



Common Information Sharing Environment (CISE)

Introduction to CISE

Meeting of Technical Expert Group (TEG)
on Data for MSP

18 April 2023

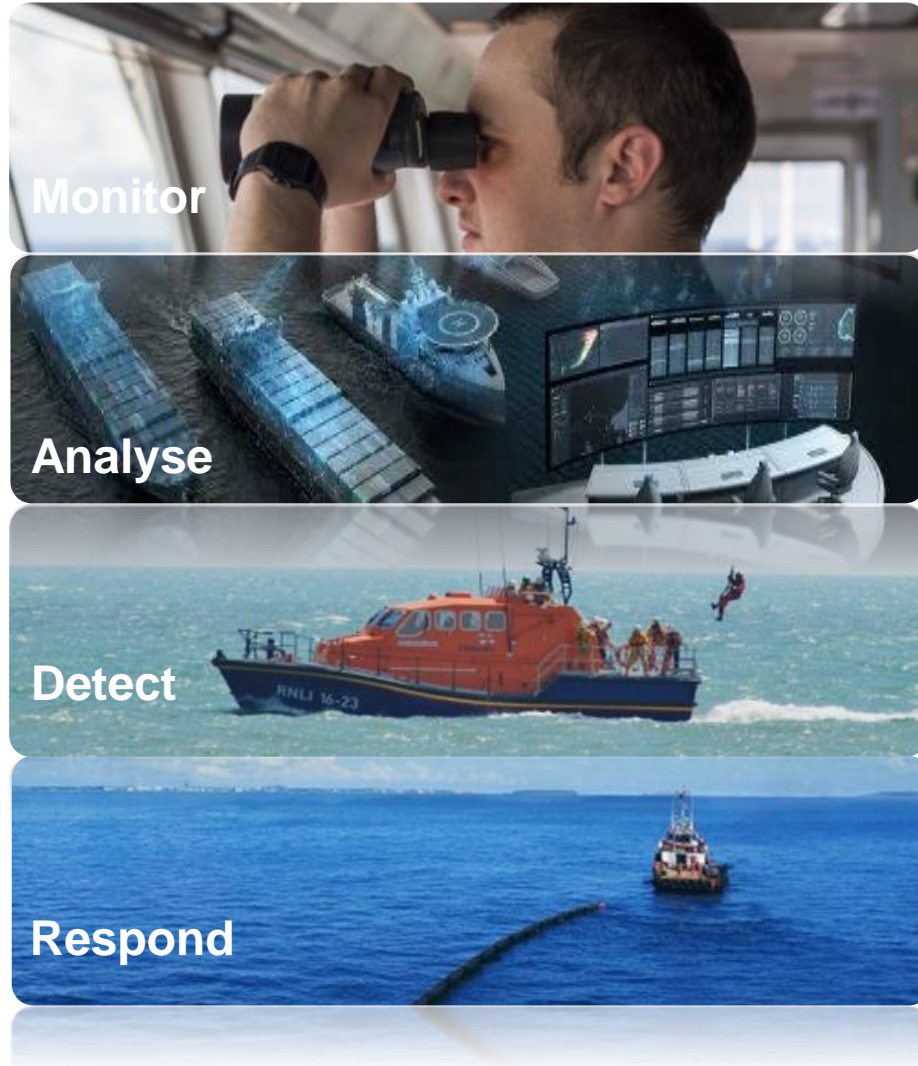
Common Information Sharing Environment (CISE)

CISE is a network that **connects** systems of authorities with responsibility in maritime surveillance

