

【2021 PAJ Workshop by JCG】

Mission of Japan Coast Guard Under the COVID-19

Feb.22 2022

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Marine Environment Protection & Disaster Prevention Division



JAPAN COAST GUARD



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 - M/V WAKASHIO (Waters off Mauritius)
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(Waters off Hachinohe, Japan)
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- 3 Domestic response with Petroleum Association of JAPAN(PAJ)

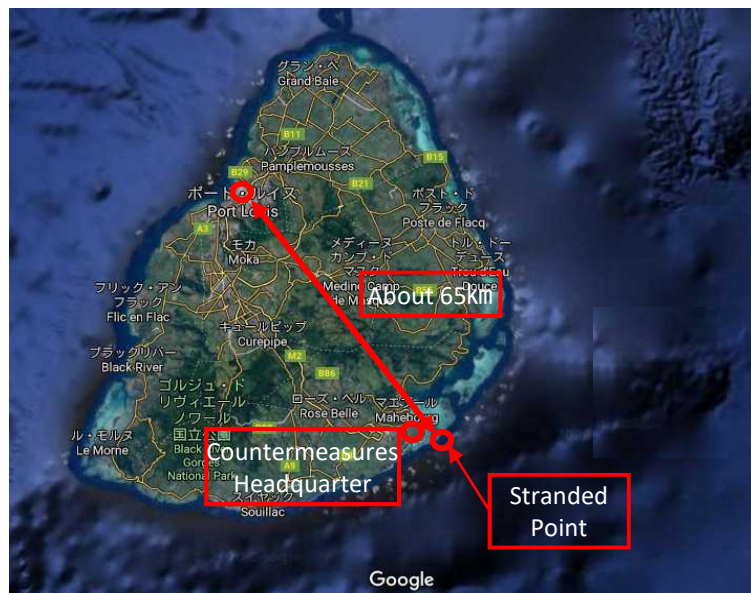
Outline of M/V WAKASHIO

【 Date and time 】 : Grounding at 1925 on July 25
(at 0025 on July 26 JST)

Huge fuel oil spill on August 6

【Site】 : Shallow water 0.9 nm off the SE coast of Mauritius
✂About 65km from the capital, Port Louis

【Status of Casualty】 : More than 1,000 tons oil out of 4,000 tons
spilled and washed ashore in mangrove



Vessel Particular



Ship's name : M/V WAKASHIO

Owner : OKIYO MARITIMECORP

Management Company :
Nagashiki shipping co.,LTD.

Operating Company :
Mitsui O.S.K Lines,Ltd.

Flag: Panama

Type of vessel : Bulk cargo

Long : 300m

Total Tonnage : 101,932tons

Number of crew : 20(Indian Captain)

Cargo : Non

Fuel oil :

C type heavy oil 1,546tons

A type heavy oil 129tons

Lubricating oil 4.3tons

※This ship was heading from China
to Brazil

Japan Disaster Relief(JDR) Expert Team Dispatch

【Period】 From departure to return: August 10~23 (14days)

Local activity: August 12~21 (10days)

【Timeline】 ※JST (Time Difference : -5h)

July 25 19:25 “WAKASHIO” ran aground off Mauritius

Aug 6 Huge fuel oil spill

GOV of the Republic of Mauritius requested assistance to GOV of Japan

Aug 9 14:00※ GOV of Japan decided to dispatch JDR Expert Team

Aug 10 10:20※Departure from Narita Airport

Aug 11 Arrival at Mauritius

Aug 12~21 Local activity

Aug 21 20:15 Departure from Mauritius

Aug 23 08:30※Arrival in Narita Airport



Delegation

Total 6 members: MOFA 1、JCG 4、JICA1

※ JCG: Headquarter 2, National Strike Team 2

Leader : Ministry of Foreign Affairs(MOFA)

Gomakubo Junji

Subhead : Director for International Marine Pollution Prevention,
Marine protection and disaster prevention division, JCG

Takechi Keiji

Subhead : Japan International Cooperation Agency (JICA)

Imai Ken

Expert : Special Assistant, international Strategy Division, JCG

Nagata Seiichiro

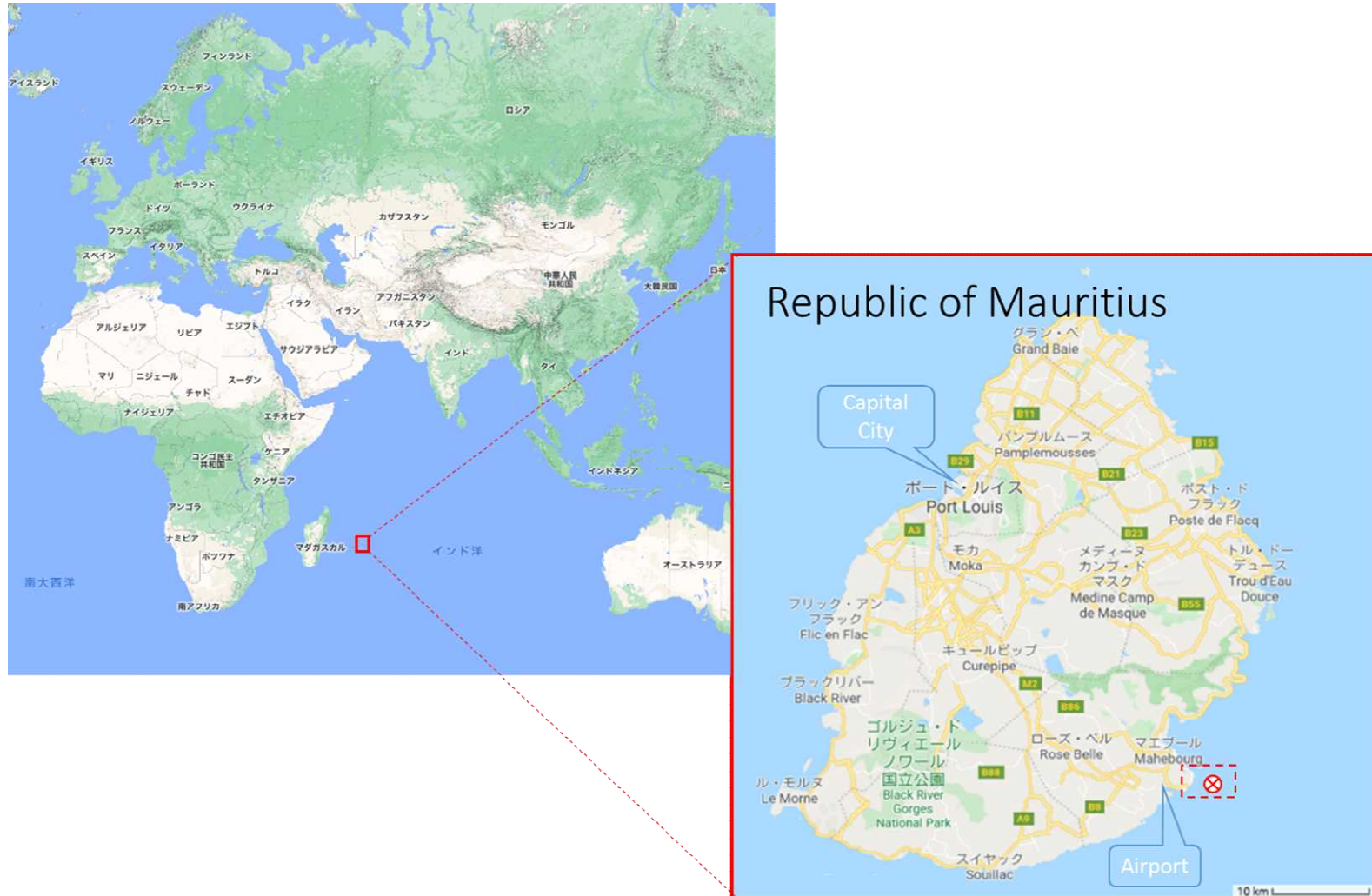
Expert : Head, National Strike Team, JCG

