



ARE POST-SPILL STUDIES BECOMING THE NORM?

interspill
AMSTERDAM 2015

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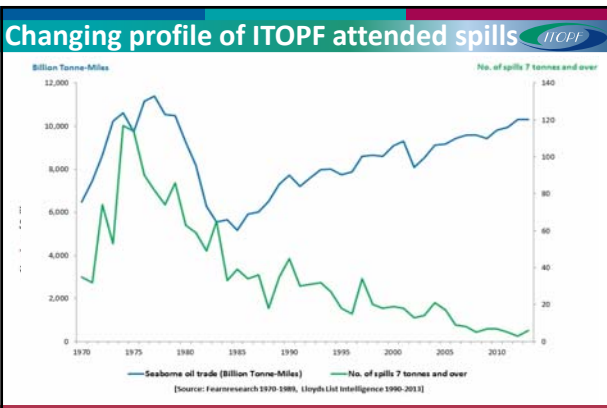


Overview




- Change in profile of ITOPF attended incidents over last 30 years
- Frequency of post-spill studies following ITOPF attended incidents
- Changing attitudes towards studies; are they becoming the norm?
- ITOPF's recent experience of post-spill studies
- Conclusions

Changing profile of ITOPF attended spills


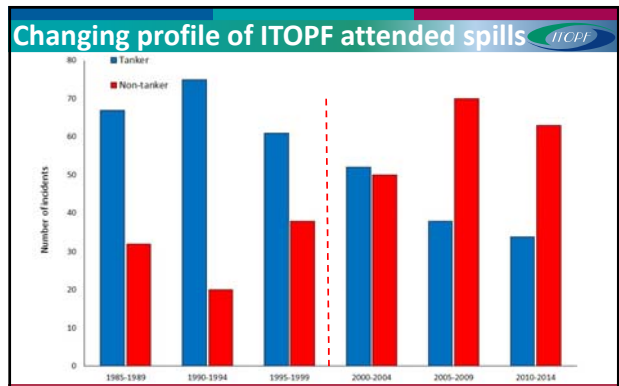



— Seaborn oil trade (Billion Tonne-Miles) — No. of spills 7 tonnes and over

[Source: Fearnsearch 1970-1980, Lloyd's List Intelligence 1990-2013]

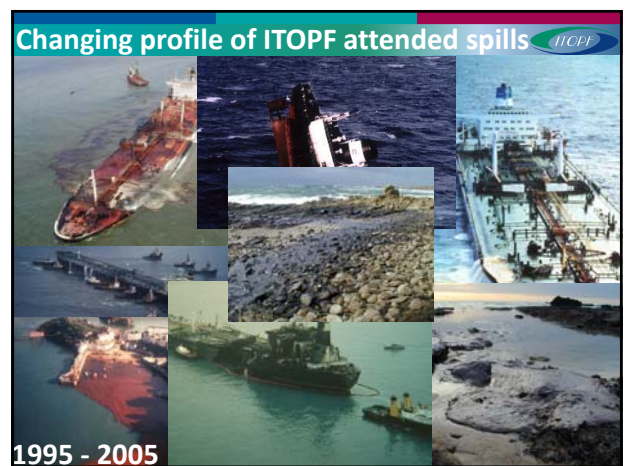
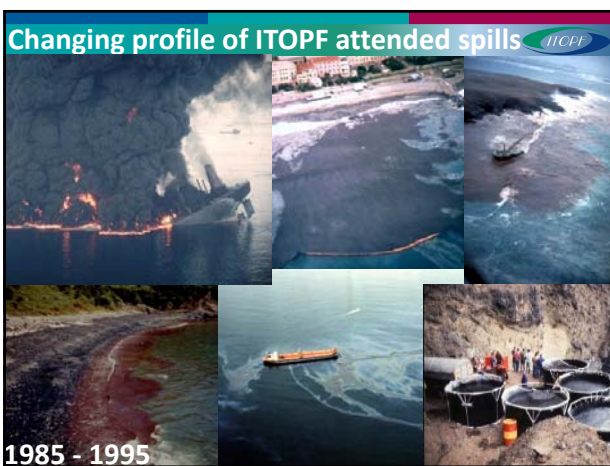
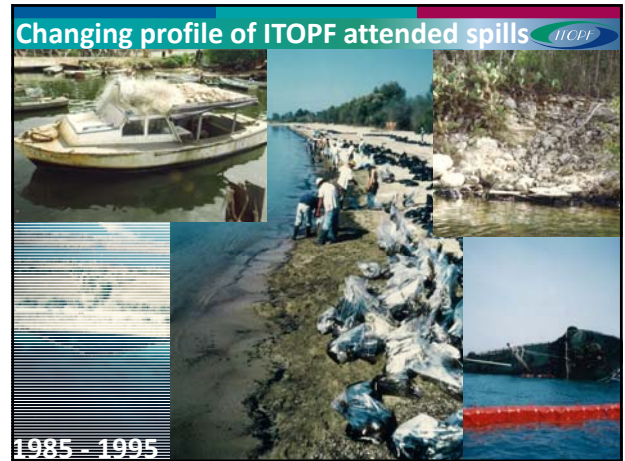
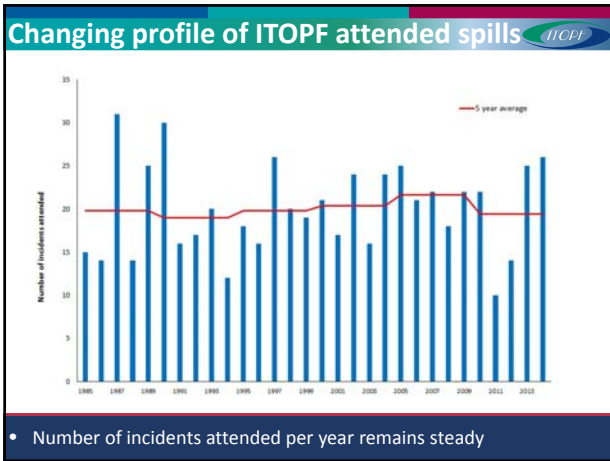
- Clear downward trend in the number of large (>700 MT) tanker spills
- Nearly 25 large spills per year in 1970's, now only around 2 per year

