



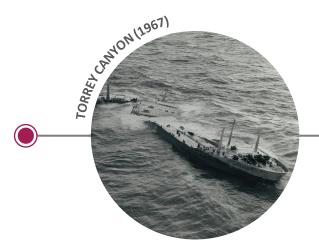


- TOPF Mobilisation
- o Response On-Site (SANCHI 2018)

- Claims Analysis & Damage Assessment
- Peacetime Activities



ITOPF BACKGROUND



1970-1980



1990-2000



1968: The International Tanker
Owners Pollution Federation is
founded to administer the TOVALOP

ITOPF develops its **technical services** through attendance of numerous **large tanker incidents**

ITOPF's services formally extended to **other types of ships**

Main Function

Today ITOPF's members and associates represent **90% of all ocean-going tonnage**

Technical advice on effective response to spills of oil, chemicals and other substances in the marine environment.

Primarily funded by the global shipping industry (annual fee), operating on a non-for-profit basis.

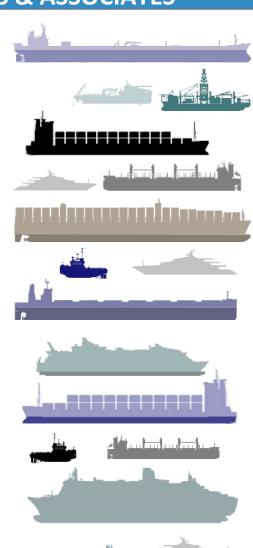
ITOPF'S SHIPOWNER MEMBERS & ASSOCIATES

















SPILL RESPONSE COMMUNITY & STAKEHOLDERS







































ITOPF BACKGROUND













20 RESPONDERS



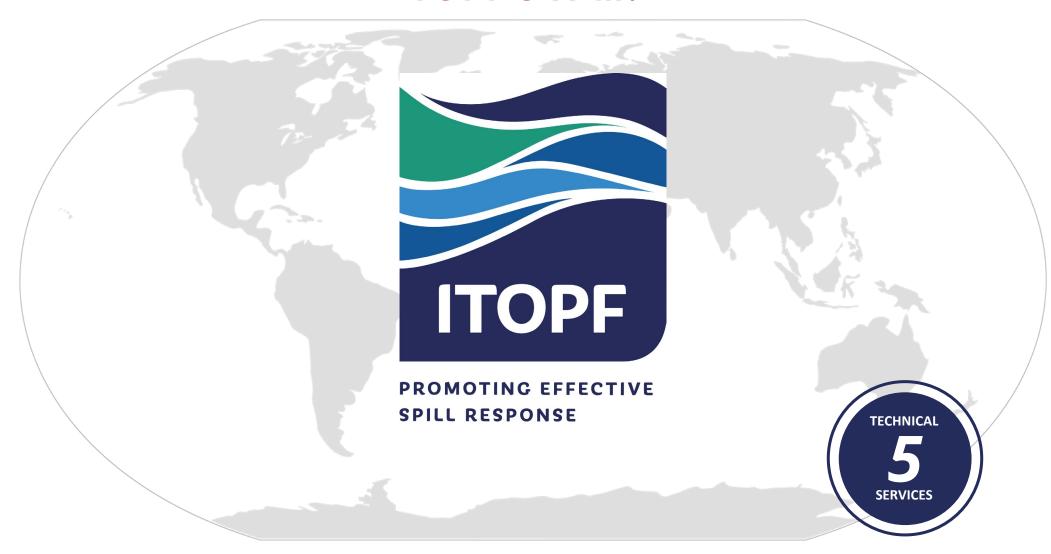
+44 (0)20 7566 6998.

(Please do not email for an emergency situation





ITOPF'S AIM:





ITOPF'S REMIT:



