

Japan's international cooperation for preparedness and response to Oil/HNS spill incident

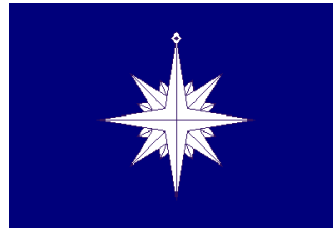


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History of Japan Coast Guard (JCG)

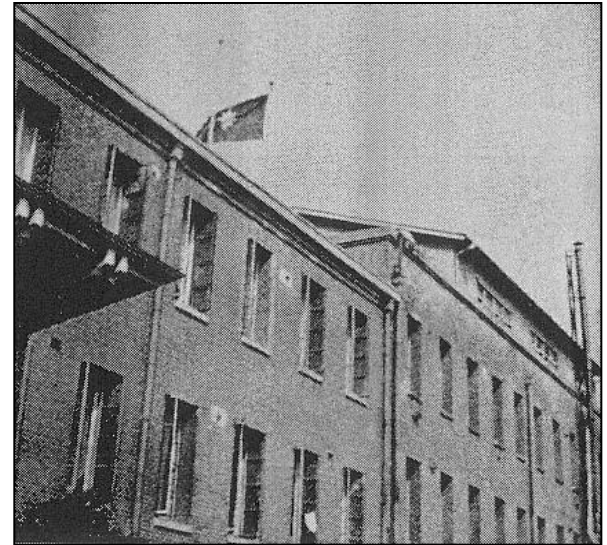


JCG official flag

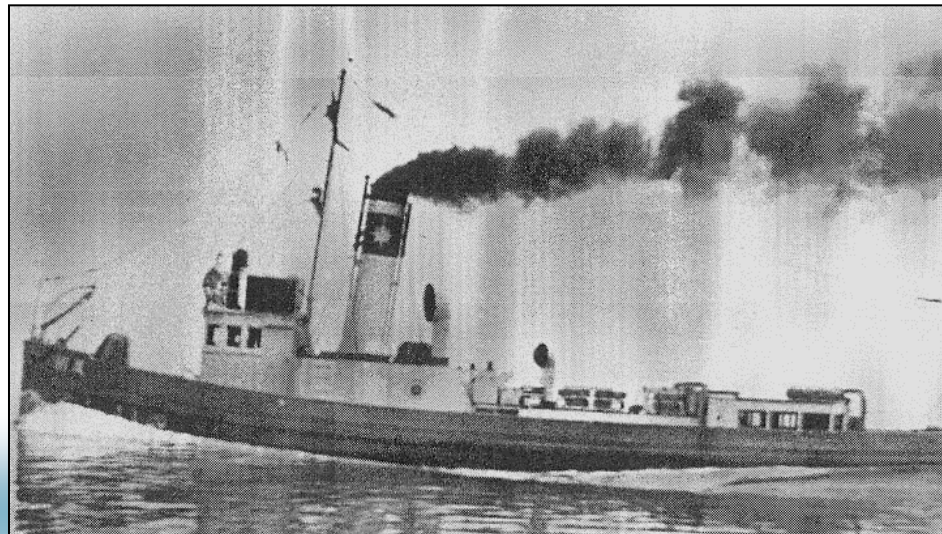
1948



The First Commandant, JCG
Admiral OKUBO hoisting JCG Flag
on the JCG HQs Building



JCG HQs
Building



Wooden
Patrol Ship

History of Japan Coast Guard (JCG)



