



## Frequency and Typology of Maritime Incidents in Europe

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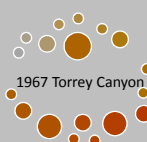
EMSA Risk Assessment workshop  
Interspill, London, 14<sup>th</sup> March 2018



## ITOPF Background



- Operates on a not-for-profit basis
- Funded by the shipping industry
- Based in London
- Attended about 800 spills in 100 countries
- Team of 36, of which 15 are technical emergency responders



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  
50<sup>th</sup>  
Anniversary

36 staff provide objective technical advice to Members (420 million GT) and Associates (792 million GT)

Introduction to ITOPF

## ITOPF Key Services



Aim: promote effective response to marine spills

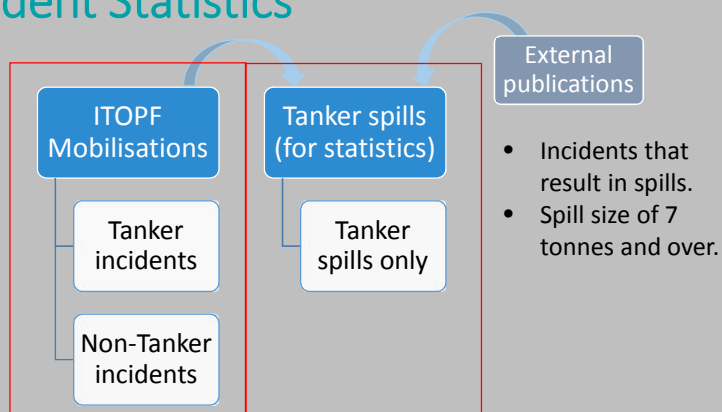


Introduction to ITOPF

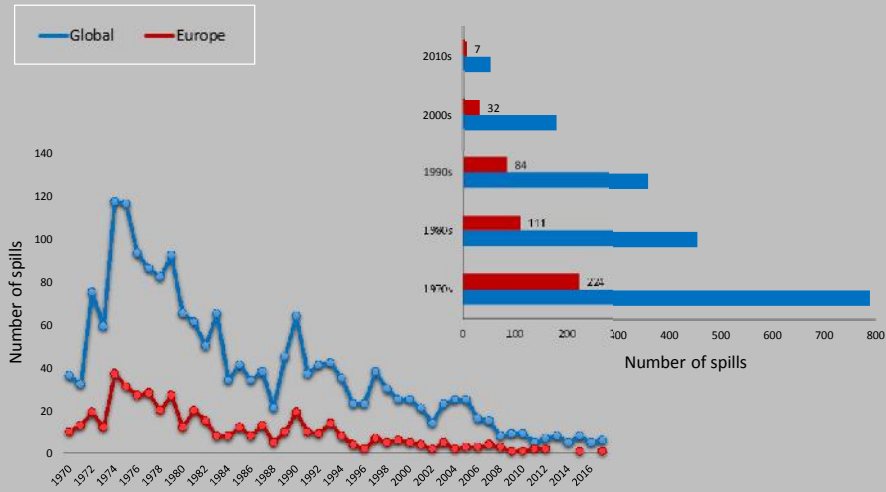
## ITOPF Incident Statistics



- Incidents may or may not result in spills.

