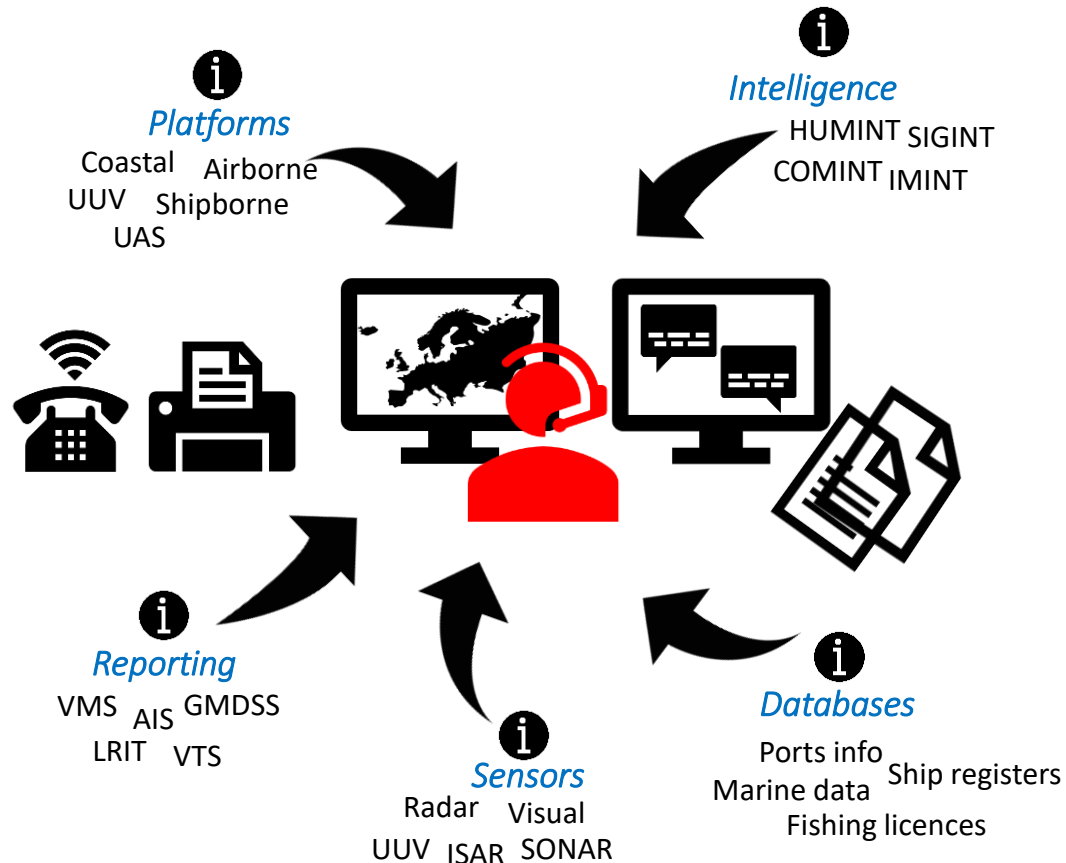


Common Information Sharing Environment (CISE)

- Transitional Phase

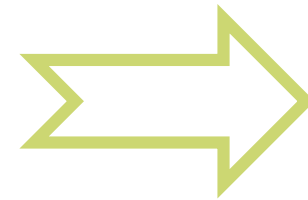
Introduction

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



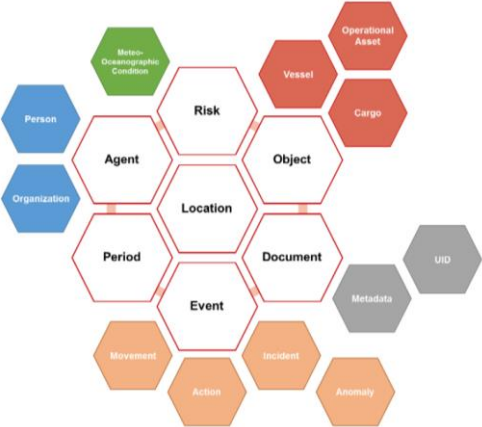
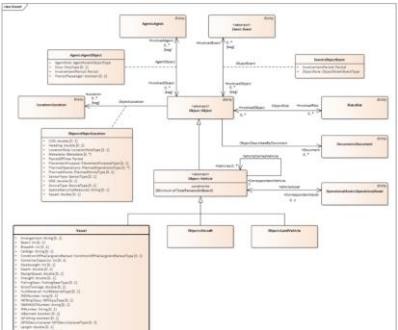
CISE makes the existing systems **interoperable** to enable maritime authorities to exchange information **using their own legacy systems**.

CISE is **not a new system**, it is an **infrastructure** to connect systems.

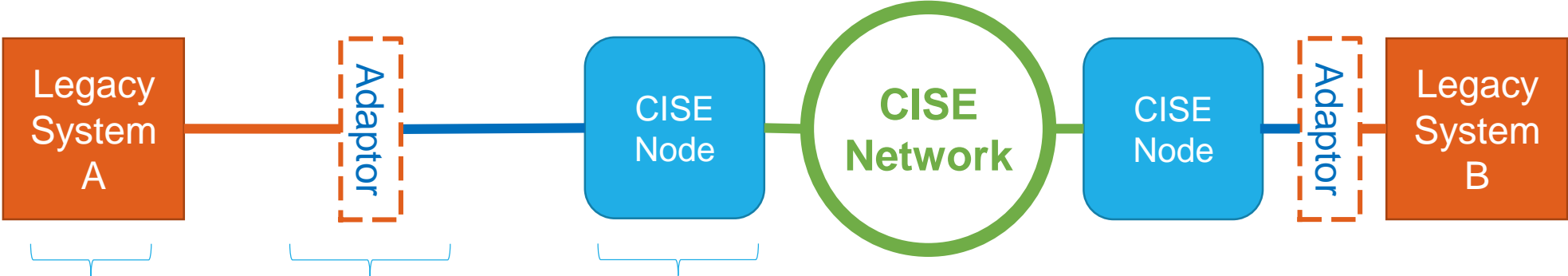


The **European Interoperability Framework** defines 4 layers: Legal, Operational, Semantic (data), and Technical.