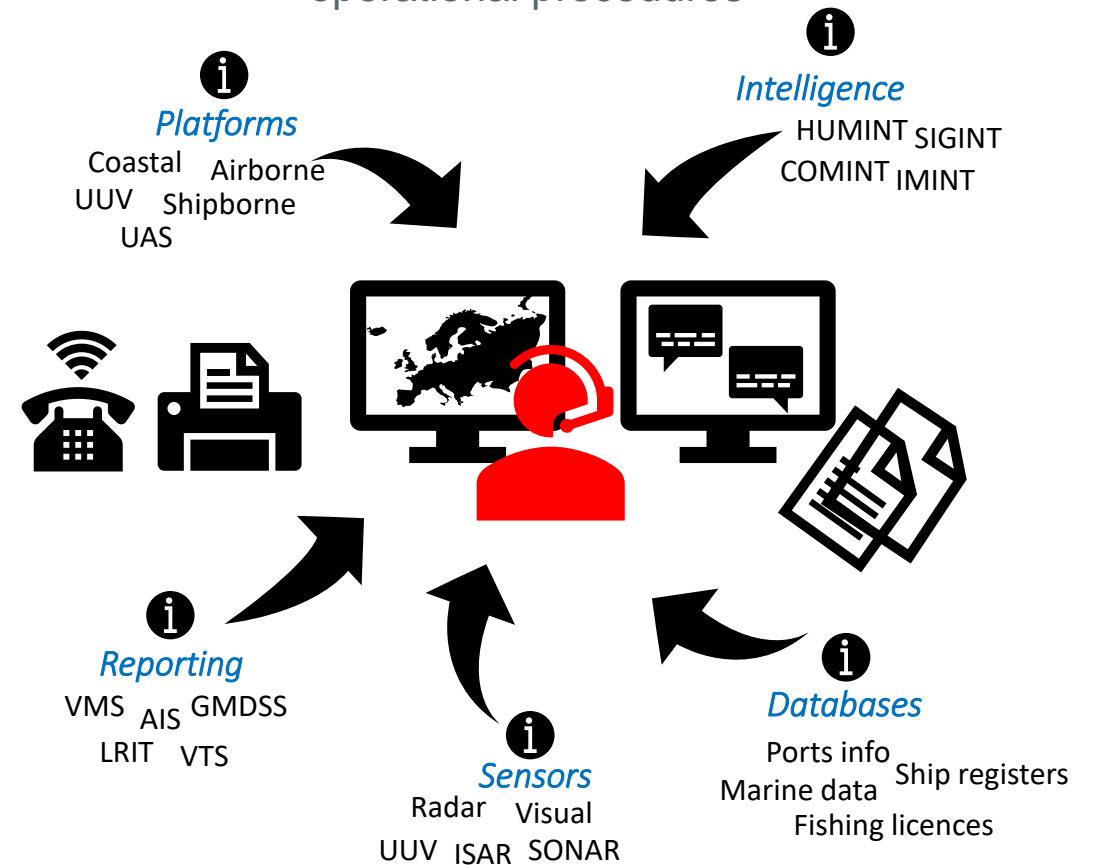


CISE enables them to **exchange added-value and critical information** across borders and different sectors

Why do we need CISE?



Maritime authorities continuously **exchange surveillance information** coming from different sources, in different formats, with different operational procedures



CISE makes the existing systems **interoperable** to enable maritime authorities to exchange information **using their own legacy systems**.



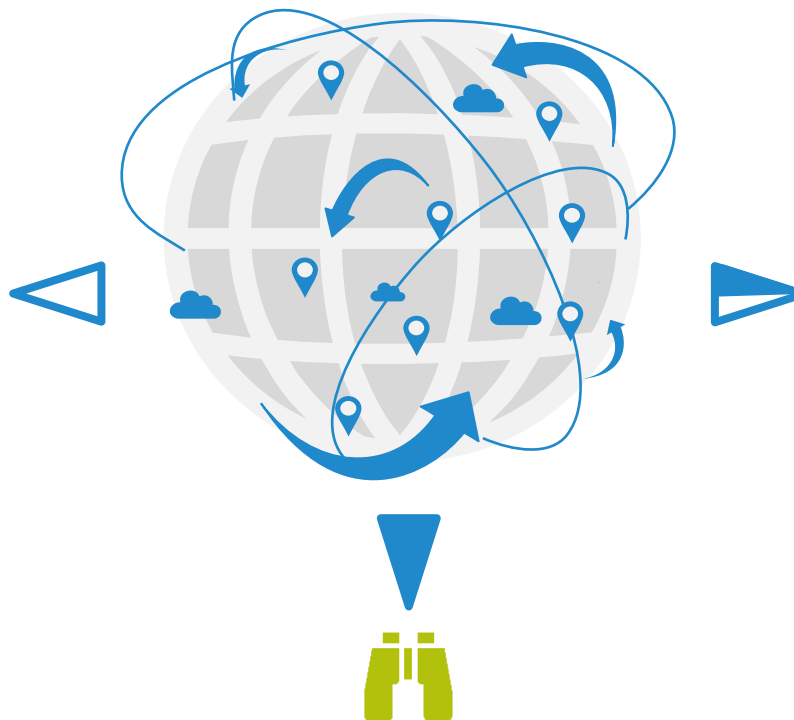
CISE is **not a new system**, it is an **infrastructure** that connects systems.