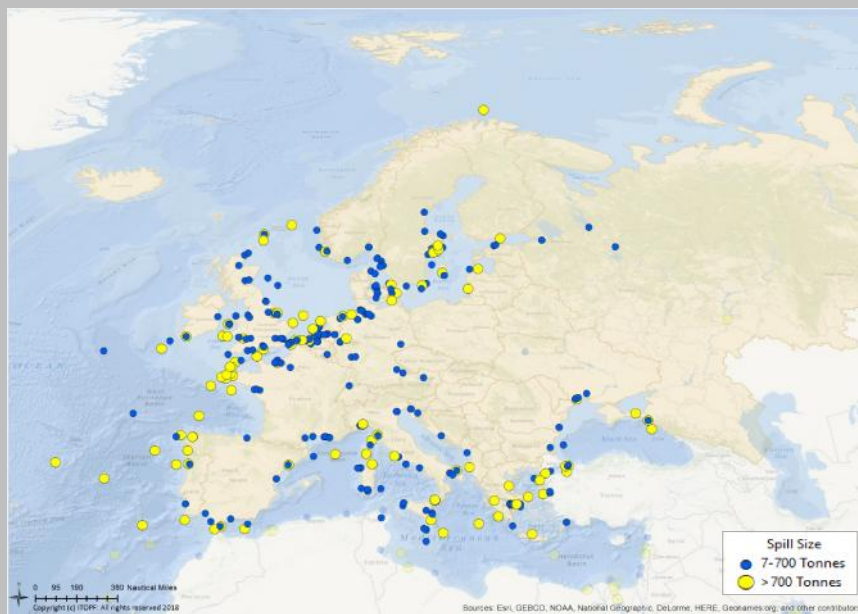


## Tanker Oil Spills: a 48 year trend

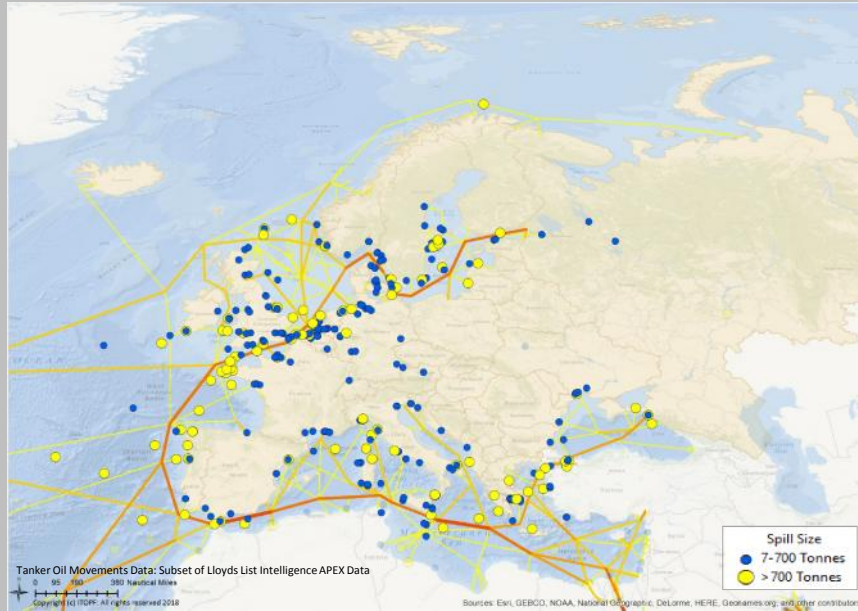


Tanker oil spill statistics

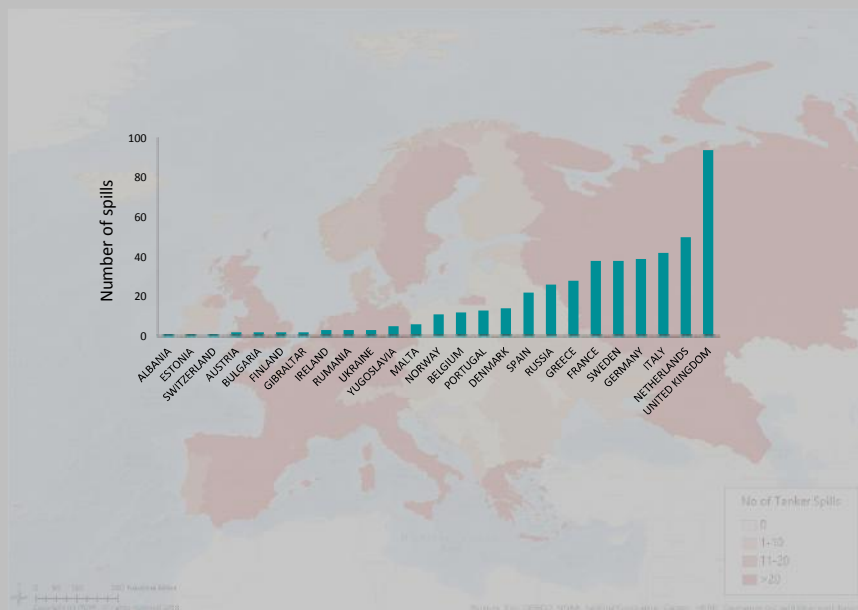
## Location of Incidents in Europe, 1970-2017



