative Mechanism

- Hydrographic Surveys 1969-1975, 1978 and 1996-1998
- Removal of Four shipwrecks 1973-1978
- Cooperation for Maintenance & Replacement of Aids to Navigation 1969-2007
- Donations
 - Buoy Tenders to Indonesia and Malaysia 1976, 2002 and 2003
 - Dredging work in the Strait of Singapore 1979
 - Revolving Fund 1981
 - Oil Skimming Vessel to Singapore 1973

In Total USD150 M

➤ **Project 3 (2011):**

Trial of AIS-B transponders on small vessels in the Singapore Strait

- ✓ Donated 10 AIS class B transponders
- ✓ Assessed reliability of AIS class B transponders

➤ **Project 5 (2008-):**

Maintenance and replacement of aids to navigation

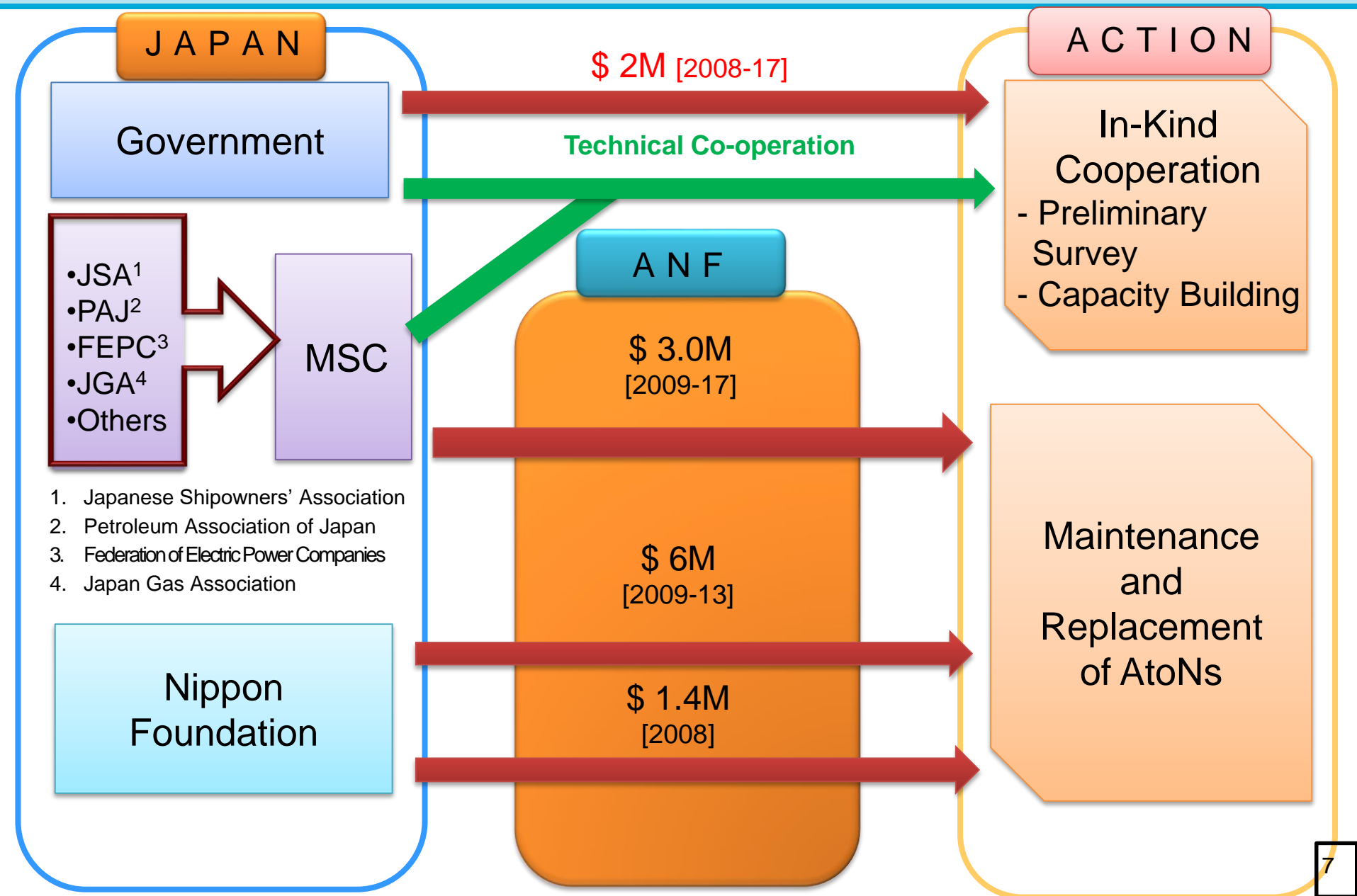
- ✓ Supporting the project through in-kind cooperation
- ✓ Japanese private sectors have contributed USD10.4M to ANF

