

Demonstration 3 (CISE): SAR Scenario / Cooperation and coordination improved thanks to CISE

Speaker:

Hervé METAYER

MTE – General directorate of maritime
affairs, fishery and aquaculture (DGAMPA)



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2024



ASI Headquarters
Via del politecnico snc,
00133 Roma (Italia)



CISE-ALERT

CISE's operationalization launch through A Long Endurance and Real live Test

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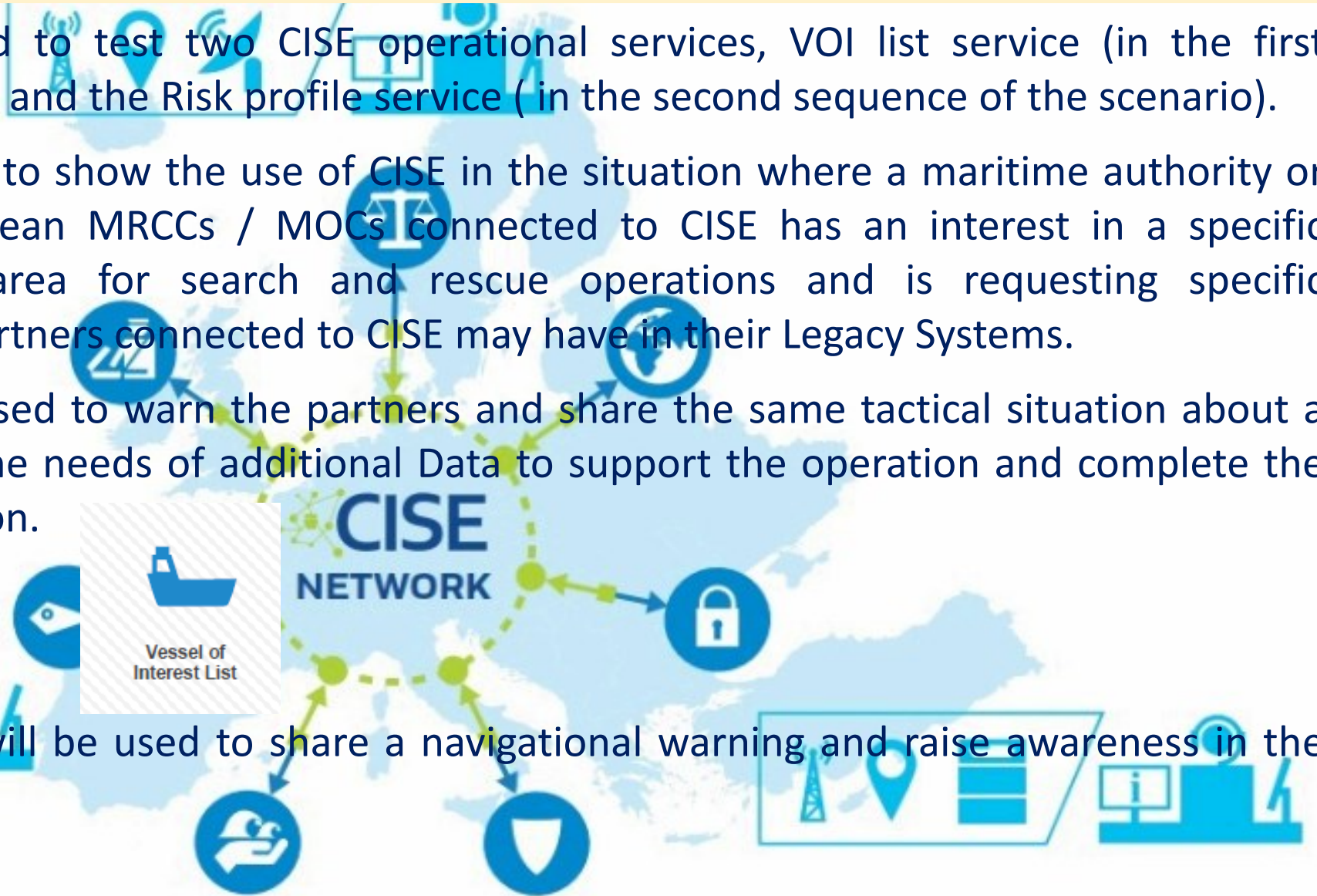
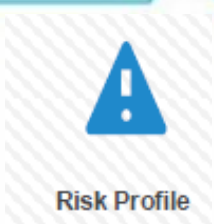
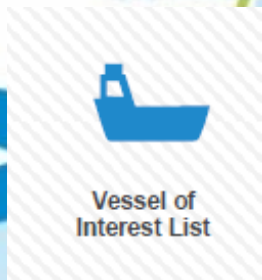
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1 - Context and need

