

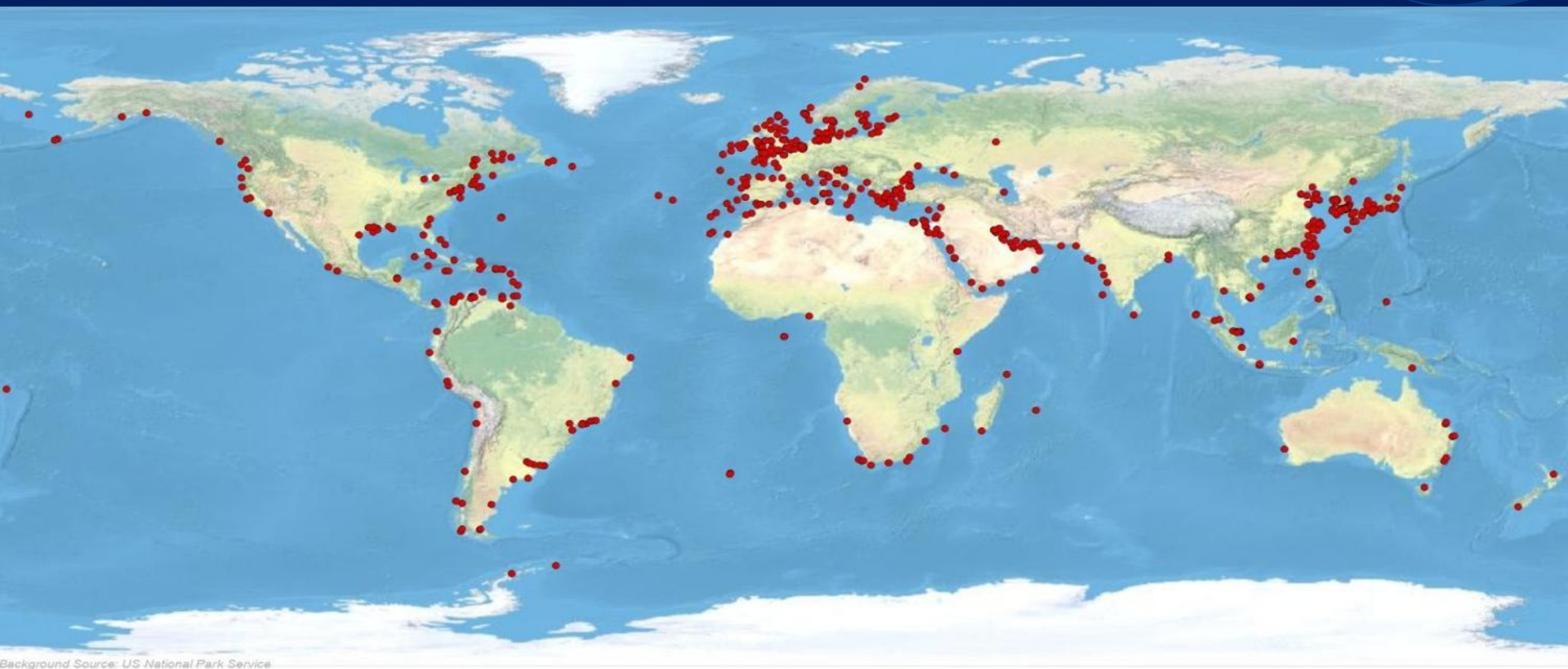


ITOPF – Recent Activities and Developments

**Dr Mark Whittington – Technical Team Manager – ITOPF
PAJ Oil Spill Symposium 2014**



- Not-for-profit organisation established in 1968
- Primarily funded by shipping industry (via P&I Clubs)
- Provides impartial advice on oil & chemical spills
- Based in London but provides a global service



- Office in London with 32 staff
- Technical team with 14 responders:
 - Scientific background & spill experience
 - On site at ~ 700 spills in ~ 100 countries
- In-house databases and technical library
- China Liaison Officer in Shanghai since 2012