Otsuka Hisashi

Expert : Member, National Strike Team, JCG

Ito Tadakuni

Dispatch destination of JDR Team



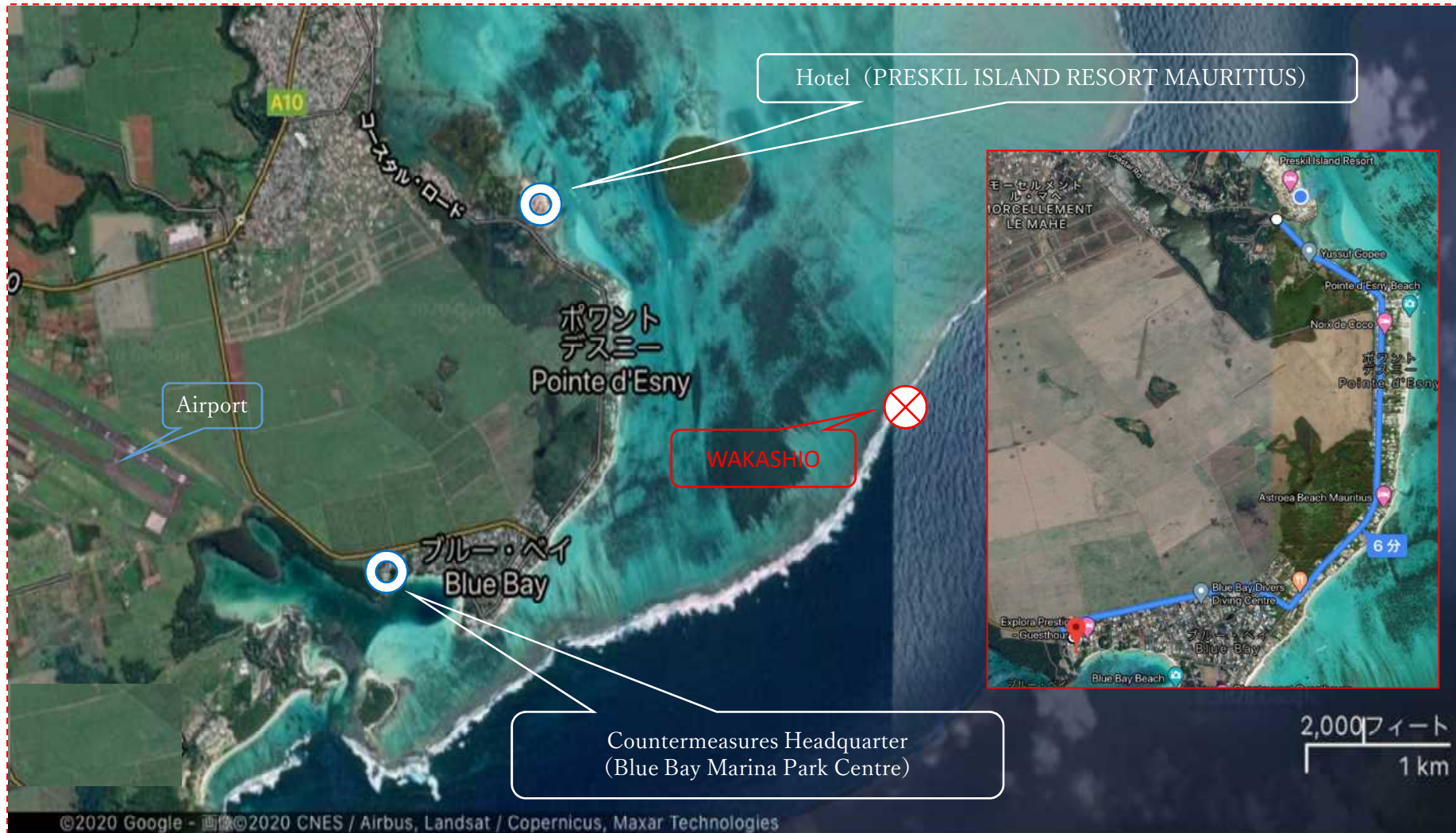
PCR Test/Antibody Test of COVID-19



Infections Measures against COVID-19



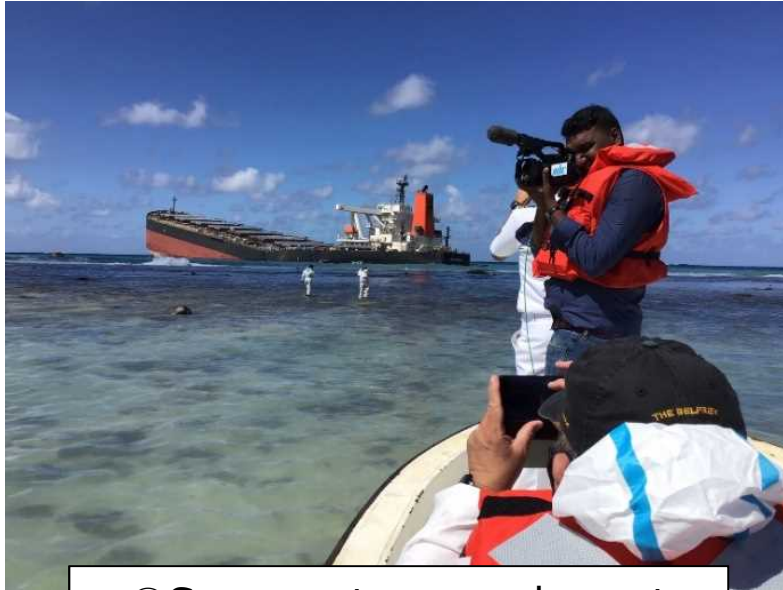
Base of JDR Team



Logistics Room



Main Activities in Mauritius



① Survey at sea and coast



② Public-private meeting



③ Lecture of Maritime Oil
Combatting Capability for MCG



④ Public Information

① Survey at sea and coast

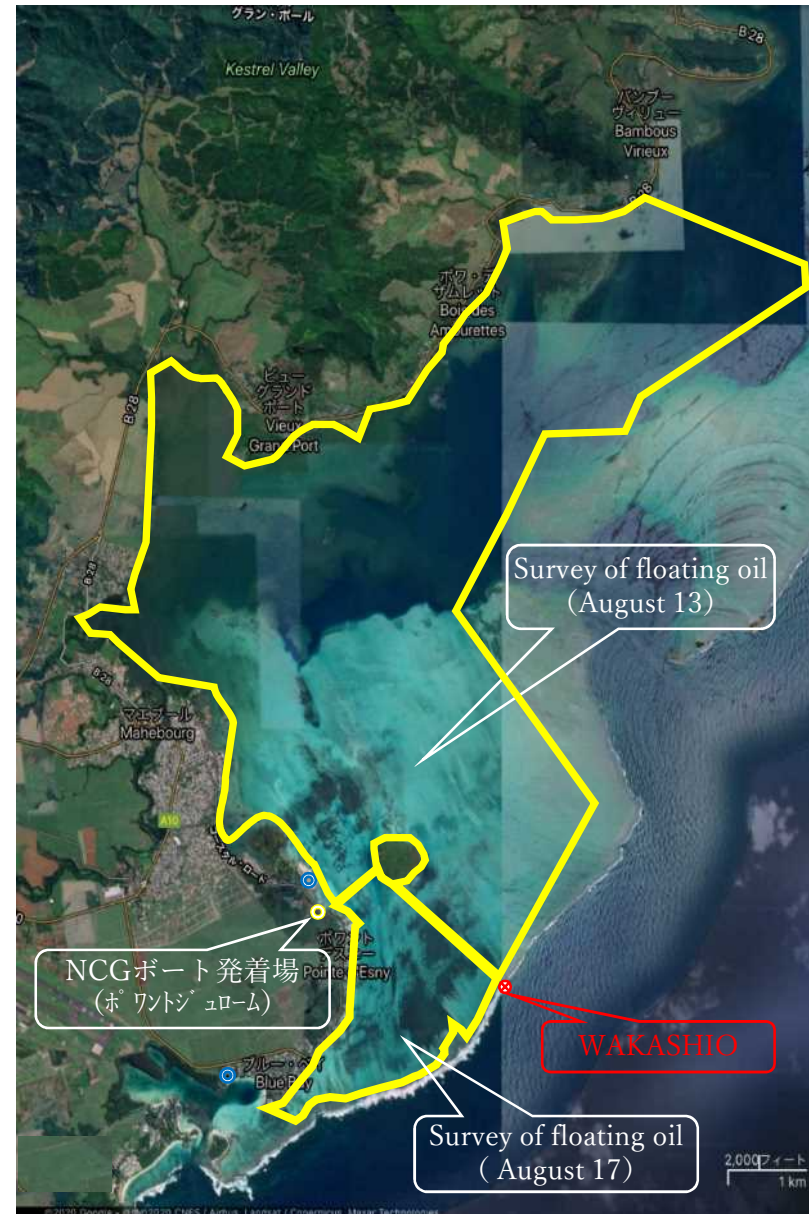
(1) Floating oil at Sea

【August 13】0945～1310