- This use case is intended to test two CISE operational services, VOI list service (in the first sequence of the scenario) and the Risk profile service (in the second sequence of the scenario).
- This use case is intended to show the use of CISE in the situation where a maritime authority or Agency related to European MRCCs / MOCs connected to CISE has an interest in a specific maritime geographical area for search and rescue operations and is requesting specific information that other partners connected to CISE may have in their Legacy Systems.
- The VOI service will be used to warn the partners and share the same tactical situation about a potential SAR case and the needs of additional Data to support the operation and complete the assessment of the situation.
- The Risk profile service will be used to share a navigational warning and raise awareness in the area.





2 - Participants - MOCs / LS used



MTE-DGAMPA



SHOM

HYDROGRAPHIC AND OCEANOGRAPHIC SERVICE



HMOD



EAMA



SEAMIS/ PELAGUS



PING

NSS

CISE
NETWORK



InBulMarS



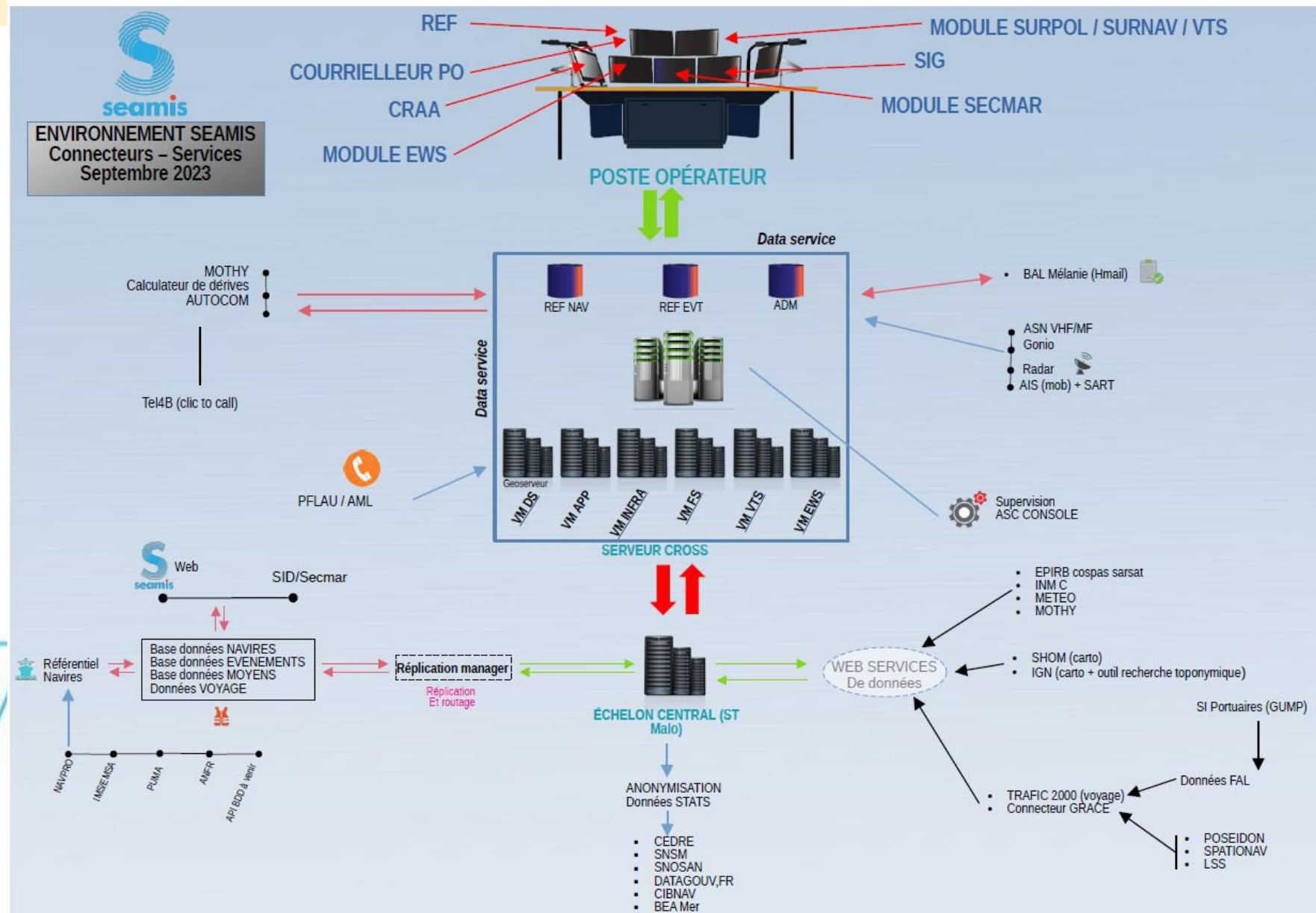


2 - Participants - MOCs



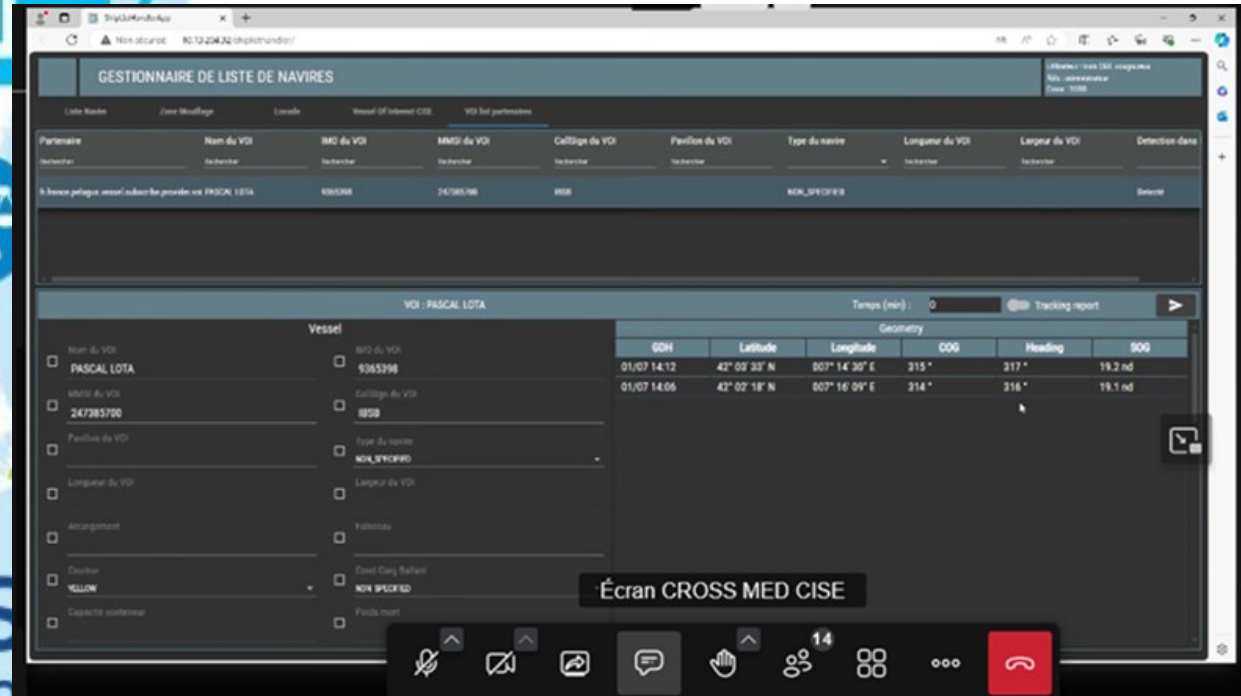
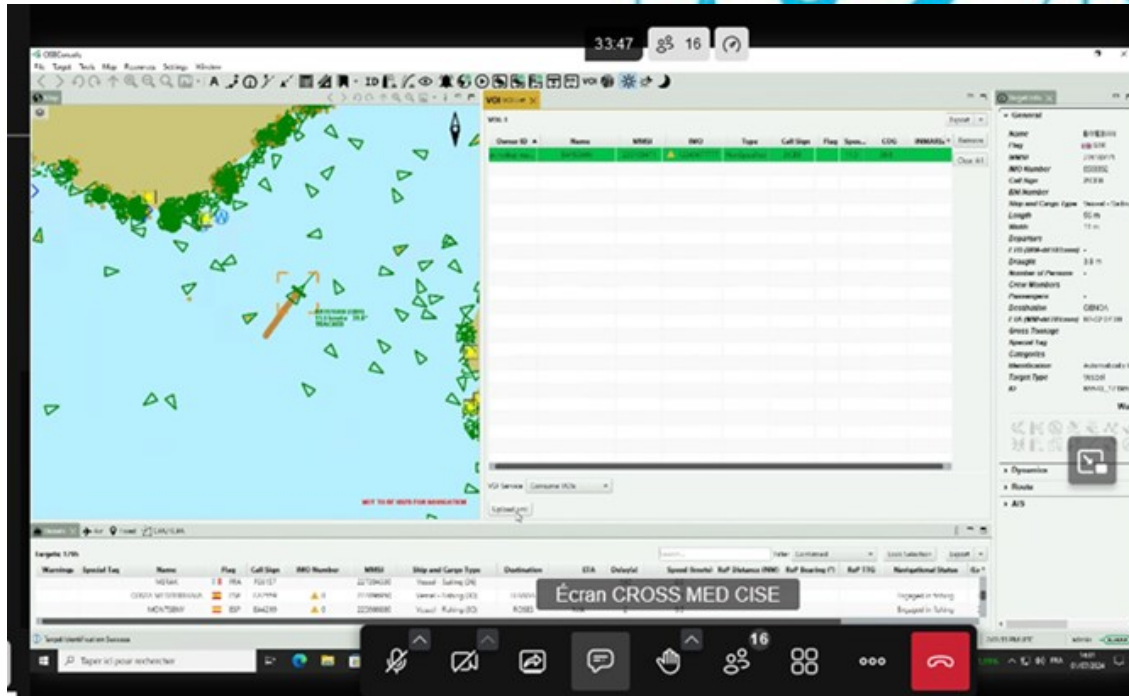


