



EUCISE 2020



# Introduction to EUCISE2020 project



P. Sacco, Italian Space Agency, ETSI, 07/11/2017

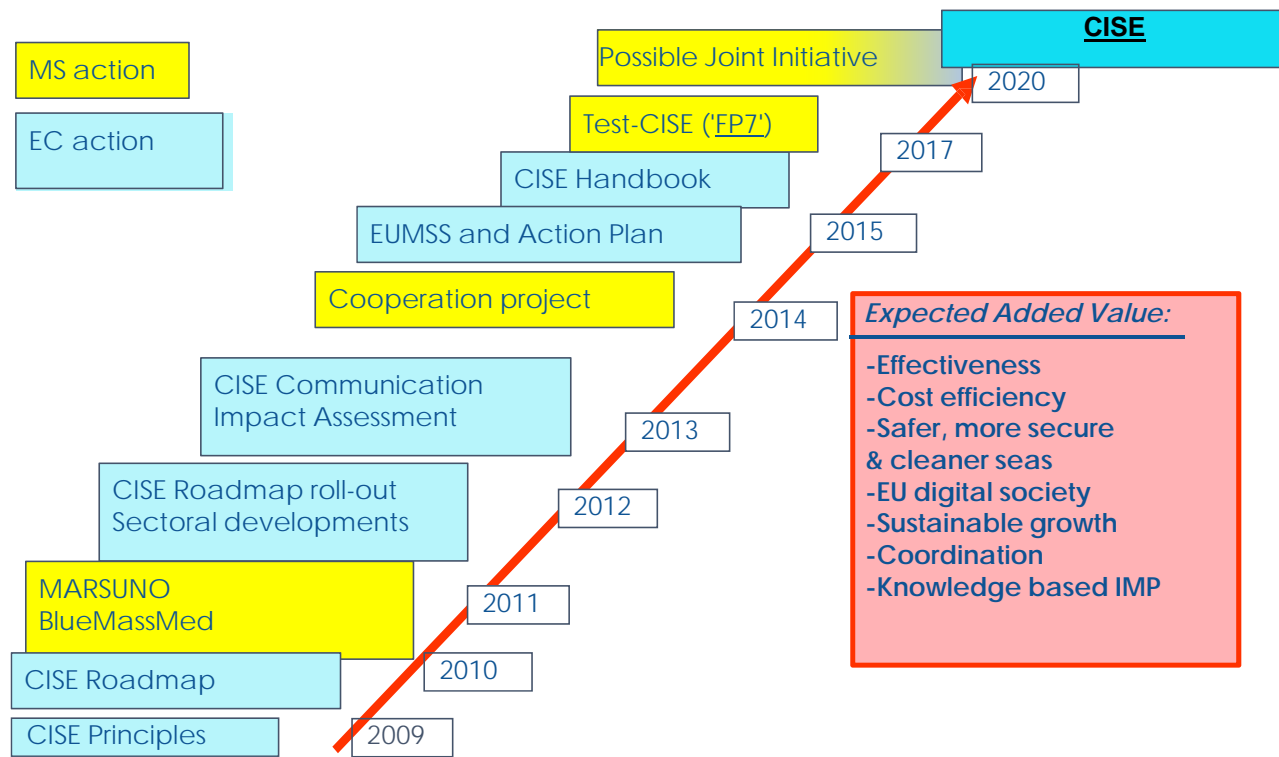


EUCISE2020 received funding from the European Union's seventh framework programme under grant agreement no: 608385





Cross – Sectorial interoperability for better “Maritime Governance”



EUCISE2020 received funding from the European Union's seventh framework programme under grant agreement no: 608385





- ASI: project coordinator
- 38 partners
- 15 EU/EEA maritime Countries
- Open to new partners and to collaborations with EU Agencies



- ★ Maritime Authorities
- ◆ Experts
- Research Institutions

More than 40 maritime administrations

EUCISE2020 received funding from the European Union's seventh framework programme under grant agreement no: 608385





Phase 1 - Initial Definition Phase (CSA)

Phase 2 - Preparatory and Execution Phase (CP/RTD)

Phase 3 - Ex-Post Assessment (CSA)