CISE Core Vocabulary Specification



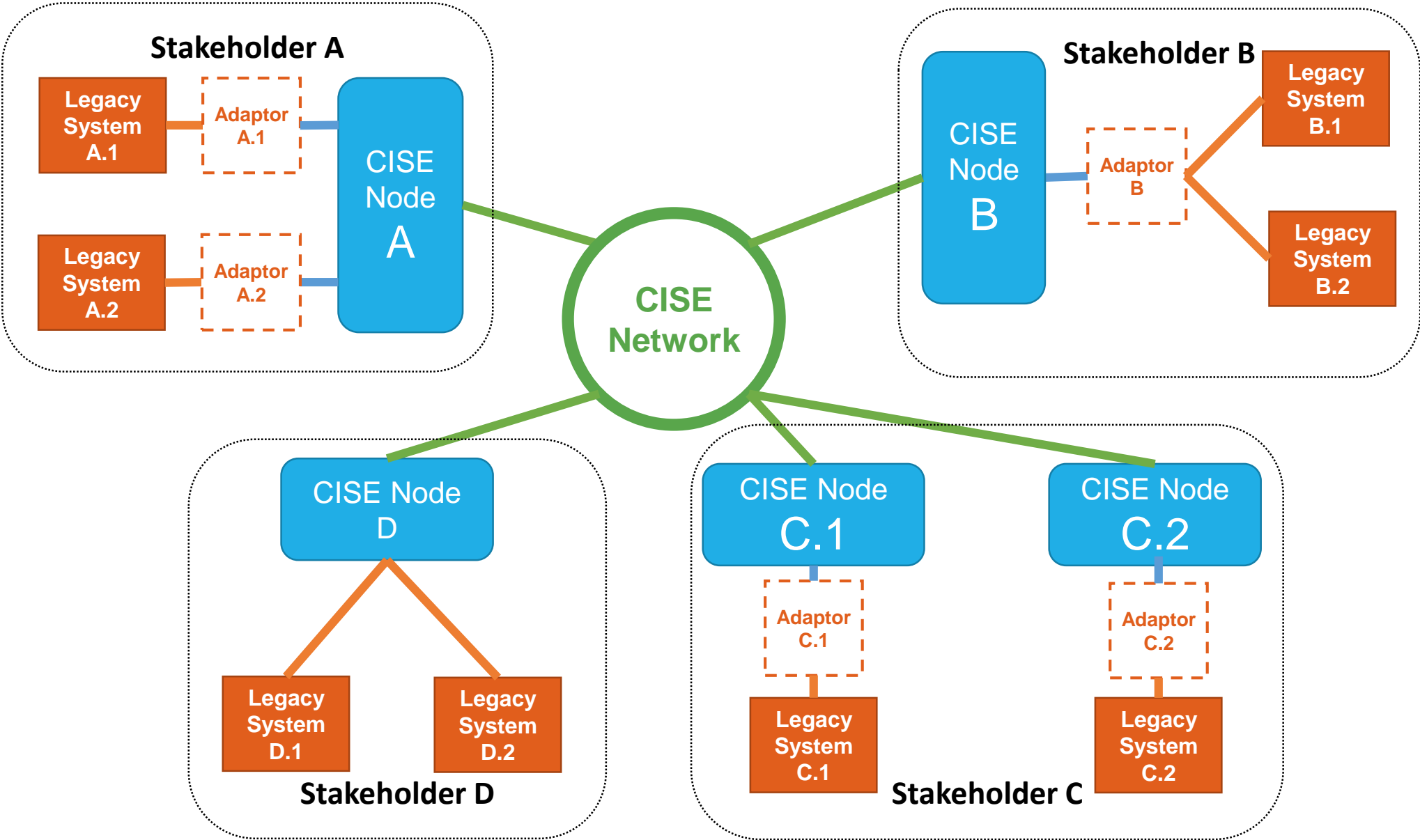
communication patterns
pull, push,
publish/subscribe



LEGACY SYSTEM
an existing ICT system owned by a stakeholder.

ADAPTOR
“translates” the information between the Legacy System and the CISE data and service models.

CISE NODE
shares the information with all the stakeholders connected to the network.



WHAT?

- Lays down the **rules** for sharing information in the CISE network safely and securely
- Defines **roles** and **responsibilities** of CISE network users

WHY?

Administrative basis and **precondition** for CISE stakeholders to start exchanging maritime surveillance information in a trusted network.

HOW?

CISE stakeholders indicate in Appendix 1 their **roles** in the CISE Network (*CISE Node Owner, Participant or Other Party*) and send a signed copy of the CA to CISE Secretariat.

WHEN?

The CA enters into force for the signatory Parties and information can **start to be shared** among them.