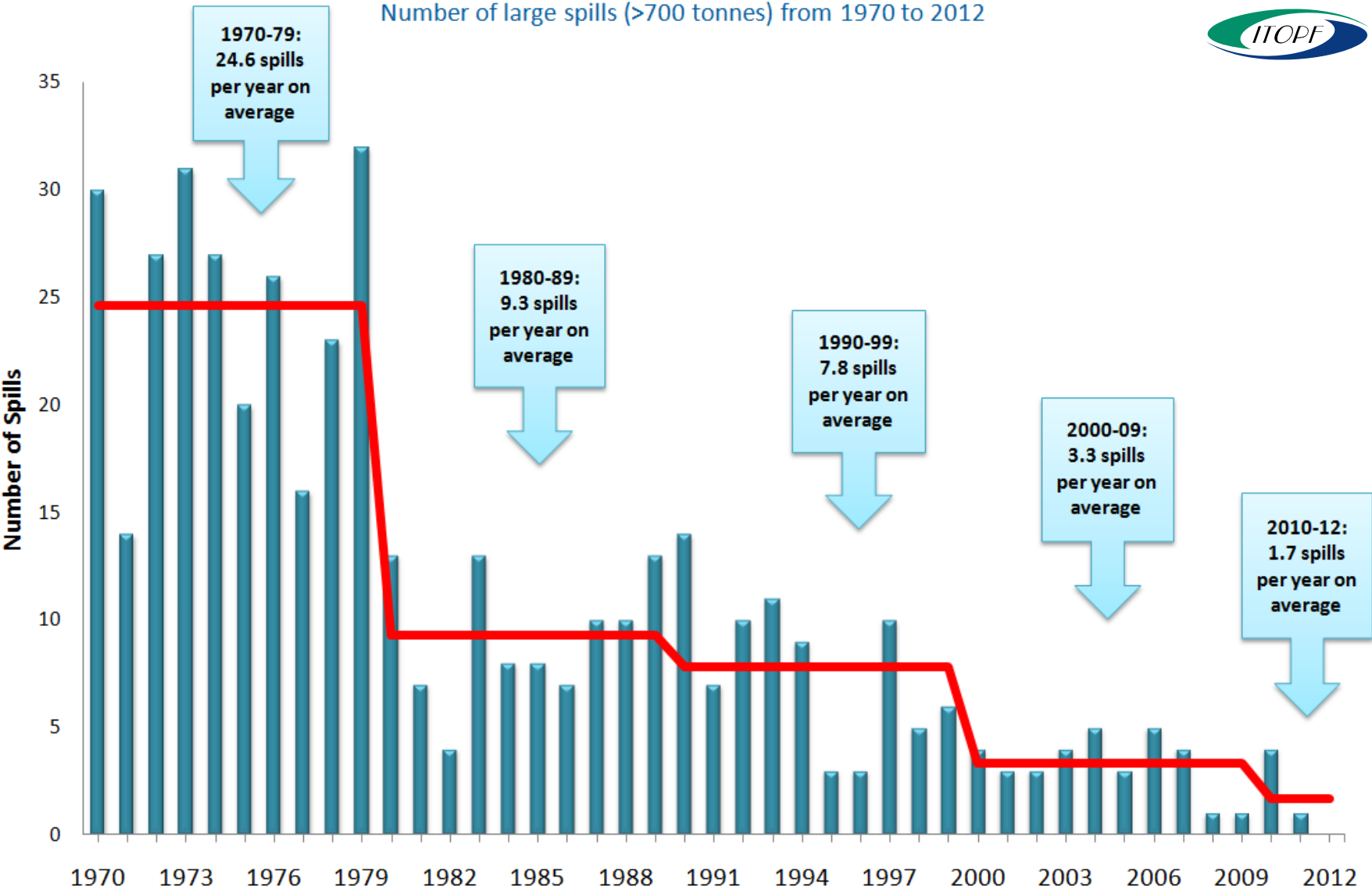




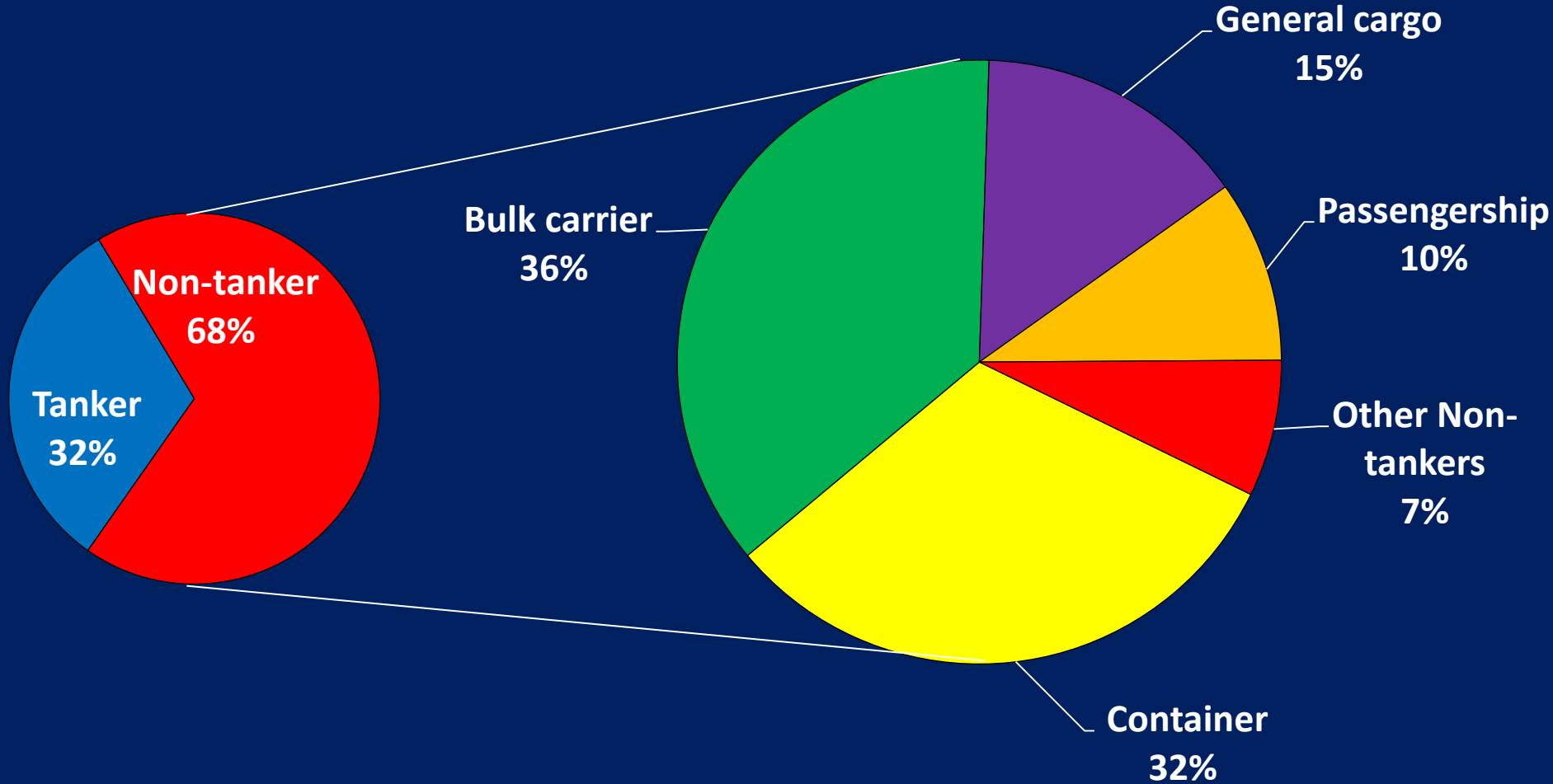
1. SPILL RESPONSE (OIL & HNS)
2. DAMAGE ASSESSMENT & CLAIMS ANALYSIS
3. CONTINGENCY PLANNING, EXERCISE & ADVISORY
4. TRAINING & EXERCISES
5. INFORMATION

Oil Tanker Spills >700 tonnes

Number of large spills (>700 tonnes) from 1970 to 2012



ITOPF Incident Attendance by Vessel Type (2000 -2013)