➤ **Project 13 (2016-):**

New study for the safety of navigation in the SOMS

- ✓ Introduction of Partial Navigational Restrictions in the TSS

The Framework of Japan's Contribution to the Project 5



In-kind contributions to the **Project 5**

1. Technical workshops

- Every year since 2011
- Five participants from each Littoral State

2. Preliminary survey works to AtoNs

- Done at 19 sites since 2009

Japan's Contribution to the Project 5 (Technical Workshop in Malaysia)



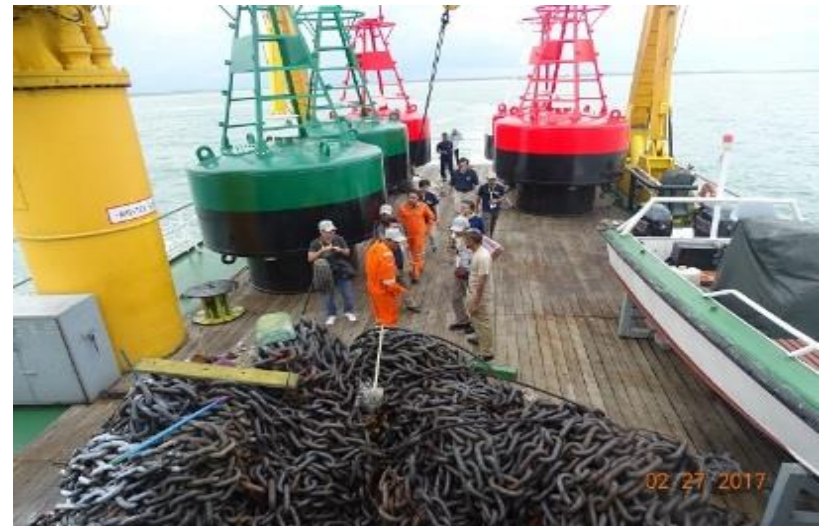
At the entrance of MATRAIN



Lecture

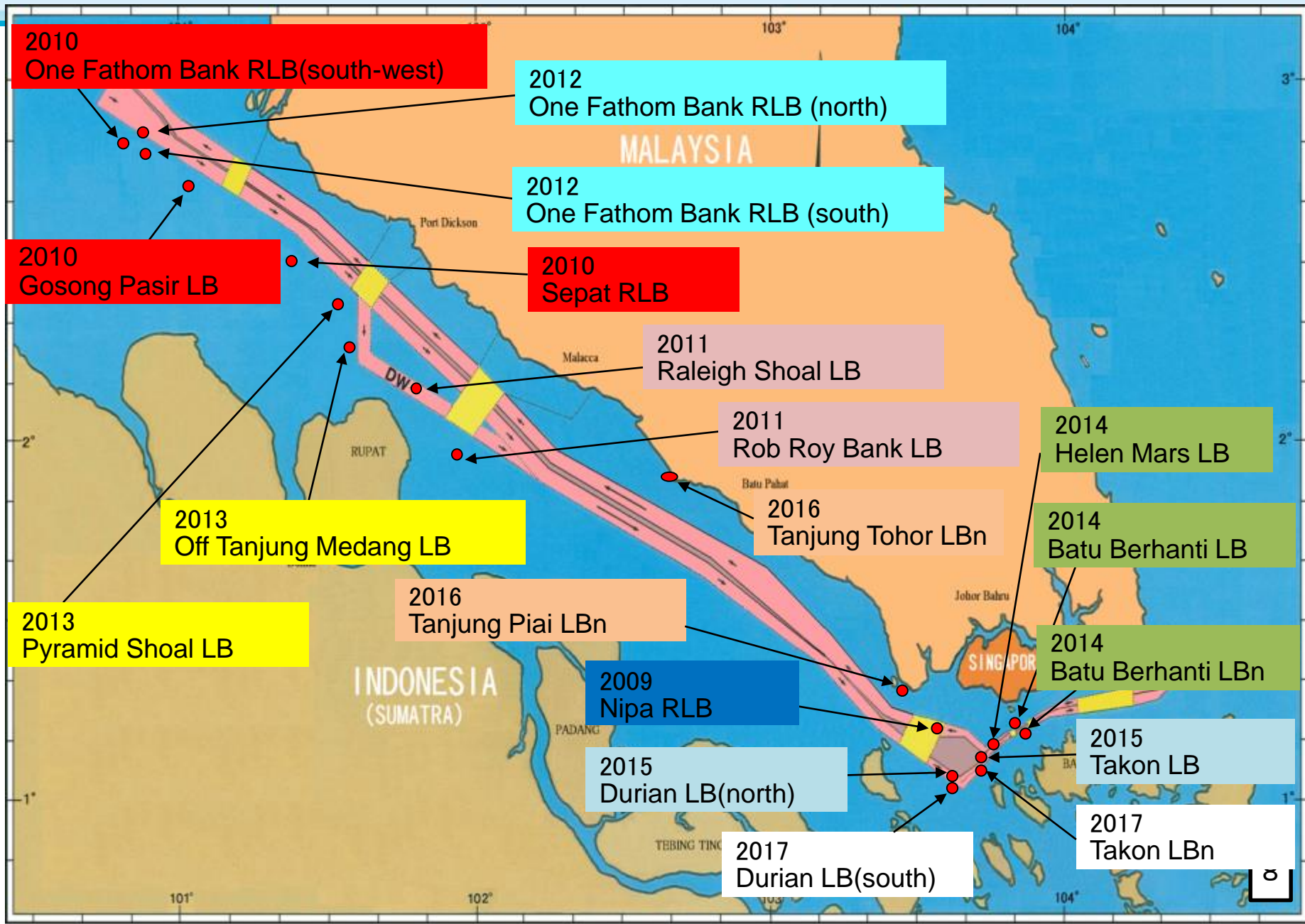


VTS Center



On board Training

Japan's Contribution to the Project 5 (Preliminary Survey Works)



Joint Hydrographic Survey in the SOMS

Objective