JCG Headquarters



Super
Puma



2014

PLH31
SHIKISHIMA



Gulf Five



PL51
HIDA





Oil spill incident

Hazardous and Noxious Substances incident

Maritime fire

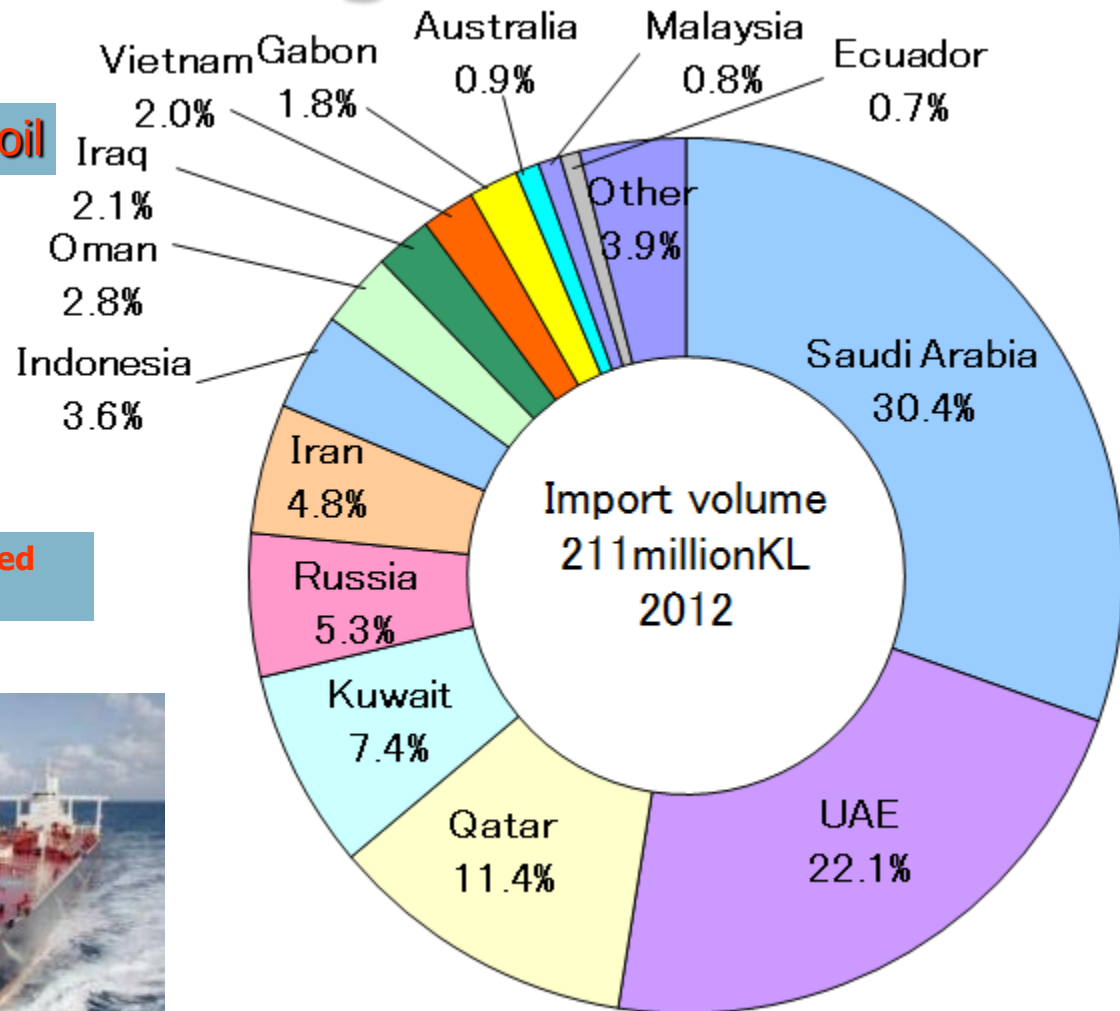
National Strike Team
JAPAN COAST GUARD

Always Ready



Background

Import volume of Crude oil

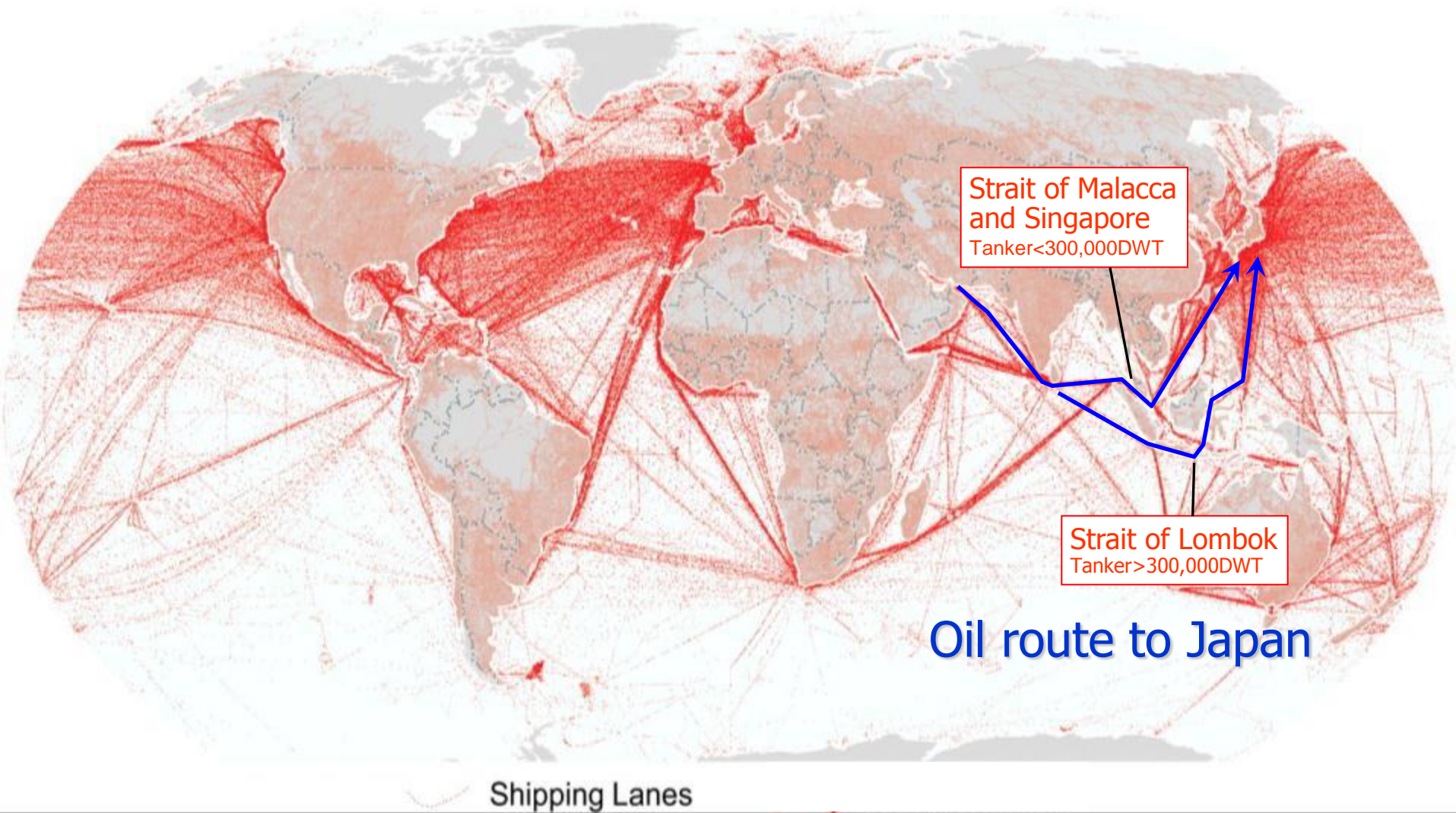


80% of crude oil imported from the middle east



Adapted from the statistic by Ministry of economy, Trade and Industry, Japanese Government

Shipping Lanes around the world



Shipping Lanes around the world 2012



Donors

Public sector

Ministry of Foreign Affairs (MOFA)

- Preparation diplomatic strategy and ODA policy



Japan International Cooperation Agency (JICA)

- implementation of ODA Loan Project Training course



Other Ministries Project



Private sector

① Petroleum Association of Japan (PAJ)

- Granted from JG subsidy



② Nippon Foundation (NF)

- Earning from Boat race



③ Ocean Policy Research Foundation (OPRF)

- Granted from NF



④ Japan association of marine Safety (JAMS)

- Granted from NF, etc.



⑤ Japanese Shipowners Association



Historical fact of securing the safety of Malacca Str.



**Insurance
Association
of Japan**

Year	Project		Contents	Budget
1968 - 1999	Installation of aid to navigation		30 light houses along M & S Straits	28 mil US\$
1970 -	Maintenance of aid to navigation		Provided technical assistance and boats	26 mil US\$
1969 - 1996	Survey of tide and hydrographic		Surveyed of tide and hydrographic and prepared of nautical charts	35 mil US\$
1973 - 2003	Donation of ships		Donated 3 buoy tenders and 1 oil recovery ship (1973) for costal states	22 mil US\$
1972 - 1978	Removal of sunken ships		Removed 4 sunken ships	14 mil US\$
1979	Dredging		Dredged shallow place off Singapore	10 mil US\$
1980-	Funds for Oil spill response		Set up a foundation for oil spill response	5 mil US\$
1990 - 1996	Stockpile bases in combating oil spill		Built stockpile bases in combating oil spill in six (6) states	10 mil US\$