KEY PRINCIPLES



What type of information can be shared?

Each CISE stakeholder defines their own **Information Sharing Plan (ISP)**, which is recorded in the **CISE Catalogue**



Stakeholders through CISE can exchange unclassified and **classified (EU-restricted)**



Information I can share with others (**provide**)

Information I need from others (**consume**)

Highest security standards

Accreditation process

CISE stakeholders can make use of the **common operational services**

Examples:



Vessel of Interest list



Event Reporting (Incident)



Risk Profile

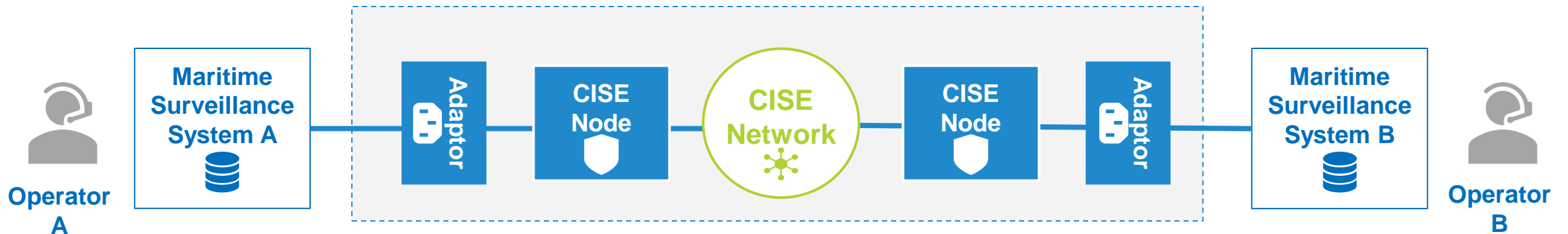


Operational Assistance Request (Assets)



Area of Interest

How it works?



Maritime Surveillance System

Represents an existing, or future, ICT system owned by a stakeholder and used for maritime surveillance.

Legacy System

Adaptor

Translates the **CISE data and service model** into the specific formats and communication protocols used by the maritime surveillance system.

Building Blocks

Node

Common block which connects systems and manages security, access rights to the information and reliability.

How information can be shared?