North sea area

【August 17】1350～1455

South sea area



Survey on August 13



Survey on August 17



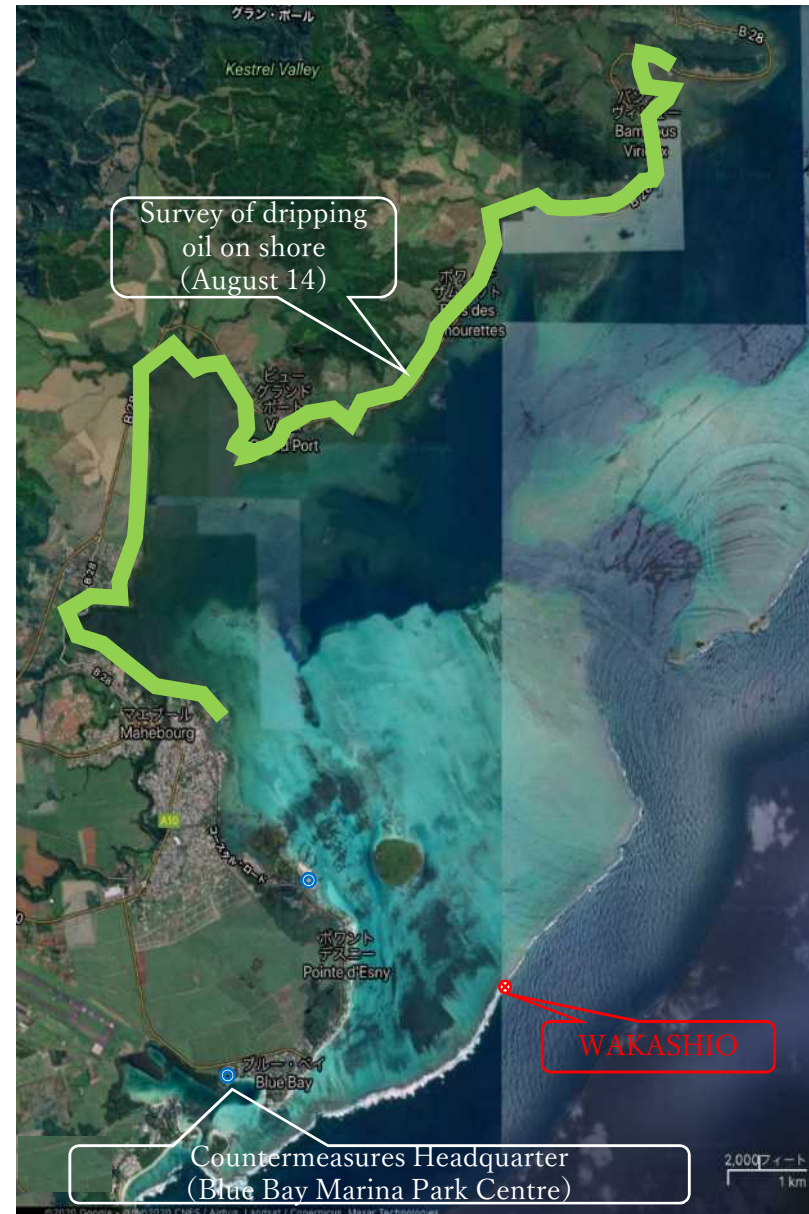
Inside Story of Survey on August 17



(2) Floating oil at coast

【August 14】0950～1340
North shore from WAKASHIO

Total 9 sites:
4 mangrove forests, 5 beaches



Survey on August 14



②Public-private meeting

【August 12—】

- (1) Public-private meeting
(Relevant ministries and agencies, Local government,
Private companies, and Foreign aid organization)
- (2) Security Organization Meeting
(Police, Fire fighting, and Coast guard)



