






SHIPPING INCIDENTS


RECENT DEVELOPMENTS & EMERGING TRENDS

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PAJ WORKSHOP – TOKYO, DECEMBER 2017
12 December 2017

INCIDENTS ATTENDED (DEC 2016-2017)









17 INCIDENTS IN 12 MONTHS


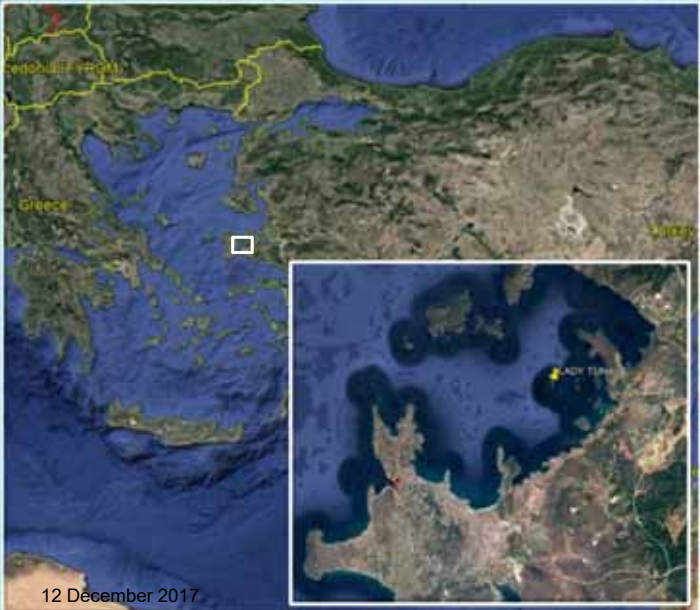
- TANKER = 7 (3 CARGO SPILLS)
- NON-TANKER = 9 (7 BUNKER SPILLS)
- MYSTERY SPILL = 1 (CRUDE OIL)

12 December 2017

ITOPF Mobilisations (Onsite mobilisations) ● Non-Tanker mobilisations







RECENT INCIDENTS: LADY TUNA (18 DEC 2016) 



- LADY TUNA (4,538 GT; 4,867 DWT)
- REEFER: 1,500 MT FROZEN BLUEFIN TUNA
- RAN AGROUND IN ILDIR BAY, TURKEY
- 789 M³ IFO 180 BUNKERS ONBOARD
- APPROX. 400 M³ OIL SPILLED AT SEA

12 December 2017


RECENT INCIDENTS: LADY TUNA (18 DEC 2016) 





EXTENT OF CONTAMINATION


- SHORELINE CONTAMINATION OVER 15 KM
- MIXED RESIDENTIAL AND COMMERCIAL USE
- KEY CONCERN: HIGH VALUE FISH FARMS
 - SEA BASS (*Dicentrarchus labrax*)
 - SEA BREAM (*Sparus Aurata*)
 - BLUEFIN TUNA (*Thunnus thynnus*)


12 December 2017


RECENT INCIDENTS: LADY TUNA (18 DEC 2016) 












Ulaştırma Denizcilik ve Haberleşme Bakanlığı

Ministry of Transport, Maritime Affairs and Communications





Çeşme Harbour Master


COMMAND & CONTROL


- GOOD RELATIONS WITH TURKISH AUTHORITIES: PAST SPILLS AND TRAINING
 - INTEGRATION WITH LOCAL AGENCIES IN RESPONSE
- GOOD RELATIONS WITH NATIONAL OIL SPILL CONTRACTOR: PAST SPILLS
 - ALLOWED DIRECT INPUT TO SPILL RESPONSE OPERATIONS


12 December 2017



RECENT INCIDENTS: LADY TUNA (18 DEC 2016) 










SPILL RESPONSE

- INEFFECTIVE RESPONSE AT-SEA: POOR BOOM DEPLOYMENT
- SHORELINE CLEAN-UP OPERATIONS FOCUSSED ON MANUAL TECHNIQUES
 - BASED ON ITOPF ADVICE: RECOMMENDED AGAINST HEAVY MACHINERY

