

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

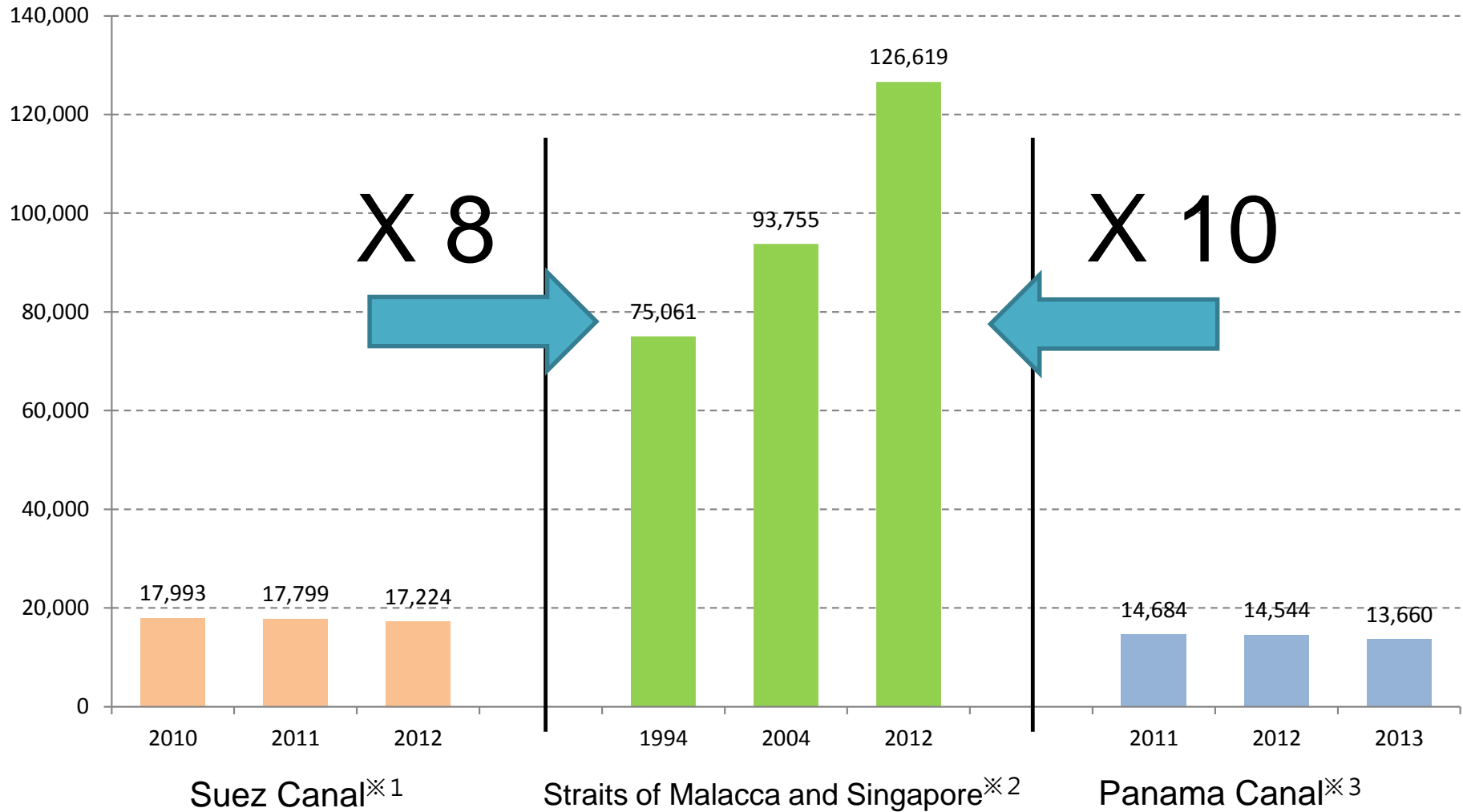
Maritime Bureau, MLIT-Japan
September 26-27, 2016



The 9th Co-operation Forum under the Co-operative
Mechanism in the Straits of Malacca and Singapore