Lecture for MCG



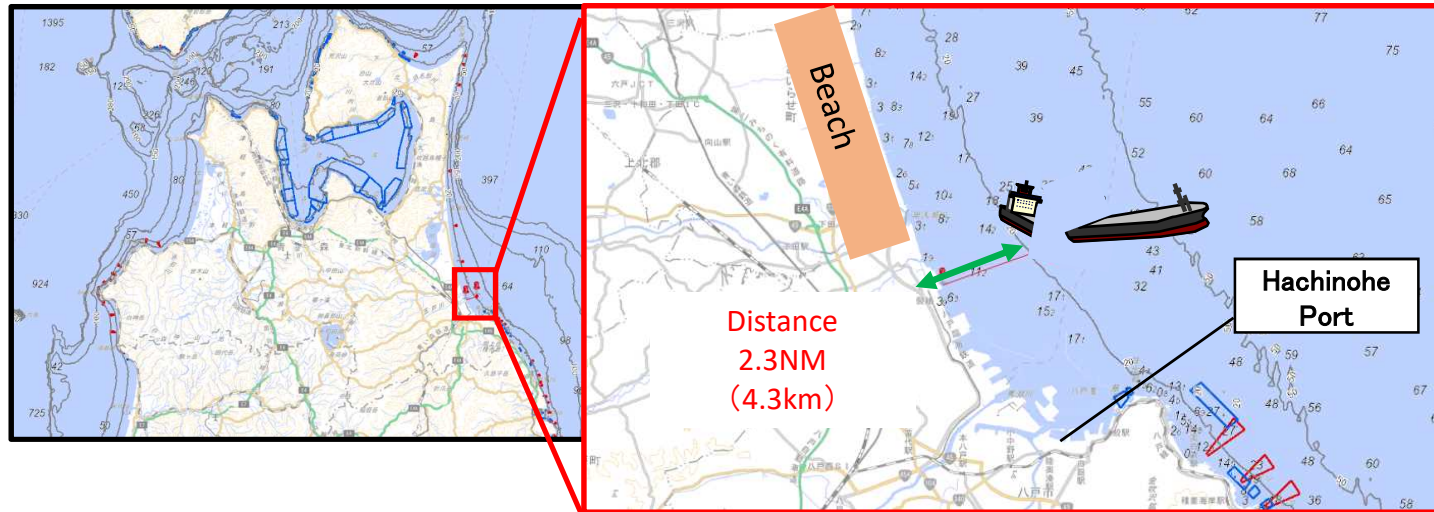
④Public information



News in Mauritius



Timeline of response



- 11th 0354 Anchored out of port
- 0735 Grounding
- 0815 Refloat and Crack
- 1415 JCG started pick-up operation by Helicopter
- 1853 Rescue finished
- 12th 0415 Starting split in two
- 1300 Public-private meeting for oil spill prevention

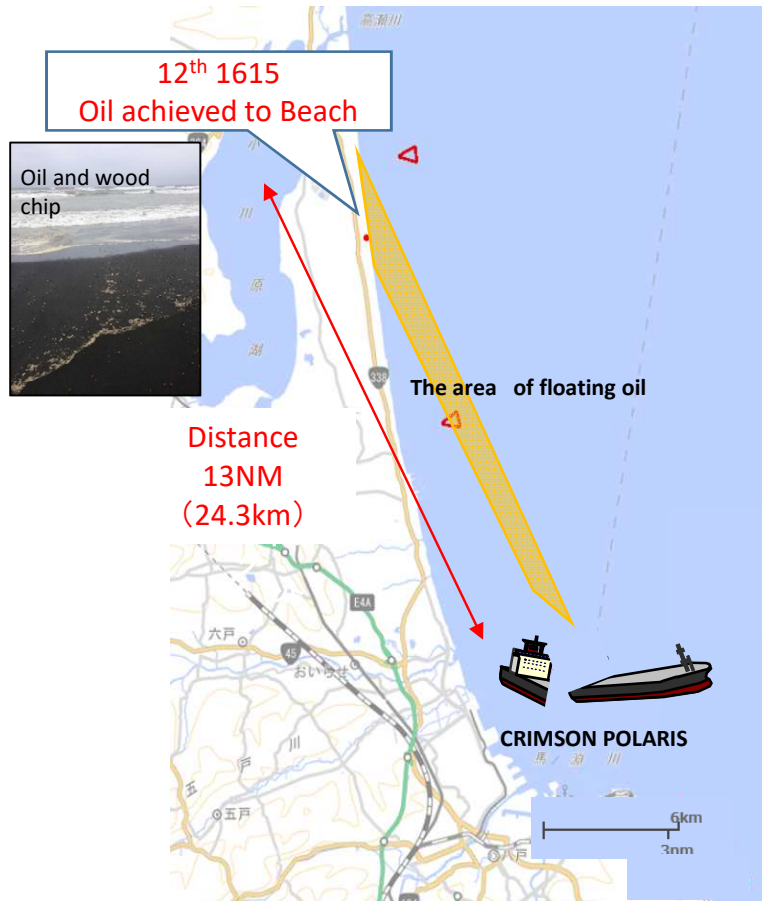
Public-private meeting



※ Some of the spilled oil drifted the beach and fisher area.

Fuel oil spilled area

“Spreading of spilled oil from the ship”



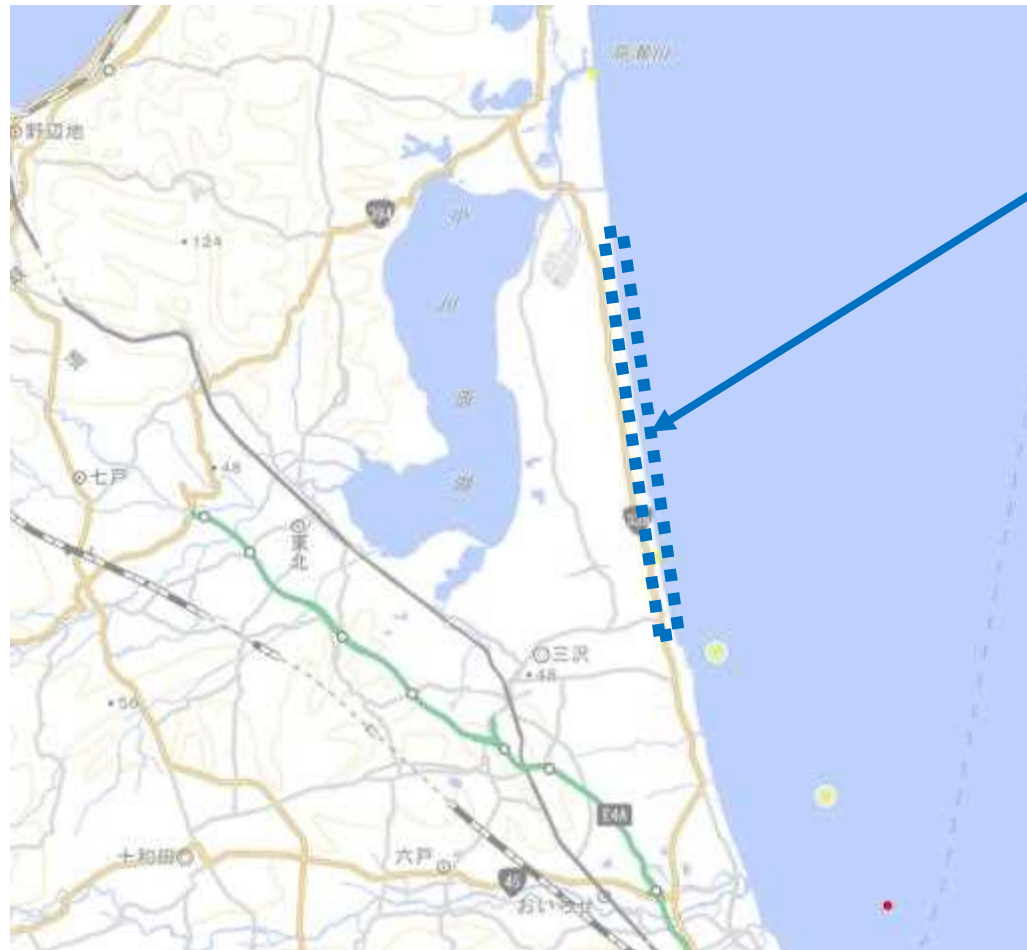
“Oil dispersing by vessel”