Source: website of the Nippon Foundation



IMO Cooperative Mechanism in the Straits of Malacca and Singapore



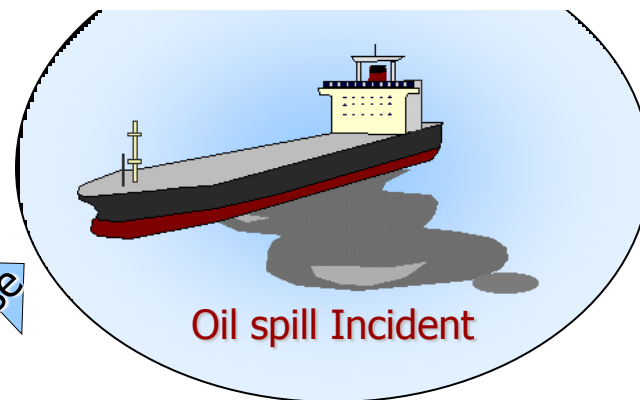
Funds for oil spill response in Str. M & S in initial stage (1980)



In case of a tanker

P & I Insurance

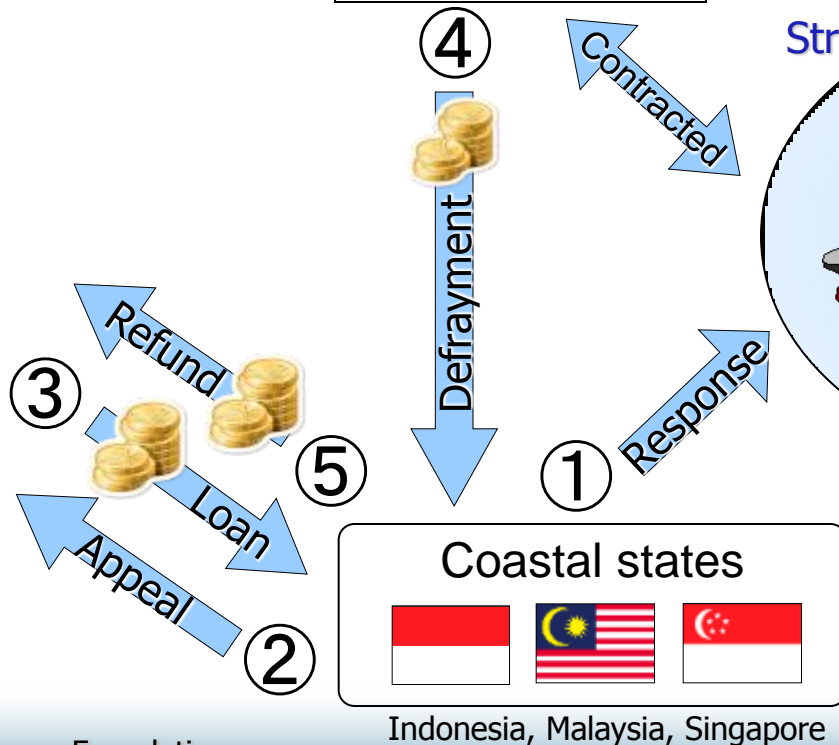
Straits of Malacca & Singapore



Oil spill Incident



Managed by costal
states in
quinquennial (5yrs)
rotation



Source: website of the Nippon Foundation

OSPAR Program 1990 - 1996

Co-Operative Project on Oil Spill Preparedness and Response in Asia

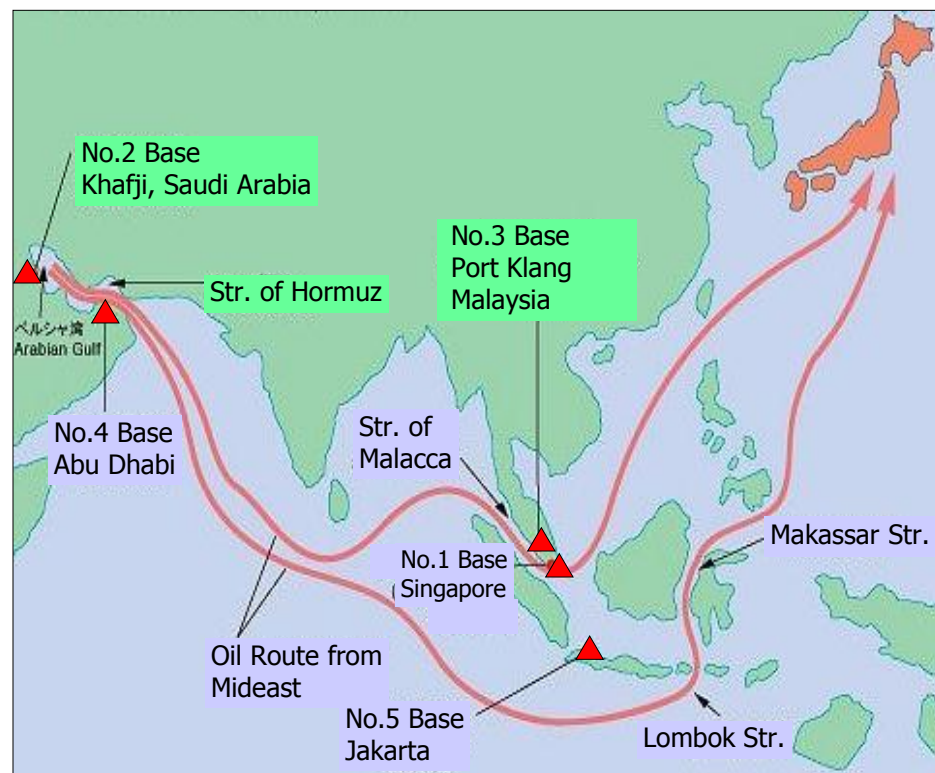


Stockpile Bases (Budget: 13 Mil US\$)

State	City	Type	Quantity
Brunei	Muara	Oil boom	1,450m
Indonesia	Balikpapan	Oil boom	1,750m
		Skimmer Spreader	2 5
Malaysia	Portklung	Oil boom	1,600m
	Penan	Skimmer	12
	Labuan Johor Bahru	Skimmer Spreader	4
Philippines	Manila	Oil boom	2,300m
	Cebu	Skimmer	1
	Davao	Spreader Dispersant	1 7 kl
Singapore	Singapore	Oil boom	400m
		Skimmer Spreader	1 26
Thai	Songkhla	Oil boom	3,500m
		Skimmer Spreader	3 2

Capability of oil spill response in SE Asia up  25 %

Overseas Stockpile base 1993 -



Source: Petroleum Association of Japan

Equipments in ASEAN Region

Place		Singapore	Malaysia	Indonesia
Year of foundation		1993	1994	1996
Oil boom	Hi-sprint 1	—	—	1,000m
	Hi Sprint	—	750m	—
	Ro-Boom	1,000m	750m	—
Oil recovery skimmer	Desmi 250	—	—	—
	Desmi Combination	3	1	—
	GT-185-6	—	—	4
	Lamor LWS50	1	3	—
Beach cleaner	Power Vac	—	—	2
	Mini Vac	2	2	—
Fastank	9t (2000)	8	8	8

Record (12 cases)

Year	Incident	Request	Loan out