12 December 2017

RECENT INCIDENTS: LADY TUNA (18 DEC 2016) 







12 December 2017




KEY ISSUE: SUNKEN OIL


- REMOBILISATION OF STRANDED OIL
 - SINKING WITHIN NEARSHORE WATERS
- MANUAL RECOVERY RECOMMENDED
- OIL RESURFACED WITH INCREASED TEMPERATURE

RECENT INCIDENTS: LADY TUNA (18 DEC 2016) 







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KEY ISSUE: RISK TO AQUACULTURE

- FLOATING OIL PASSED THROUGH FISH CAGES
- BOOM DEPLOYED TO DEFLECT OIL FROM FARMS
- ITOPF SURVEYED FARMS TO ASSESS DAMAGE
 - RECORD EXTENT OF CONTAMINATION
 - PROVIDED ADVICE ON DAMAGE MITIGATION
- NO ELEVATED LEVELS OF PAH FOUND IN FISH

RECENT INCIDENTS: LADY TUNA (18 DEC 2016) 







KEY ISSUE: THREAT TO TOURISM

- LUXURY ACCOMMODATION AND SUMMER RESIDENCES OF INFLUENTIAL CITIZENS
- HIGH POLITICAL PRESSURE ON CLEAN-UP
 - END-POINTS
 - TIMESCALE
- TO DATE NO CLAIMS RECEIVED

12 December 2017

RECENT INCIDENTS: APL DENVER (3 JAN 2017)  







- APL DENVER CONTAINERSHIP (43,071 GT)
- WAN HAI 301 CONTAINERSHIP (26,681 GT)
- COLLISION IN STRAITS OF JOHOR, MALAYSIA
- UP TO 300 MT HFO (IFO 500) SPILLED
- SPILL AFFECTED MALAYSIA AND SINGAPORE

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RECENT INCIDENTS: APL DENVER (3 JAN 2017)










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EXTENT OF CONTAMINATION

- BEACHES & MANGROVES ON PULAU UBIN
- FISH, MUSSEL & SHRIMP FARMS AFFECTED
 - SINGAPORE AND MALAYSIA
- MINOR EFFECTS ON SINGAPORE ISLAND
- CONTAMINATION WITHIN JOHOR PORT

RECENT INCIDENTS: APL DENVER (3 JAN 2017)




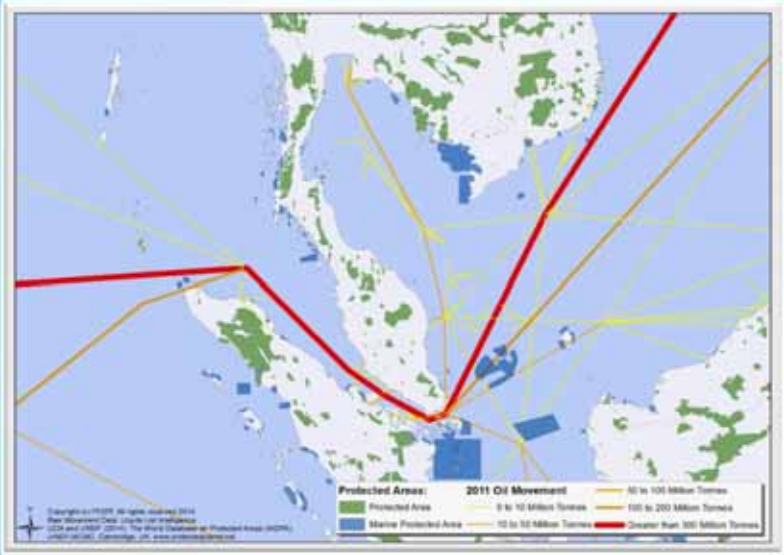


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SPILL RESPONSE

- OVERSEEN BY MPA AND MALAYSIA MOE
- OSRL + SEVERAL LOCAL CLEAN-UP CONTRACTORS
- USE OF SPECIALISED BOOM FOR FAST CURRENTS
- CLEAN-UP OF FISH FARMS WITHIN STRAITS OF JOHOR
- SHORELINE CLEAN-UP AT PULAU UBIN