“Assessment of spilled oil by drone”



Oil spill response on the coastline



Condition of oil spill combating

August 13, 14
Coastal cleanup by beach cleaner vehicles of MDPC and human power
MDPC: Maritime Disaster Prevention Center



Ship Condition

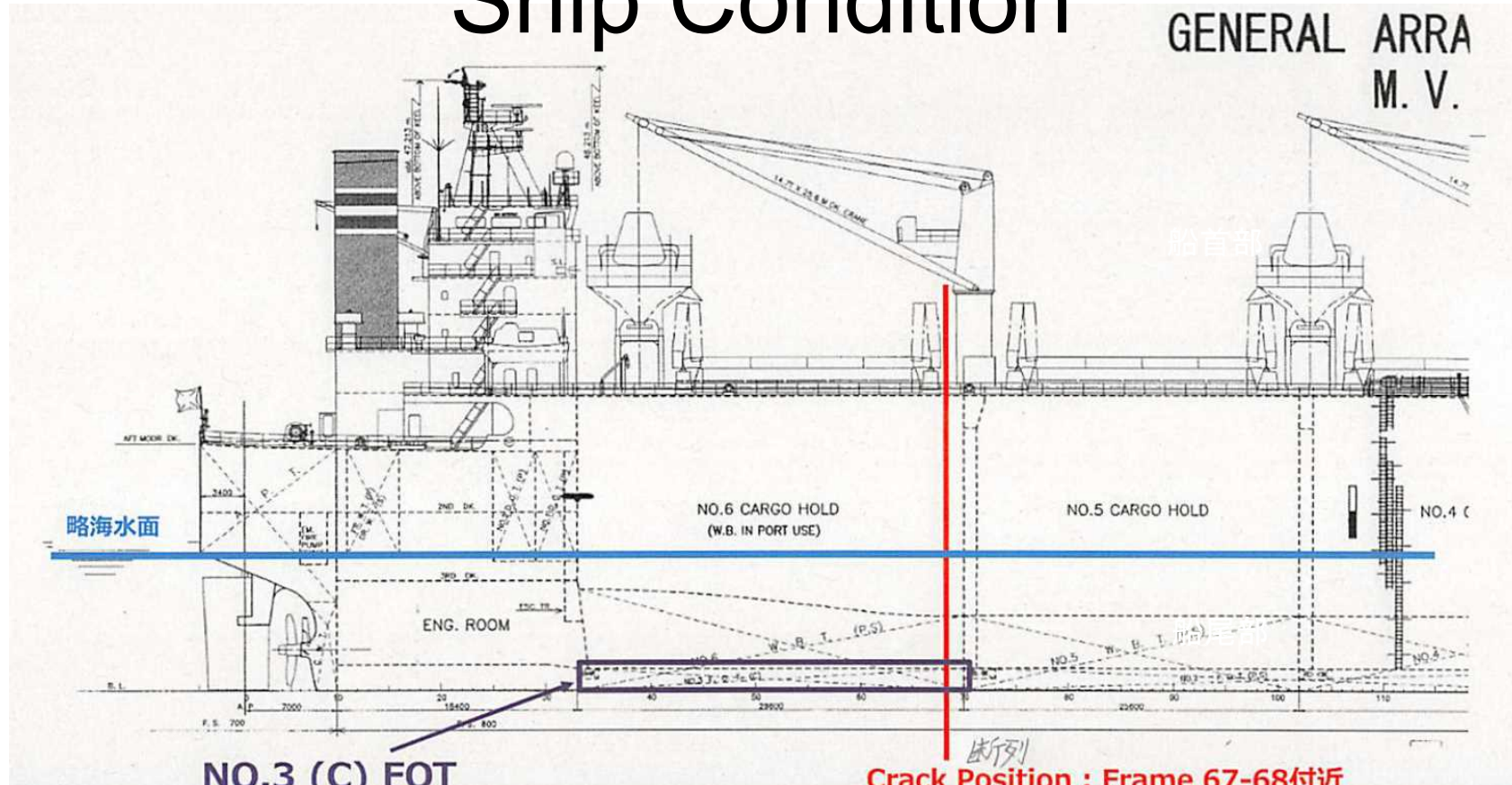


Figure : NYK

The outline of National Strike Team

【Outline】

- National Strike Team is the special team that has expertized knowledge and skills for dealing with oil and HNS spill incidents caused by maritime accidents, natural disaster.
- This team was established in 1995.

【Organization】

Head

Coordinator



National Strike Team

- 4 teams
- 1 team consists of 4 members)



【Activity results by NST】



Advices on oil spill response



Gas detection in a ship



Dealing with fire on a ship



Technical cooperation toward foreign county's Coast Guard officers

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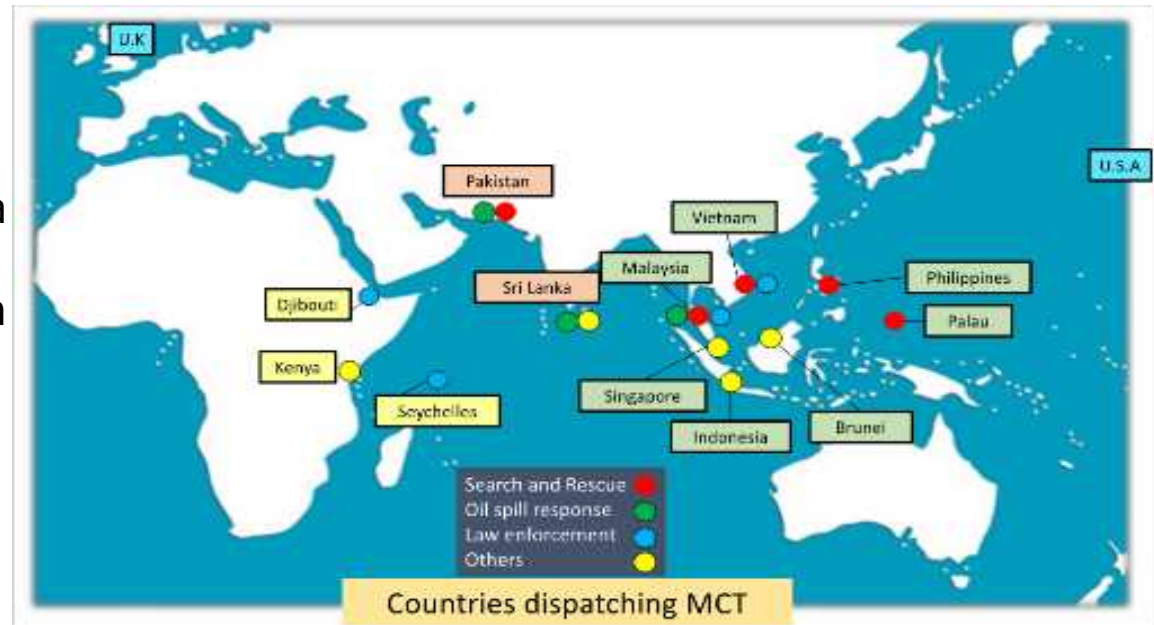
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International Cooperation in Asia