CONTAINER VESSELS



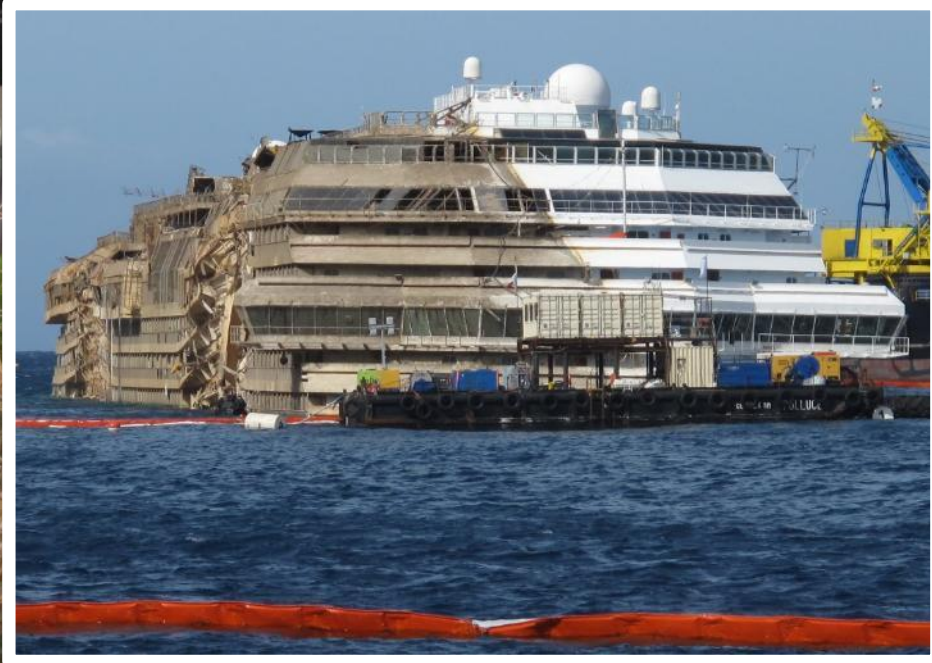
MOL COMFORT

Indian Ocean
June 2013



COSTA CONCORDIA

January 2012





- 25 Incidents
- 7 Tanker Incidents

(January to December 2013)



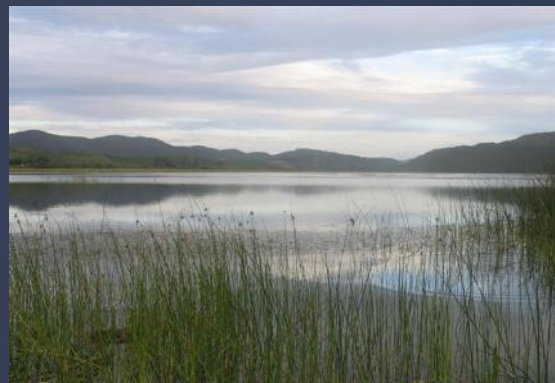
- “Typical” incident
- Container Vessels
- Extreme weather
- The Future?

KIANI SATU INCIDENT



WESTERN CAPE PROVINCE,