MINERAL & VEGETABLE OILS

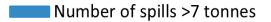
OTHER SUBSTANCES CARRIED BY SHIPS







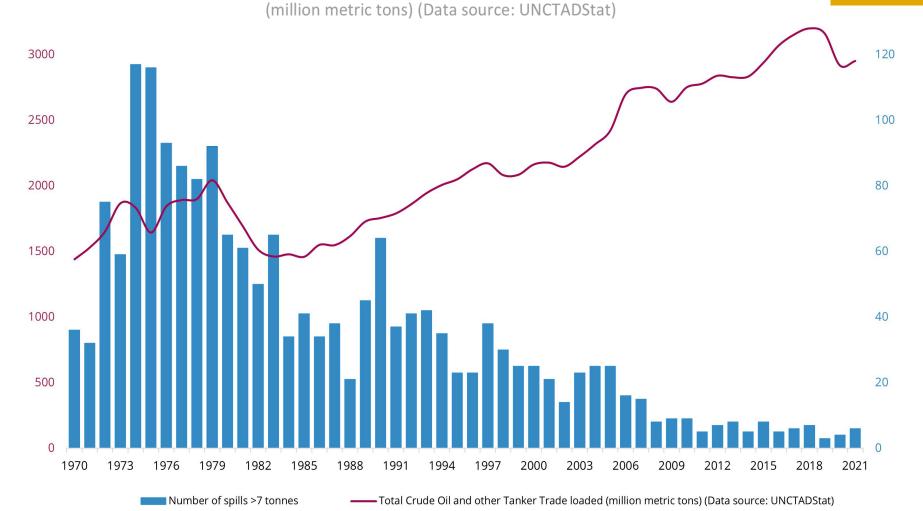




3500

—— Total Crude Oil and other Tanker Trade loaded

Tanker Spills vs Global Trade





SPILL RESPONSE

ITOPF's Initial Actions

Notification

Typically, via the vessel's P&I insurers, but can be through correspondents, surveyors, OSROs or national authorities.

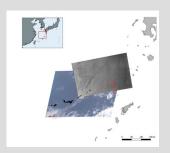


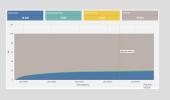
Evaluation

Preliminary assessment of likely extent of the pollution, it's probable behaviour, fate, potential impact and local level of preparedness