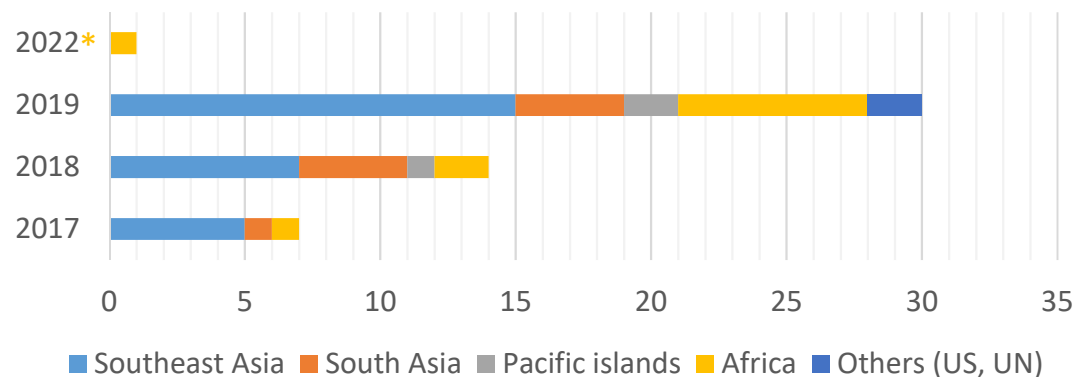
- JCG has dispatched MCT members to 14 countries in the Southeast Asia, South Asia, Pacific, Indian Ocean, East Africa regions and totally 52 times since its establishment of MCT in Oct 2017. (As of Feb 2022).
- NST has worked together with MCT on oil spill response trainings in many countries.

NST: National Strike Team
MCT: Mobile Cooperation Team

- Contents of Capacity Building are mainly as below
 1. Oil Spill Response Training
 2. Rubber Boat Training
 3. On-site Inspection Training
 4. Arrest Technique Training
 5. Search and Rescue Training



Number of MCT dispatch to foreign countries



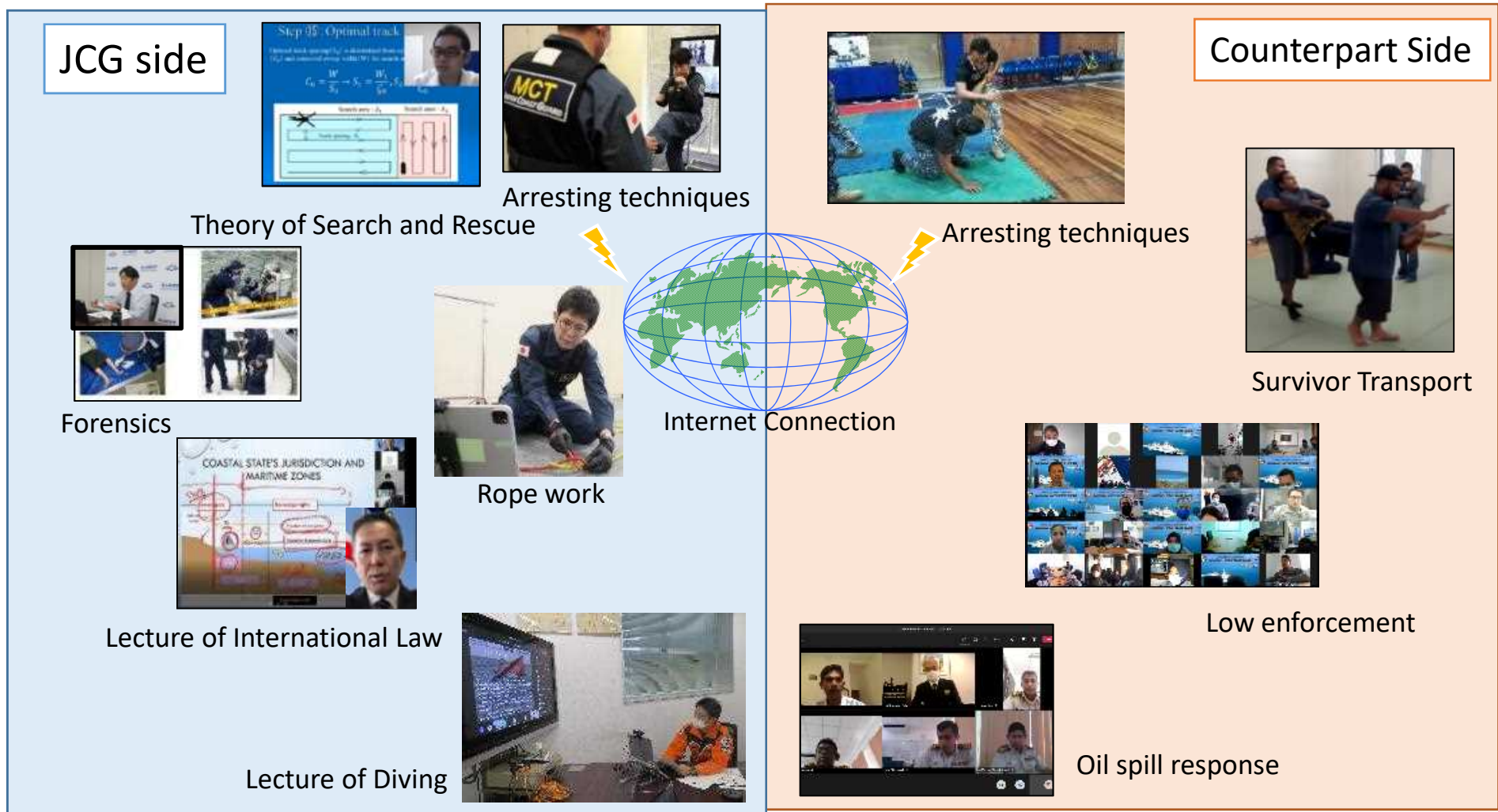
*JCG resumed MCT dispatch in January 2022 after 2 years suspension due to Covid-19 pandemic.

