What is CISE?

The Basics

Introduction to CISE training

VTC / 16 June 2021

CISE is a network which:

- Makes existing European and EU/EEA Member States **surveillance systems interoperable**

- **Enhances classified/unclassified information sharing** among Public Authorities from different sectors through a **voluntary** and **decentralized** network

- **Fosters cooperation and to create synergies** among the stakeholders involved, including civil-military cooperation

- **Avoids duplication** of data acquisition, and to **increase the complementarity** of the information and services delivered
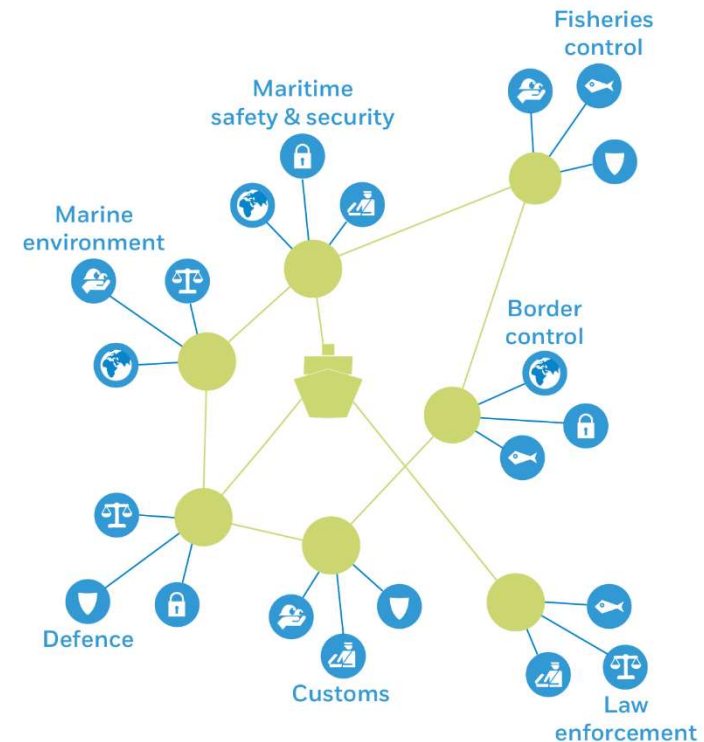
CISE defining features

- **Maritime surveillance processes** (monitoring, target and response) require the sharing of information managed by several stakeholders through **their systems in different formats**
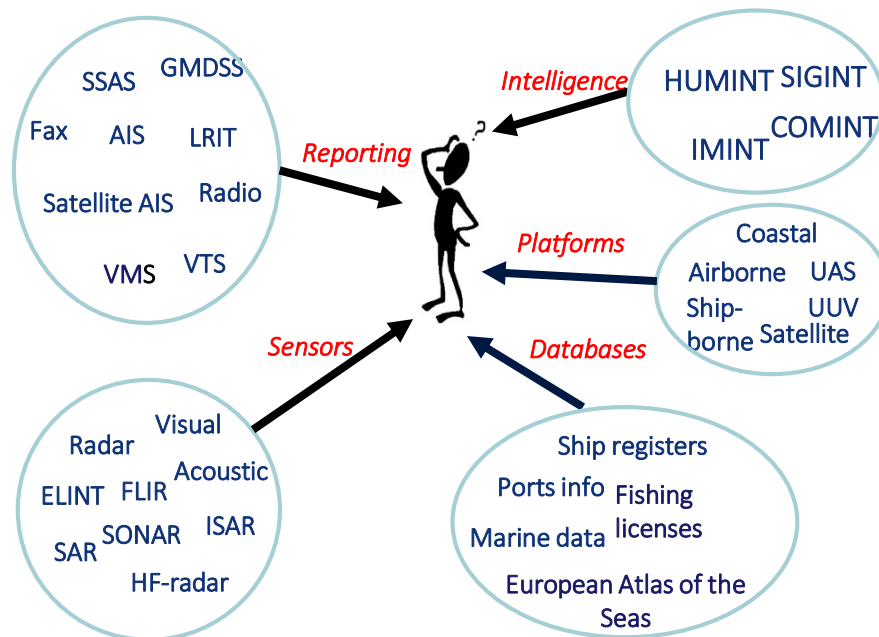
- CISE is not a new system. **CISE is an infrastructure** that enables the sharing of information among stakeholders systems based on **standard service** through a **decentralised architecture**