SINGAPORE STRAIT: HIGH RISK FOR SPILLS



12 December 2017

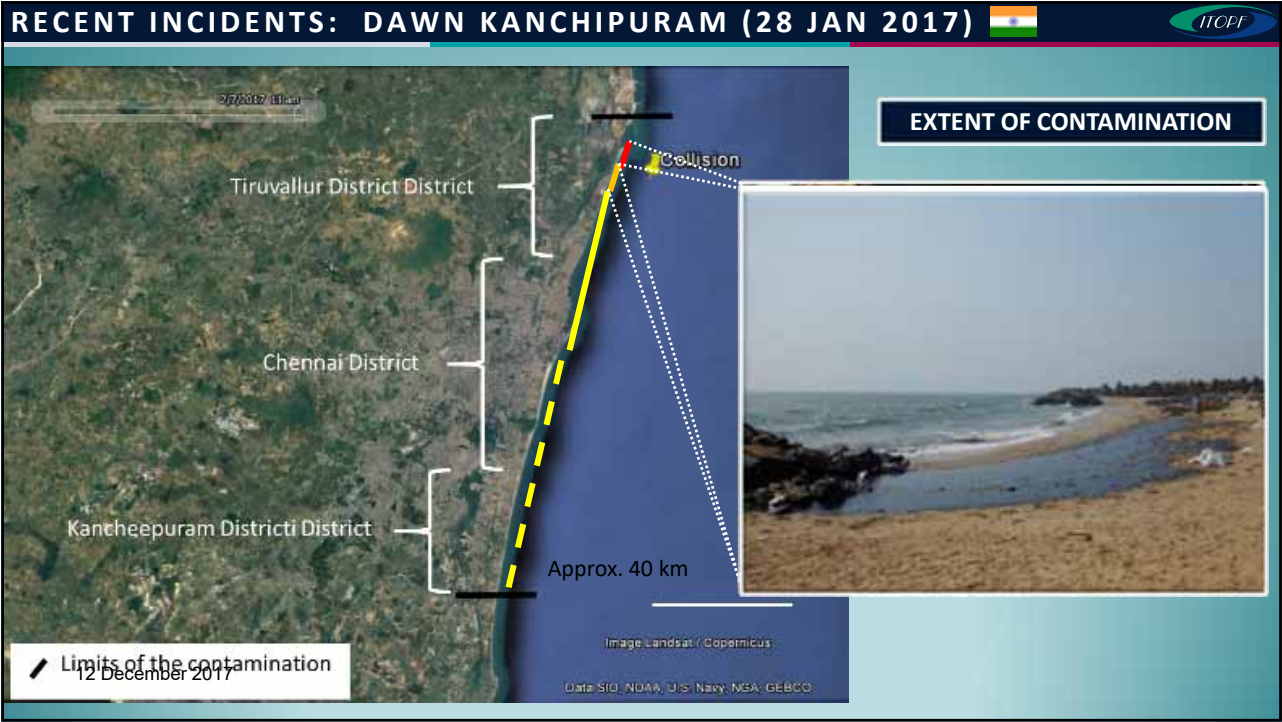
- VERY BUSY SHIPPING TRAFFIC
- NARROW STRAIT (1.46 NM)
- RECURRENT COLLISIONS (3 IN 2017)
- COMPLICATED RESPONSE
 - TRANS-BOUNDARY
 - SHIPPING TRAFFIC

RECENT INCIDENTS: DAWN KANCHIPURAM (28 JAN 2017)





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- DAWN KANCHIPURAM - PRODUCT TANKER (29,141 GT)
- BW MAPLE - LPG TANKER (47,386 GT)
- COLLISION 2 NM FROM ENNORE PORT, CHENNAI
- CARGO: GASOLINE AND HIGH SPEED DIESEL
- ESTIMATED UP TO 300 MT IFO 180 SPILLED AT SEA