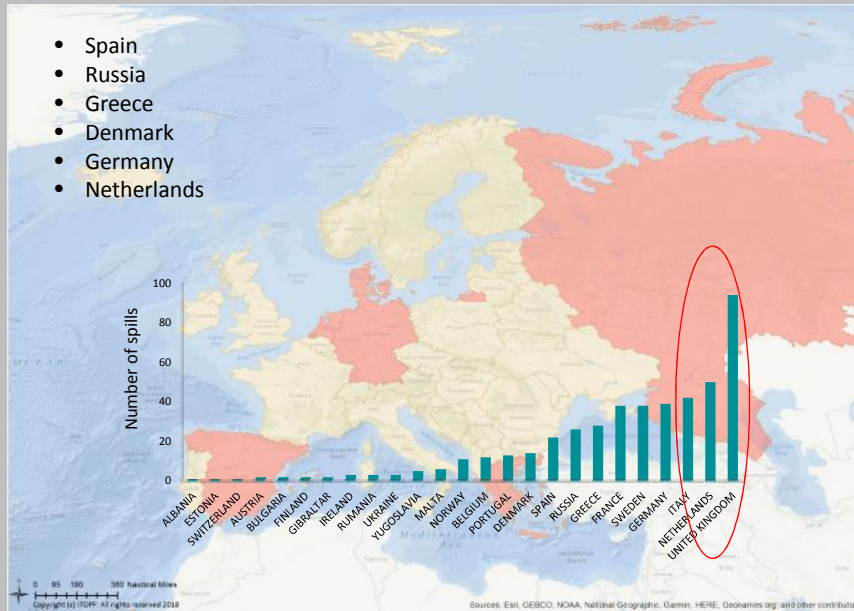
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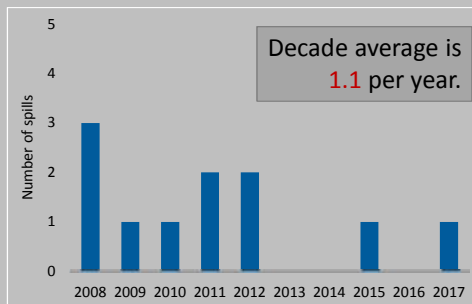
## Location of Incidents in Europe, 1970-2017



