

Eurisy Conference. Vigo, 30th June – 3rd July 2003

**The Impact of Satellite Technology on
Maritime Security**

**Maritime Disaster Response
a
Global Perspective**

Jerzy Graff *British Maritime Technology*



Amoco Cadiz 1978



Prestige 2002



Castelle Belevue 1982



Argo Merchant 1976



Exxon Valdez 1989



Erika 1999



Herald of Free Enterprise 1987



Ixtoc I Platform 1980



Piper Alpha 1988

DOES EO HAVE A ROLE TO PLAY IN MARITIME DISASTERS?

If so – what is it ?

WHO ARE THE PLAYERS INVOLVED IN MARITIME DISASTER RESPONSE?

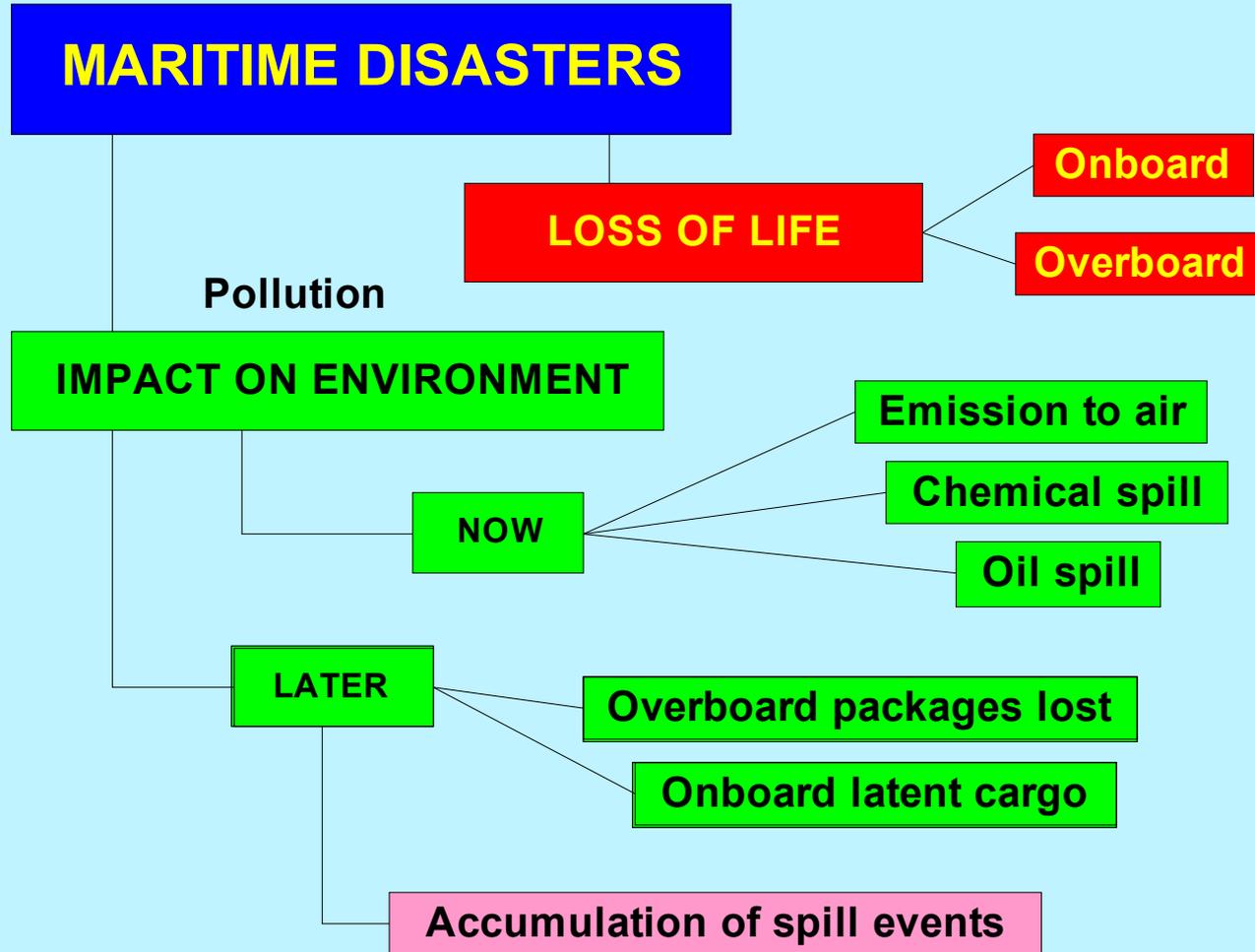
**Do we understand their role and
needs?**

Peacetime Marine Disasters

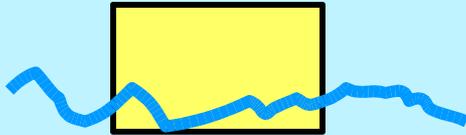
		Loss of Life	Oil Spill
1912	Titanic	1500	
1967	Tory Canyon		120 000 tonnes
1978	Amoco Cadiz		223 000 tonnes
1978	Argo Merchant		77 000 000 gals
1979	IXTOC I		140 000 000 gals
1980	Derbyshire	44	
1987	Herald of Free Enterprise	193	
1988	Piper Alpha	167	
1989	Exxon Valdez		11 000 000 gals
1990*	Mega Borg		5 000 000 gals
1993	Braer		85 000 tonnes
1994	Estonia	850	
1996	Sea Empress		72 000 tonnes
1999	Erika		10 000 tonnes
2002	Prestige		18 000 000 gals



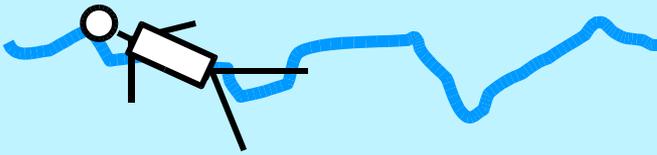
Typifying Maritime Disasters



The Problem to Resolve

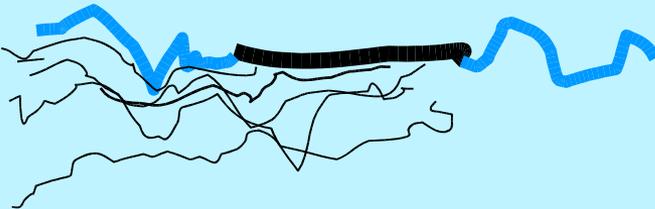


Where are 'they' now and where are 'they' going?



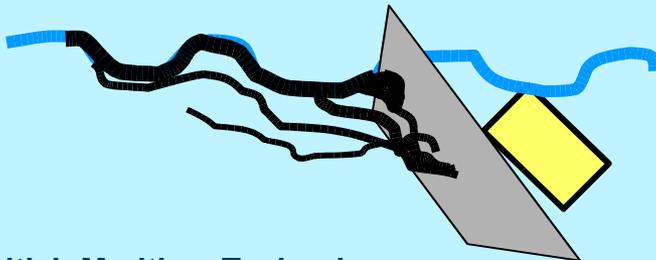
Search and Rescue

- Trajectory & survival



Pollution

- Trajectory & dispersion



Salvage & Pollution

- Fate, consequence, where?

Typifying Response to Maritime Disasters

Technology resources available to all

Best Available Resources

← Scale of Response →

What we can best afford

Rapid Response

← Response to Threat →

Judgement of Threat

Maritime Disaster

Safety of Lives

← Scale of Threat →

Threat to Environment

Global Shipping Control

