

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*



British Maritime Technology

Amoco Cadiz 1978



Prestige 2002



Castelle Belevue 1982



Erika 1999



Exxon Valdez 1989



Argo-Merchant 1976



Piper Alpha 1988



Herald of Free Enterprise 1987



Ixtoc I Platform 1980



DOES EO HAVE A ROLE TO PLAY IN MARITIME DISASTERS?

If so – what is it ?

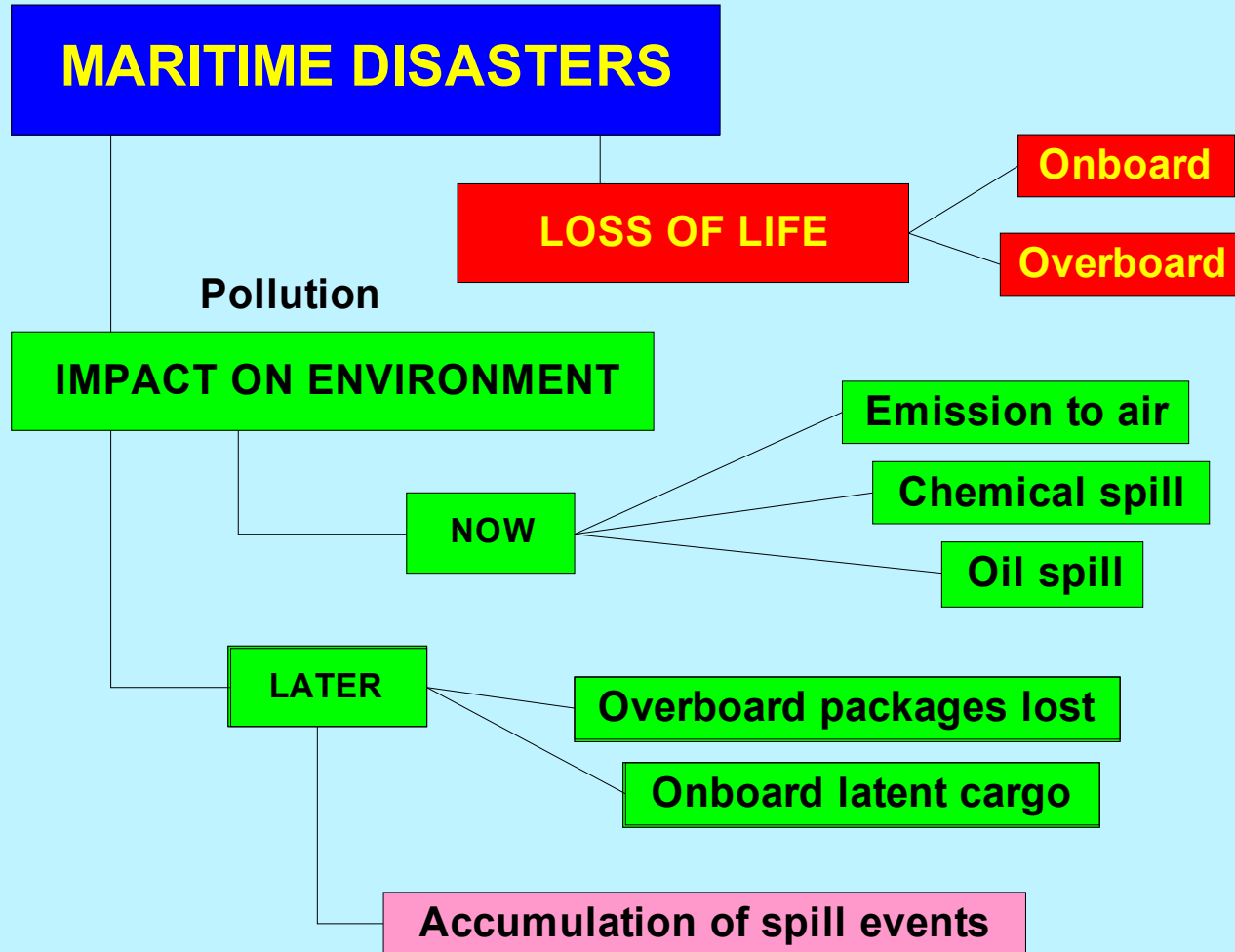
WHO ARE THE PLAYERS INVOLVED IN MARITIME DISASTER RESPONSE?

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

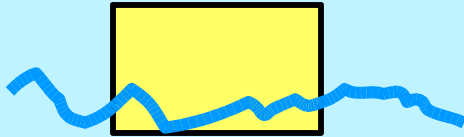
Peacetime Marine Disasters

		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

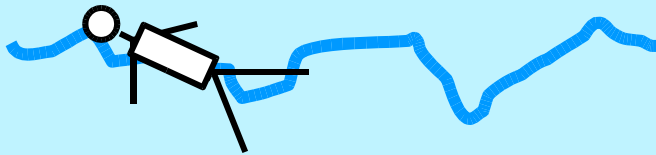
Typifying Maritime Disasters



The Problem to Resolve

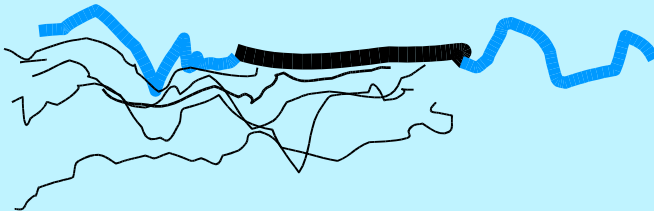


Where are 'they' now and where are 'they' going?



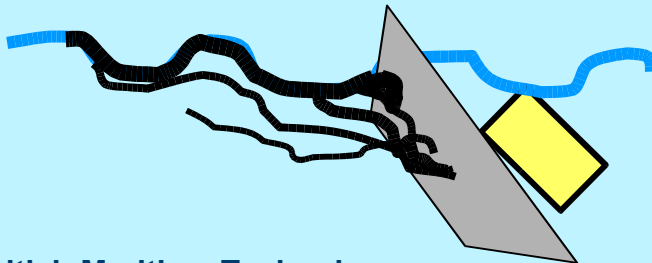
Search and Rescue

- 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