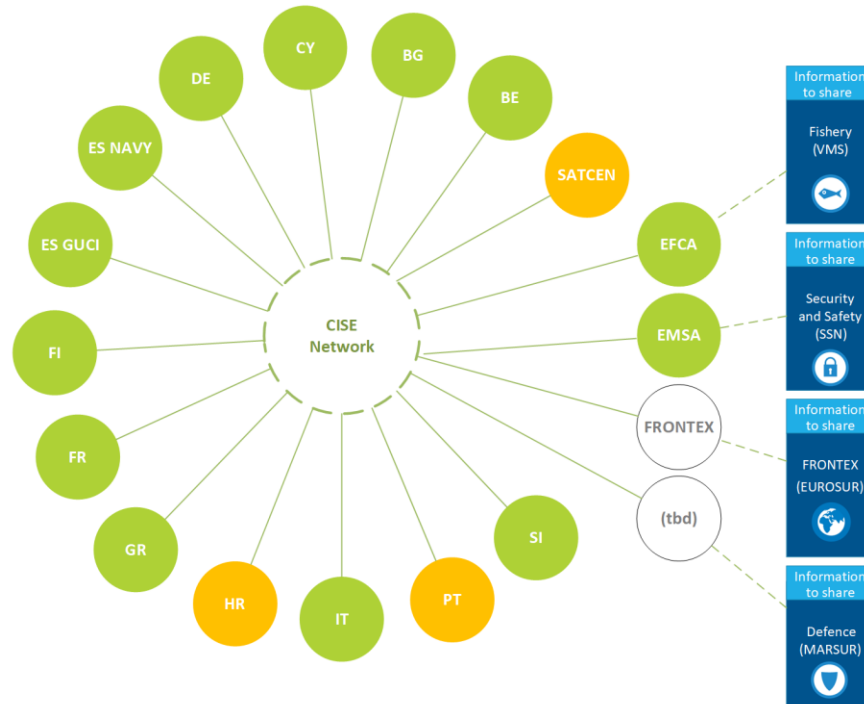
CISE Network

– version August 2023

LEGEND:

CISE Node status:

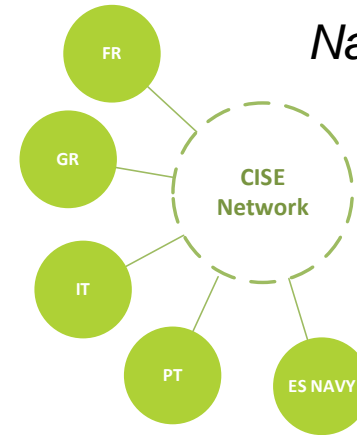
- Node V2 installed
- In the process to install V2
- Under preparation



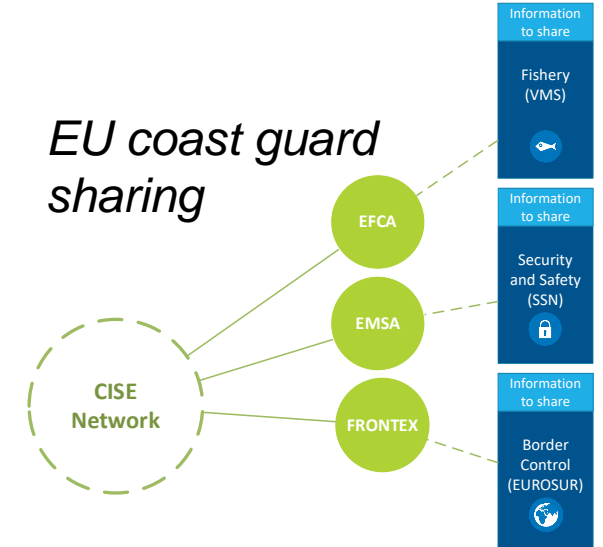
A **node owner** has a **full control** over the information sharing. **Access rights** enable several types of information sharing in the network