SOUTH AFRICA











- Exposed shoreline
- Shoreline access
- MPA designation





- African Penguins and Cape Gannets oiled
- Physical smothering
- High survival/release rate of treated birds





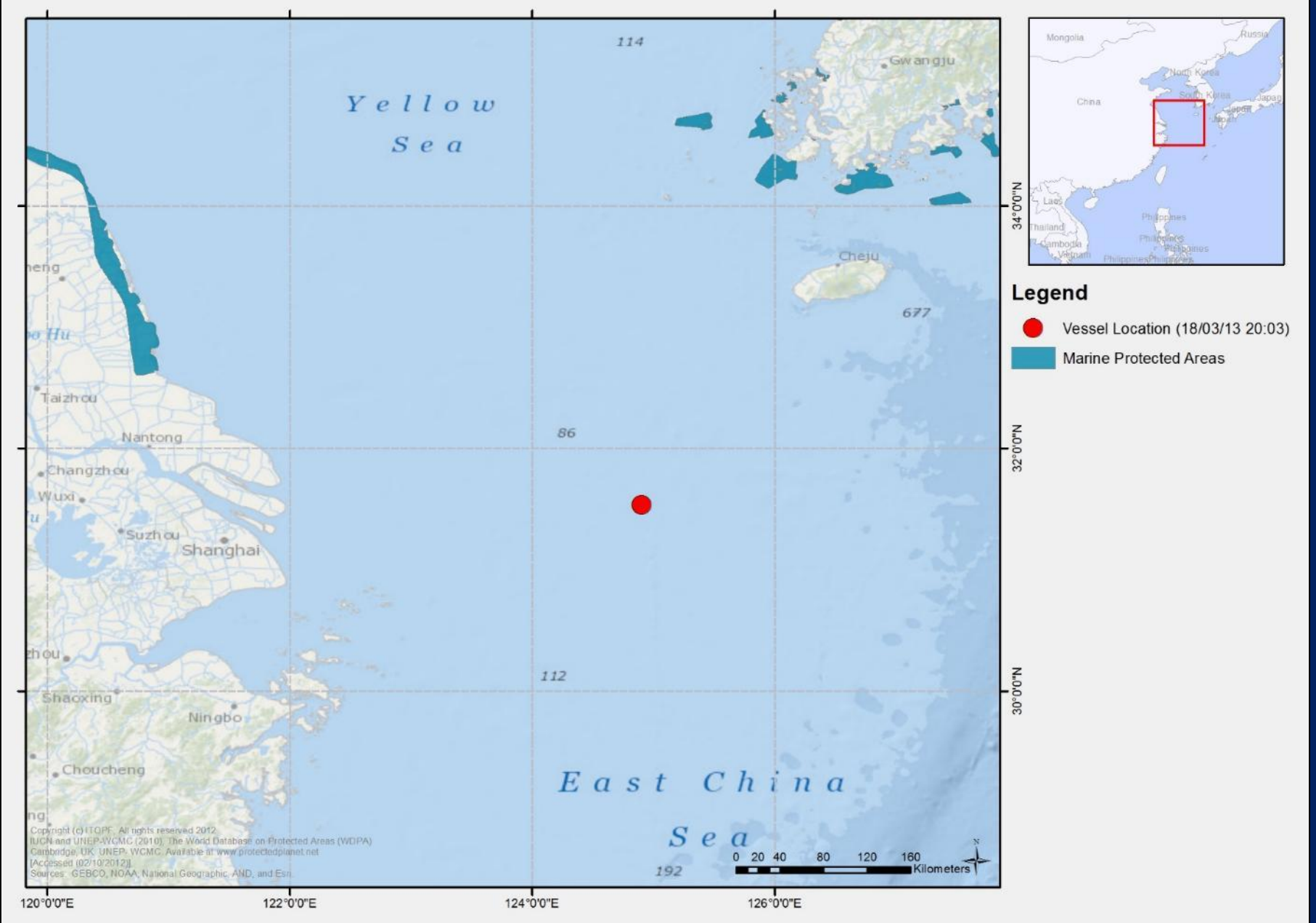
- Vessel structural integrity.
- Potential release of rice cargo.
- Vessel re-float.
- Final fate of the vessel.