1995	MV Sea Prince	ITOPF	O/B, skimmers,
1996	Oil tanker	Scandinavian PI	O/B, skimmers,
1997	MV Evoikos	UK PI club	O/B, skimmers,
1998	Oil tanker	Abu Dhabi National O	O/B, skimmers,
2000	MV Natuna Sea	London PI	O/B, skimmers,
2002	Faul Europe	Scandinavian PI	O/B, skimmers,
2003	Oil tanker	Abu Dhabi National O	O/B, skimmers,

⋮

⋮

⋮

ODA Credit (Loan)



Indonesia (2006)

Type: Multi-Purpose Cutter

Quantity: 3

Affiliation: Directorate General,
Sea Transport (DGST)

Budget: 19.6 Mil US\$



Philippines (2013-4)

Type: Radio communication system
: Multi-Purpose Cutter (40m)

Quantity(cutter): 10

Affiliation: Coast Guard (Department,
Communications and Transport)

Budget: 175 Mil US\$



ODA Technical Project



Philippines

1984 – (ongoing)

- JCG Officer stationed in Coast Guard (PCG)



Malaysia

1981 – (ongoing)

- JCG officer stationed in the Maritime Enforcement Agency



Indonesia

1973 – (ongoing)

- JCG officer stationed Directorate General of Sea Transport (DGST)

Common Subject matter

- Holding seminars and workshops related various coastguard operations
- Lecturers & instructors consist of JCG officer (as JICA experts)



ODA Technical Project



Sri Lanka

2014 – (ongoing)

- JCG Officer will be dispatched in Sri Lanka Coast Guard

Common Subject matter

- Holding seminars and workshops related various coastguard operations
- Lecturers & instructors consist of JCG officer (as JICA experts)



ODA Capacity building



SAR & Disaster Prevention Training Course

Since: 1970 – ongoing

Duration: 2 months (once a year)

Venue: Japan (Yokohama, CGA, MDPC, etc.)