Node - Adaptor - Catalogue - CA		BE	BG*	CY	DE*	EE	ES guci	ES navy	FI*	FR*	GR	HR	IR	IT	LT*	MT*	NL	NO*	PL*	PT*	R					
NODE V2			Q1 -2022	Q3- 2023	Q2-2022		Nov-21	Nov-21	Q1 - 2022	Installed (Oct 2021)	Dec-21	Q1 -2022		Q1-2022	tbd	tbd	tbd				Q1 - 2022					
CA			Nov-21	tbd	Q1-2022		Q4 - 2021	Q4 - 2021	Dec-21	Nov-21	signed 27/9/2021	tbd		Q4-2021	no plans to sign yet	tbd	no plans to sign yet	no plans to sign yet	no plans to sign yet		Dec-21					
COMMON AND CORE SERVICES																										
Action	Provide			S t u d y / D e s i g n p h a s e			sais (pull, push,subscribe)				AIS costal(all)	D e s i g n p h a s e				D e s i g n p h a s e	D e s i g n p h a s e	H o l d		marinha (push)						
	Consume		inBullMarS() - Q1/2023				sais (pull, push,subscribe)	covam(pull,sub,push)			nss(all)			marss(pull, subscribe)											dgpm (pull, subscribe)	
Agent	Provide							sais (pull, push,subscribe)																		
	Consume		inBullMarS() - Q1/2023					sais (pull, push,subscribe)	covam(pull,sub,push)				nss(all)													dgpm (pull, subscribe)
Aircraft	Provide							sais (pull, push,subscribe)	sasemar(sub)																	
	Consume		inBullMarS() - Q1/2023					sais (pull, push,subscribe)	covam(pull,sub,push)	fnavy(pull) - Q2/2022			nss(all)						marss(pull, subscribe)							amn (pull, subscribe)
Anomaly	Provide		inBullMarS() - Q1/2023			VPS-MATIS (subscribe) - Q3/2022		sais (pull, push,subscribe) espias (pull, push,subscribe) (espias from MAR 22)	covam (pull,sub)				AIS costal()													
	Consume		inBullMarS() - Q1/2023			VPS-MATIS (subscribe) - Q3/2022		sais (pull, push,subscribe) espias (pull, push,subscribe) (espias from MAR 22)	covam(pull,sub,push)	fbg(pull) - Q2/2022			nss(all)						marss(pull, subscribe), mipaafll(subscribe)							marinha (pull, subscribe)
Cargo Document	Provide		inBullMarS() - Q1/2023					sais (pull, push,subscribe)																		
	Consume		inBullMarS() - Q1/2023					sais (pull, push,subscribe)	covam(pull,sub,push)				nss(all)													amn (pull, subscribe)
Cargo	Provide		inBullMarS() - Q1/2023					sais (pull, push,subscribe)																		
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Certificate Document	Provide							sais (pull, push,subscribe)																		
	Consume		inBullMarS() - Q1/2023					sais (pull, push,subscribe)	covam(pull,sub,push)				nss(all)													amn (pull, subscribe)
	Provide		inBullMarS() - Q1/2023					sais (pull, push,subscribe) espias (pull, push,subscribe)																		



Examples of data shared in CISE

CISE stakeholders define the Information sharing plan based on their **use cases**:

- Data available in the Legacy System to be **provided** to the network
- ← Data to be **consumed** by the Legacy System from the network

CISE stakeholders can also participate in the common **operational services**:

- Vessels of Interest (VOI) list
- Incident reporting
- Risk profile
- Asset information sharing
- Operational assistance request