Starting date: December, 1<sup>o</sup>, 2014

Total duration: 45 months

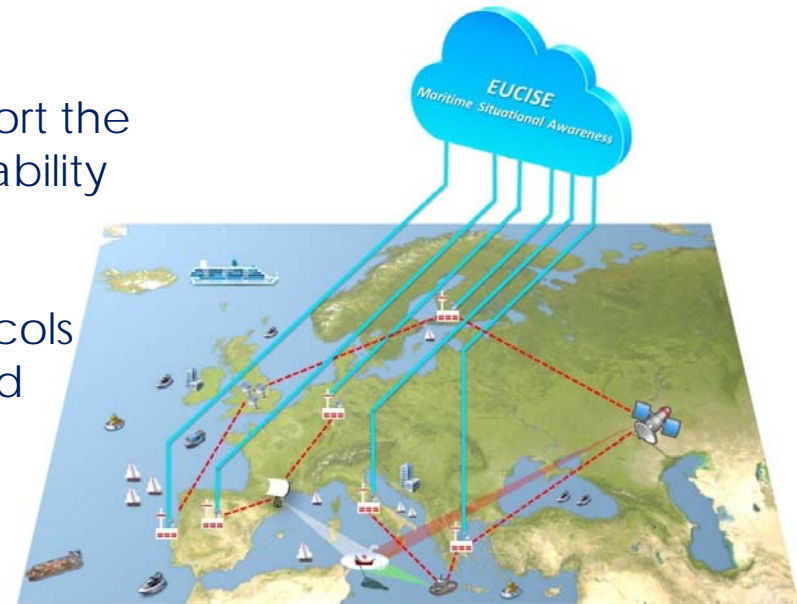
 EUCISE2020 received funding from the European Union's seventh framework programme under grant agreement no: 608385





Primary mission of EUCISE2020 is to support the EU Maritime Situational Awareness capability by means of an **Information Sharing Environment** capable to implement adequate security measures and protocols ensuring the confidentiality, integrity and availability of the data required and transmitted in the CISE community.

EUCISE2020 will not affect the functionalities of the operational information systems belonging to the participating Public Authorities or of the European existing sectorial information systems.



**Blue lines depict flows of information within the CISE community**, while the red dashed lines depict flows of information within the legacy systems belonging to single Public Authorities.

 EUCISE2020 received funding from the European Union's seventh framework programme under grant agreement no: 608385





## NETWORK TOPOLOGY

The network topology of EUCISE2020 is based on the CISE hybrid vision concept. Each Member State and Community can adopt one of the following paradigms:

- Single-way approach: All Public Authorities of a Member State are connected to the EUCISE2020 Network through a single access point
- Multiple-way approach: Public Authorities of a Member State are connected to the EUCISE2020 Network through different access points