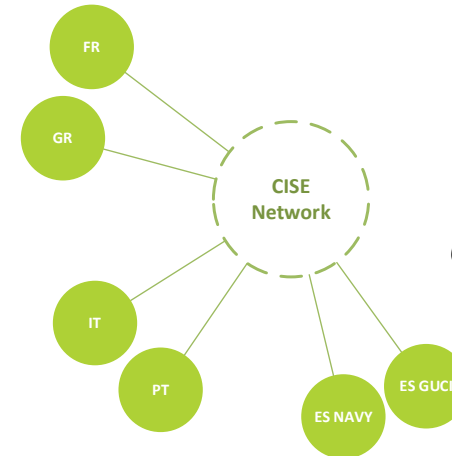
Navy sharing



EU coast guard sharing

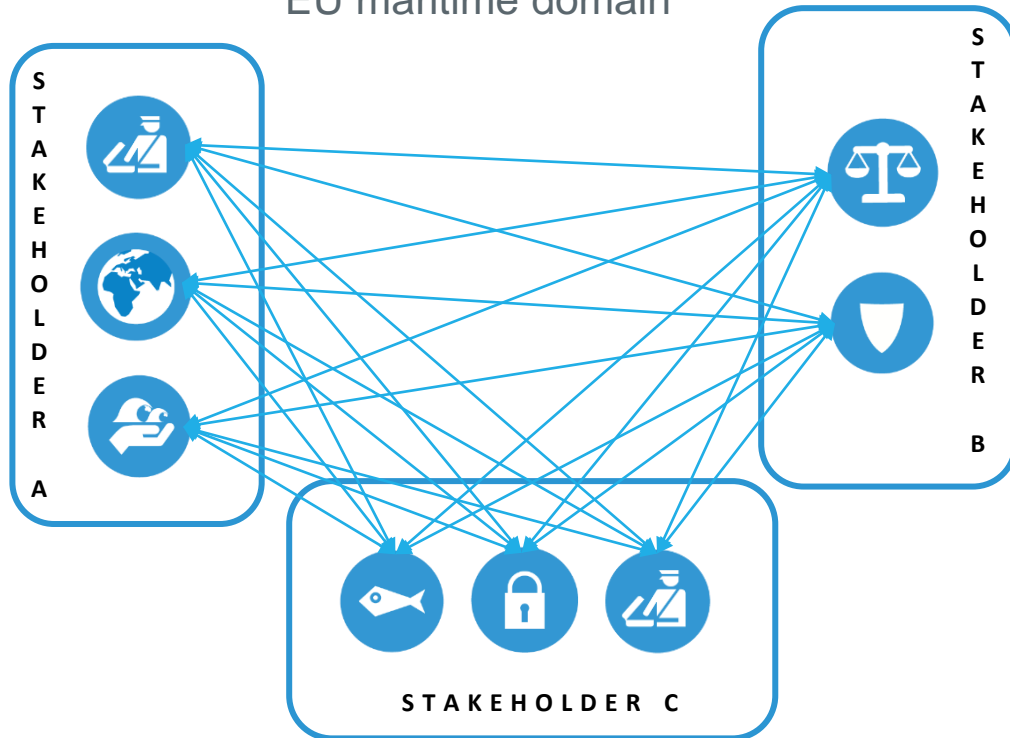


Geographic or operational sharing



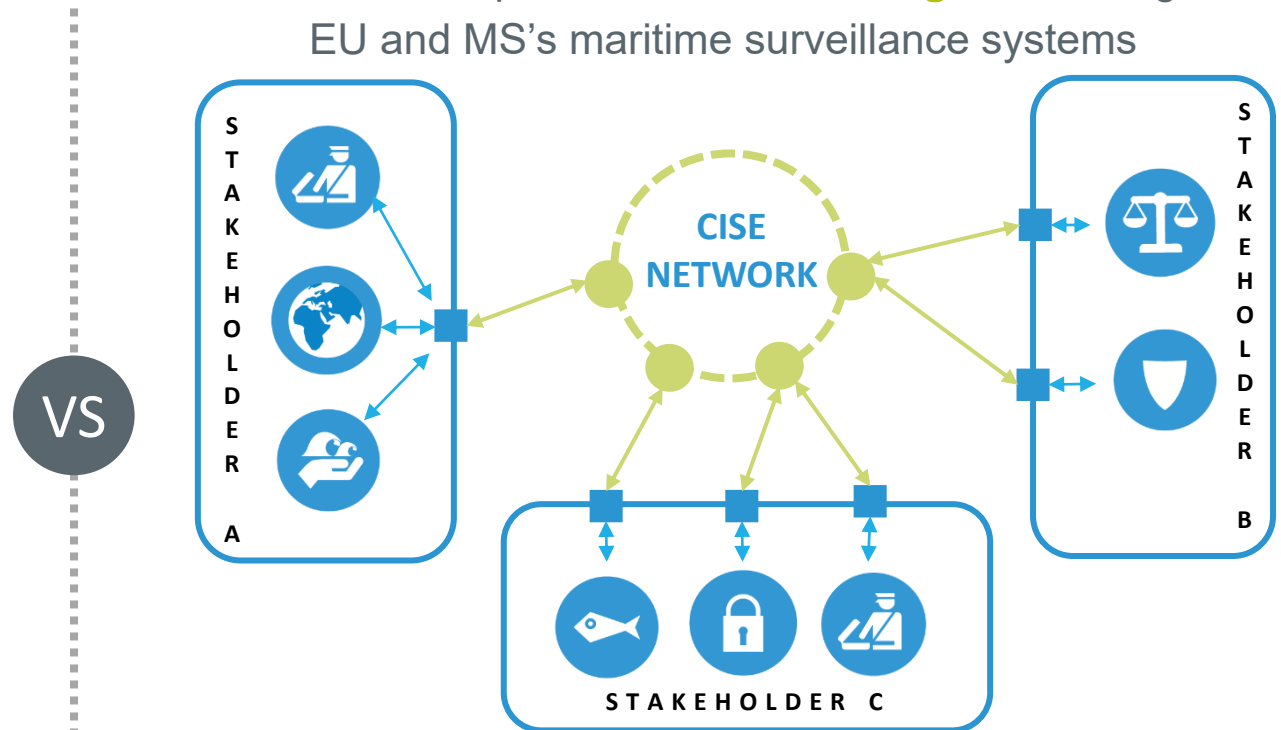
What's different with CISE?