Monitor

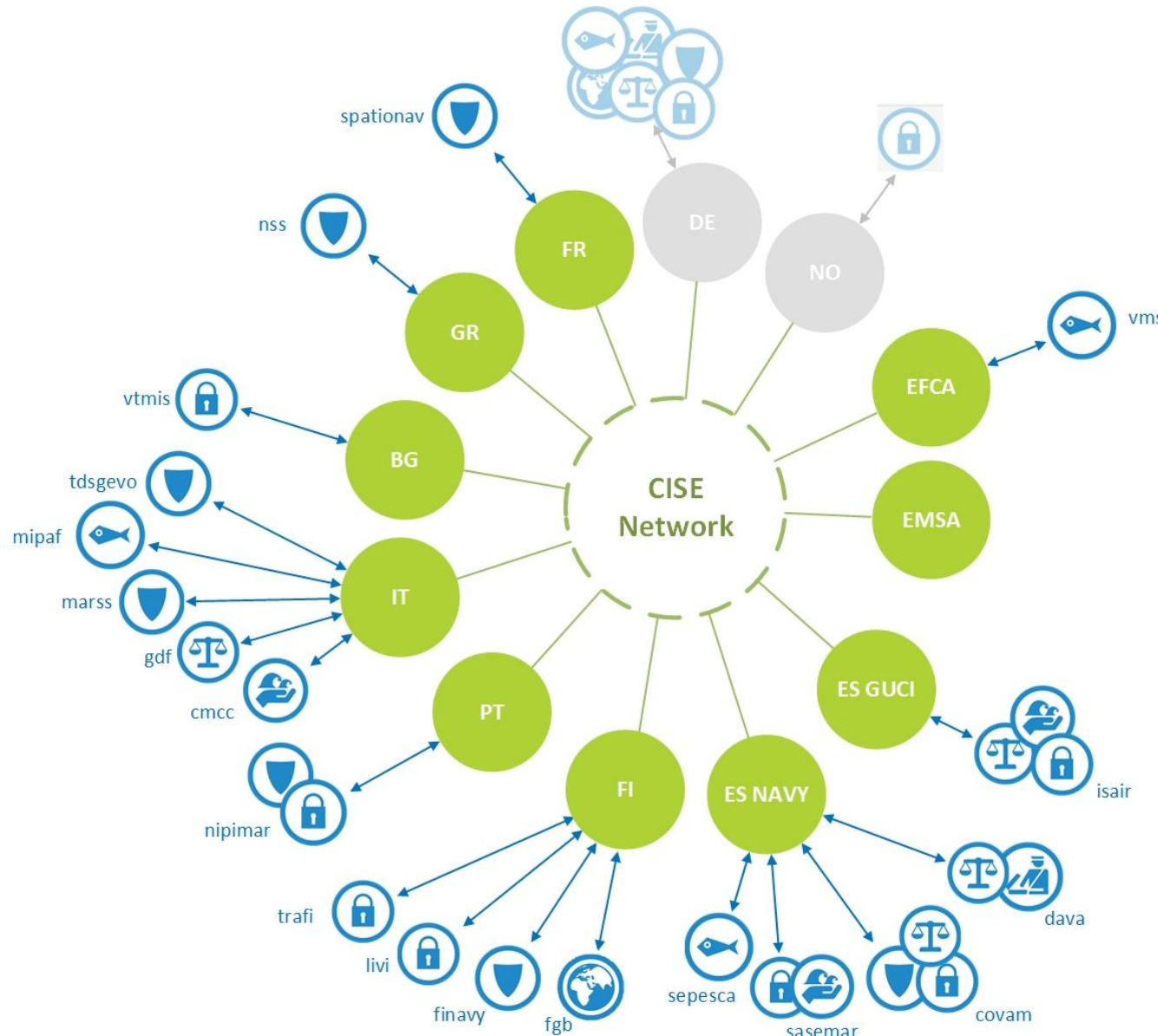


Respond



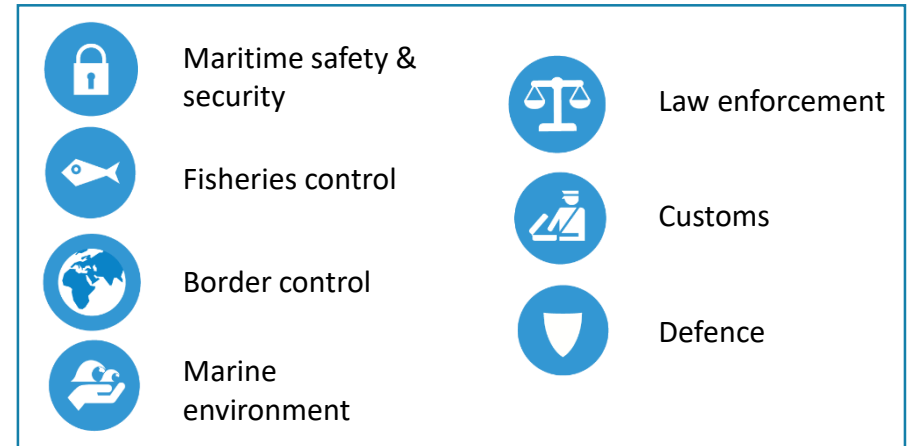
Detect

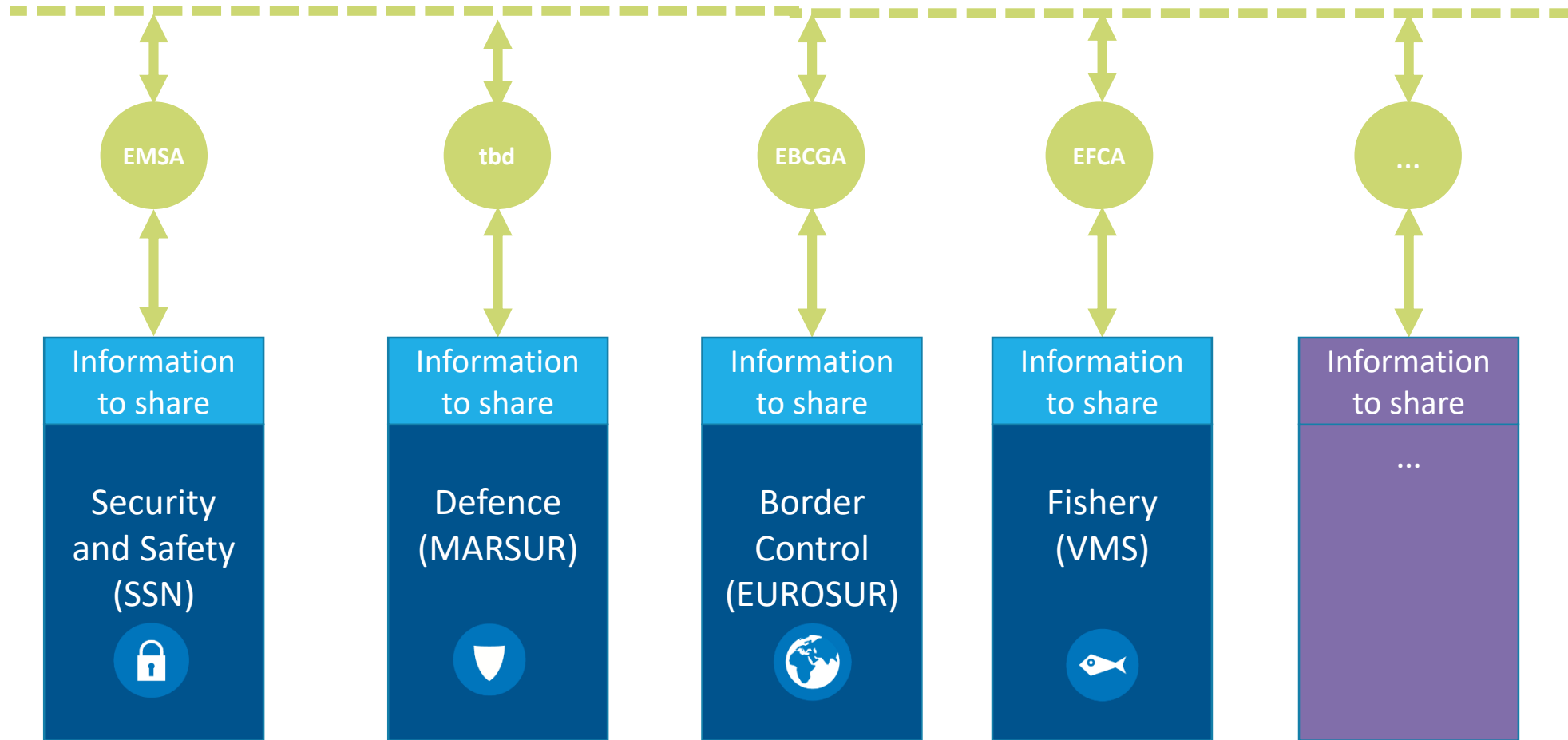




Currently CISE:

- connects 12 nodes from different MS and EU organisations
- links 25 systems/MS Public Authorities covering all the 7 different maritime sectors





CISE Transitional Phase - Activities



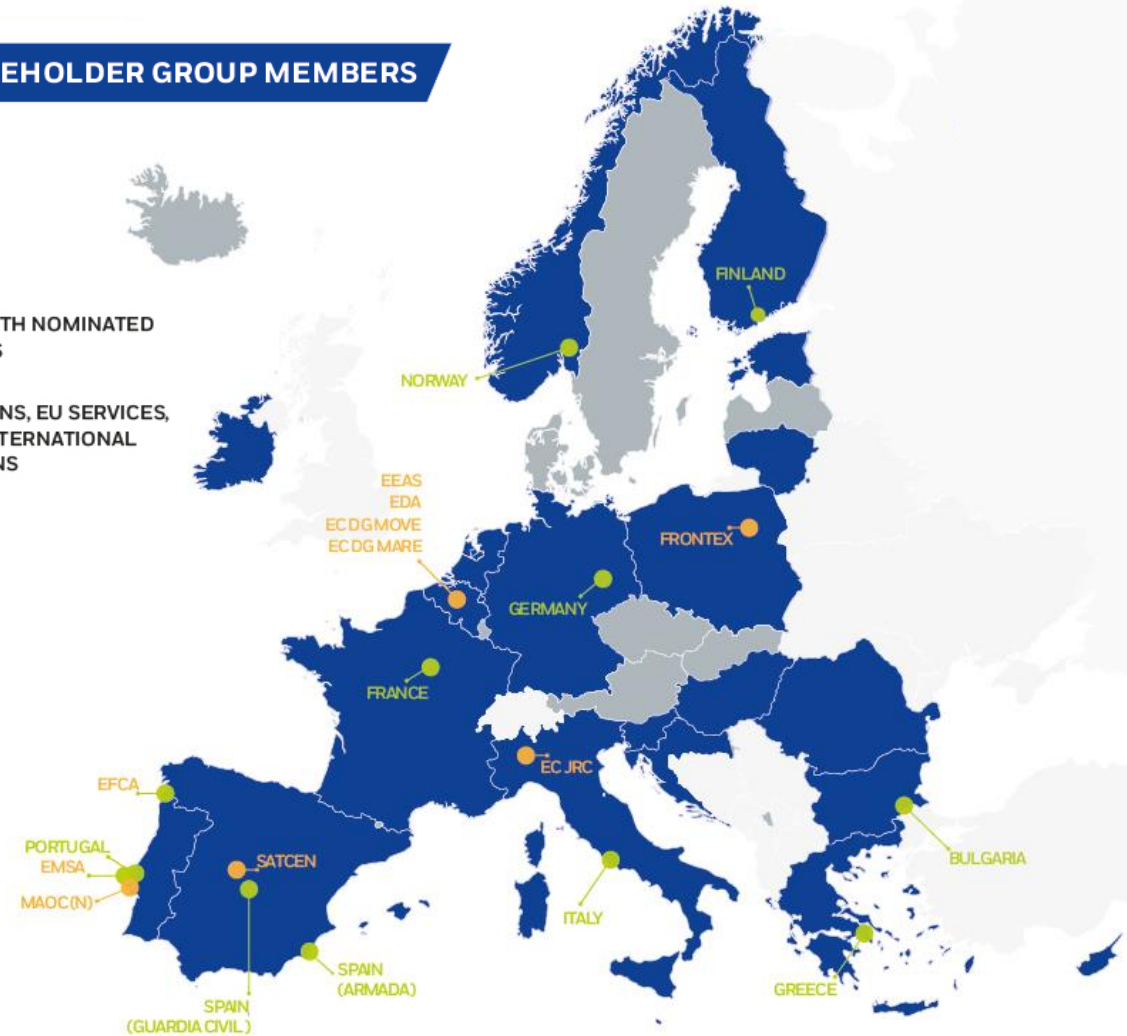


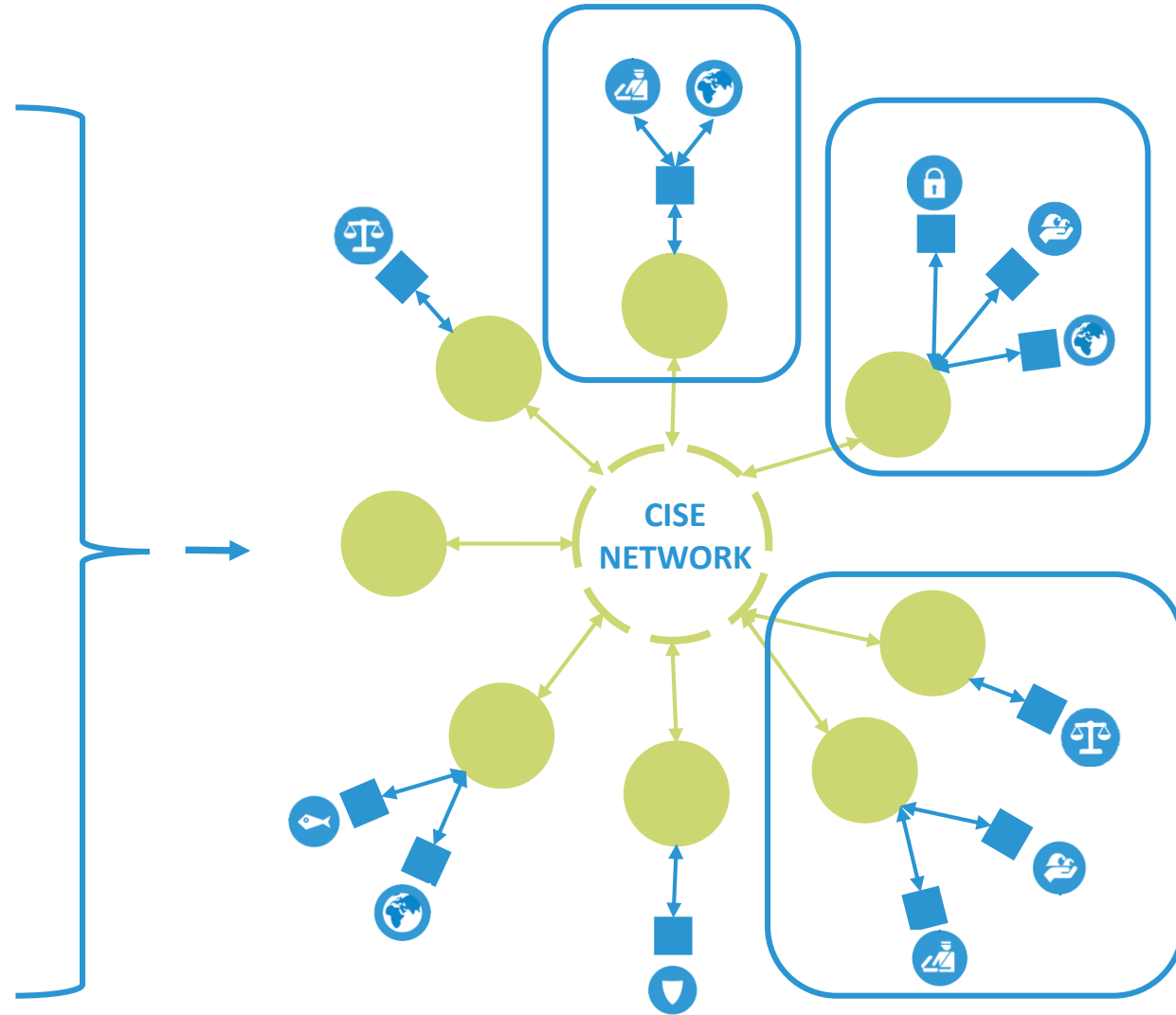
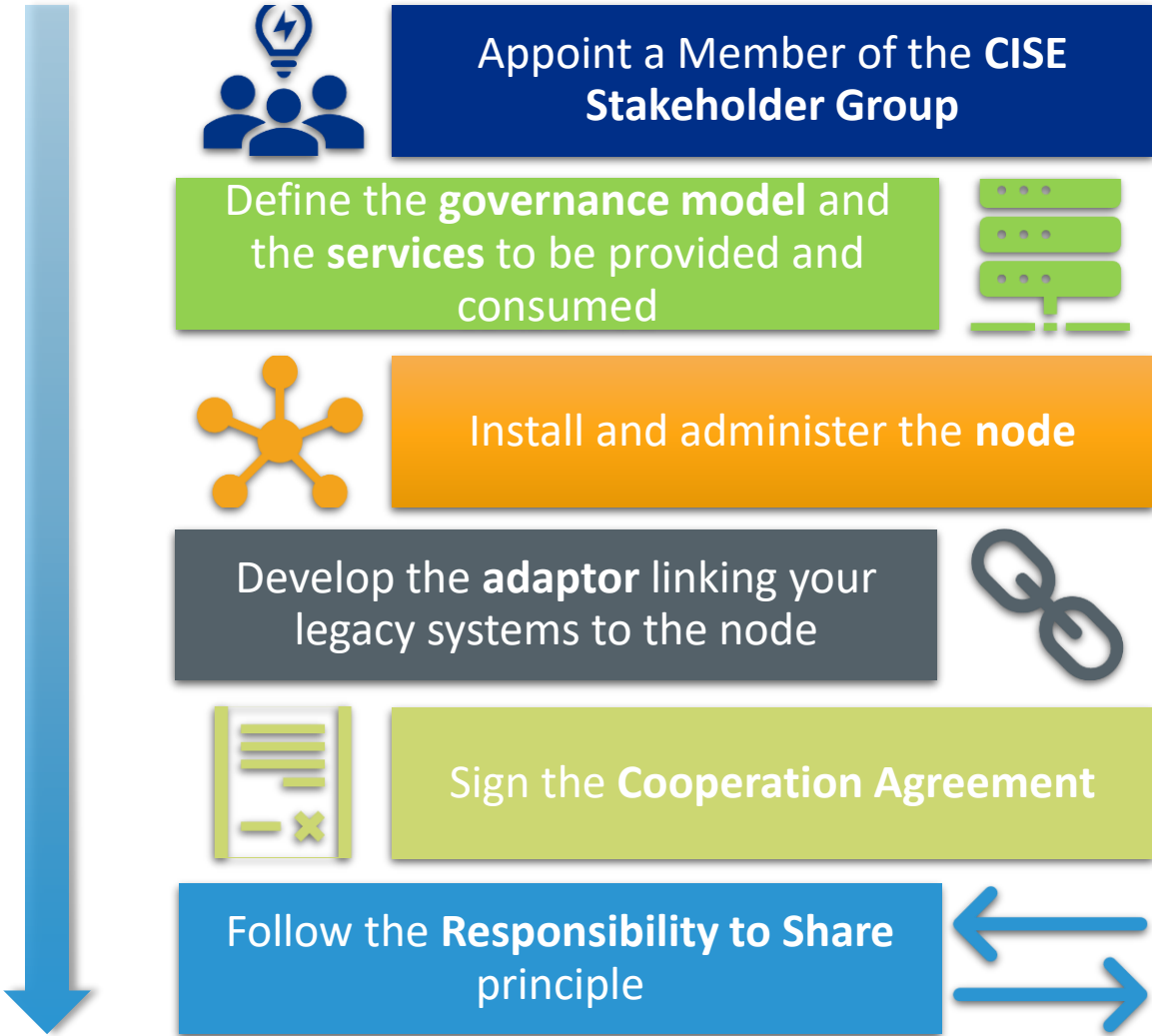
Legal and policy framework