CISE in context
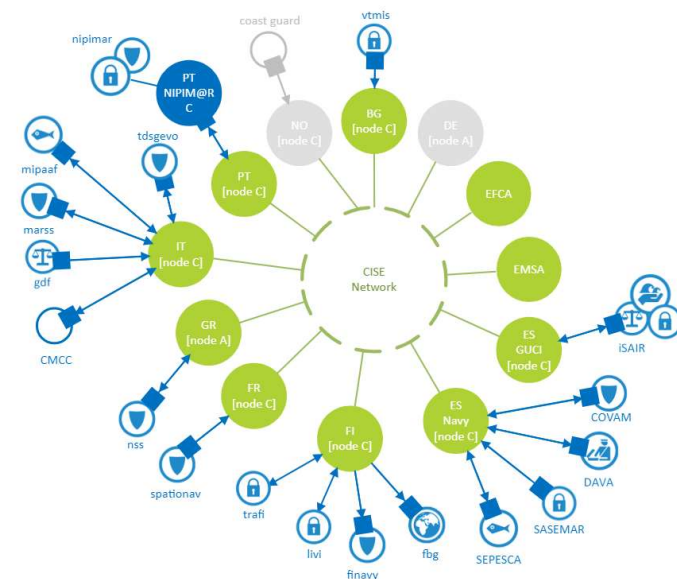
- The overall legal and policy context is the **EU Maritime Security Strategy (EUMSS)**

- The overall strategic oversight is with the EU **Member State Expert Sub-Group** on Maritime Security and Surveillance (advisory committee chaired by DG MARE)

- The **CISE Stakeholder Group** – Representatives from Member States and from the Commission, EDA, EEAS, EFCA, EMSA, Frontex, MAOC (N) and SatCen – addresses the execution of the activities

- The **Friends of the Presidency** for the EUMSS are kept informed (Council body)

- The overall legal and policy context is the **EU Maritime Security Strategy (EUMSS)**

Common
Information
Sharing
Environment

CSG / Working Groups

EMSA

State/Agency	CSG	CA WG	Configura-tion board	Node owner	Node admin	TF Test Campaign	RTS WG	Security Study WG	Pre operational services
Austria									
Belgium	√								
Bulgaria (*)	√	√	√	√	√	√	√		√
Croatia	√								
Cyprus	√								
Czech Republic									
Denmark									
Estonia	√								
Finland (*)	√	√	√	√	√	√	√	√	√
France (*)	√	√	√	√	√	√		√	
Germany (*)	√	√	√	√	√	√	√	√	√
Greece (*)	√	√	√	√	√	√	√	√	
Hungary	√								
Iceland									
Ireland	√								
Italy (*)	√	√	√	√	√	√	√	√	√
Latvia									
Lithuania	√								

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(*) Countries with the node already installed.

CSG / Working Groups

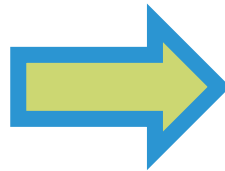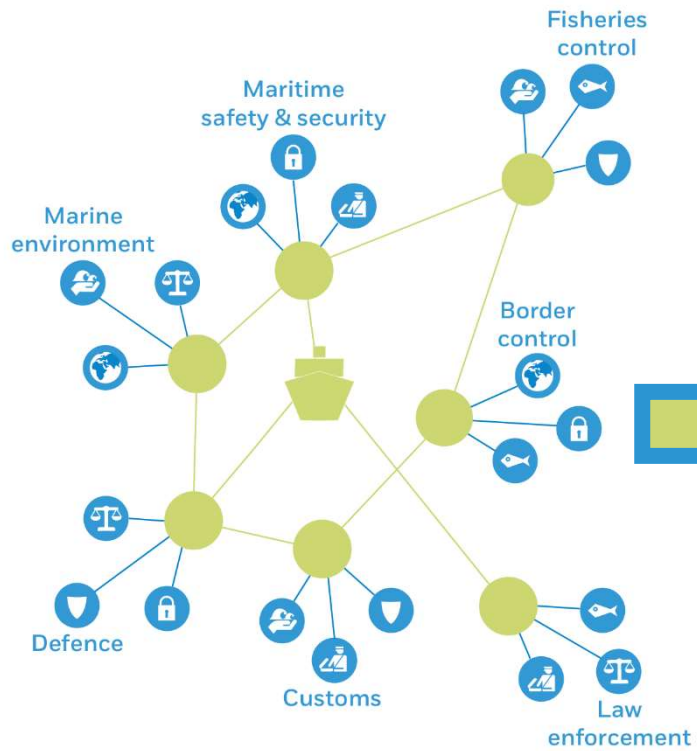| State/Agency	CSG	CA WG	Configuration board	Node owner	Node admin	TF Test Campaign	RTS WG	Security Study WG	Pre-op services
Luxemburg									
Norway (*)	√	√					√		
Malta	√								
Poland	√								
Portugal (*)	√	√	√	√	√	√			
Romania	√								
Slovakia									
Slovenia	√								
Spain (*)	√√	√√	√√	√√	√√	√√	√	√√	√√
Sweden									
The Netherlands	√	√	√						√
EDA	√					√	√		√
EFCA	√	√	√			√			√
Frontex	√								
SatCen	√	√	√			√	√	√	√
COM – JRC	√	√	√	√	√	√	√	√	√
COM – DG MARE	√	√	√		√	√	√	√	√
COM – DG MOVE	√								
EEAS	√								
MAOC (N)	√								