Main Contents

	Images	Content	Abstract
1		Oil Spill Response Training	<ul style="list-style-type: none"> •Lecture of oil property •Oil spill response equipment operation •On shore operation •Off shore operation
2		Rubber Boat Training	<ul style="list-style-type: none"> •Reaching/Leaving Pier •Trail tracking, side tracking •Touch & go •Sandwich regulation •Transferring •Ship boarding
3		On-site Inspection Training	<ul style="list-style-type: none"> •Basics of site conservation •Method of evidence sampling •Fingerprinting •photography •Simulated overall exercise
4		Arrest Technique Training	<ul style="list-style-type: none"> •Verbal control •Apprehension technique control •Role playing drill
5		Search and Rescue Training	<ul style="list-style-type: none"> •Survivor Transport Operation •Cardiopulmonary resuscitation (CPR) •Rope work •Vessel Towing Operation (lecture & training)

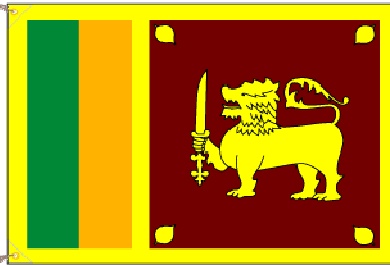
Activities under the COVID-19 pandemic

- JCG has conducted online lectures, seminars and trainings for 8 countries in the South East Asia, Pacific, Indian Ocean, East Africa regions and 1 organization and totally 18 times since 2020. (As of January 2022)



Technical Support to SLCG(Sri Lanka Coast Guard)

- JCG has provided Sri Lanka Coast Guard with technical training on marine environmental protection and maritime oil spill incident management based on the request from the government of Sri Lanka since 2013.
- MCT and NST conducted an online lecture for SLCG in Oct, 2021 and gave guidance and advises for them in the comprehensive training led by SLCG dealing with crude oil spill accidents in Feb, 2022.



Marine Pollution Exercise (MARPOLEX)

Background

MARPOLEX is an oil spill response exercise conducted by Japan, the Philippines and Indonesia. MARPOLEX has been conducted every other years since 1988 in accordance with “Sulawesi Sea Oil Spill Response Network Response Plan” with a view to

- enhancement cooperation between Indonesia, Philippines and Japan .
- improvement of response capability in firefighting, rescue and oil spill recovery operation.

Exercise Contents & Flow

Tabletop Exercise

- Search and Rescue
- Firefighting
- Oil spill recovery

Evaluation Meeting

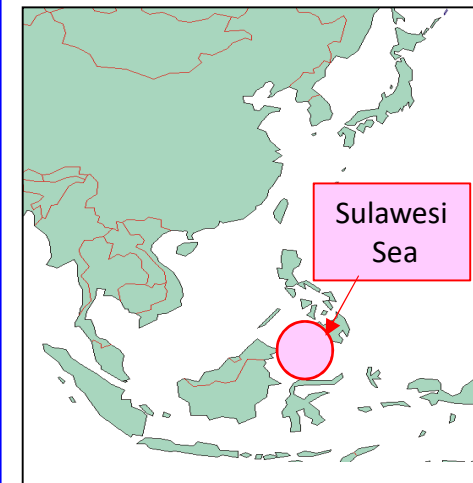
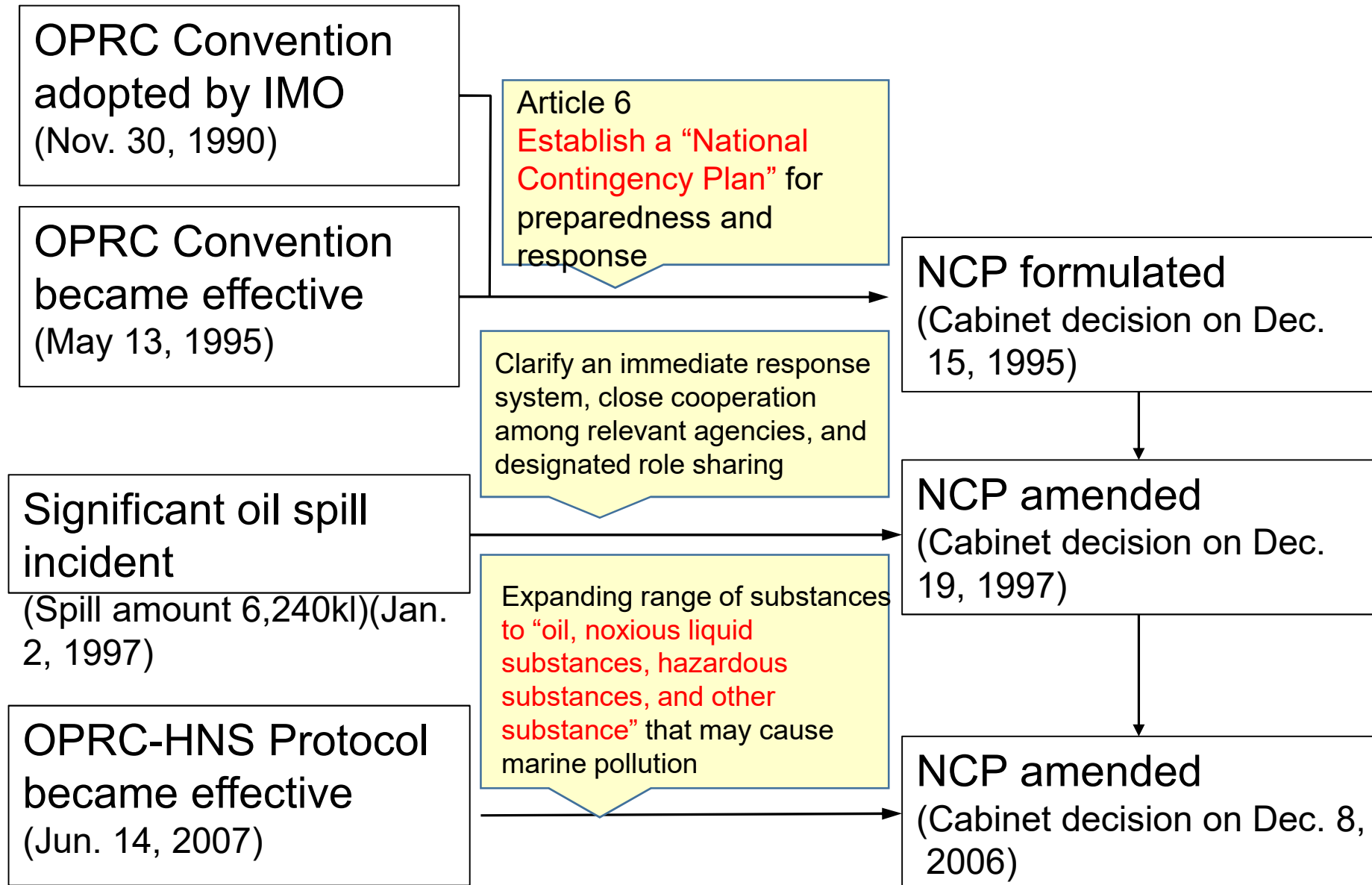


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Japanese National Contingency Plan



Large-scale Disaster in Japan

Year	Disaster	Type of Countermeasures
2017	Seasonal rain front and Typhoon No.3	N/A
2018	Heavy Rainfall in July	DCHQ
2019	Typhoon No.19	DCHQ
2020	Heavy Rainfall in July	DCHQ

DCHQ: Disaster Countermeasures Head Quarter

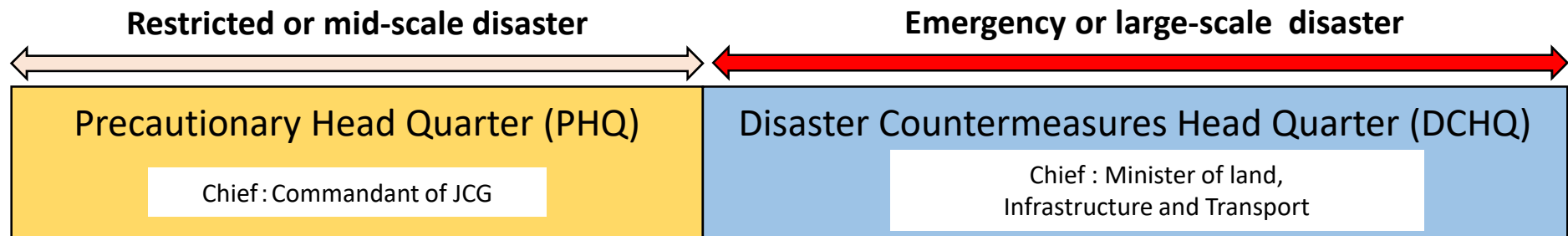


→ In recent years, Japan has experienced large-scale disasters.