3 –MRCC La Garde – Legacy System





3 –MRCC La Garde – Legacy System



PELAGUS / ELMANN



SEAMIS / NAVAL GROUP





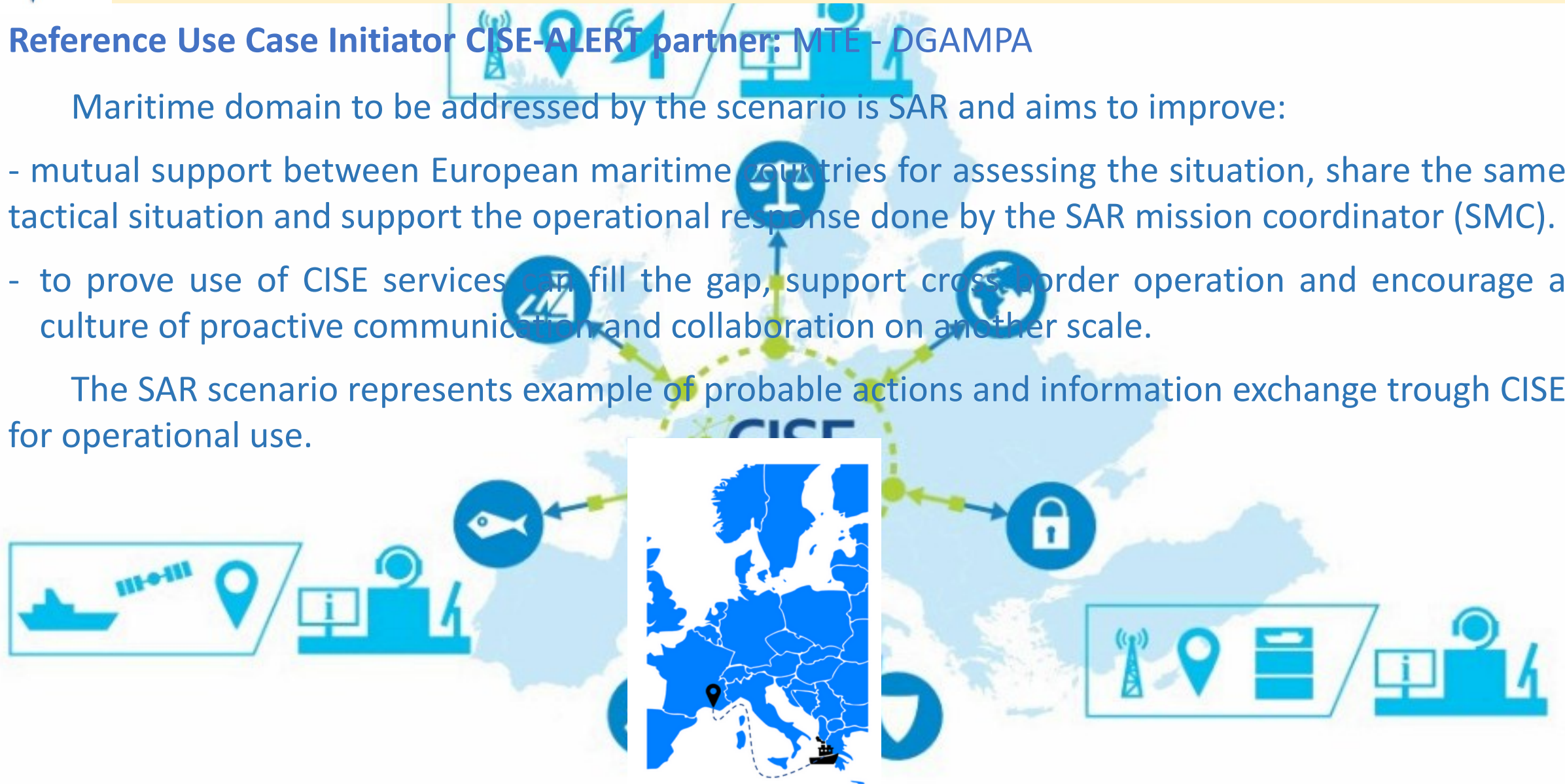
4 - SAR scenario - General description

Reference Use Case Initiator CISE-ALERT partner: MTE - DGAMPA

Maritime domain to be addressed by the scenario is SAR and aims to improve:

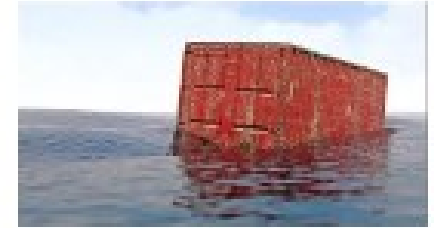
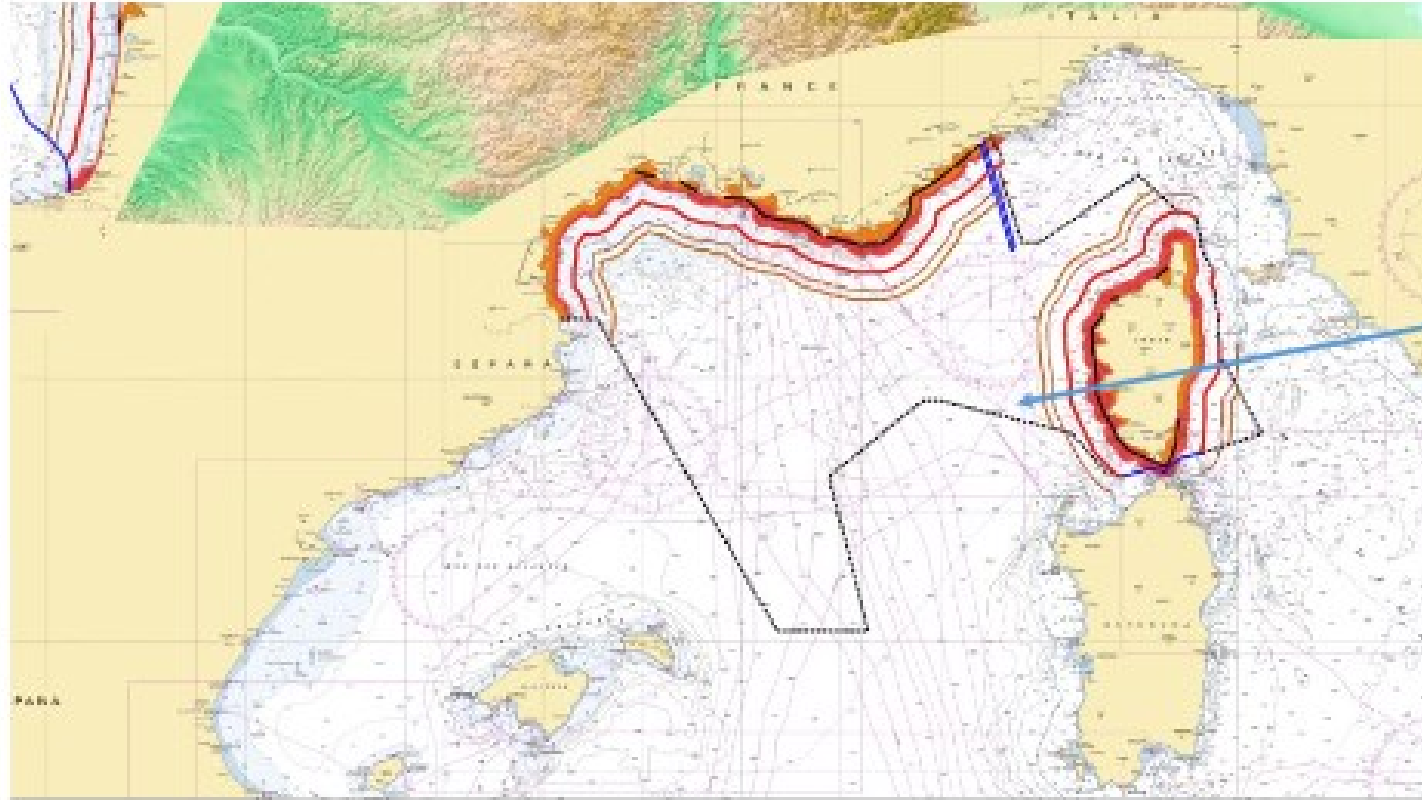
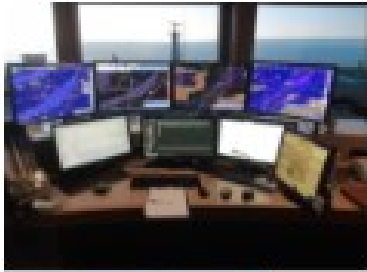
- mutual support between European maritime countries for assessing the situation, share the same tactical situation and support the operational response done by the SAR mission coordinator (SMC).
- to prove use of CISE services can fill the gap, support cross border operation and encourage a culture of proactive communication and collaboration on another scale.

The SAR scenario represents example of probable actions and information exchange trough CISE for operational use.