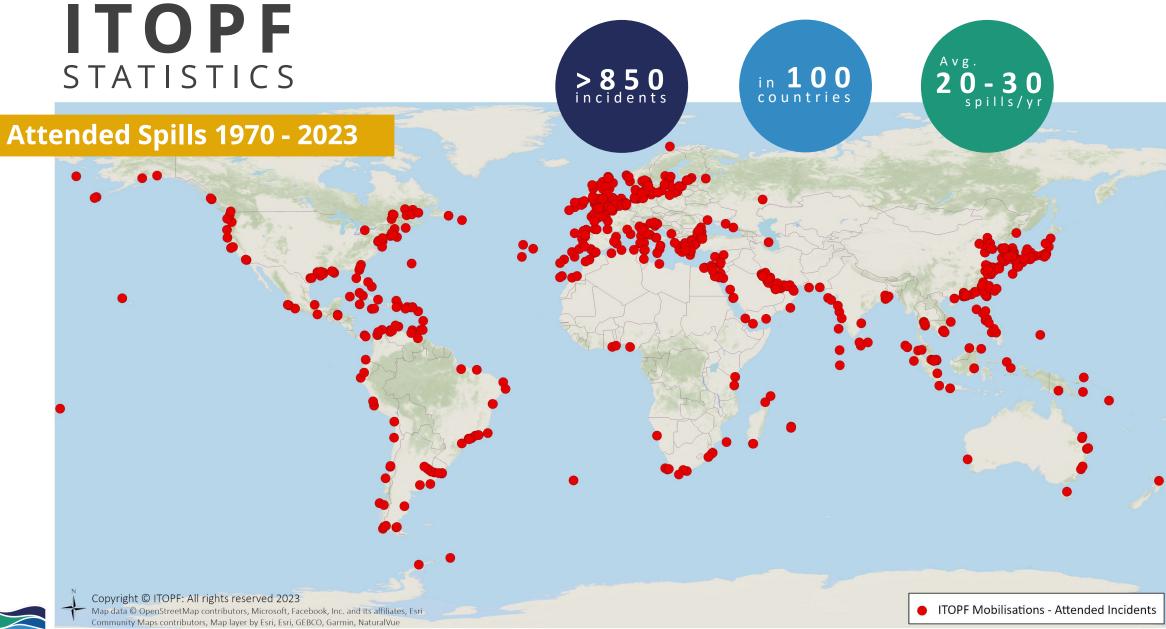












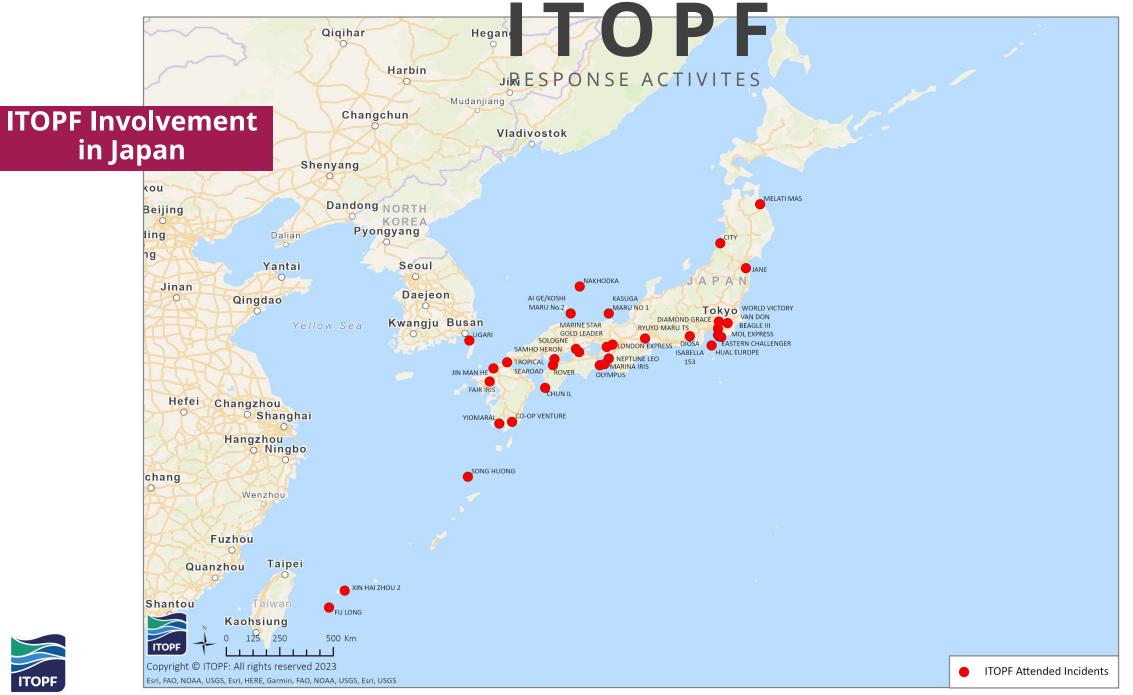




New incidents over the last 12 months







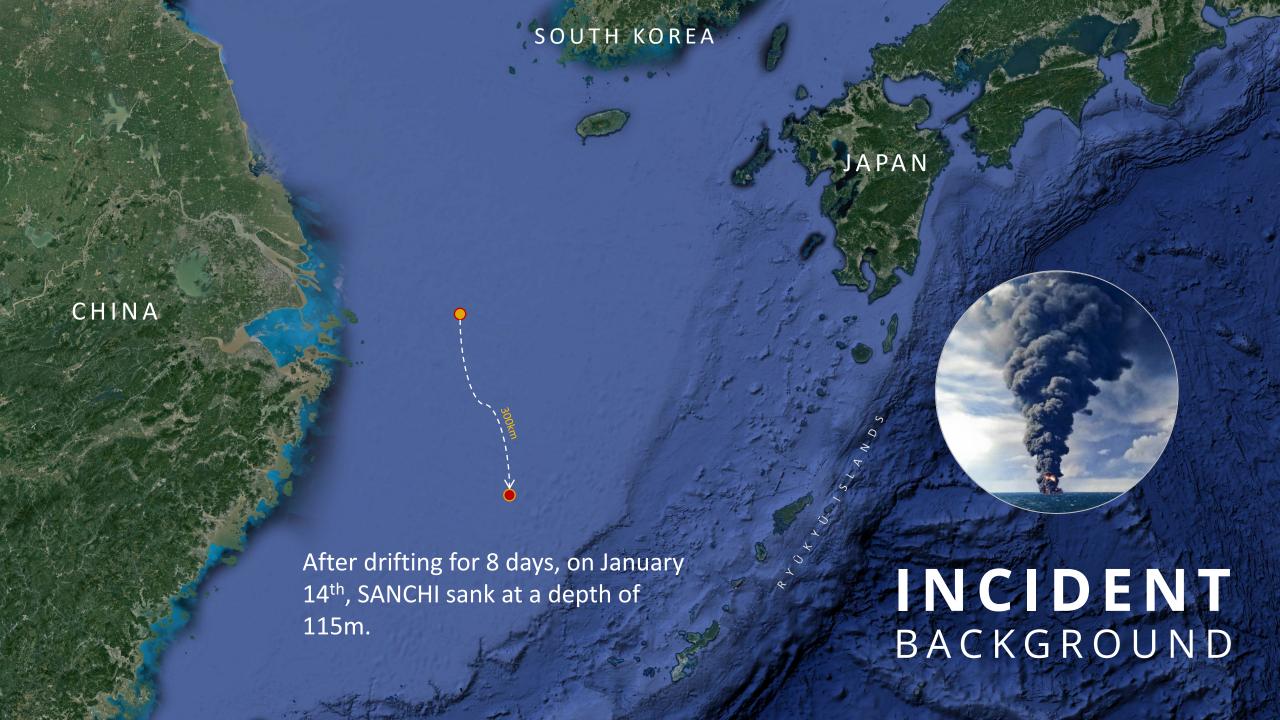




ITOPF RESPONSE ON-SITE



- 6th January 2018 Collision EEZ of China
 - ✓ SANCHI (crude oil tanker)
 - ✓ CF CRYSTAL (bulk carrier)
- o Fire broke out on SANCHI
 - ✓ ~ 111,388 MT Gas Condensate
 - √ ~ 1,900 MT Fuel Oil (type unconfirmed)
 - ✓ ~ 119 MT Diesel Oil
 - ✓ ~ 42 MT Lube Oil
- Media attention
- 9th January 2018 ITOPF arrives on-site