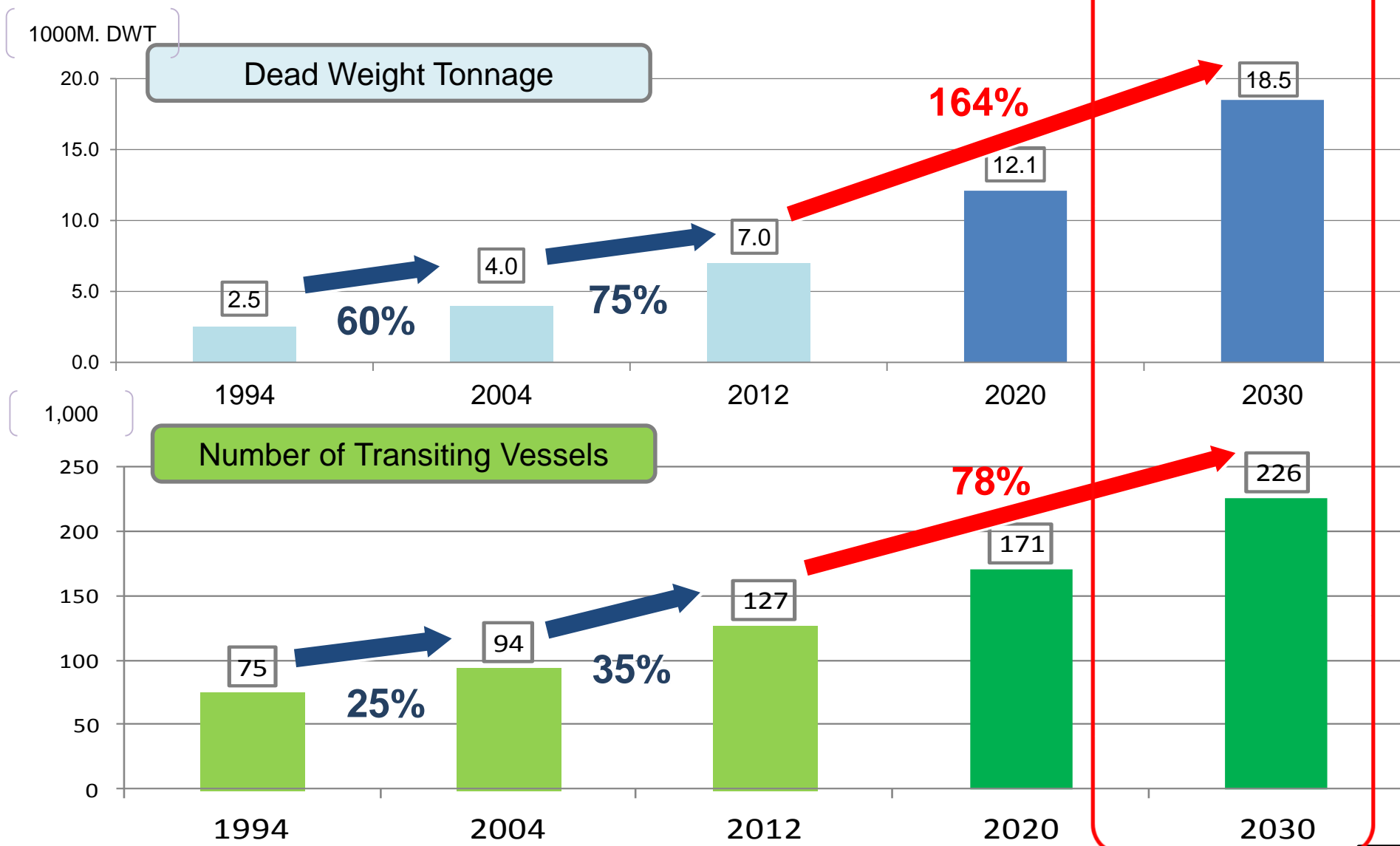
Comparison of Transiting Vessels among the Three Vital International Shipping Passages

(Number of Vessels)



※1 The Suez Canal Authority
※2 The Japan Association of Marine Safety
※3 Autoridad del Canal de Panama

