



BCSEA Project

Training on IMO Code and EU Directive on Accident Investigation

Introduction

Kiev, 9-10 April 2019

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B.2.3 Marine Accident Investigation
Ship Safety



Discuss on **basic elements** in the process of conducting a safety investigation

Common understanding on :

- Legal framework for AI (IMO + EU)
- Key principles
- Operational readiness
- Approaching the Accident site
- Analysis model: an application with ECFA

Case studies

More to come in the CSC!

Agenda

Tuesday, 09 April 2019

Timing	Agenda Item	Comment
Morning session (09:00 – 12:30)	Introduction / Purpose of Workshop	The aim of the workshop is to inform the participants about the international and EU legislative framework in the field of marine casualty investigation and provide some practical tools to analyse marine casualties and incidents.
	State Service of Marine and River Water Transport of Ukraine	General overview of principles and practice of marine accident investigations in Ukraine
	EMSA and AI	To clarify the mandate of the Agency in the field of AI
	International Instruments and obligations - Purpose and key principles	To outline the international background to marine accident investigation and to identify the stakeholders relevant for marine accident legislation (IMO and sub-committees)
	EU legislation in the field of AI	Accident Investigation purpose and Key Principles: provisions stemming from AI Directive and related EU legislation
Afternoon session (13:30 – 17:00)	Operational readiness and work processes	Principles/best practices supporting the set-up of the AIB and the initial phases of the investigation, including coordination / cooperation with other interested States (EU MS and 3 rd Countries)

Agenda

Wednesday, 10 April 2019

Timing	Agenda Item	Comment
Morning session (09:00 – 12:30)	Accident site assessment, site hazard identification and risk assessment	Principles and good practices to approach the accident site
	Physical evidence Collection	Principles and good practices to collect physical evidence
Afternoon session (13:30 – 17:00)	ECFA model	Application of the ECFA model to the analysis of marine casualties



- Set up in 2002
- 200+ employees
- Budget (2018): € 77M approx.

Provides
technical
advice to EU
COM and MS

Supports the
proper
implement. of
the EU
maritime
legislation

Fosters
technical co-
operation and
disseminate
best practice

Manages
operational
tools: IMS,
SSN, LRIT,
CSN,
EMCIP,
THETIS
databases



- 12 December 1999 off the coast of Brittany

Erika sinks



Decision to reinforce the EU maritime legislation

- Erika safety packages (I, II, III)



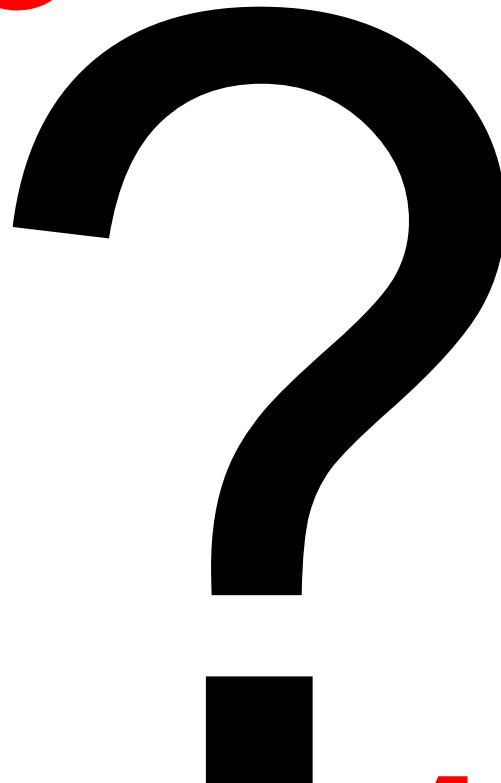
- EMSA established

Reg EC 1406/2002

- **Facilitate cooperation between EU MS**
 - Secretariat to PCF
- **Support the Member States / 3rd Countries**
 - Training initiatives / Capacity building
 - Technical notes for safety reports
 - Operational Support in investigation of VS/S
- **Database manager of EMCIP**
- **Analysis of casualty data and safety reports**
 - Safety studies
 - Annual overview
- **Assist the Commission to assess implementation of legislation**
 - Visit to MS.

