



Role of ITOPF in Promoting Marine Environmental Protection in the Maritime Sector

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Vision

To be a trusted source of objective technical advice worldwide on preparedness and response to accidental marine spills.



Mission Statement

To promote effective response to marine spills of oil, chemicals and other substances as a means of reducing impacts on the environment and affected communities.



- Established in 1968
- Operates on a non-for profit basis
- Based in London, but we work globally
- Total team of 33, technical team with 14 responders available 24/7
- Primarily funded by the global shipping industry (annual fee)
 - Members: >97% of the world's ocean going tanker fleet
 - Associates: >90% of the world's ocean going non-tanker fleet



1967 Torrey Canyon

Tanker Owners Voluntary
Agreement concerning
Liability for Oil Pollution
(TOVALOP)

1968

'International Tanker
Owner Pollution
Federation' (ITOPF) was
established to administer
TOVALOP



1970s

ITOPF developed its
technical services function
and established a team of
well qualified scientists



1999

ITOPF's services are
formally extended to the
owners of other types of
ships



2018
Celebrating
50th
Anniversary

34 staff provide objective
technical advice to
Members (429 million GT)
and Associates (779 million
GT)

Five Key Services

Spill Response



Impact Assessment & Claims Analysis



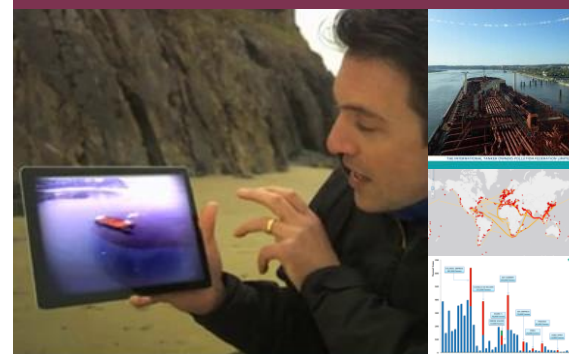
Contingency Planning & Advisory



Training & Education



Information Services



Emergency Contact

In the Event of a Spill of Oil or Hazardous and Noxious Substance

Emergency Contact – Business Hours

Please use ITOPF's office telephone number:

+44 (0)20 7566 6999

Emergency Contact – Outside Normal Office

Hours

24 hour emergency number:

+44 (0)20 7566 6998



Your call will be forwarded to the member of the technical team on duty and will require as much of the following information as possible:

Essential Information

- > **Contact** details of the person reporting the incident
- > **Name** of vessel and owner
- > **Date and time** of the incident (specifying local time or GMT/UTC)
- > **Position** (eg latitude and longitude or distance and direction from the nearest port or landmark)
- > **Cause** of the incident (eg collision, grounding, explosion, fire, etc) and nature of damage
- > **Description** and quantity of cargo and bunker fuel on board
- > **Estimate** of the quantity spilled or likelihood of spillage
- > **Name** of the cargo owner
- > **Action**, both taken and intended (and by whom), to combat pollution
- > **Status** of the vessel and any planned salvage activities

Additional Useful Information

- > Weather and sea conditions, wind speed and direction
- > Length, breadth and appearance of any slicks or plumes, including direction of movement
- > Type of resources that may be at risk (eg fisheries or residential areas)
- > Distribution of cargo and bunkers and location relative to damage

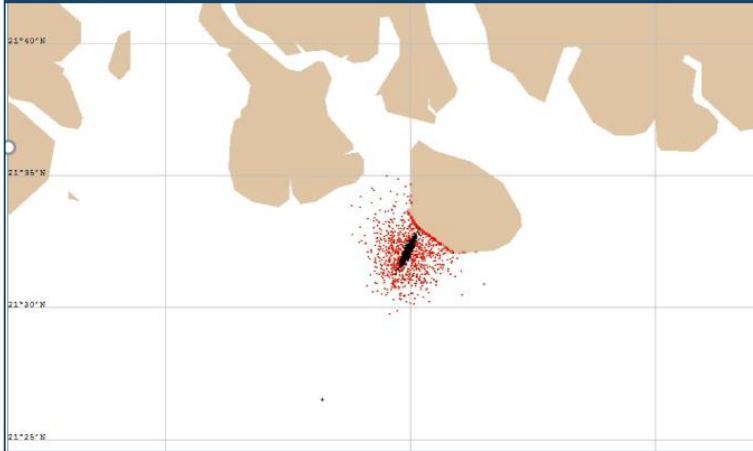
HNS Chemicals

- > State – solid, liquid, gas, bulk, packaged
- > UN or CAS number, MSDS, bill of lading