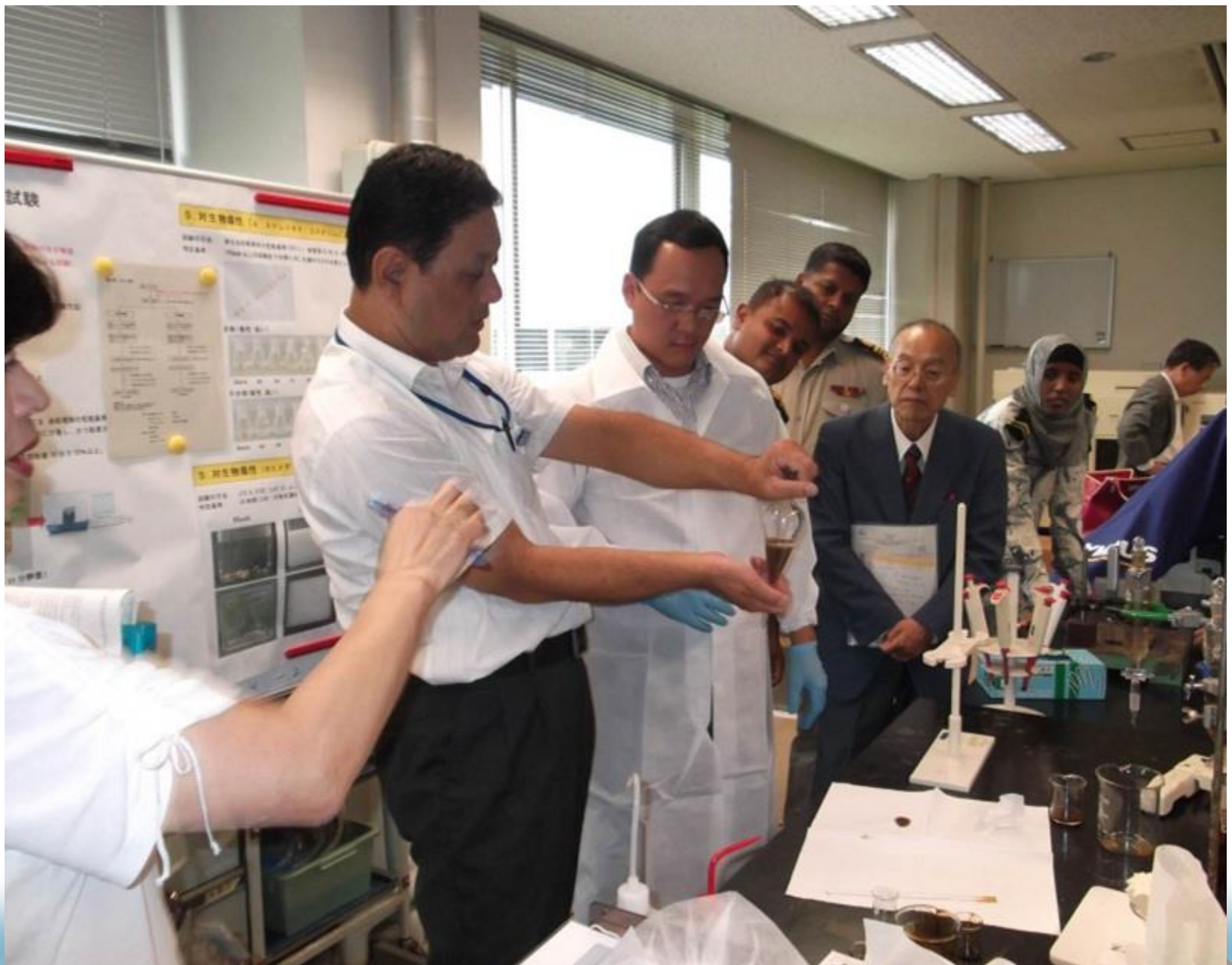
Program: SAR, oil spill response, practical operations

Achievements: 460 people from 47 states

**ASEAN: Philippines-52, Indonesia-64, Malaysia-61,
Thailand-30 (China-20)**



Training at the Maritime Disaster Prevention Center (MDPC)





Capacity building for ASEAN



2003-2005 "CMV Project" (Cambodia, Myanmar, Vietnam)

Strengthening the response structure for Oil spill accident

- Seminars on "Administrative concept and actual ways of managing oil spill combating and prevention"
- Training program in Japan for expert / on-site commander