4 - SAR scenario - General description





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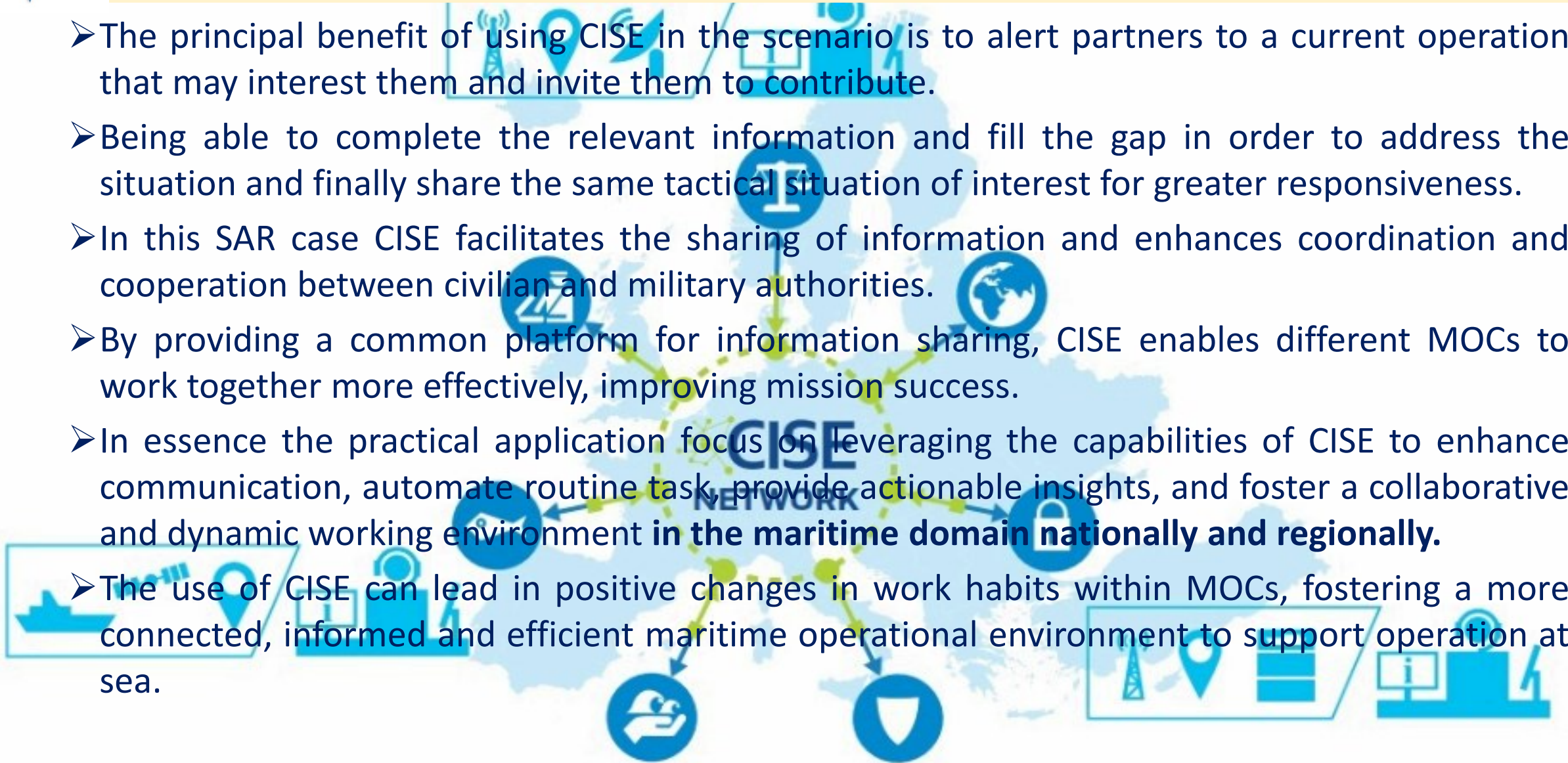
6 – Lesson learnt

- The need to have a robust node and stability
- Very fluid exchange of information between partners via the VOI list operational CISE service.
- Several tests were carried out between the partners and in both directions without any problems encountered.
- The exchanges carried out are promising for future developments and for the use of CISE in routine mode within an operational environment (MOC).
- Partners CISE services by CISE-ALERT include different attributes due to development choices for their adaptors. **Harmonization is needed**
- **Positive user experience** from MOCs operators, importance of the IHM of the LS
- **Training is a key point.** The operator should have a general knowledge of the Common Information Sharing Environment in order to understand where the shared data comes from and by whom and if a response is expected.
- **The importance to develop SOPs, will** play a crucial role in guiding partners on how to effectively use the functionalities of the Common Information Sharing Environment (CISE).



7 - Benefits of using CISE

- The principal benefit of using CISE in the scenario is to alert partners to a current operation that may interest them and invite them to contribute.
- Being able to complete the relevant information and fill the gap in order to address the situation and finally share the same tactical situation of interest for greater responsiveness.
- In this SAR case CISE facilitates the sharing of information and enhances coordination and cooperation between civilian and military authorities.
- By providing a common platform for information sharing, CISE enables different MOCs to work together more effectively, improving mission success.
- In essence the practical application focus on leveraging the capabilities of CISE to enhance communication, automate routine task, provide actionable insights, and foster a collaborative and dynamic working environment **in the maritime domain nationally and regionally.**
- The use of CISE can lead in positive changes in work habits within MOCs, fostering a more connected, informed and efficient maritime operational environment to support operation at sea.





8 - Questions