Oil

Density, viscosity, pour point, distillation characteristics, wax & asphaltene content

FATE & BEHAVIOUR MODELLING



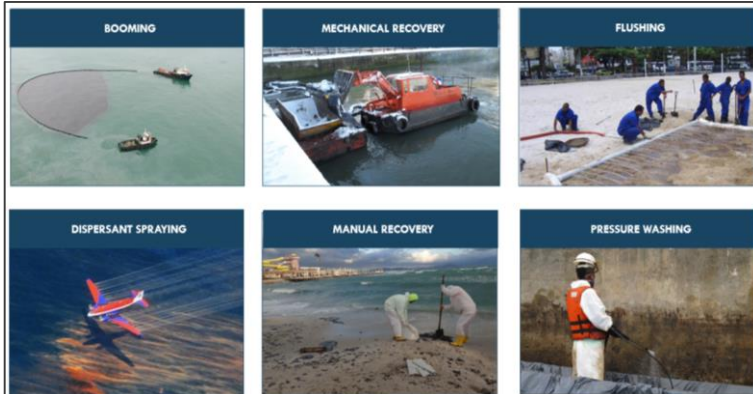
AERIAL SURVEILLANCE



SHORELINE & AT SEA SURVEYS



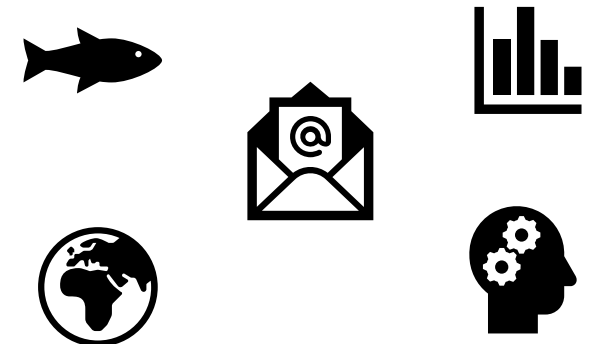
ADVISE on RESPONSE OPERATIONS

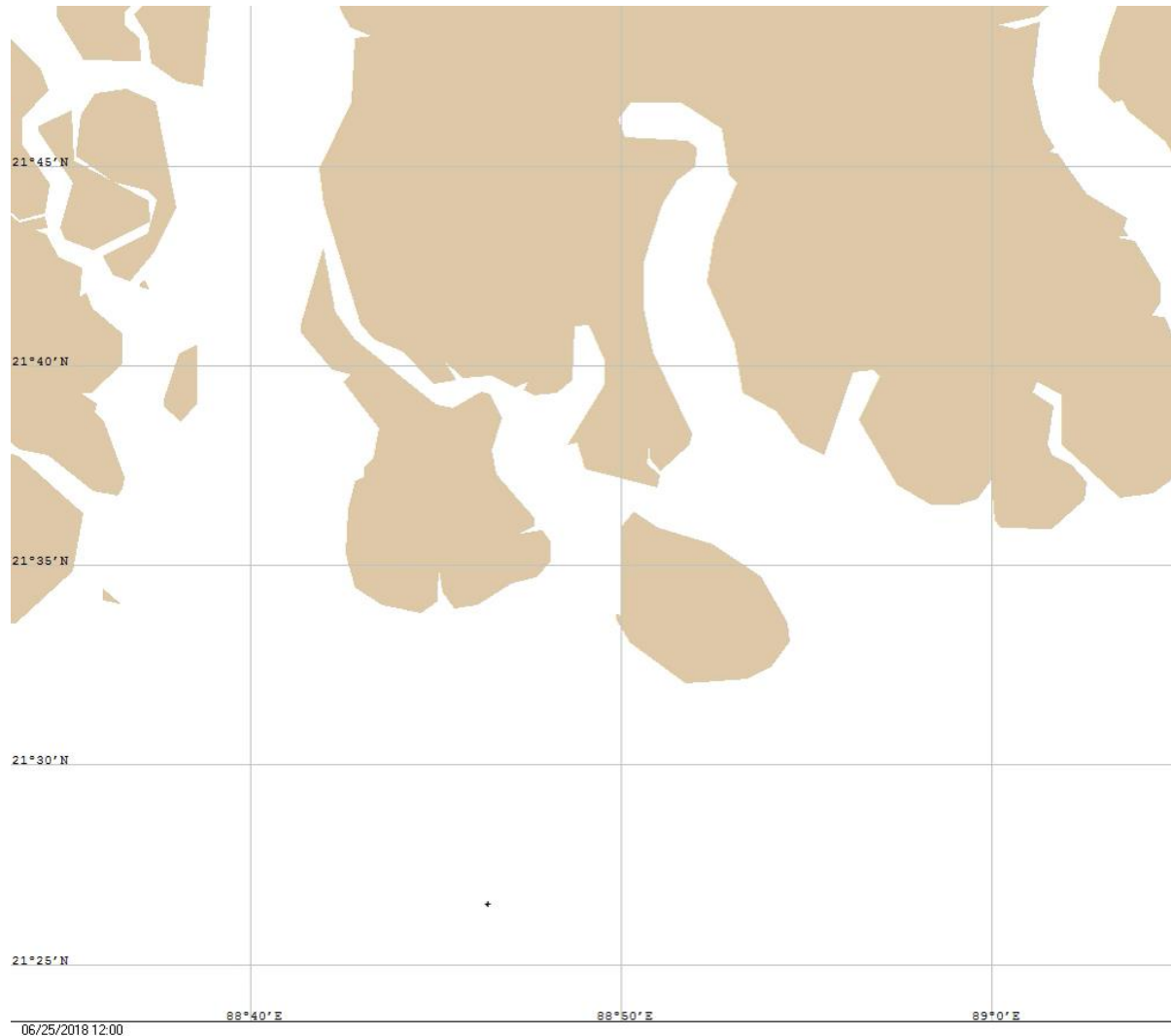


LIAISE with STAKEHOLDERS



REPORTING





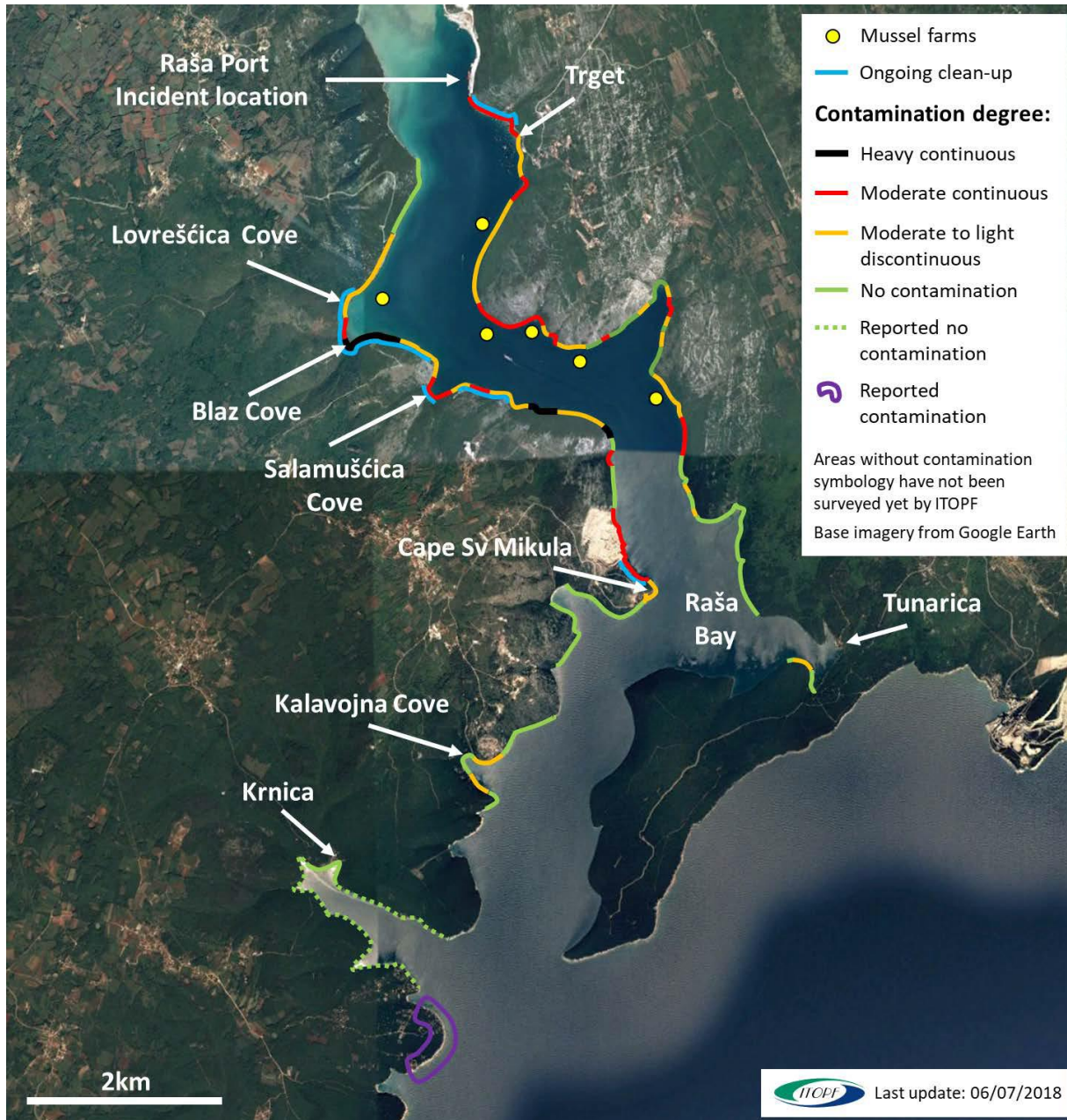
GNOME

- General NOAA Operational Modelling Environment
- is a modelling tool used to predict the possible route, or trajectory, a pollutant might follow in or on a body of water, such as in an oil spill

ADIOS®

- Automated Data Inquiry for Oil Spills
- is NOAA's oil spill response tool that models how different types of oil weather (undergo physical and chemical changes) in the marine environment