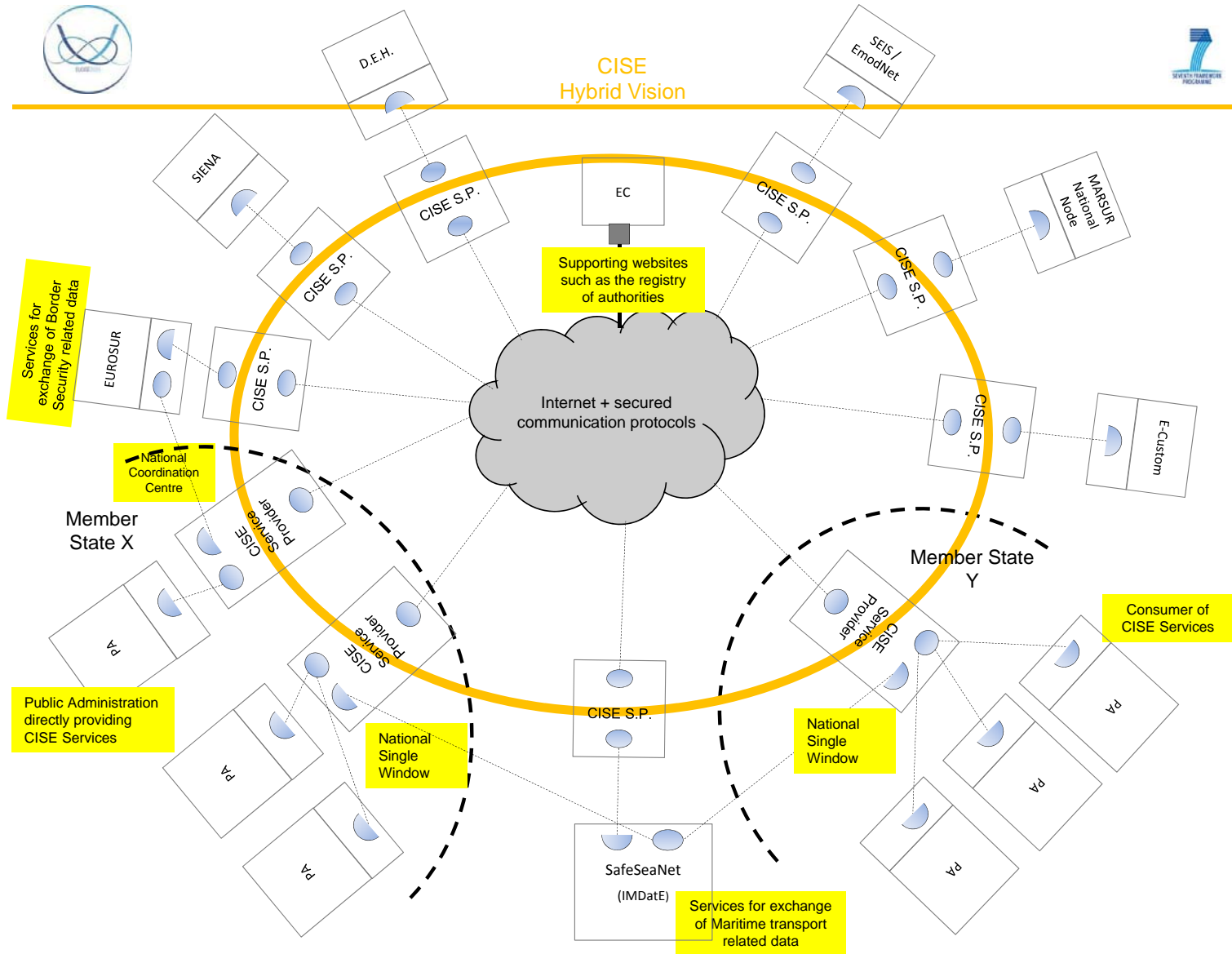


EUCISE2020 received funding from the European Union's seventh framework programme under grant agreement no: 608385





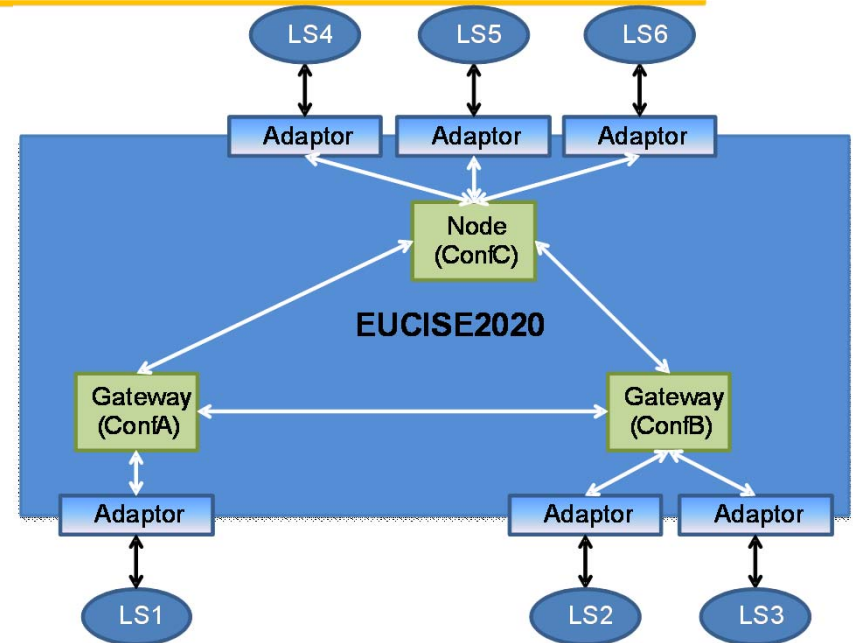
## CISE Hybrid Vision





The EUCISE2020 network is composed by:

- **Gateway A:** node of the network which provides the basic services (core, common & collaborative) on behalf of a single LS
- **Gateway B:** node of the network which provides the basic services (core, common & collaborative) on behalf of more LSs
- **Node C:** node of the network which provides either the basic (core & common) and advanced services (light client, data fusion) on behalf of more National LSs
- **Adaptor:** translator of the LS data model and service model in the EUCISE2020 data model and service model