Complexity of information sharing in the EU maritime domain



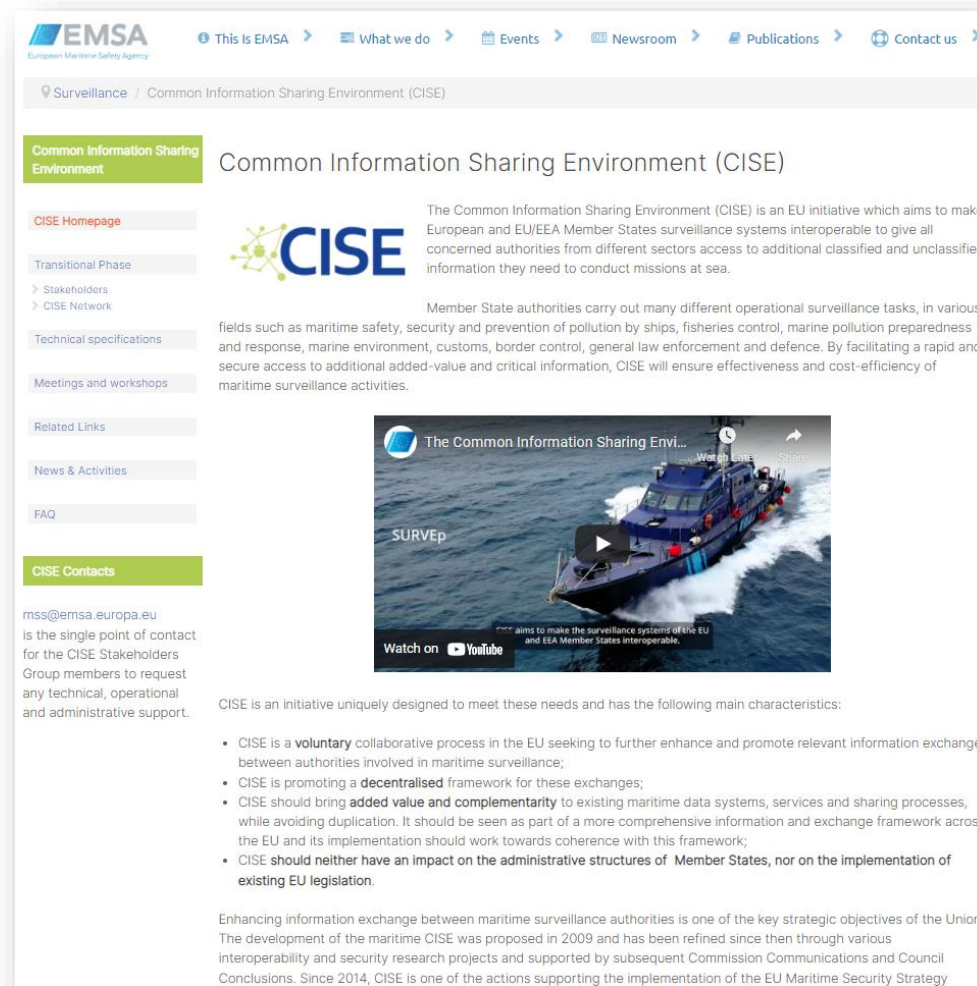
- **Several** interfaces to be set up for each connection between the systems
- **Several** agreements to be signed for each connection
- **Several** operational procedures should be defined