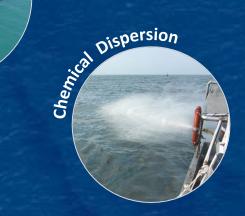






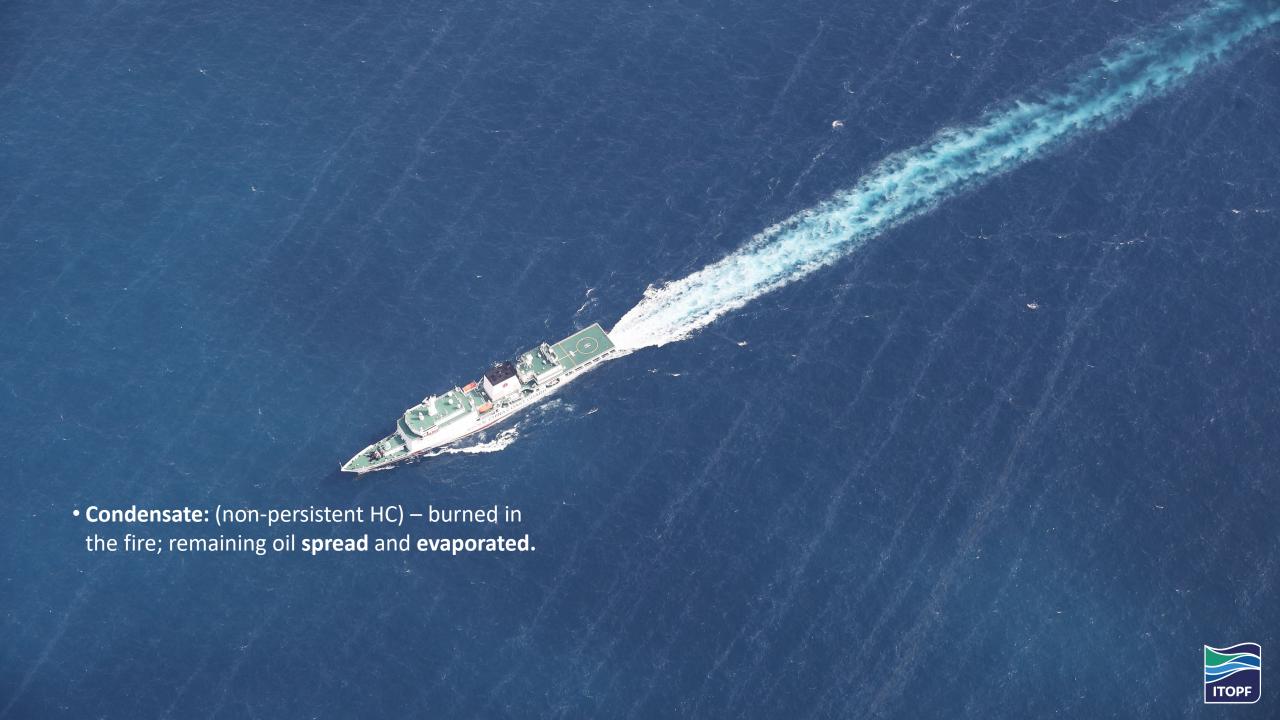


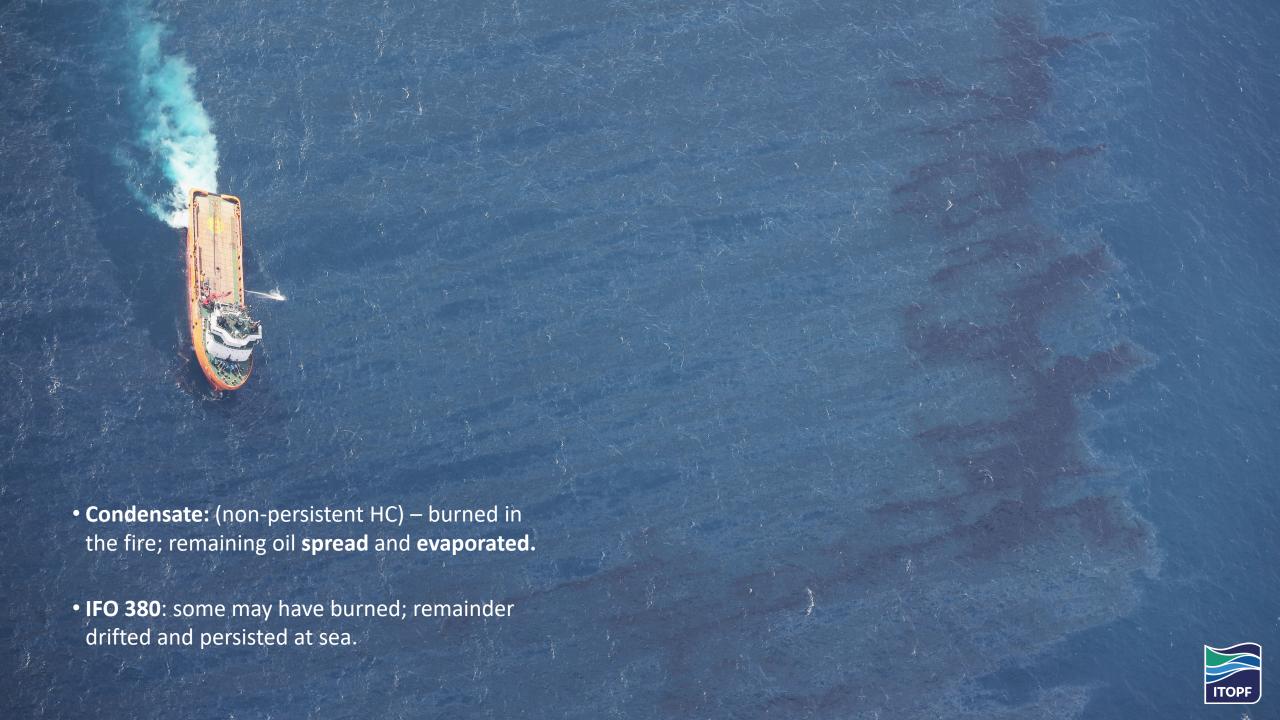
Technique toolbox













OIL DRIFT MONITORING

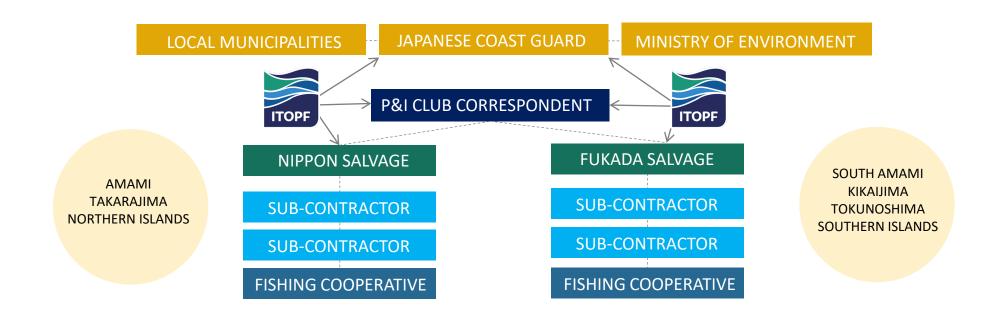
Aerial Surveillance

✓ **31**st **January** – notification of pollution in the Ryukyu Islands

2nd February: ITOPF Arrival in Japan









SHORELINE RESPONSE



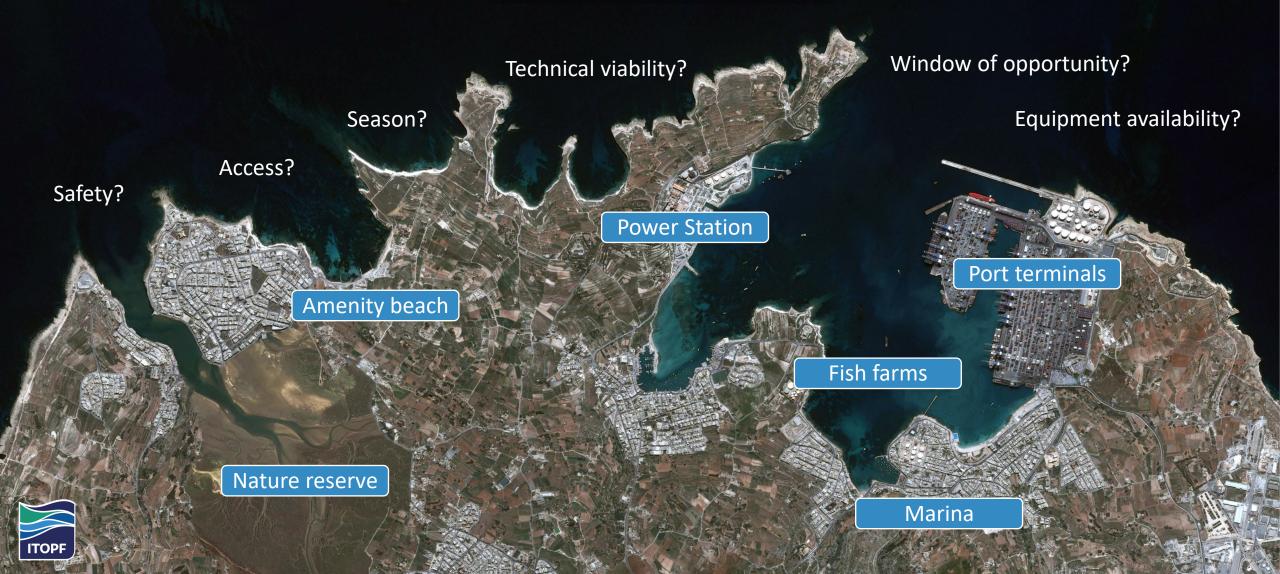










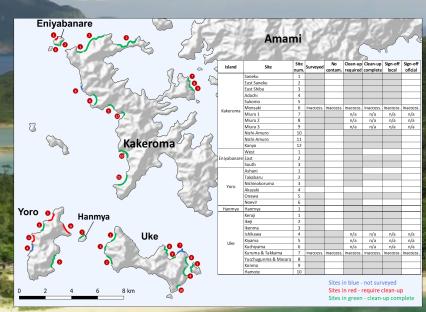




AMAMI ŌSHIMA

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	KEY CO	

each with	Manmade	Pebble areas: Manual removal of	Number of workers: 5-10;	
al	structures show	surface oil and debris (areas A, C, D). Test	Number of supervisers 1-2;	
, cement	ocasional	pits to be manually excavated to search	Basic PPE (gloves, tyveks, boots etc.;	
cess	contamination in	for buried oil. If buried oil is found at high	Shovels, trowels, rakes scrapers;	
es and	places. The ramp	concentration (i.e. as a continuous band),	Cotton rags;	
ls (~300 m	that gives access to	further manual removal is recommended.	Heavy duty bags;	
n	the beach shows	The use of a mini excavator is	Big bags;	
d). Oil was	signs of	recommended for buried oil. Excavated	Plastic sheeting/tarpaulins;	