Estimated Traffic Volume in SOMS

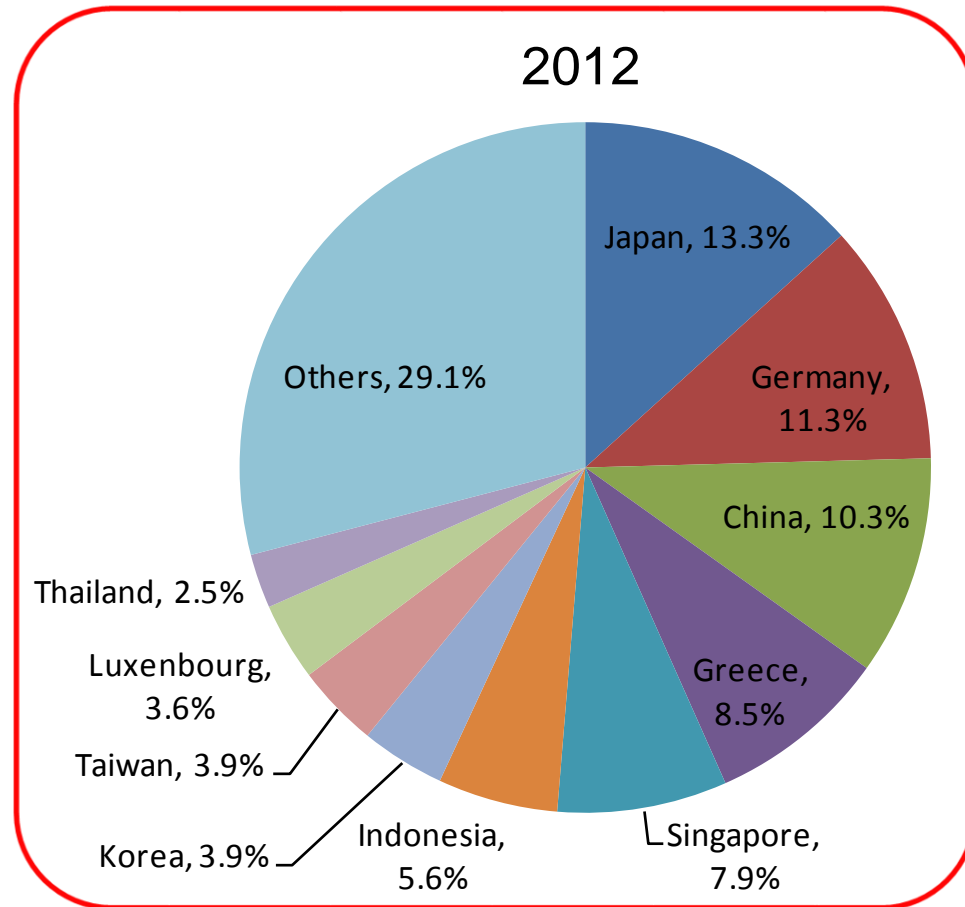
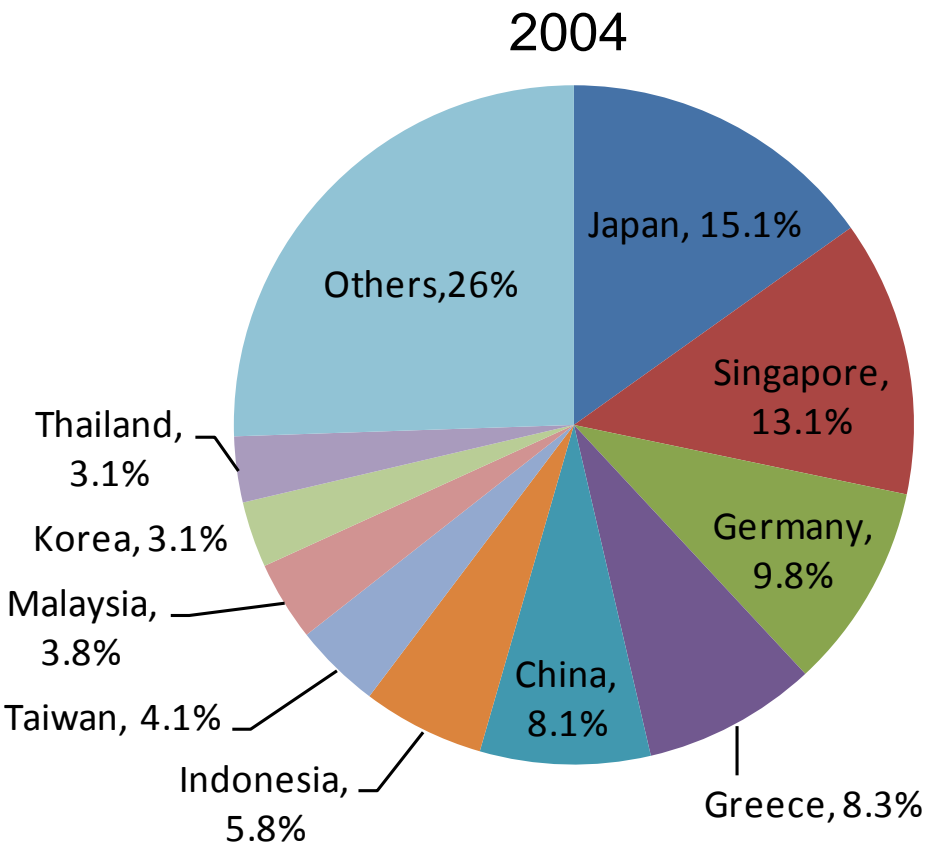