RECENT INCIDENTS: DAWN KANCHIPURAM (28 JAN 2017)





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SPILL RESPONSE


EMERGENCY PHASE

- AT-SEA RESPONSE LIMITED TO PORTS
- INITIAL FOCUS ON MANUAL RECOVERY
- INEFFECTIVE TECHNIQUES + SAFETY ISSUES
- MASSES OF WASTE + 2° CONTAMINATION




PROJECT PHASE

- SHIPOWNER TOOK OVER RESPONSE
- CONTRACTORS APPOINTED (ITOPF ADVICE)
- CLEAN-UP PLAN PRODUCED (DRAFTED BY ITOPF)
- IMPROVED COORDINATION + EFFECTIVE TECHNIQUES
- JOINT SURVEYS (ORGANISED BY ITOPF)
- FINAL SIGN OFF OF CLEAN-UP IN MID-APRIL

RECENT INCIDENTS: DAWN KANCHIPURAM (28 JAN 2017)



KEY ISSUES




1. DIFFICULT ACCESS

HEALTH & SAFETY

PUBLIC DEMONSTRATIONS

RECENT INCIDENTS: DAWN KANCHIPURAM (28 JAN 2017)



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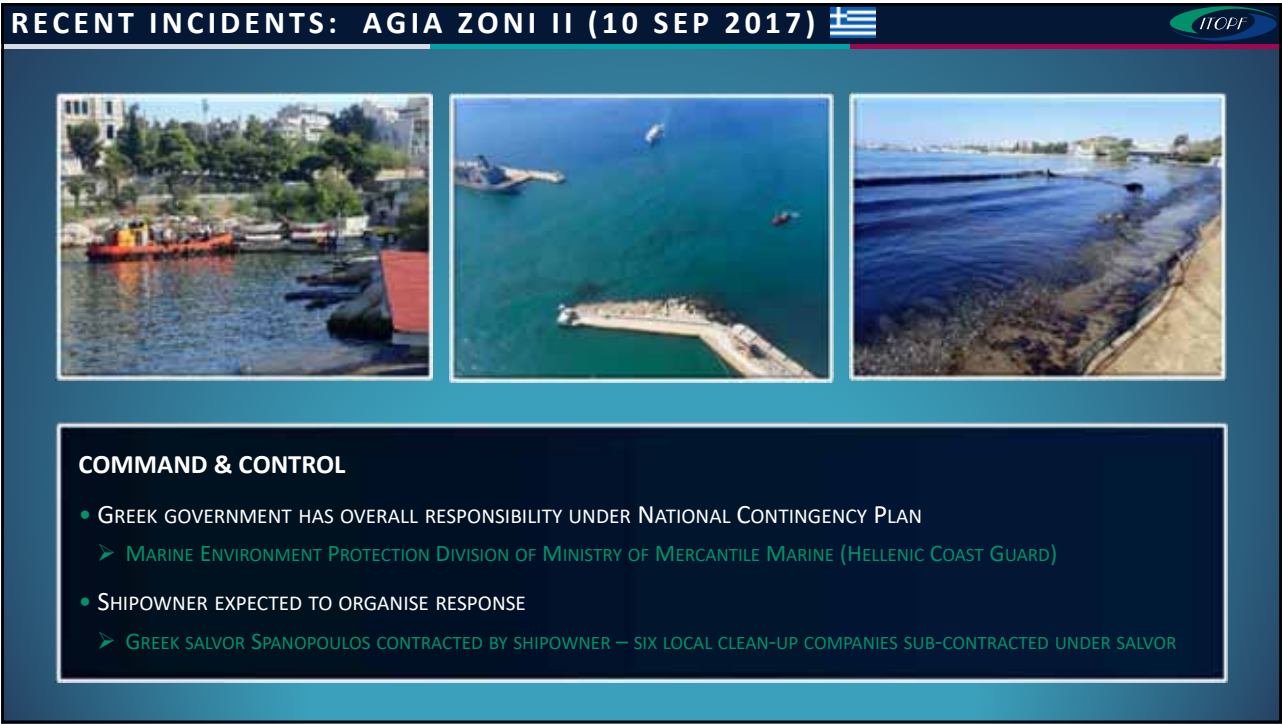
FISHERIES IMPACTS