- **Legacy System (LS):** National MSA system belonging to almost one of the 7 application domains (Defence, General Law Enforcement, Marine Environment, Customs, Fisheries Control, Border Control, Maritime Safety and Security)







- ✓ The result of the project will be a validated technical and operational reference framework
- ✓ Enhanced maritime awareness will help ensuring more secure, safer and cleaner seas
- ✓ Clear evidence of the cost/effectiveness of the approach will be provided
- ✓ The consolidation of requirements and joint procurement will lead to future reduced procurement and maintenance costs
- ✓ Participants will verify and optimize their technological choices
- ✓ The project has the potential to create important market opportunities worldwide for the European industry





EUCISE 2020



THANK YOU FOR ATTENTION!

<http://www.eucise2020.eu/>



EUCISE2020 received funding from the European Union's seventh framework programme under grant agreement no: 608385





EUCISE 2020



# EUCISE2020

## Work Package 10: «*Standardisation and IPR Proposal*»

B. Wehner, FGMSSC, WP 10 leader

*ETSI, 07/11/2017*



EUCISE2020 received funding from the European Union's seventh framework programme under grant agreement no: 608385





## WP 10 «Standardisation and IPR Proposal»

Based on WP 5 «Governance of the Standardisation Process

**Directed at the CISE exploitation / implementation**

Timeline: end of EUCISE2020 - 2020



EUCISE2020 received funding from the European Union's seventh framework programme under grant agreement no: 608385





## WP 10 Task:

- **Technical Standardisation Proposal for CISE exploitation**
- Operational Standardisation Proposal for CISE exploitation
- Regulatory procedures for a «Responsability to Share» policy
- IPR Proposal for CISE exploitation



EUCISE2020 received funding from the European Union's seventh framework programme under grant agreement no: 608385





## Objectives for Technical Standardisation:

*Define new technical standards for the components of CISE, including the protocol stack, the semantic and data model specifications, the core and common services.*



EUCISE2020 received funding from the European Union's seventh framework programme under grant agreement no: 608385





## Procedural options analyzed for technical standardisation

1. Elaborate documents for EU Commission use
2. Transfer standardisation process to an expert community

### Expert community: European Standards Organisation

- Expert involvement in discussion and evolution of standards
- Public authorities and industry expertise cooperation
- Non EUCISE2020 participation possible
- Self- sustaining after EUCISE2020 termination





## Expert community:

### European Telecommunications Standards Institute

- Most appropriate with regard to technical scope
  - CISE data model
  - CISE service model
  - CISE access rights matrix and data protection protocols
- Offers an evolutionary option (ISG – TC)
- Process open to non- ETSI members







## Approaches to ETSI standardisation

- Allocation of work under an existing Technical Committee (TC) and related Working Group (WG)
- Creation of a new TC
- Creation of a new Industry Specifications Group (ISG)





## Approaches to ETSI standardisation

- No ETSI WG currently dealing with information sharing in the maritime domain
- TC and WG limited to ETSI members
- ISG flexible in membership and working procedures
  - Open to non- ETSI members
  - Deviations from TWP possible





## Approaches to ETSI standardisation

### Framework of an ISG:

- Limited in time (usually 2 year lifespan)
- Open to organisations that are not ETSI members
- May deviate from ETSI technical working procedures
- Cannot create European Standards and norms
- Can evolve into a Technical Committee (which can create European standards)



EUCISE2020 received funding from the European Union's seventh framework programme under grant agreement no: 608385





## Activation of an ISG

### Step 1:

- Create an ISG founding group of at least 4 ETSI members

### Step 2

- Draft Membership Agreement and Participant Agreement
  - Standard legal part
  - Scope of work
  - Work plan

### Step 3:

- Review of the agreements with ETSI experts prior to submission





## Activation of an ISG

### Step 4:

- Formal submission
  - ISG proposal prepared by ISG founding members with support of ETSI experts
  - Notice by founding members to ETSI Director confirming support
  - Submission of the signed membership agreement

### Step 5:

- Approval of the ISG proposal by ETSI Director





EUCISE 2020

Standardisation process



# Questions ?



EUCISE2020 received funding from the European Union's seventh framework programme under grant agreement no: 608385