Source : 2012 Survey by The Nippon Foundation

Shares of Vessels Transiting in the SOMS by Country/Region

- Japan still remains at the first place in 2012

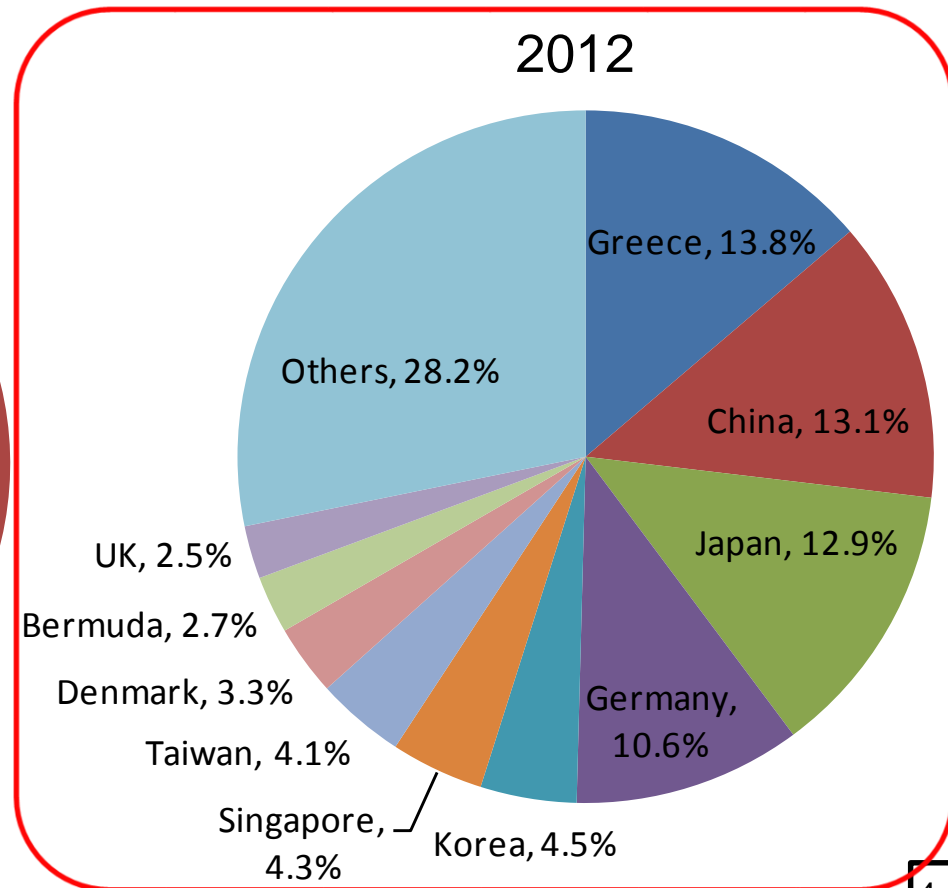
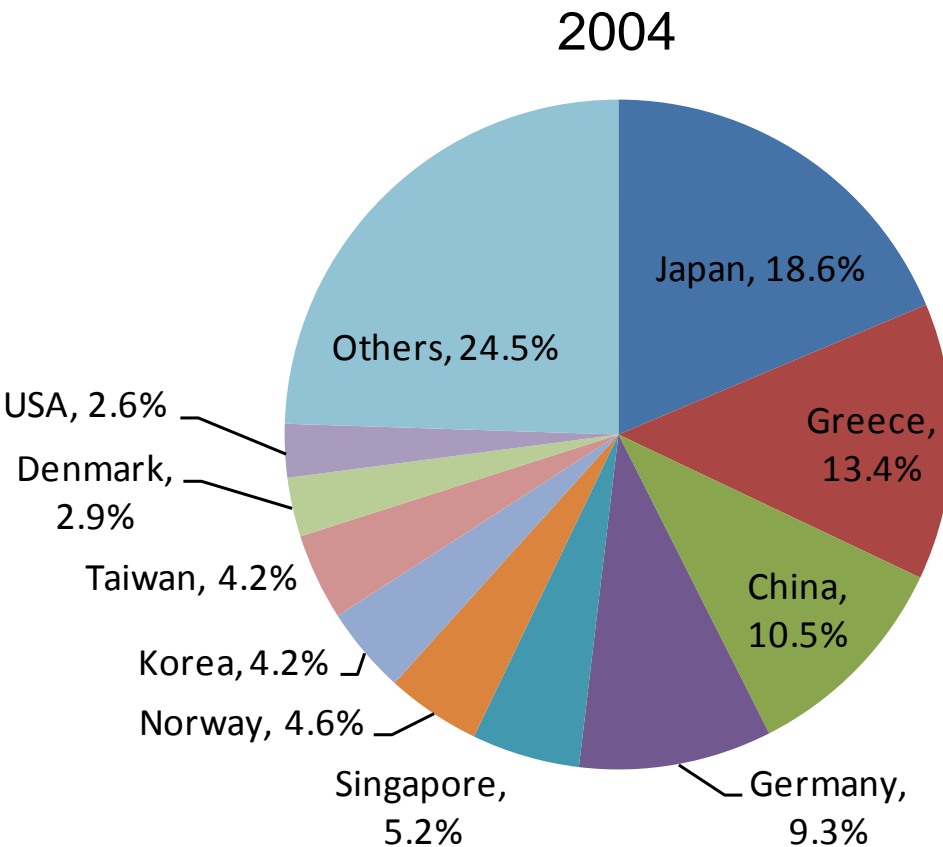
Number of Vessels