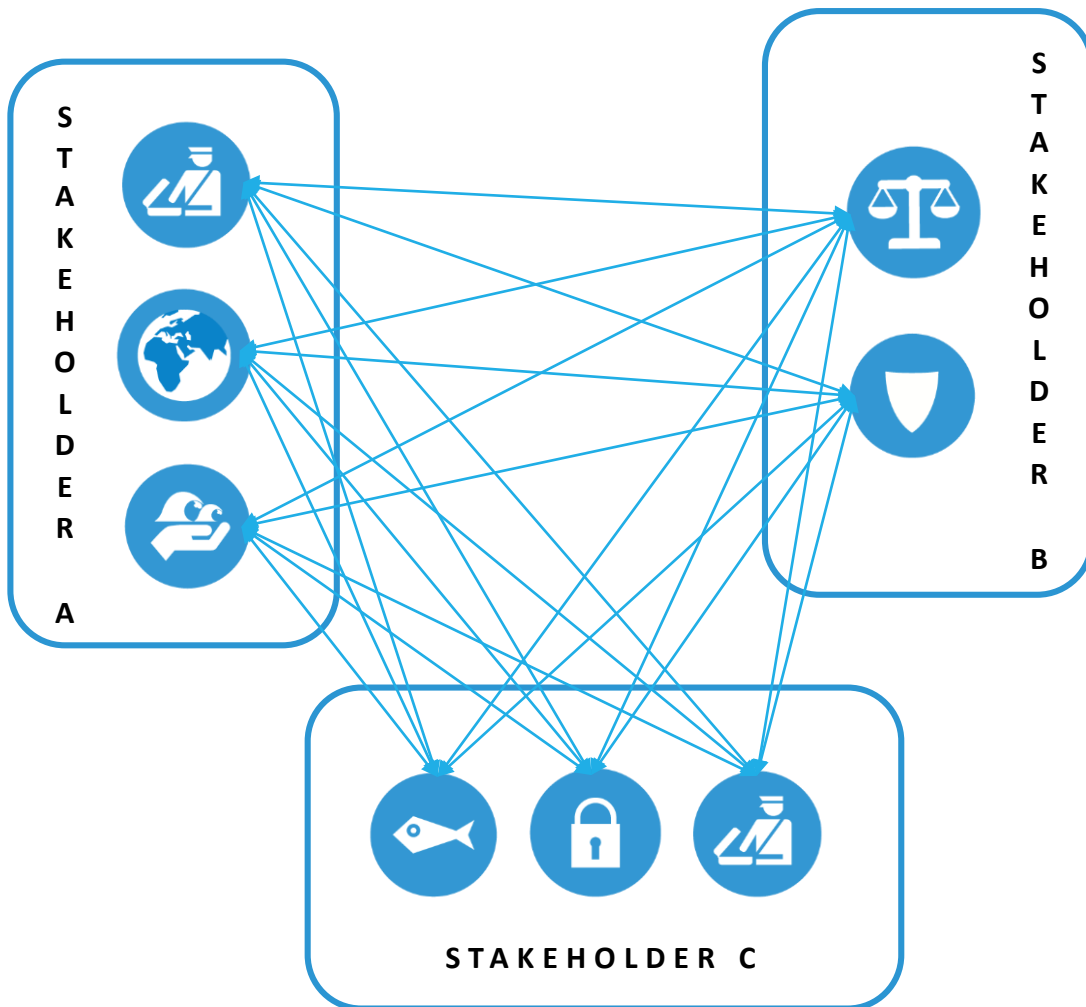
CISE STAKEHOLDER GROUP MEMBERS

- COUNTRIES WITH NOMINATED CSG MEMBERS
- EU INSTITUTIONS, EU SERVICES, AND OTHER INTERNATIONAL ORGANISATIONS
- NODES

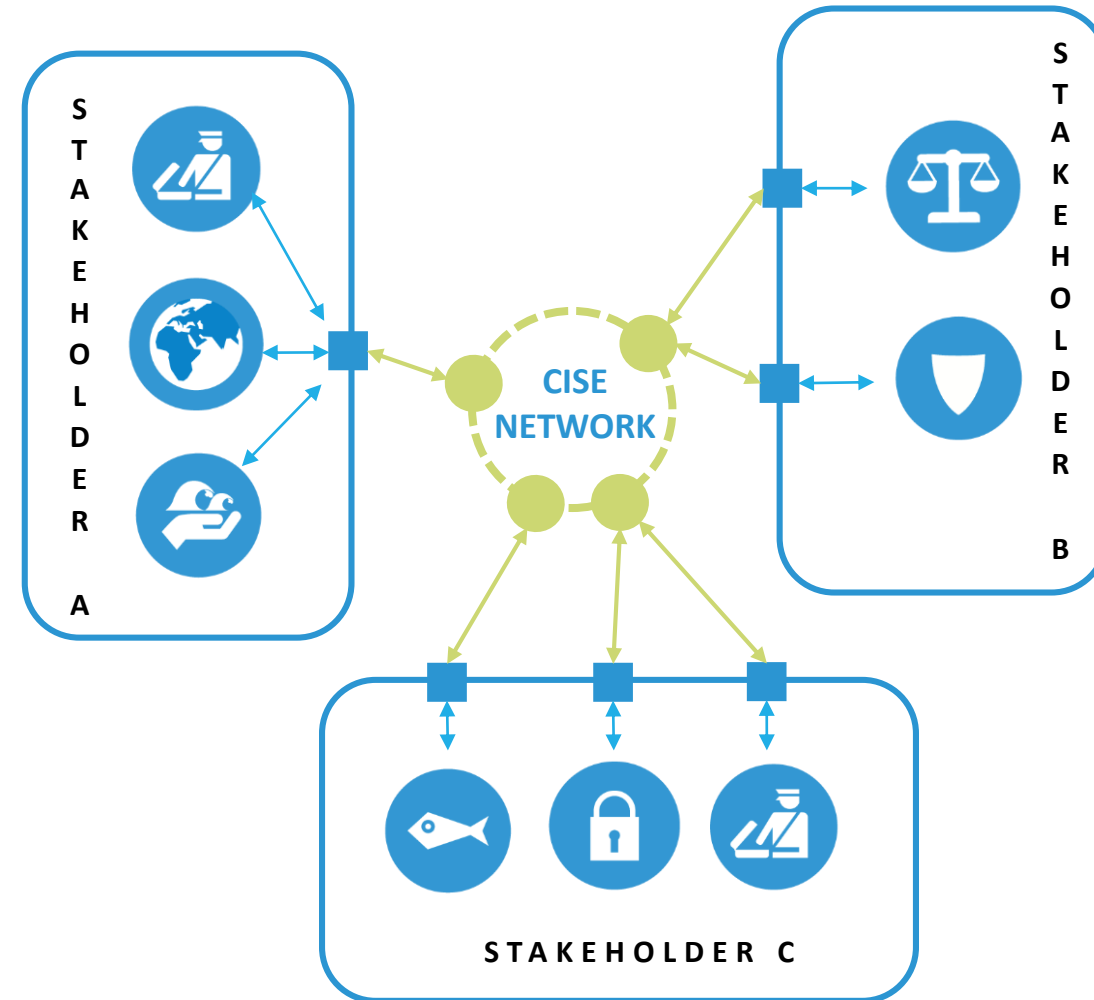




Without or with CISE?



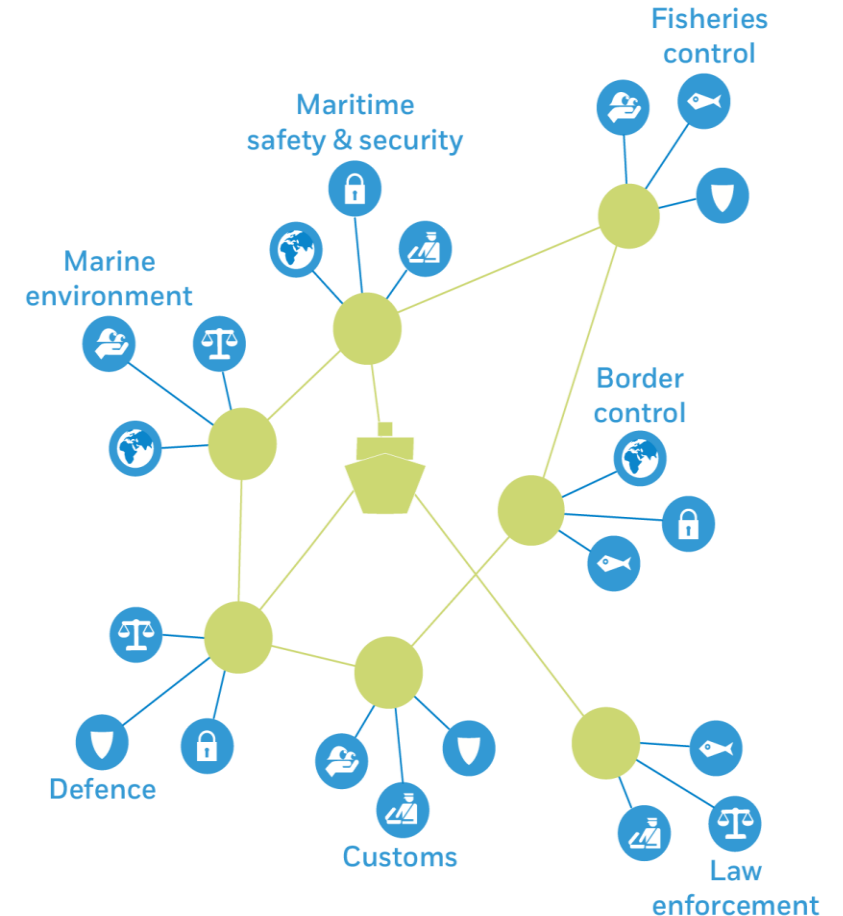
VS



- ~> **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

- ~> **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

- The **CISE network is constantly increasing**
- The **CISE Transitional Phase** activities are well under way with some important results (CA and Operational network)
- The **CISE Catalogue** is established and updated regularly
- Commission (DG MARE) is putting in place **funds**:
 - EMFAF
 - Call for proposals for the Operational Services
- The progress made in the Transitional Phase was **recognized by the Council** (conclusions on maritime security on 22 June 2021):
 - CISE as the interoperability solution in the EU maritime domain.
 - further **efforts to set up a fully operational network.**
 - the **Working Party on the Maritime Issues** to permanently monitor the implementation of CISE.



Thank you for your attention!



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www.emsa.europa.eu/cise.html



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