Table top Exercise

Participants
Country:9
person: 694

2006-2009

Strengthening the response capability for HNS spill accident

- Seminars on "Establishment of required domestic Laws and Regulations"
- Training program in Japan for the team combating the marine pollution

Participants
Country:36
Person:144

2010-2013

Strengthening the response structure for HNS spill accident

- Seminars on "Establishment of systematic correspondence by developing the National Contingency Plan"
- Training program in Japan for expert / on-site commander (excluding 2013)

Participants
Country:37
Person: 75

Source: the Japan Association of Marine Safety

NPCGF (North Pacific Coast Guard Forum)



MMEX



Forum



Joint Patrol



Joint Oil spill Exercises

MARPOLEX



Marine Pollution Exercise by Indonesia, Philippines & Japan

"Sulawesi Sea Oil Spill Network Response Plan"

- Joint Exercise (every 2 years)



PCG buoy tender setting up oil boom (provided by OSPAR Program) on May 2013

NOWPAP



Northwest Pacific Action Plan by China, Japan, Korea & Russia

- Joint Exercise (every 2 years)
- Communication drill (every year)
- Desktop drill



Joint Exercise in 2010 (Japan & Russia)

Japan's Disaster Relief Activities around the world



Crude oil spill incident in Persian Gulf
Period: 48days (1991)
Persons: 8
Activities: oil recovery operated skimmers and oil boom



Crude oil spill incident in Korea
Period: 9 days (2007)
Persons: 5
Activities: Advice for recovery activities

Achievement
116 teams have been dispatched to 40 states.
Rescue Team - 17
Medical Team - 51
Expert Team - 35
(Oil spill response - 5)



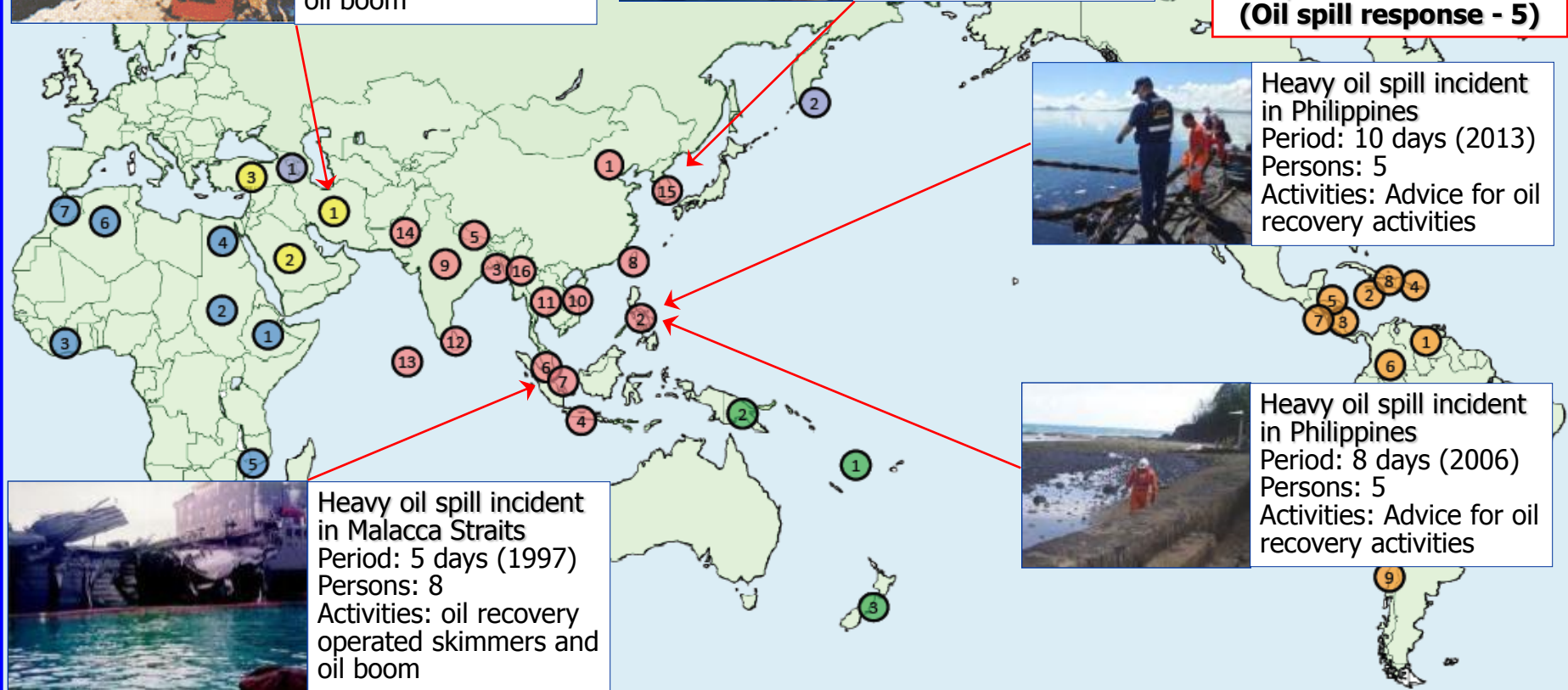
Heavy oil spill incident in Philippines
Period: 10 days (2013)
Persons: 5
Activities: Advice for oil recovery activities