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

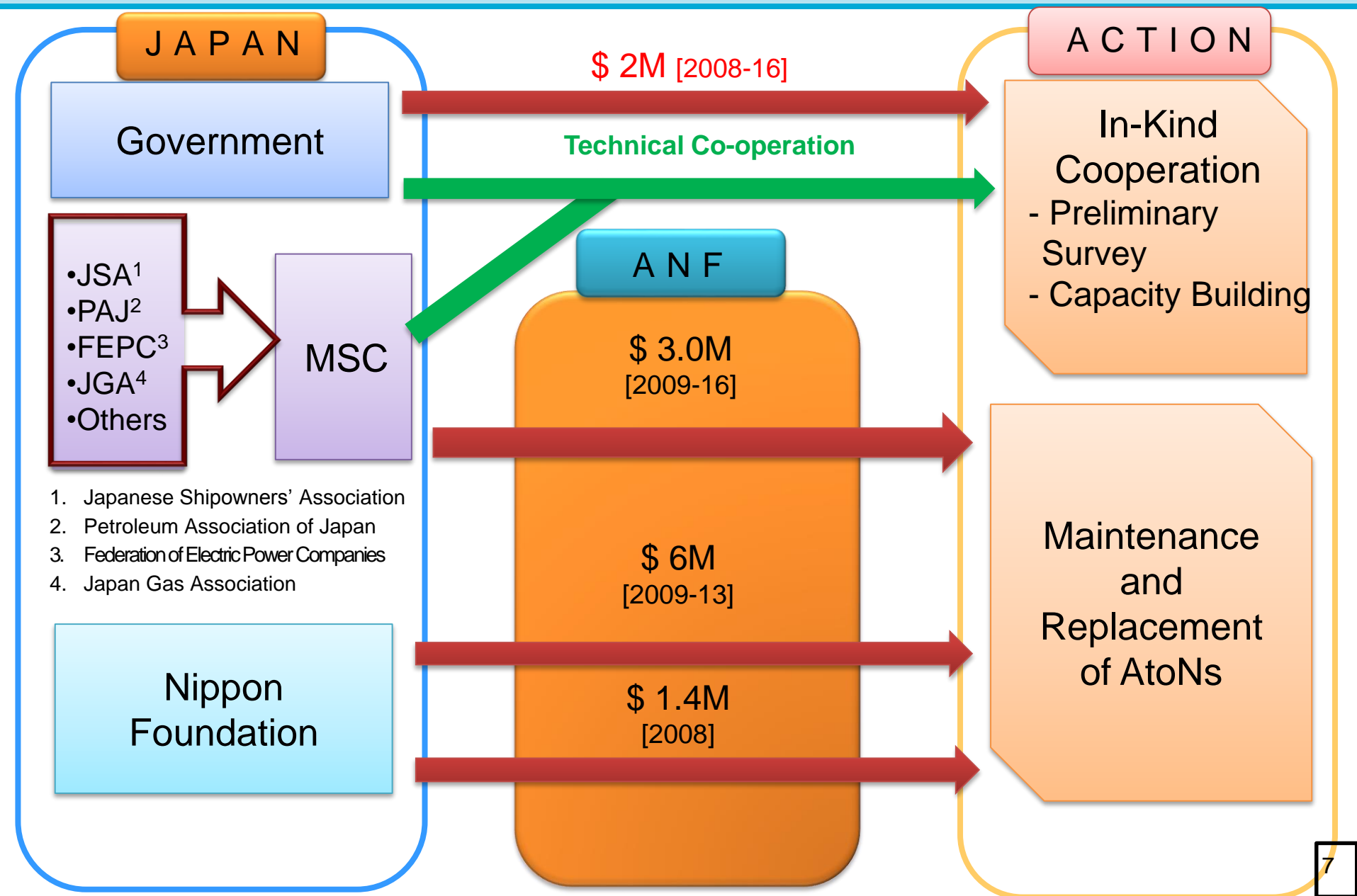
- ✓ Donated 10 AIS class B transponders
- ✓ Assessed reliability of AIS class B transponders