(*) Countries with the node already installed.
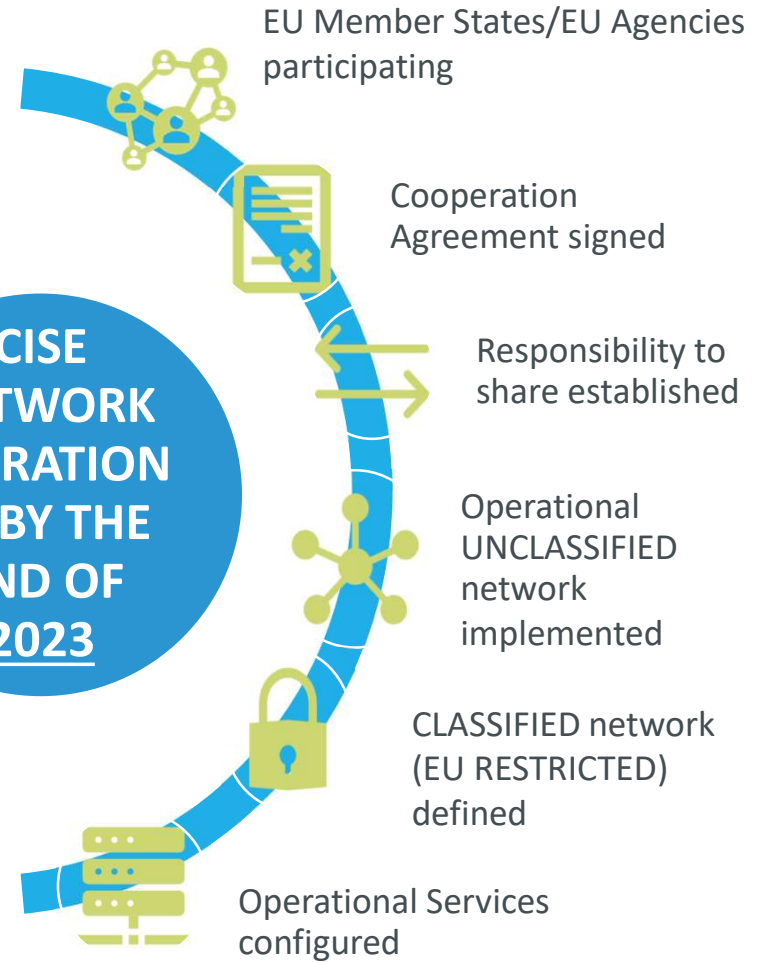
Where we are

- In 2019 the **Commission (DG MARE)** put in place a **Transitional Phase (TP)** and **EMSA** was tasked with its coordination

- The **Transitional Phase** (TP) will last until December 2023. Some operational services will be rolled-out in the network during the TP

- Then, end 2023, the **CISE Operational Phase** will begin…

CISE activities

Years		2019								2020												2021												2022												2023											
Months		4	5	6	7	8	9	10	11	12	1	2	3	4	5	6	7	8	9	10	11	12	1	2	3	4	5	6	7	8	9	10	11	12	1	2	3	4	5	6	7	8	9	10	11	12	1	2	3	4	5	6	7	8	9	10	11	12

Stakeholders

CSG meetings	1	2	3	4	5	6	7	8	9	10	11	12	13	14
Training	1	1T	2T	3T	4T
Workshop	1W	2W	3W	4W

Operational

- Cooperation Agreement: Draft | WG Revision | CSG Rev. | Signatures | Cooperationa Agreement enforced
- Responsibility to Share: Requirements | Procurement | Development of the audit | Implementation
- Pre-Operational Services: Definition | exchange implementation
- EUCISE2020 deliverables: Descoped