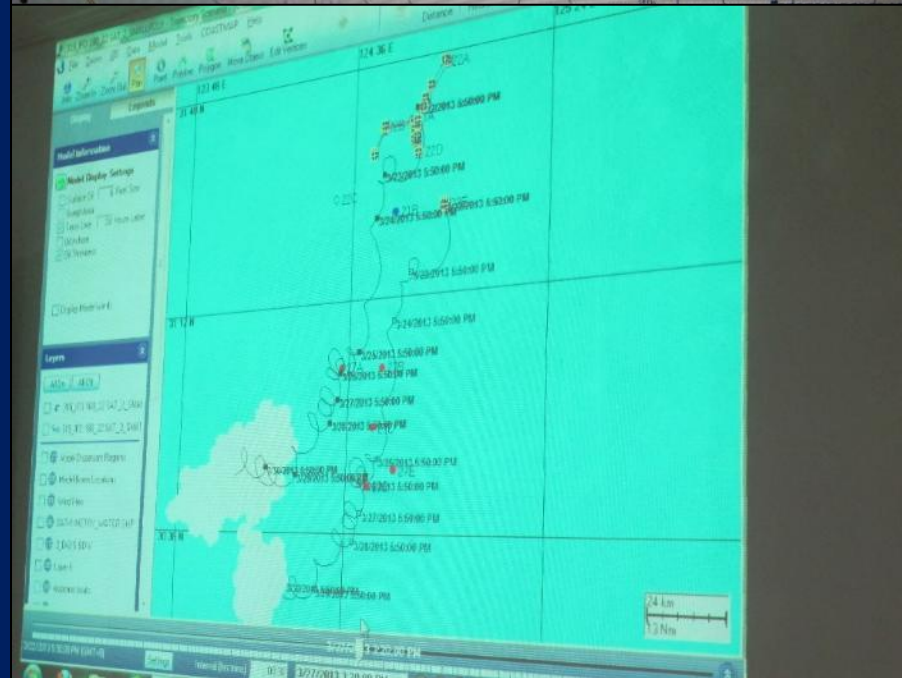
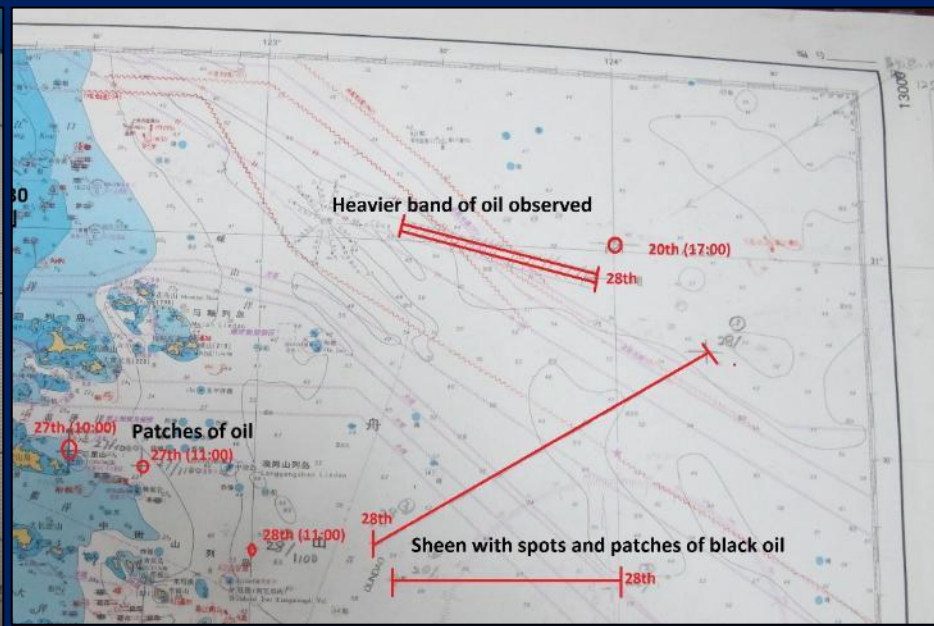
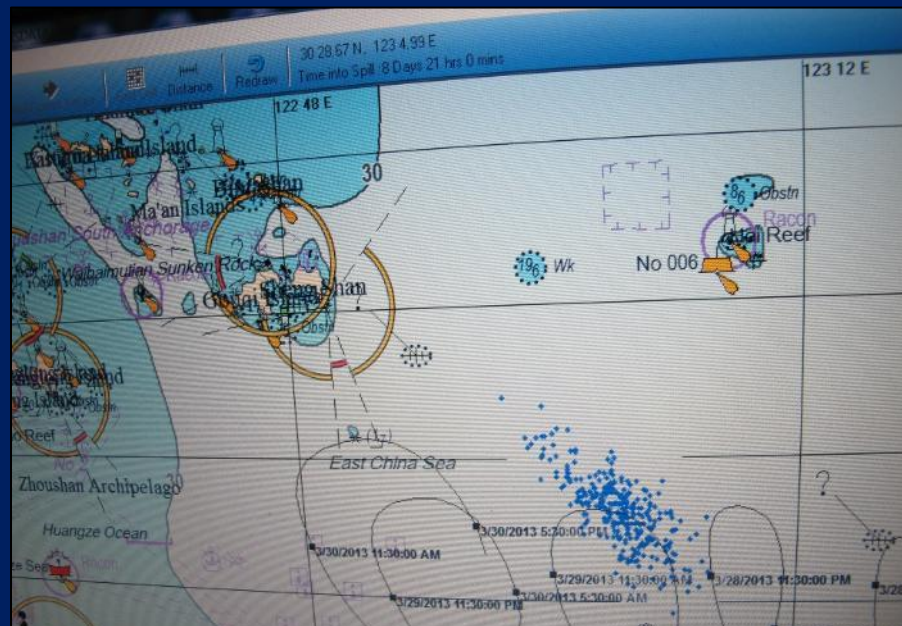
CHINA, MARCH 2013