CISE makes the information sharing process easier and quicker **interconnecting** the existing EU and MS's maritime surveillance systems



- **One standard interface** connecting all stakeholders' systems (CISE Data and Service model)
- **One agreement** signed by all parties (Cooperation Agreement)
- **Common** operational procedures are defined

- www.emsa.europa.eu/CISE - latest news, information about CISE and its Transitional Phase, technical specifications
- [Interactive guide on CISE \(new!\)](#) - provides a general understanding about CISE, as well as information on how to join the CISE network
- [Practical guide for joining the CISE network](#) - organisational, financial, technical and operational aspects to be considered when planning the connection to CISE
- [CISE leaflet](#) – main objectives of CISE and the Transitional Phase
- Useful material: [Video on CISE](#) and [CISE illustrated story](#)
- Contact us at: mss@emsa.europa.eu



The screenshot shows the EMSA website page for the Common Information Sharing Environment (CISE). The page features a navigation menu at the top with links for 'This is EMSA', 'What we do', 'Events', 'Newsroom', 'Publications', and 'Contact us'. Below the navigation, there is a breadcrumb trail: 'Surveillance / Common Information Sharing Environment (CISE)'. The main content area is titled 'Common Information Sharing Environment (CISE)' and includes a sub-header 'Common Information Sharing Environment'. The page contains a large 'CISE' logo, a paragraph describing the initiative's purpose, and a video player showing a maritime surveillance vessel. The video player has a play button and a 'Watch on YouTube' button. Below the video, there is a list of main characteristics of CISE and a paragraph about its development and support.

Common Information Sharing Environment (CISE)

The Common Information Sharing Environment (CISE) is an EU initiative which aims to make European and EU/EEA Member States surveillance systems interoperable to give all concerned authorities from different sectors access to additional classified and unclassified information they need to conduct missions at sea.

Member State authorities carry out many different operational surveillance tasks, in various fields such as maritime safety, security and prevention of pollution by ships, fisheries control, marine pollution preparedness and response, marine environment, customs, border control, general law enforcement and defence. By facilitating a rapid and secure access to additional added-value and critical information, CISE will ensure effectiveness and cost-efficiency of maritime surveillance activities.

CISE

The Common Information Sharing Environment (CISE) aims to make the surveillance systems of the EU and EEA Member States interoperable.

CISE is an initiative uniquely designed to meet these needs and has the following main characteristics:

- CISE is a **voluntary** collaborative process in the EU seeking to further enhance and promote relevant information exchange between authorities involved in maritime surveillance;
- CISE is promoting a **decentralised** framework for these exchanges;
- CISE should bring **added value and complementarity** to existing maritime data systems, services and sharing processes, while avoiding duplication. It should be seen as part of a more comprehensive information and exchange framework across the EU and its implementation should work towards coherence with this framework;
- CISE should **neither have an impact on the administrative structures of Member States, nor on the implementation of existing EU legislation.**

Enhancing information exchange between maritime surveillance authorities is one of the key strategic objectives of the Union. The development of the maritime CISE was proposed in 2009 and has been refined since then through various interoperability and security research projects and supported by subsequent Commission Communications and Council Conclusions. Since 2014, CISE is one of the actions supporting the implementation of the EU Maritime Security Strategy



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