Technical

- Node V2 Development: Common and Core | 2,0 | Evolutive Maintenance (Collaborative, Data Streaming services, Security, …)
- Node Releases: 1stTC | 2ndTC | Testing + SAT | Migration | Delivery new versions
- Technical Support: 2nd line support | 1st and 2nd line support | 1st, 2nd + 3rd line support

Security/CLASSIFIED

- Security study: Req. | Analysis
- Security requirements: Requirements definition | Implementation
- Accreditation/Governance: Accreditation model | Governance

green - activities to be executed in the transitional phase

blue - activities to be executed during the operational phase (activities can start in TP)

red - activities descoped, depreciated or postponed

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Main goals of TP

CISE NETWORK OPERATIONAL BY THE END OF 2023

EU Member States/EU Agencies participating

Cooperation Agreement signed

Responsibility to share established

Operational UNCLASSIFIED network implemented

CLASSIFIED network (EU RESTRICTED) defined

Operational Services configured

Maritime safety & security

Fisheries control

Marine environment

Border control

Defence

Customs

Law enforcement

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Some achievements so far

- All the **TP's activities are on track**

- Some results (Cooperation Agreement)

- The **CISE network is constantly increasing**, currently CISE:

  - connects 12 nodes form different MSs and EU organisations

  - links 25 systems/MS Public Authorities covering all the 7 different maritime sectors

- Node version 2 development + migration

- The new version of the **CISE catalogue** is under revision and regularly updated (i.e. stakeholder and EU information sharing plan)