Changing profile of ITOPF attended spills


Period	Tanker	Non-Tanker
1985-1989	~68	~32
1990-1994	~75	~20
1995-1999	~60	~38
2000-2004	~52	~50
2005-2009	~38	~70
2010-2014	~34	~63

- Since early 2000's we have been attending more bunker spills from non-tankers than tanker spills
- Non-tanker owners eligible to become ITOPF Associates since 1999



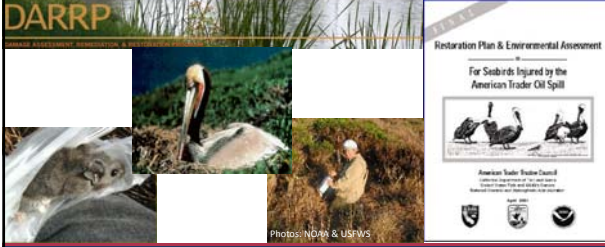


Increase in post-spill studies ITOPF




- Preliminary investigations show that from 1985-1994, ITOPF is aware of studies having been conducted in just over 10% of cases
- Increase in number of studies from mid-1990's onwards
- From 1995 onwards, approx. 40% of incidents involve some aspect of post-spill study

Increase in post-spill studies ITOPF




- Between 1985-1994, over 50% of the post-spill studies carried out for incidents attended by ITOPF were for spills in the US (NRDA)
- However, spills in the US accounted for less than 10% of the total number of incidents attended during those years
- During that period, studies outside of US were mainly carried out for large spills (HAVEN, AGEAN SEA, BRAER etc)

Increase in post-spill studies



- Between 1985-1994 it was very rare to see post-spill studies following small spills (<7MT), vast majority were for large spills (>700MT)
- From 2005-2014, less than 10% of studies were for spills >700MT, rest split equally between spills <7MT and spills of 7-700MT
- Significant increase over the last 30 years in the number of studies being conducted for small spills of <7MT


Why this change in attitude?



Environmental awareness

1970's 1980's 1990's

Are post-spill studies becoming the norm?




- Prior to the mid-1990's approx. 10% of cases involved a post-spill study, this increased to over 40% from 1995 onwards
- Despite over 40% of cases, for each of the periods 1995-2004 and 2005-2014, involving some form of study, it's not possible to reach a universal conclusion that conducting studies is becoming the 'norm'
- Too many variables
- Whilst we can't generalise for all cases, it's increasingly becoming the norm in certain countries

ITOPF's recent experience of post-spill studies



- Increased pressure on Governments to be able to demonstrate an understanding of possible environmental effects after every incident
- The drivers for scientific, robust, post-spill studies are well know amongst scientific community, but not always the rationale followed
- More countries are legislating the need for post-spill studies following spills in certain circumstances
- Depending on how prescriptive the legislation is, there could be less scope to tailor studies to specifics of incident

ITOPF's recent experience of post-spill studies




- Numerous guides on how to physically conduct studies, but ITOPF recommends increased focus on preparing for such studies (organisation/ coordination and consideration of funding sources)
- ITOPF continues to encourage early engagement between governments and those potentially funding the work

Post-spill studies and the future



- Current issues of air emissions, ballast water etc., demonstrate there's still a strong commitment from, and expectation on, the shipping industry
- Increased ITOPF involvement in studies following coral reef grounding cases
- Ratification of the HNS Protocol; preparing for HNS spill response includes capability to monitor such incidents
- Discussions and developments with the European Liability Directive (ELD)

Conclusions



- Increase in number of post-spill studies since the mid-1990's
- Post-spill studies now occur in over 40% of ITOPF attended incidents
- Not appropriate to generalise if such studies are becoming the norm for all ITOPF attended incidents, but is the norm for some countries
- Significant increase in studies following small spills (<7 MT)
- Given the frequency that studies are conducted, esp. in some countries, ITOPF encourages more focus on preparedness for post-spill studies
- ITOPF continues to encourage early engagement between Governments and those potentially paying for the work



Thank You!
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