- To ensure safety of navigation and protection of marine environment in the SOMS through updating electronic navigational charts(ENCs) surveyed in 1998 with multi-beam echo-sounders.

Development

- The project was authorized by the 39th Tripartite Technical Expert Group (TTEG) held in Malaysia in 2014.

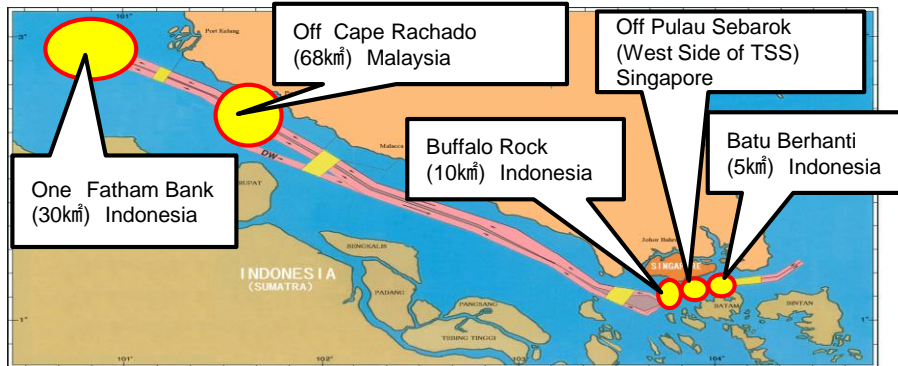
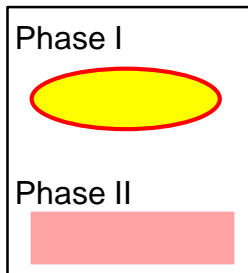
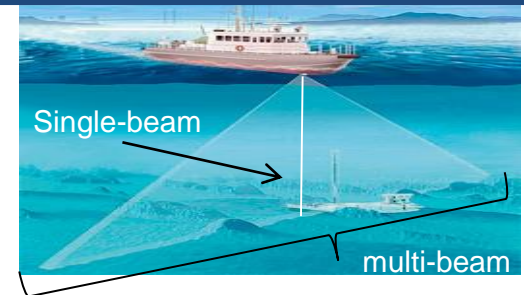


Image of the Joint Hydrographic Survey



Phase I (2015 – 2016)

- Five critical areas in the Traffic Separation Scheme(TSS)
- Funded by the Japanese Shipowners' Association etc.

Phase II (2017 - 2020)

- Entire/main area of the TSS except for the Five critical areas
- Founded by the Japan-ASEAN Integration Fund (JAIF)
- JAIF application was submitted in March 2016 and has been approved in July 2016

Thank you