version of the CISE catalogue for the 7th CSG meeting

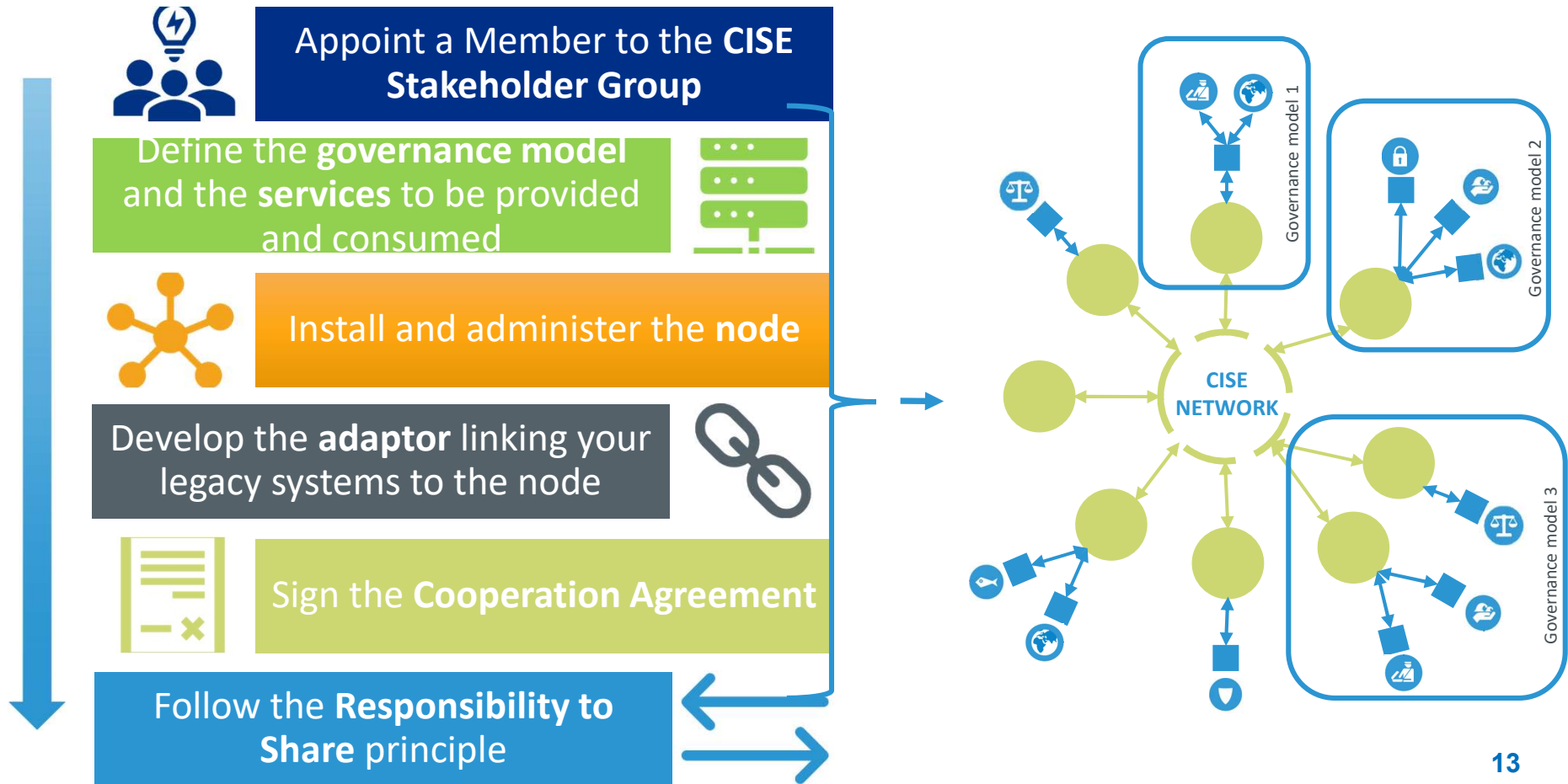| Node - Adaptor - Catalogue - CA		BG	ES guci	ES navy	FI	GR	IT
Asset	Consume		SAIS{PULL,PUSH,SUBSCRIBE}	covam{pull,sub,push}		nss{all}	
Organization Document	Provide		SAIS{PULL,PUSH,SUBSCRIBE}				
	Consume		SAIS{PULL,PUSH,SUBSCRIBE}	covam{pull,sub,push}		nss{all}	
Organization	Provide		SAIS{PULL,PUSH,SUBSCRIBE}				
	Consume		SAIS{PULL,PUSH,SUBSCRIBE}	covam{pull,sub,push}		nss{all}	marss{pull, subscribe}, mipaaft{subscribe}
Person Document	Provide		SAIS{PULL,PUSH,SUBSCRIBE}				
	Consume		SAIS{PULL,PUSH,SUBSCRIBE}	covam{pull,sub,push}		nss{all}	
Person	Provide		SAIS{PULL,PUSH,SUBSCRIBE}				
	Consume		SAIS{PULL,PUSH,SUBSCRIBE}	covam{pull,sub,push}		nss{all}	
Risk Document	Provide		SAIS{PULL,PUSH,SUBSCRIBE}				
	Consume		SAIS{PULL,PUSH,SUBSCRIBE}	covam{pull,sub,push}		nss{all}	
Risk	Provide	inBulMarS{} - Q1/2023	SAIS{PULL,PUSH,SUBSCRIBE}				
	Consume	inBulMarS{} - Q1/2023	SAIS{PULL,PUSH,SUBSCRIBE}	covam{pull,sub,push}		nss{all}	marss{pull}
Vessel Document	Provide		SAIS{PULL,PUSH,SUBSCRIBE}				
	Consume		SAIS{PULL,PUSH,SUBSCRIBE}	covam{pull,sub,push}		nss{all}	
Vessels	Provide	vtmis{sub, pull}	SAIS{PULL,PUSH,SUBSCRIBE}	covam{pull,sub} + sepesca{pull,sub} + dava{pull,sub} + sasemar{sub} + CSP{}, SIGO{}	Purkki{}, VTMIS{}	AIS costal{}	gdf{push,pull}, marss{pull, sub}
	Consume	inBulMarS{} - Q1/2023	SAIS{PULL,PUSH,SUBSCRIBE}	covam{pull,sub,push}	tracknet{} - Q2/2022	nss{all}	mipaaf{push, pull, subscribe}, marss{push, pull, subscribe}, tdsgevo{push, pull, subscribe}, gdf{subscribe}

CISE technical setup

CISE Node – a common block ensuring the technical + semantic interoperability of CISE by managing the communication protocol among the Participants in the CISE Network.

Adaptor – translates the specific formats and communication protocols used by the legacy system

Legacy System – existing IT systems from stakeholders used for maritime surveillance

How do I join CISE?

Appoint a Member to the **CISE Stakeholder Group**

Define the **governance model** and the **services** to be provided and consumed

Install and administer the **node**

Develop the **adaptor** linking your legacy systems to the node

Sign the **Cooperation Agreement**

Follow the **Responsibility to Share** principle

CISE NETWORK

Governance model 1

Governance model 2

Governance model 3

CISE

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What help will I get?

The CISE team will provide you:

- ➢ **Practical guide** for joining the network
- ➢ **Trainings/workshops**
- ➢ **Technical specifications** to operate the node and procure the adaptor
  - ✓ Node architecture
  - ✓ Installation and user guide
- ➢ The CISE **Node** software

Technical and operational support for:

- ➢ **Development** of adaptors
- ➢ **Installation** of the software
- ➢ 1st, 2nd and 3rd line **support**

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More info on CISE

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European Maritime Safety Agency

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