CMA CGM FLORIDA INCIDENT





TRAJECTORY MODELLING & OVERFLIGHTS





CONTAINER HANDLING ASHORE

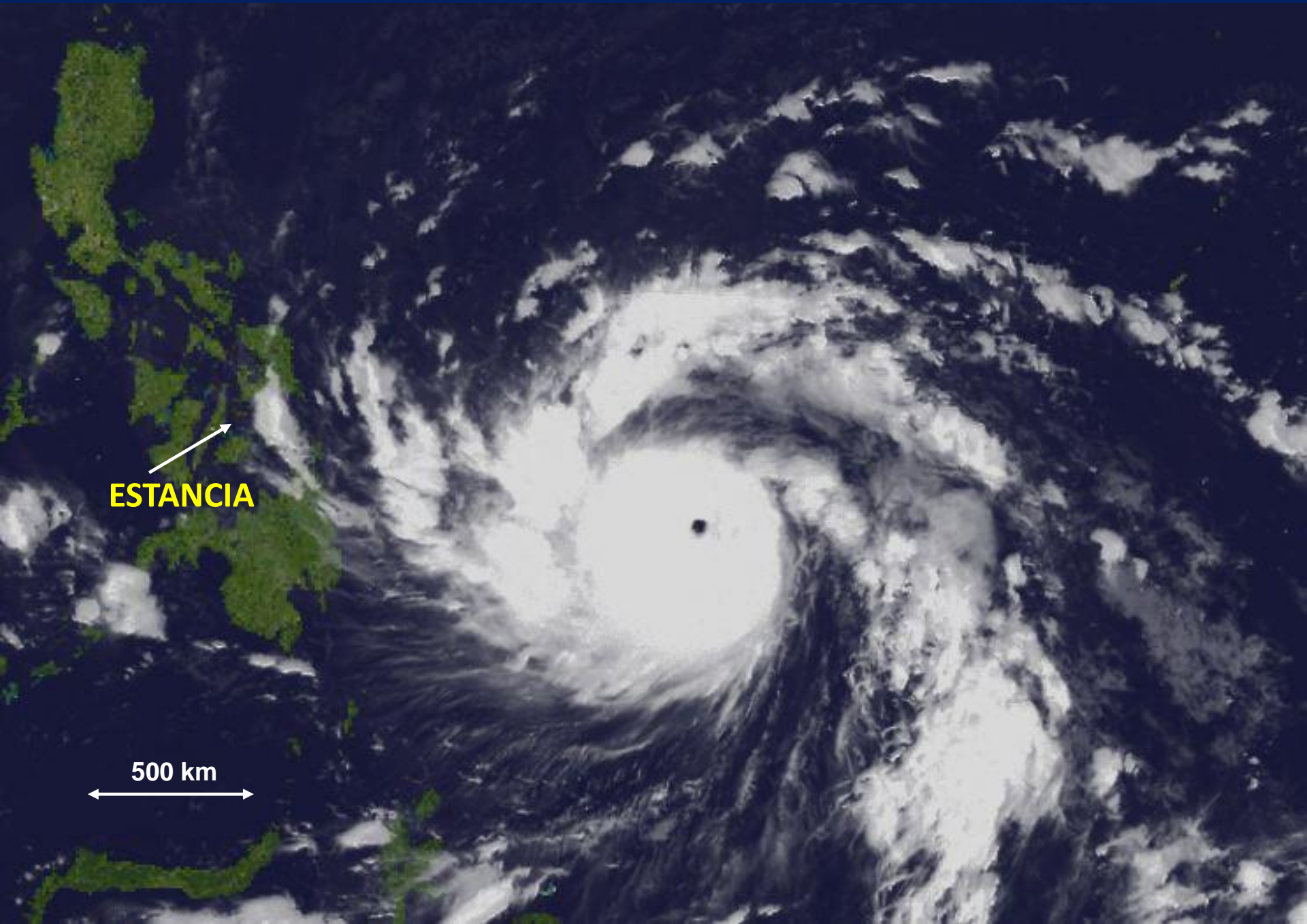


CONTAINER VESSEL RESPONSE





PHILIPPINES, NOVEMBER 2013



ESTANCIA

500 km







OILED FISHING VESSELS











Health Advisory Oil Spill



Oil spills happen when oil tankers accidentally leak oil into the ocean. Oil contains volatile compounds that may have negative impacts on health. The following should stay away from oiled areas: people who have weak immune systems; the young, pregnant, or elderly; and those who have respiratory conditions.

Health Effects

- Prolonged contact may cause skin reddening, edema, and burning.
- Effects on skin may worsen by subsequent exposure to UV rays from the sun.
- Repeated exposure may cause upper respiratory tract conditions.
- Nasal irritation and feelings of nausea may be experienced.
- Acute inhalation may lead to euphoria, vertigo, headache, and chest pain.

For Responders and Clean-up Workers:

- Wear protective gear, like gowns, gloves, boots, and goggles.
- Dispose of used gloves properly.
- Wash oiled clothing and goggles.