Heavy oil spill incident in Philippines
Period: 8 days (2006)
Persons: 5
Activities: Advice for oil recovery activities



Heavy oil spill incident in Malacca Straits
Period: 5 days (1997)
Persons: 8
Activities: oil recovery operated skimmers and oil boom











Source: website of the Japan International Cooperation Agency (JICA)

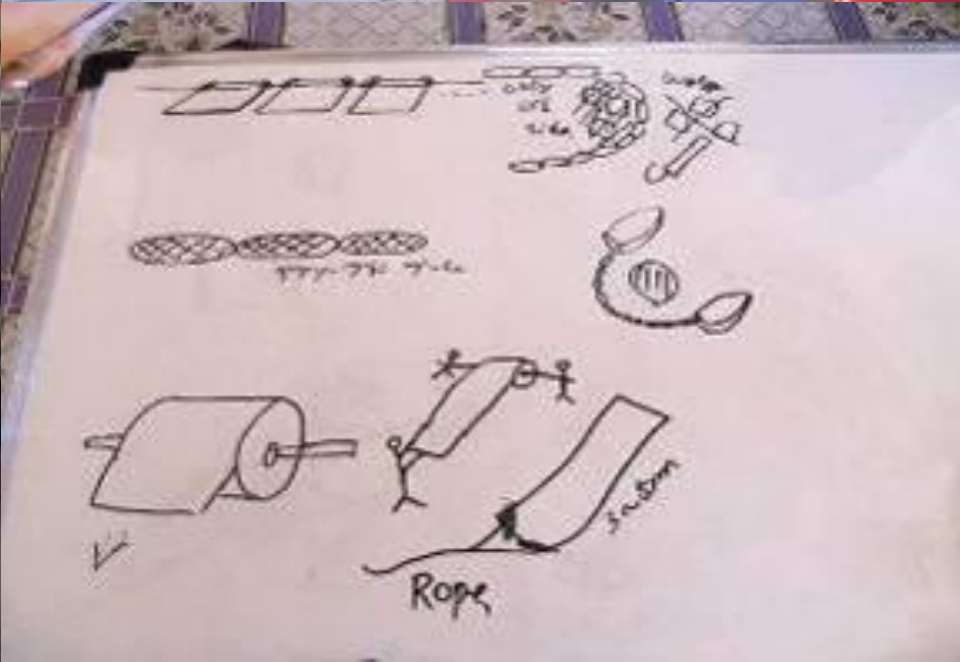
Japan's Disaster Relief Activity for typhoon damage in Philippines, 2013



Not shown the emergency relief loan  and aid supply  in the figure.

Joint Task Force 	Medical Team 	Expert Team (Disaster Rehabilitation) 	Expert Team (Oil Spill Response at sea) 
13/Nov – 18/Dec, 36 days	11/Nov – 12/Dec, 32 days	26/Nov – 19/Dec, 23 days	4/Dec – 13/dec, 10 days
Ground, Maritime and Air Self-Defense Force	Red Cross, doctors and nurses	Ministry of Land Infra, Transport and Tourism (MLIT), related organizations	COAST GUARD
airplane - 10 helicopter - 6 transport ship – 3 1,180 people	First batch 27 people Second batch 30 people Third batch 24 people	MLIT Water Agency JICA	JCG – 4 (HQs - 2, NST - 2) JICA – 1, total 5 people
Provided medical care 2,646 people vaccination 11,924 people epidemic prevention 95,600 m ² transportation relief goods 632 tons disaster Victim 2,800 people Police, Fire 2,900 people	Provided medical care 3,300 people	Provided technical advises for disaster readiness plan and city planning project.	Provided technical advises for oil spill response at the sea.
			





Thank you for your kind attention.

ご清聴ありがとうございます。