➤ **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

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 17 sites since 2009

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



At the entrance of MATRAIN



Lecture

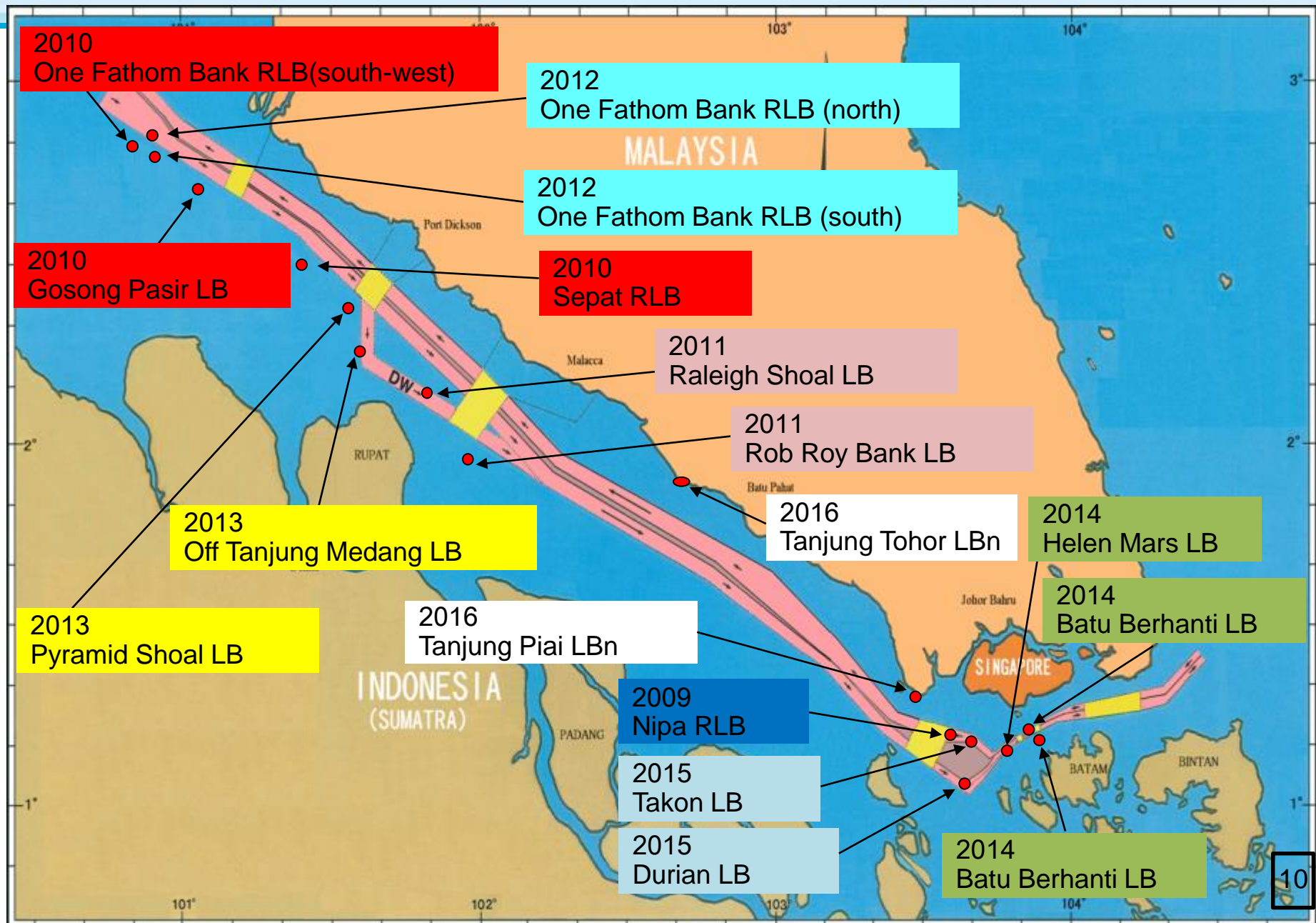


VTS Center