And others such as MOTHY



Advise on Response Techniques

BOOMING



MECHANICAL RECOVERY



FLUSHING



DISPERSANT SPRAYING



MANUAL RECOVERY



PRESSURE WASHING



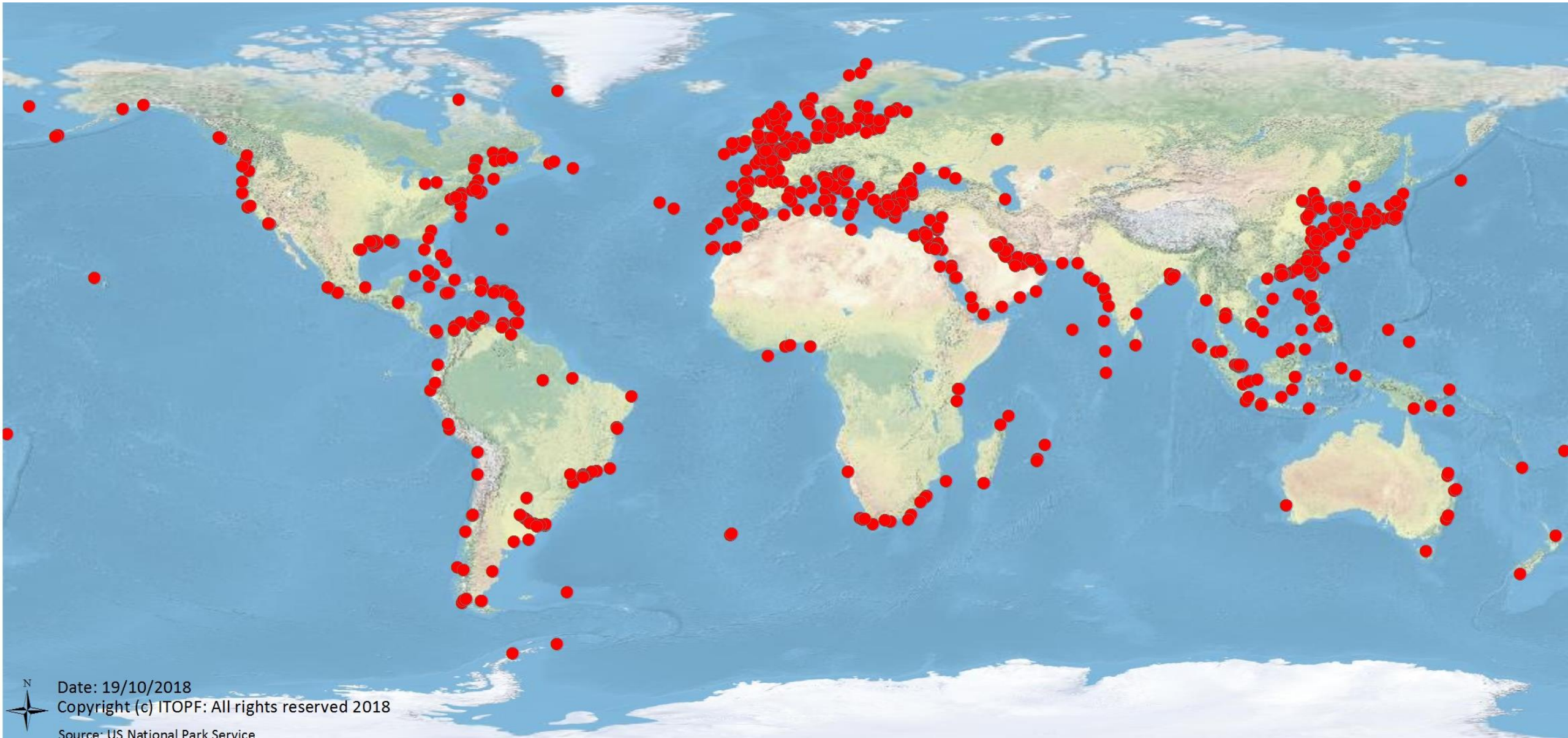
INEFFECTIVE TECHNIQUES



DAMAGING TECHNIQUES



> 800 Mobilisations in 50 Years





- Record and report severity of observed impacts whilst on-site.
- Conduct surveys – ideally jointly with local authorities and specialists with site specific expertise.
- Advise on post spill environmental monitoring objectives & protocols.

Environment



- Joint surveys to assess impact on fisheries
- Advise claimants on how to record losses and mitigate them.
- Advise government authorities on fishing bans.

Fisheries



- Assist in identifying socio-economic sensitivities and investigating the scale of impacts on local businesses.
- Advise businesses on mitigation measures and how to record losses.

Tourism



- Advise **all parties** regarding **‘reasonableness’** of actions / claims while on site
- Provide **technical assessments** of claims for P&I Clubs & IOPC Funds.
 - Natural progression from attendance on site
 - Utilise information gathered while on site