n manmade	unaceptable	substrate to be raked and oil selectively	Buckets;	
es	standard of	recovered manually.	Sorbent pads for decontamination;	
ds to the	cleaning. Tarballs		Meals and water;	
d on beach	are observed	Cement structures and tetrapods:	Wire mesh sieves/screens;	
t in the	among pebbles and	Scraping and manual wiping using cotton	Steel drums.	
	debris.	rags (A, B). If required, solvent can be used		
		Recommended end-point :		
		No visible surface oil coatings or oiled		
		debris; no staining on hands when rocks		
		are rubbed; no continuous sub-surface oil.		
		Sporadic spotting and light residual		
		staining may remain.		
		,		
ISIDERATIO	NS:			
	All workers must we	ar to appropriate PPE whilst working: hard h	nats to be warn in the vicinity of heavy	
& SAFETY:	machinary. Due atte	ntion to be given to tidal movements. Work	areas must be demarcated as such for	
		tamination is required when exiting a work		
	,			
	All waste to be suitably segregated according to waste type. Temporary storage areas at the back of bea			
ASTE	must be protected with plastic sheeting to protect surfaces and prevent ingress of rainwater. Considerat			
GEMENT:				
	must be minimised.			
OMMENTS				

illy updates on progress and waste generation to be provided to ITOPF and CSA via written daily repo