- NO FISHING BAN PUT IN PLACE BY GOVERNMENT
- NO REPORTS OF 'OIL TAINTING' OF WILD STOCK
- SOME PROPERTY DAMAGE TO BOATS + FISHING GEAR
- 95% CLAIMED LOSSES RELATED TO MARKET CONFIDENCE
- CLAIMS UNDER REVIEW BY P&I CLUB + ADVISERS

RECENT INCIDENTS: AGIA ZONI II (10 SEP 2017)



- AGIA ZONI II (1,597 GT; 3,205 DWT)
- GREEK FLAGGED; BUILT IN 1972
- BUNKER BARGE: 2,362 MT HFO
- SANK IN PIRAEUS ANCHORAGE 02:30
- ESTIMATED 700 M³ OIL SPILLED AT SEA



RECENT INCIDENTS: AGIA ZONI II (10 SEP 2017) 






RESPONSE AT SEA

- ITOPF & CONTRACTORS CARRIED OUT JOINT AERIAL SURVEILLANCE
- LOCAL CONTRACTORS DEPLOYED SMALL OIL RECOVERY VESSELS
 - RECOVERING OIL AT WRECK SITE AND IN NEARSHORE WATERS
- EMSA DEPLOYED LARGER SPILL RESPONSE VESSEL (AKTEA OSRV)
 - TANKER FITTED WITH RIGID SWEEPING ARMS, BOOM AND SKIMMER
- EXTENSIVE BOOM DEPLOYMENT FOR SHORELINE PROTECTION

RECENT INCIDENTS: AGIA ZONI II (10 SEP 2017) 





SHORELINE CLEAN-UP

- CLEAN-UP ACTIVITIES CARRIED OUT ACROSS SEVERAL MUNICIPALITIES
- OPERATIONS DRIVEN BY POLITICAL PRESSURE RATHER THAN TECHNICAL CRITERIA
 - SITE PRIORITISATION, RESOURCE ALLOCATION AND CLEAN-UP TECHNIQUES
- LACK OF OVERALL COORDINATION AND COMPETITION BETWEEN CONTRACTORS
 - SLOW PACE OF WORK, UNCLEAR PLAN, LACK OF COMMUNICATION ON SITE
- REMOVAL OF BEACH MATERIAL RATHER THAN IN-SITU CLEANING
 - EXCESSIVE WASTE PRODUCTION + HIGHLY EXCESSIVE DISPOSAL COSTS
 - ADVISED TO USE CEMENT MIXER TO CLEAN RECOVERED SEDIMENT
- CLEAN-UP IS ONGOING IN DECEMBER – ITOPF REMAIN ON SITE

RECENT INCIDENTS: AGIA ZONI II (10 SEP 2017) 









KEY ISSUE: **SUNKEN OIL**

- EXTENSIVE AREAS ALONG RIVIERA AND SALAMIS
- MANUAL RECOVERY: WADING AND DIVING
- DIVER-OPERATED SUCTION HOSES ALSO USED