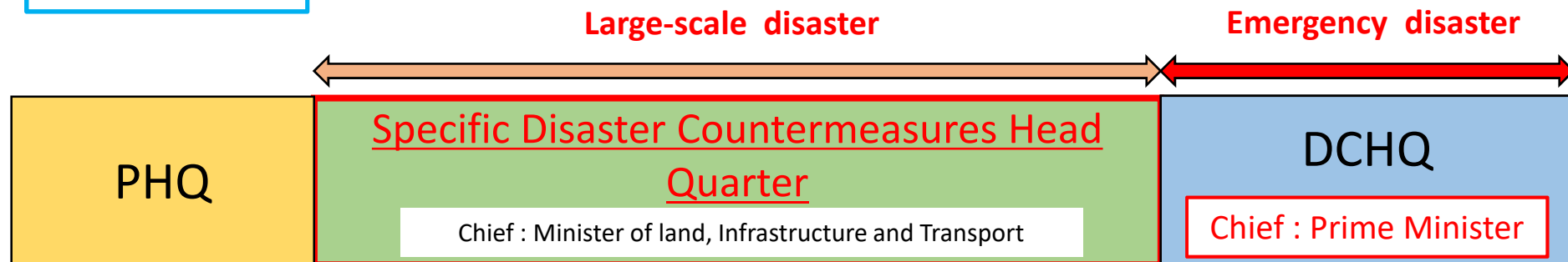
Amendment of NCP

Cabinet decision on May 25, 2021

Before



Present



Preparing for major oil spills



Equipment Stockpile Bases of Petroleum Association of Japan

- ① Tokyo Bay (Sodegaura, Chiba)
- ② Seto Inland Bay (Kurashiki, Okayama)
- ③ Ise Bay (Yokkaichi, Mie)
- ④ Fukuoka (Kitakyusyu, Fukuoka)
- ⑤ Hokkaido (Tomakomai, Hokkaido)
- ⑥ Hokkaido, branch Wakkanai (Wakkanai, Hokkaido)



Equipment Stockpile Bases (Hokkaido) (Source: PAJ)

Occurs in the sea around Japan

Occurs in domestic waters

NOWPAP

(North-West Pacific Action Plan)

Four-country framework for the response



METI



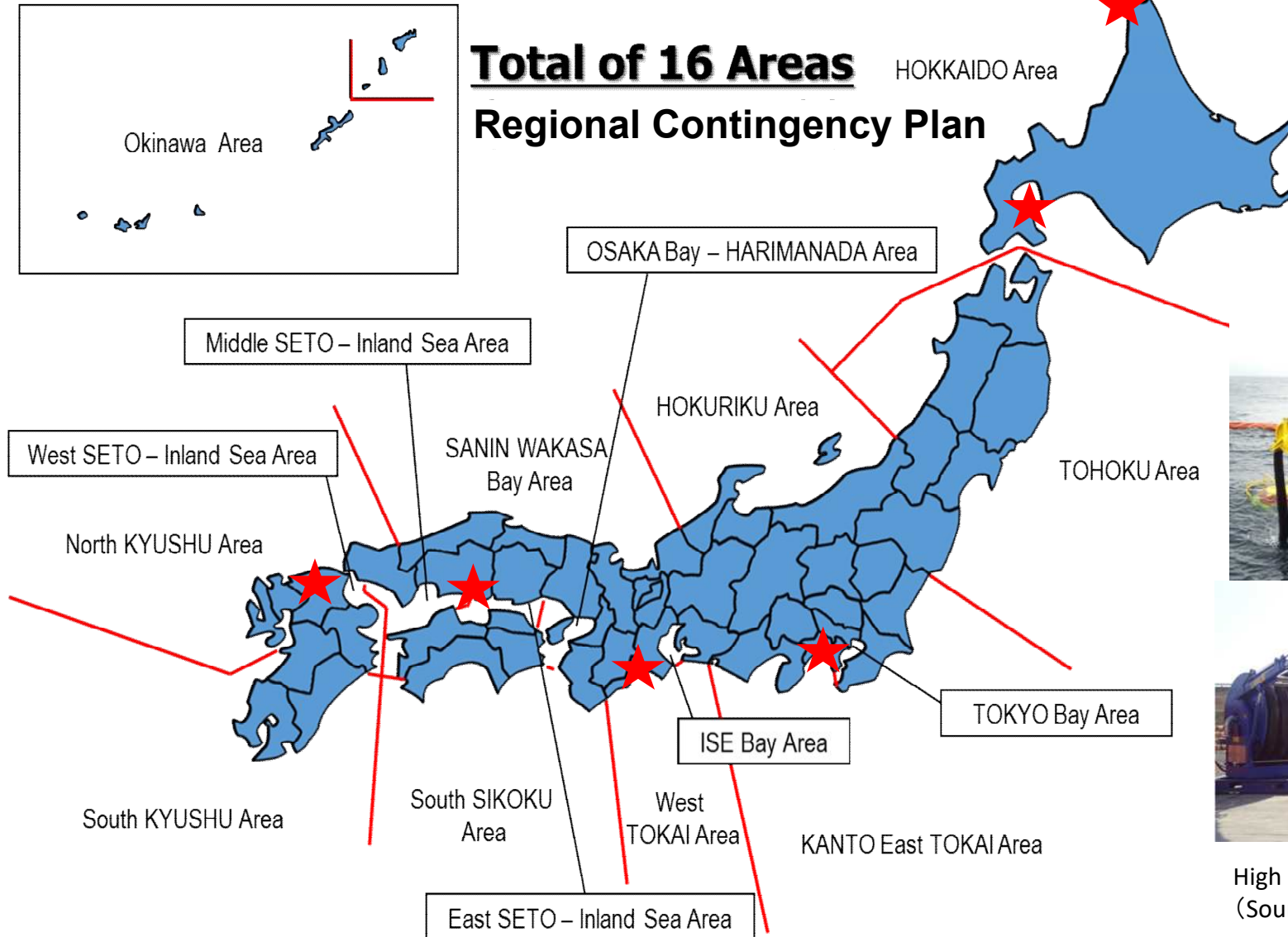
経済産業省



MDPC

Deployment of Equipment

★ : Equipment Stockpile Bases of PAJ (Total: 6 sites)



High Capacity Oil Skimmer (Source : PAJ)

Thank you for your attention!