- **Investigate casualties**
- **Populate EMCIP**
- **Correct information provided by the MS in EMCIP**
- **Qualify investigators.**

46



50

1

15

3,360 marine accidents in 2017...

77 very serious casualties
68 lives lost
1,046 injuries

3,647 ships involved

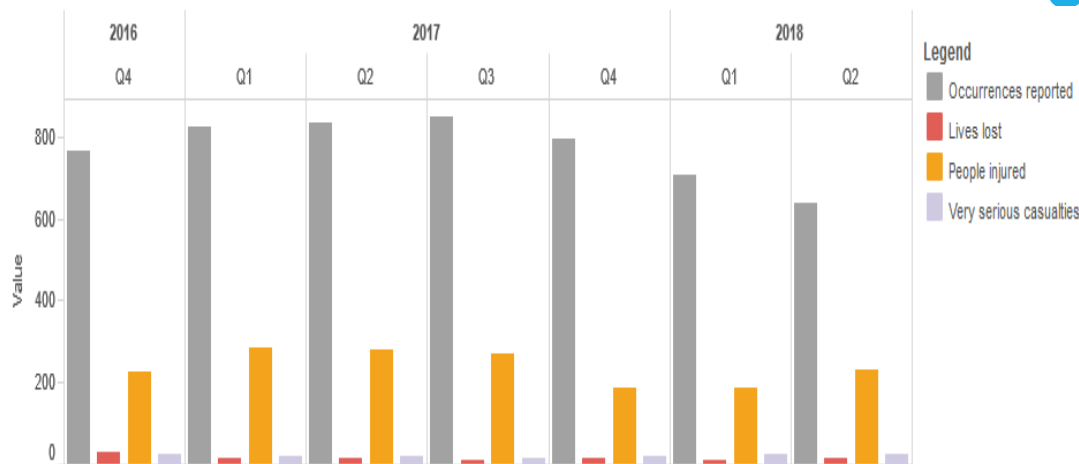
1,584 general cargo

872 pax vessels

590 F/Vs

404 service ships

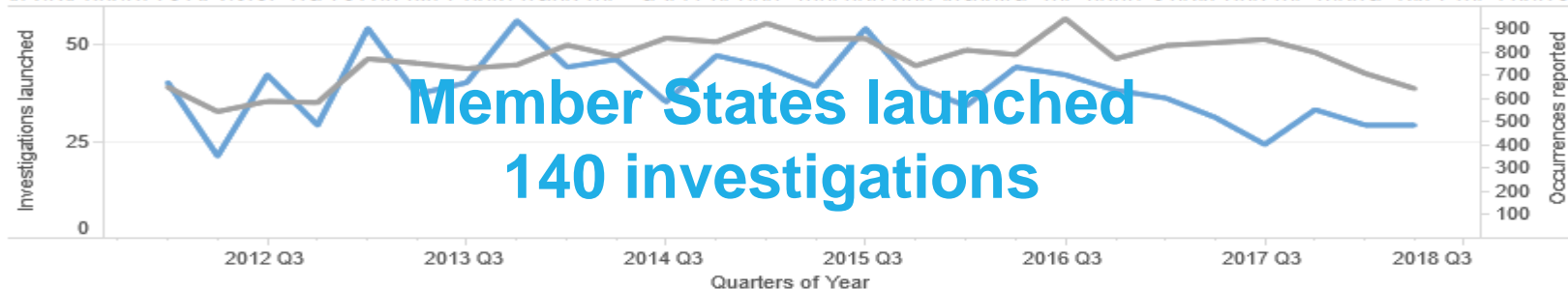
197 others (inland etc)



Accident Investigation - Quarterly Key Figures

Occurrences Reported & Investigations Launched

The number of occurrences reported in EMCIP under the scope of Directive 2009/18/EC is shown on the right-hand Y axis and the number of launched investigations (ongoing and finished) can be found on the left-hand Y axis. These are compared to the date of casualty, provided in yearly quarters (X-axis). Users can filter data using the "select period" function and visualise the figures hovering the mouse over the charts.



Member States launched
140 investigations

Thank you for your attention!



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 **EMSA**
European Maritime Safety Agency