## Tanker Oil Spills in Europe, 2008-2017



## Tanker Oil Spills in Europe, 2008-2017



Tanker oil spill statistics

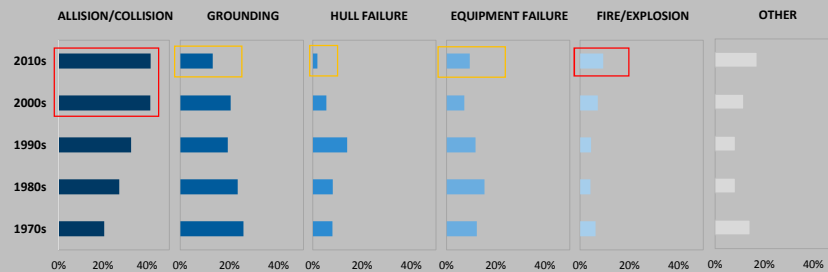


## Causes of Tanker Oil Spills, 1970-2017



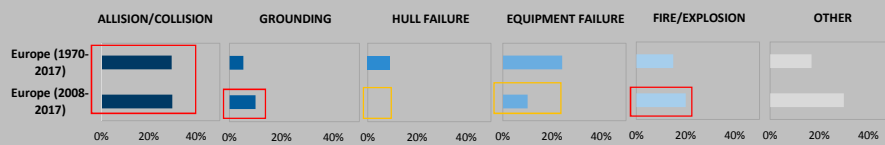
### Global

Percentage of spills by cause per decade



### Europe

Percentage of spills by cause

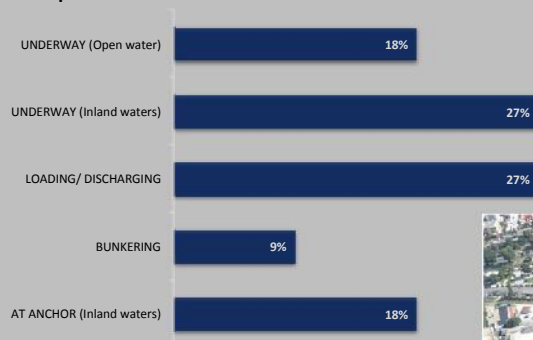


Tanker oil spill statistics

## Tanker Oil Spills: Operations 2008-2017



### Europe

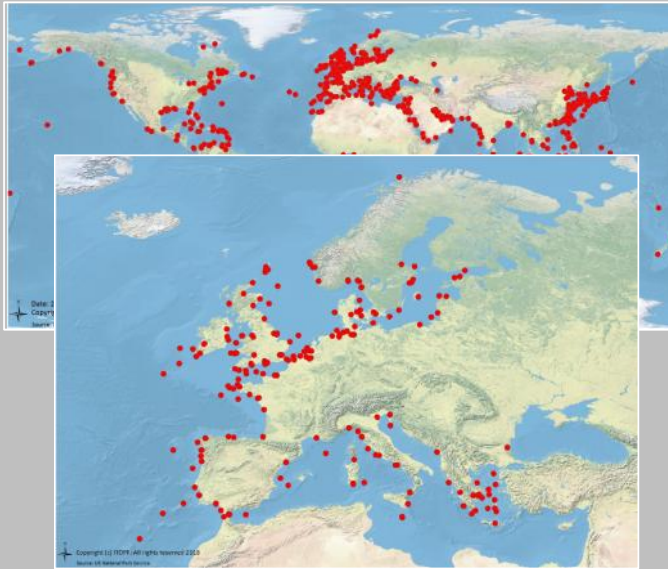


Percentage of spills by operation at time of incident.



Tanker oil spill statistics

## ITOPF Attended Mobilisations: 1970-2017



### Global

**796** Incidents attended  
in **99** countries

### Europe

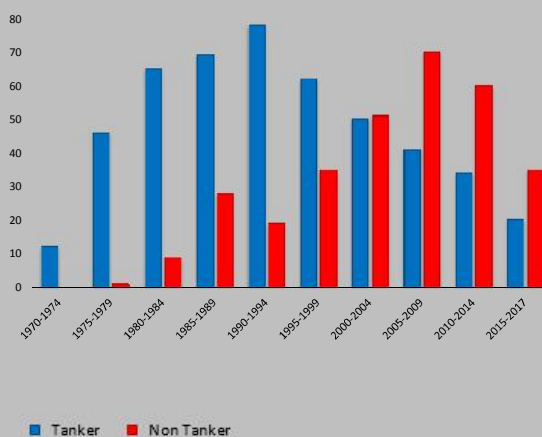
**270** Incidents attended  
in **25** countries

ITOPF mobilisations onsite

## ITOPF Attended Mobilisations: 1970-2017



### Global



- We attend an average of about 20 spills a year.
- We started with tanker incidents.
- Now, two thirds of our mobilisations are non-tanker incidents.

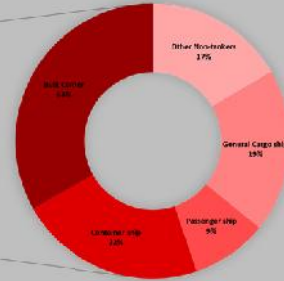
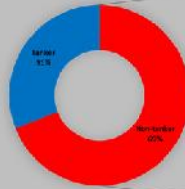
ITOPF mobilisations onsite

## Types of Ships, 2010-2017

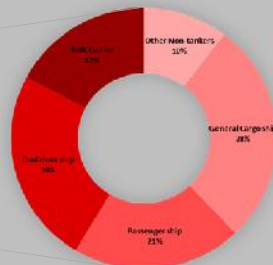
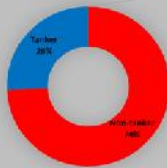


### Global

**143 incidents attended**  
31% - Tanker Incidents  
69% - Non-Tanker Incidents



### Europe



**39 incidents attended**  
26% - Tanker Incidents  
74% - Non-Tanker Incidents

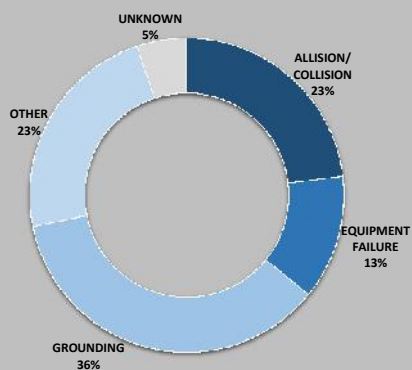
ITOPF mobilisations onsite

## Nature of Incidents Attended, 2010-2017



### Europe

**Top 2 main causes**  
Grounding  
Allision/Collision



ITOPF mobilisations onsite



## Frequency and Types of Spills in Europe

From our tanker oil spill statistics (2008-2017)

- The average number of tanker oil spills ( $\geq 7$  tonnes) in Europe for this decade is around 1 per year.
- Allisions/collisions remain the top category for causes of spills.
- Most incidents occurred while the vessels were underway.

From our marine incident mobilisations (2010-2017)

- Groundings followed by allisions/collisions are the top causes of marine incidents.
- Over a third of incidents resulted in bunker spills.

Conclusion

## INFORMATION SERVICES



[www.itopf.com](http://www.itopf.com)