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.

Timeline

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

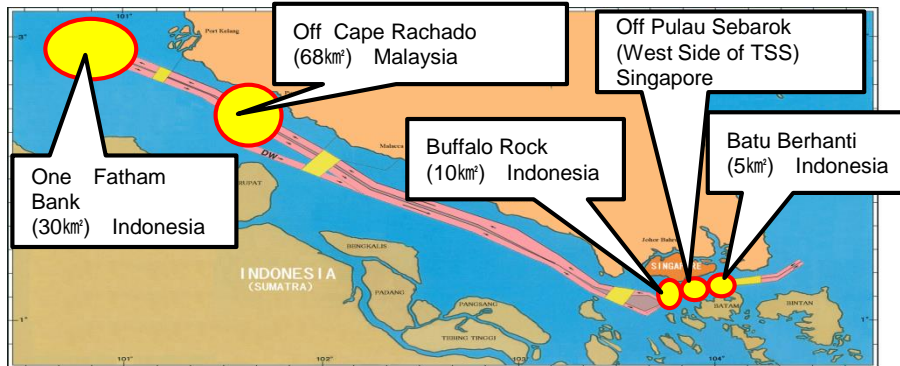
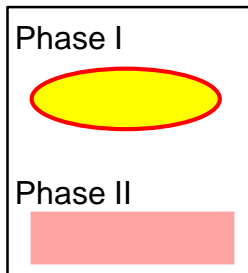
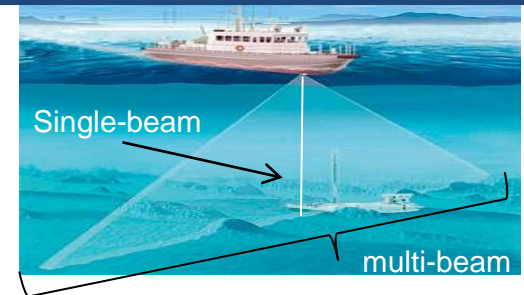


Image of the Joint Hydrographic Survey



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