RESPONSE STRATEGY



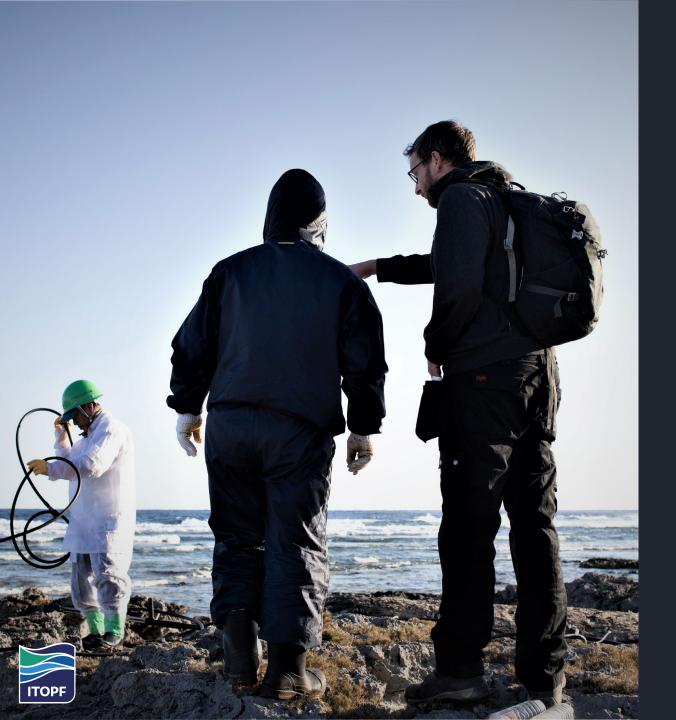












CLAIMS ANALYSIS & DAMAGE ASSESSMENT



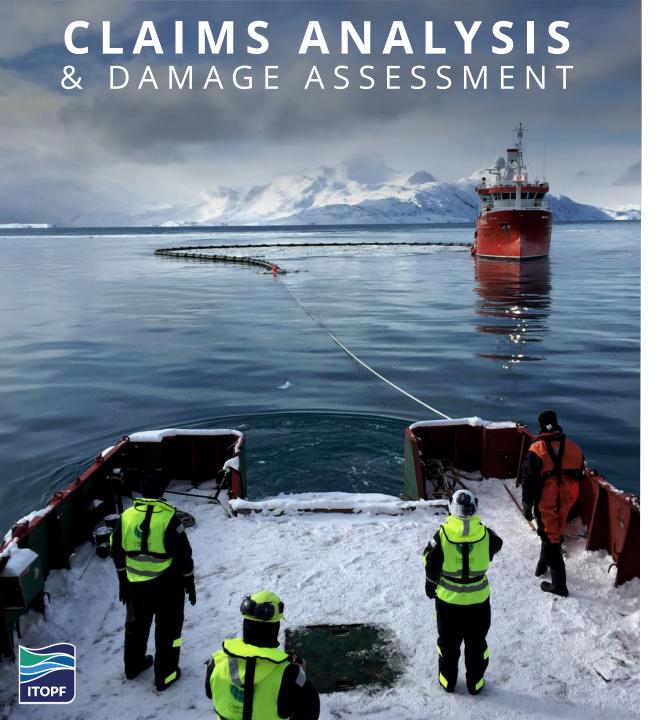
CLAIMS ANALYSIS & DAMAGE ASSESSMENT



ITOPF is ideally placed to provide advice on the technical reasonableness of spill response costs, as well as damage caused by spills

•Aim is to encourage a **cooperative approach** to facilitate the prompt and amicable settlement of claims.

•Objective comments on technical merits of claims to all parties.



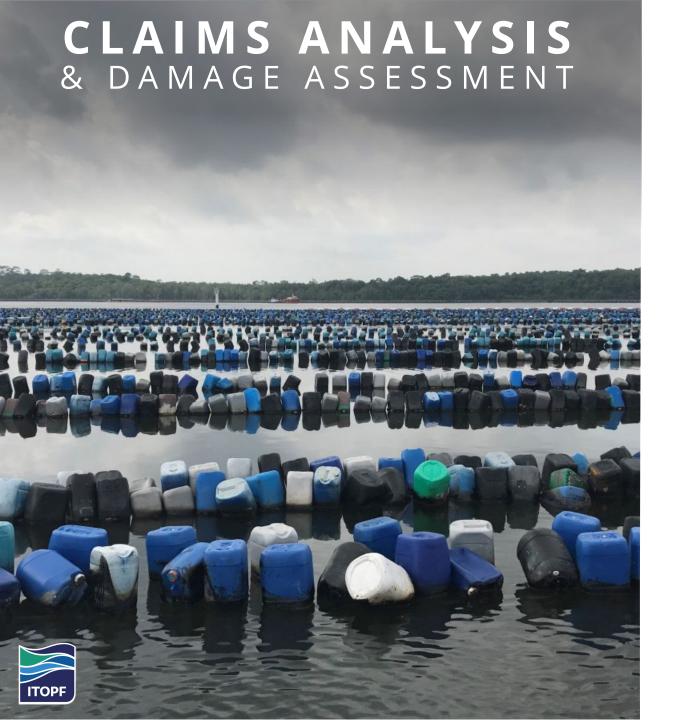
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Preventive measures