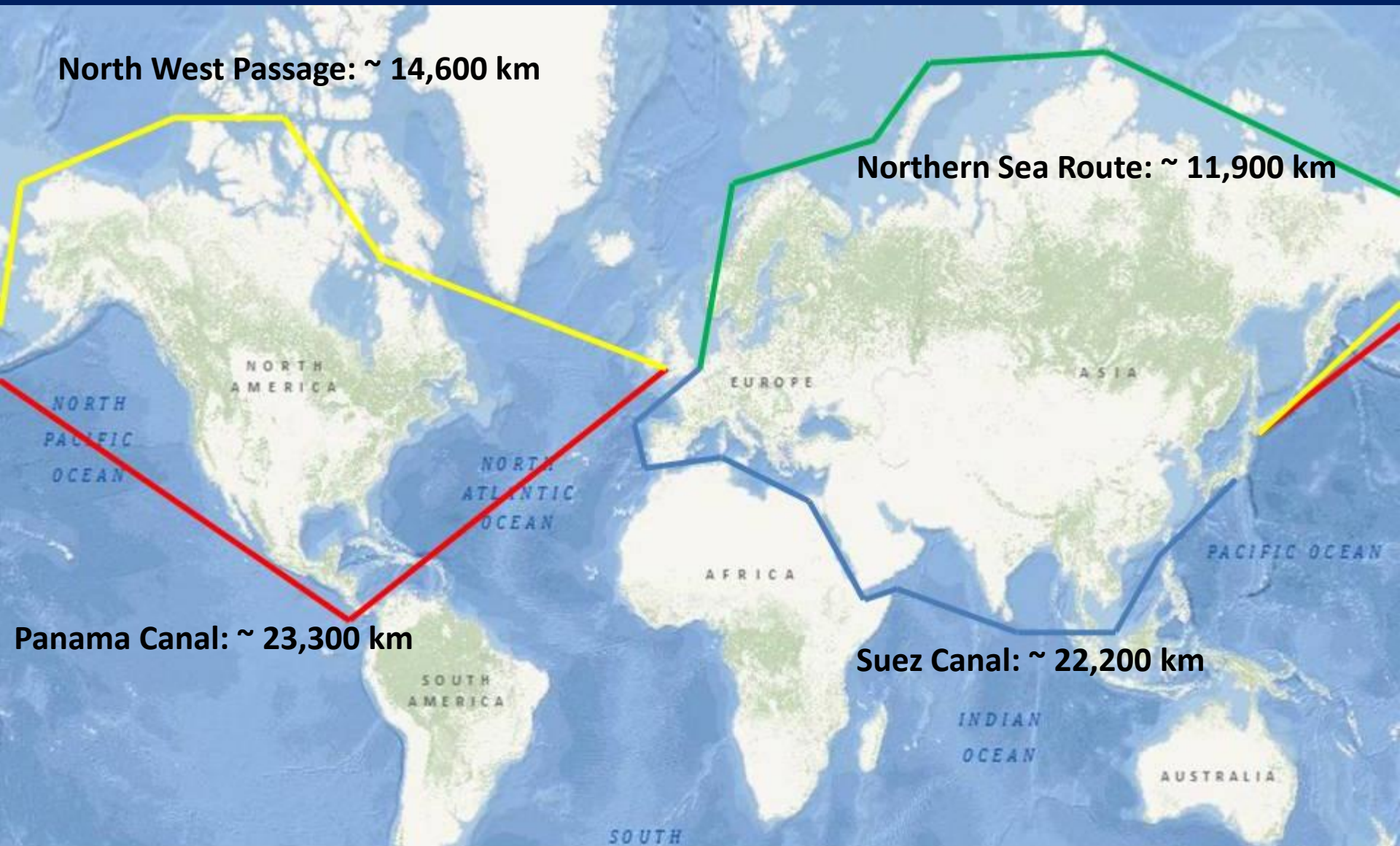
REMINDER FROM:
DEPARTMENT OF HEALTH
REGION 6



Ways to Cope with Oil Spill

- Stay away from the area when you see or smell oil on the beach.
- Stay indoors in an air-conditioned area and avoid strenuous outdoor activity.
- Do not swim in areas affected by the oil spill.
- Avoid contact with sediment, sand, soil, outdoor/indoor surfaces with visible oil contamination.
- Do not use oil-contaminated water for animal consumption.
- Do not fish in oil spill-affected water.
- Do not eat fish, shellfish, and other seafood from the area with oily residue, or petroleum odor.
- Prevent pets from entering oil contaminated areas.
- Wash skin, which has come in contact with oil-contaminated water, with soap and water.
- Consult the doctor if symptoms are present.





- Large increase in vessels using North Sea Route (NSR):

2010 - 4 vessels

2011 - 41 vessels

2012 - 46 vessels

2013 - 71 vessels





- KULLUK incident: New Years' Eve: No spill, low risk of environmental damage yet BBC & CNN headlines, WWF statements,
- ASIAN LILY incident: Christmas Eve: ITOPF mobilised, spill of Heavy Fuel Oil and potentially powerful images Yet NOT headline news?



- Increased risk of spill in Arctic: increased traffic along NSR
- Spill response: very challenging in Arctic (tracking, techniques & logistics)
- ITOPF is official adviser to Arctic Council 'Task Force' on oil spill response
- Internal ITOPF Arctic Response Working Group advises P&I Clubs & members



www.itopf.com