- Apply principles of the international oil spill compensation conventions and follow guidelines provided by the **IOPC Funds Claims Manual**

CONTINGENCY PLANNING



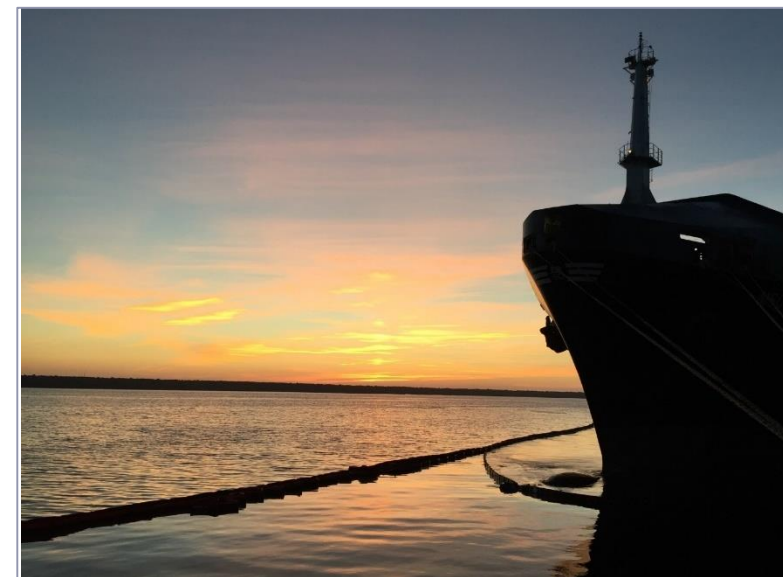
Advise governments as well as industry on the preparation of contingency plans

ADVICE, TRAINING, EDUCATION



Contribute to the work of other organisations (e.g. IMO guidelines and courses, Joint Industry Projects)

EXERCISES



- Seminars and training courses
- Drills and exercises
- Conferences








Research & Development Award £50,000 pa

Who qualifies?

- The ITOPF R&D Award is open to **any reputable R&D establishment or other organisation worldwide** intending to fund a candidate (individual or project team) to undertake research.

Criteria for selection

- Relevance of the proposed research to shipping and the environment. 
- Originality and innovation. 
- Capability of the research institute/individual/s to undertake the research. 
- Likelihood of achieving the objectives of the proposal within the time and budget provided. 
- The ability to publish or to advertise the findings of the research. 

Deadline - 30th November 2018



PROMOTING EFFECTIVE
SPILL RESPONSE

Thank you for your attention

www.itopf.org