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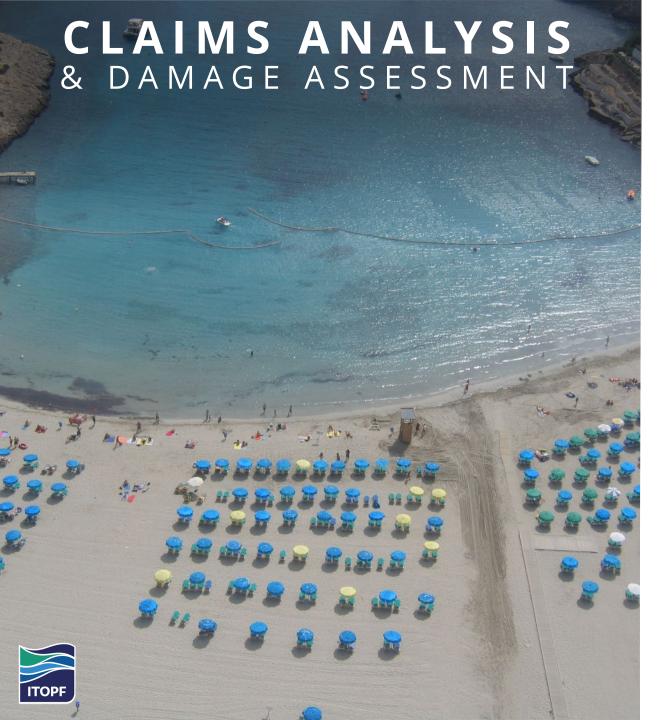
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Preventive measures

Property Damage



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Preventive measures

Economic loss

Property Damage

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Preventive measures

Economic loss

Property Damage

Environmental Damage

















We regularly advise governments and industry on the preparation of contingency plans and other matters related to accidental pollution from ships.

RECENT CONTINGENCY AND ADVISORY PROJECTS:



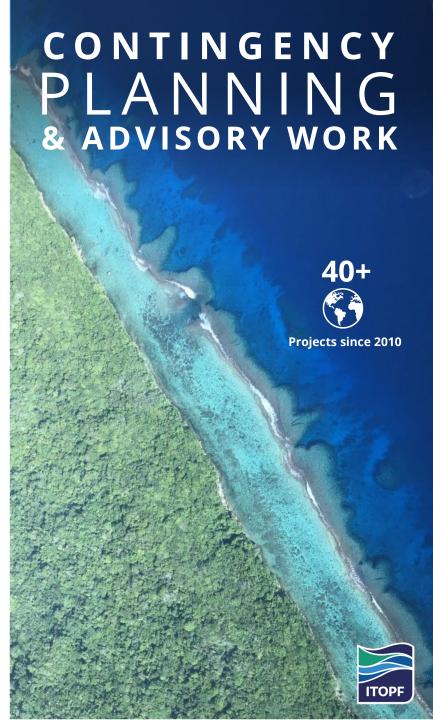


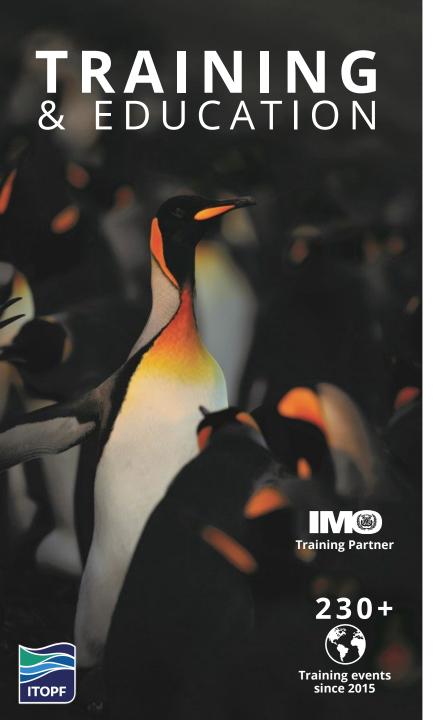






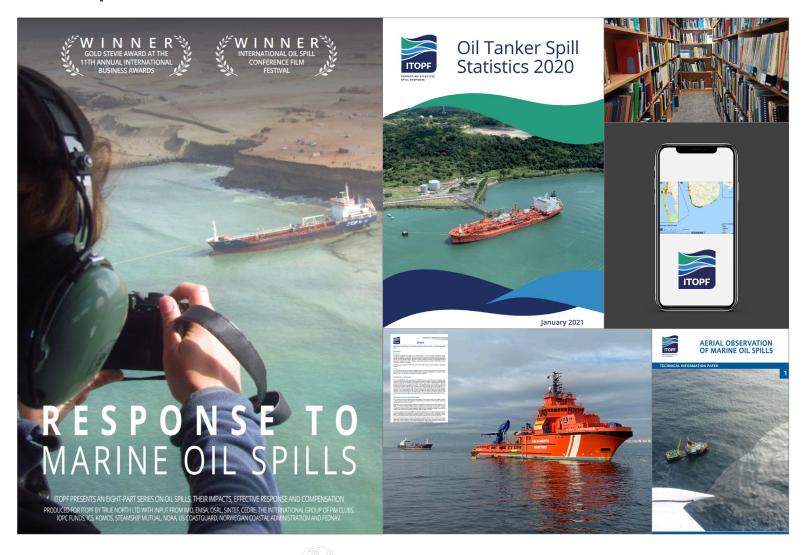








We are a primary and trusted source of information on accidental shipsource pollution.



www.itopf.org