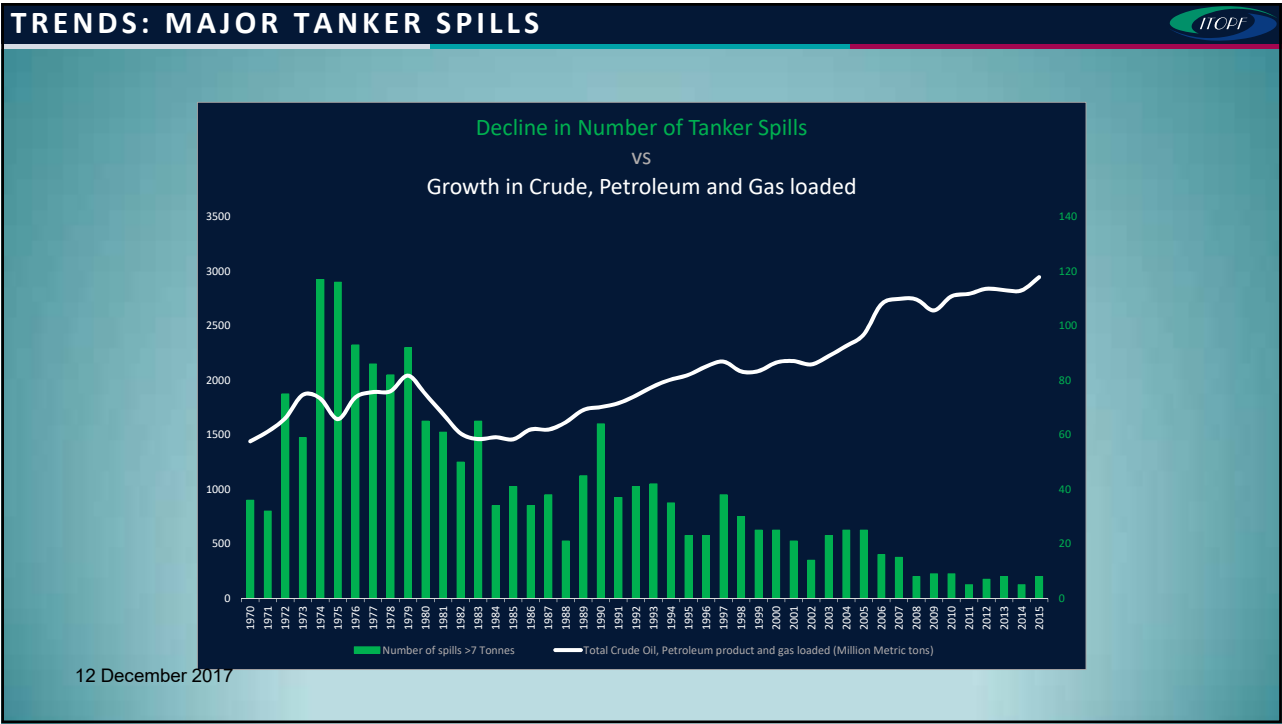
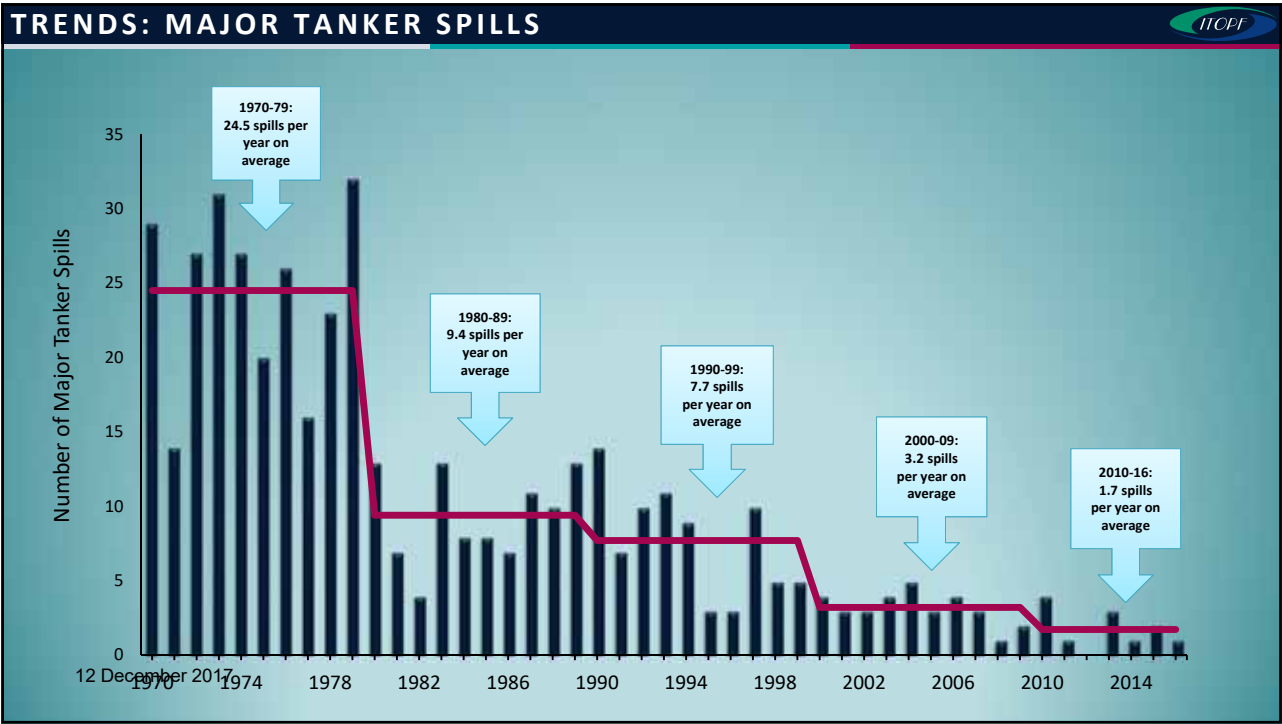
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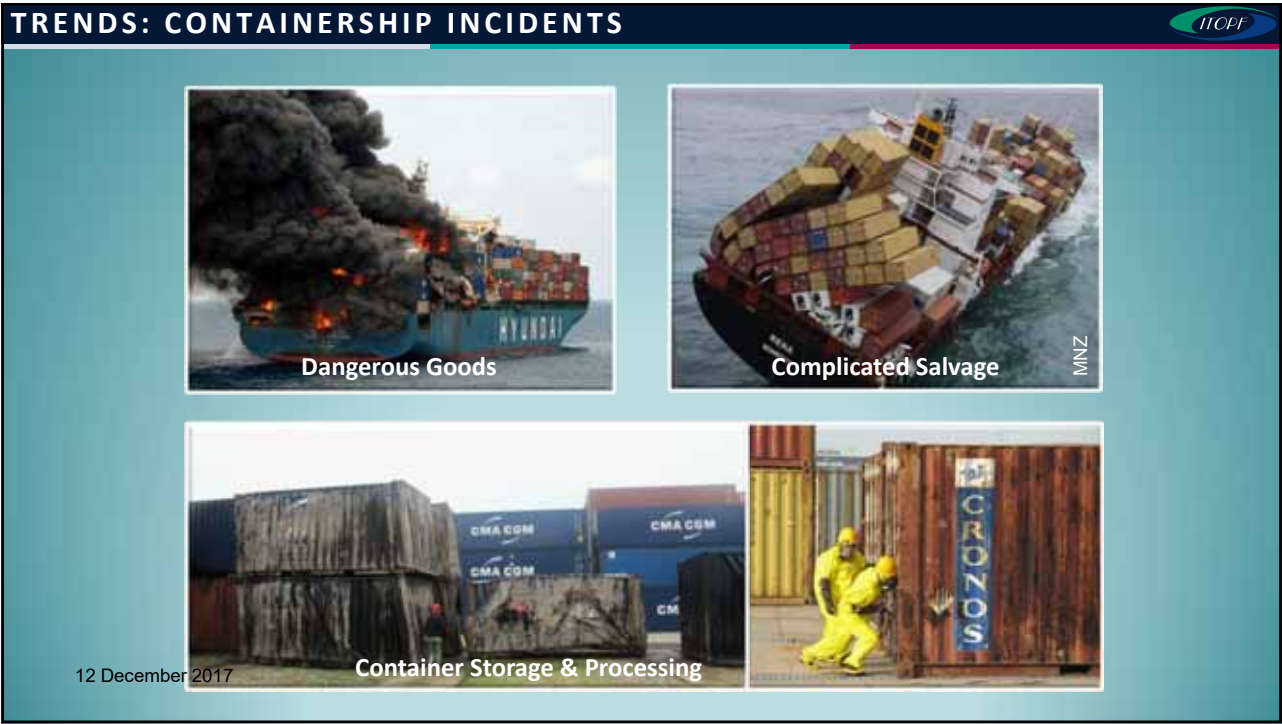
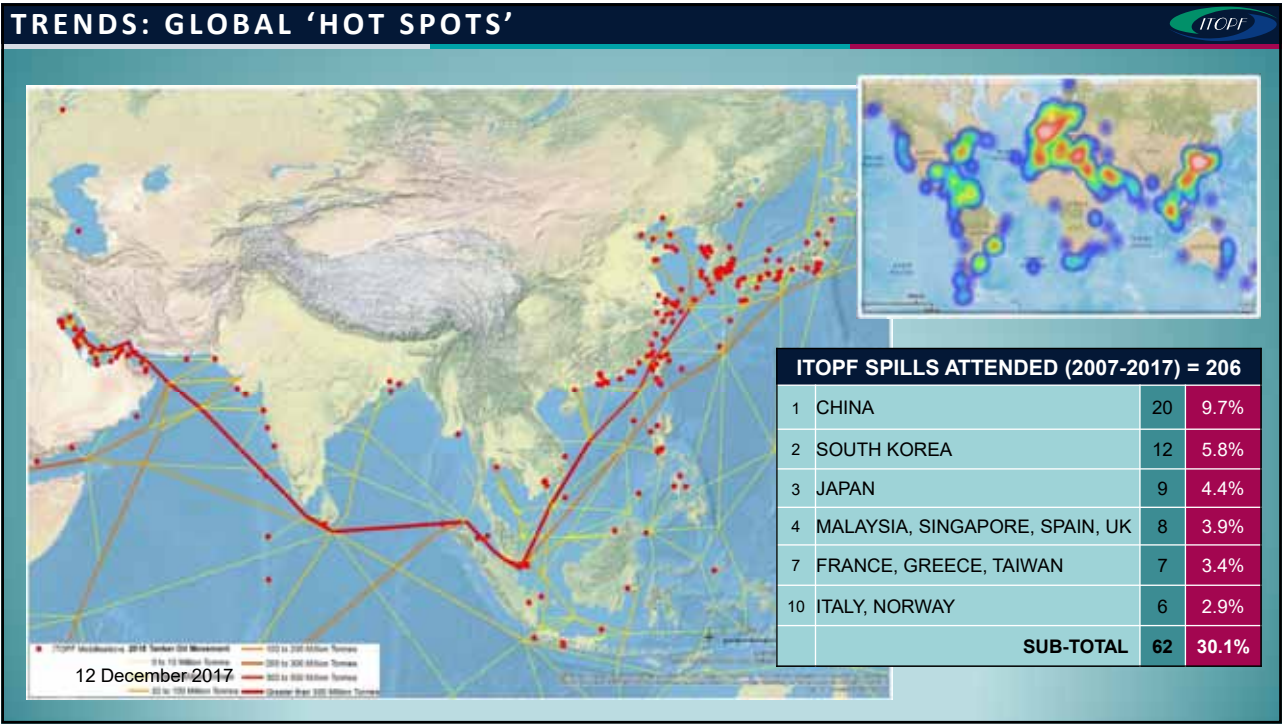




COMPENSATION

- EXTENT OF CLAIMS IS UNKNOWN
- CLC 92 LIMIT = €5.36M
- FUND 92 + SUPPLEMENTARY FUND
- €241M AVAILABLE UNDER FUND 92





THE FUTURE OF SHIPPING SPILLS?

ITOPF



- Continued growth in shipping traffic to/through East Asia (oil & chemicals)
 - Increased risk of spills near major ports + from passing ships?
- Growth in container shipping: 69M – 178M TEU in 15 years
 - Increased risk? HNS issues? Lengthy salvage/ response?
- Potential widespread replacement of bunker oil with LNG?
 - Decreased risk of bunker spills from shipping?

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2017 ... A YEAR TO REFLECT

ITOPF



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THE KEY TO EFFECTIVE RESPONSE?



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