



Maritime threat to be addressed by the scenario is (POLLUTION) in different scale and joint reaction between EU authorities. The scenario aims to represent mutual cooperation between European maritime countries for detecting, monitoring and sanction against vessels violating MARPOL Convention. The goal is achieved and improved by using the Common Information Sharing Environment (CISE). The use-case is elaborated in a manner to be flexible and to cover wide variety of situations between different countries and authorities. Maritime domain awareness in regard of environment protection within EU waters prove the benefits of decentralized approach and omnibus pattern of reaction.



The scenario involves

- Executive Agency Maritime Administration, Bulgaria (EAMA)
- Hellenic Republic Ministry of National Defence, Greece (HMOD),
- Agenzia Spaziale Italiana, Italy (ASI),
- Service Hydrographique et Océanographique de la Marine, France (SHOM),
- Ministère de la Transition Écologique, France (MTE)
- Direction Nationale Garde-Côtes des Douanes, France (DNGCD)



The scenario represents example of probable actions and information exchange through CISE, which goal is to elaborate a pattern for operational use between any CISE Node holders to react in similar cases.

Remark: stakeholders above are used to illustrate the probable variant of the scenario. The POLLUTION response can include many different partners engaged in their own way to similar scenarios.

26 July 2024

TRIAL SCENARIO DESCRIPTION

POLLUTION RESPONSE

1 In order to address pollution incident authority (BG) requires initial information (VOI List) to assess the situation and movement of suspected in pollution vessel;

Authority (GR), (FR) returns information to (BG).

2 Authority (BG) accepts the vessel as a potential polluter, determine route on basis the information received and warns the other participant about the potential associated risk (Risk Profile Service) for that vessel;

3 Other participants (GR), (IT), (FR) increase the attention on this vessel and monitor the movement and actions of the vessel. Partner (IT) obtains evidence of pollution (Satellite Image) confirms that real pollution exists and issues (Event Report "Incident") to (BG), (FR), (GR) regarding a very high probability for pollution by the vessel.



4 Authority (BG) Increase the risk associated to the vessel "X", as very probable and promulgate it to (GR), (IT), (FR) (Risk Profile Service)

5 Authority (FR) issue NAVWARN to increase the vigilance and to advice the shipping and authorities in the region about the associated hazards in the region (Risk Profile Service).

6 Authority (FR) take legal actions to inspect the vessel at the port of destination and give feedback on the actions to all. All collected evidences are transferred between end partners for further prosecution, the case is considered closed from operational side.

BENEFITS USING CISE

Common Information Sharing Environment (CISE) as a powerful single tool for rapid sharing safety and security information among the stakeholders provide the important feature of Maritime domain awareness. Benefits associated with the above are:

- Increasing the attention over a marine object or area between each stakeholder regardless the location, track, activities and type of the object and allowing them to take appropriate measures according their involvement in administrative or operational duties;
- Further improve gathering and exchange of additional information for the above object/area through CISE enabling analysis over complete real-time data;
- Allow decentralized reaction of the EU countries, without leading authority "APPLICABLE FOR THE CURRENT SCENARIO ONLY" and avoiding common operational procedure.



Scan the QR Code for More Information on CISE ALERT project!

<https://www.cise-alert.eu/>



Co-funded by the European Union. Views and opinions expressed are however those of the author(s) only and do not necessarily reflect those of the European Union or the European Climate, Infrastructure and Environment Executive Agency (CINEA). Neither the European Union nor the granting authority can be held responsible for them.



Poster designed by the Italian Space Agency as organizer of the VIP Days in Rome on 11-12 September 2024 in the frame of the CISE's operationalization launch through A Long Endurance and Real live Test project