



EU-CISE 2020

Paolo Salieri

*European Commission
DG Migration and Home Affairs*

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OUTLINE

- *EU R&D*
- *Interoperability as priority for Security Research*
- *EU CISE 2020*

EU R&D Policy objectives:

- *Contribute to setting up a European R&D Area,*
- *Support the implementation of EU policies,*
- *Support the competitiveness of the EU Industry.*

PRINCIPLES:

- **Collaborative R&D** (Min 3 entities from 3 countries)
- **Competitive selection** based on **Peer Review**
- **Grants** (subventions): calls for proposals (shared costs, IPR to proposers) based on annual work-programmes



- **Mission driven character**

mission – functions – capabilities -- > technologies and knowledge

stimulate collaboration between technology providers and end - users

- **1,400 M€ (20% SMEs)**

- EU funding: ~ 50% of total European funding in civilian security research
- More than 300 projects and 2,500 participants
- Around 15 related to maritime security for ~100 M€ EU funding

FP7 Security Research: Security Systems Integration, Interconnectivity and interoperability



*This mission area seeks **research** targeted to solving practical interoperability, intercommunication and interconnection issues in the security field, with a holistic and crosscutting approach, while ensuring reliability, confidentiality and integrity of information.*

Important elements in this activity will be:

- Communication and interaction among different organizations and nations;*
- Relationship among end user's processes, training and technological issues;*
- Interactions between technological and organizational factors;*
- Interoperability between information and command functions;*
Interoperability among different equipment deployed in security incident.

COUNCIL DECISION 19/12/2006 implementing FP7



Why:

(At least) 5 of the CISE functions / communities (Maritime safety/security, fisheries control, marine pollution, customs, border control, law enforcement, defence) are intrinsic end-users of Security Research (maritime surveillance).

What:

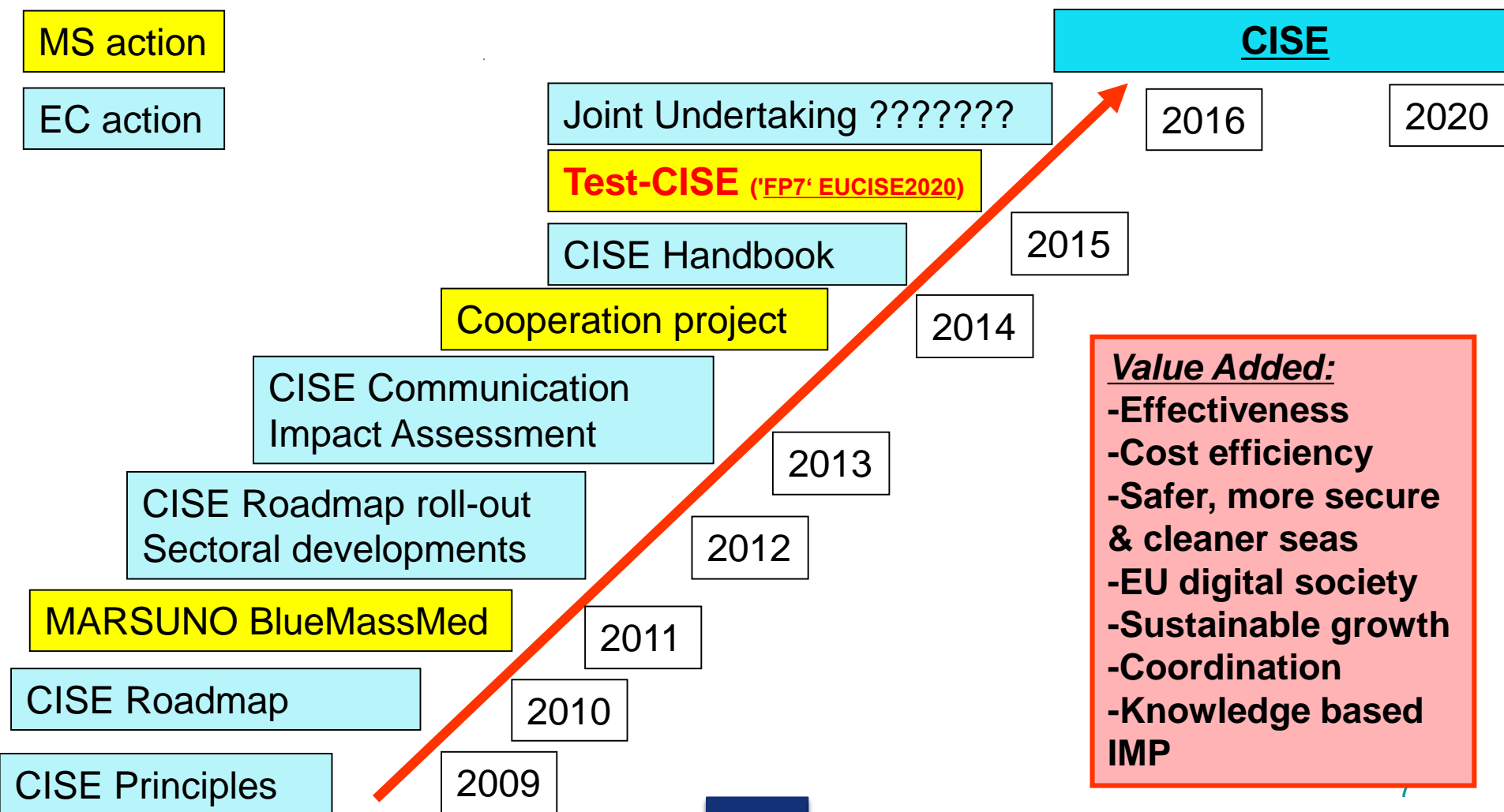
To test and validate in a prototype the CISE concept under realistic operational conditions, for the cross sectorial data exchange in a test-bed connecting the systems of a subset of concerned public authorities.

Project implemented via the CP-CSA funding instrument.



Cross-sectoral interoperability for better 'Maritime Governance'

CISE: Common Information Sharing Environment



Definition Phase

CSA

Vision, Validation Strategy
Joint definition of Call(s) for Tenders (and evaluation of bids)

Public authorities

100%

Execution Phase

CP

Procurement of R&D Service Development / Testing

Solution 0

Solution 1

Solution 2

75 %

Assessment Phase

CSA

Joint Validation and Conclusions

Public authorities

100% Funding rate

Coordinated by Agenzia Spaziale Italiana

***37** beneficiaries, **22** maritime surveillance authorities (and national ministries), **15** countries represented*

"R&D" experiment in which to explore novel approaches, test them and draw conclusions.

EUCISE 2020 as R&D



*EU CISE 2020 is built on the idea of a common **environment** : a system is more "static" / an environment is more "dynamic".*

The pathway to this common environment must be based on the analysis of the legacy context and the consensus on the desirable requirements.

A well - balanced step – by - step approach is necessary.

A permanent effort: R & D is a prerequisite to progress from one step to the next.

From the very beginning three major activities researched:

- the "Business Cases" or operational requirements of the (diversified) "end-users",*
- the administrative and legal framework,*
- **the technical solutions**, which are vital to create the environment.*

EU CISE 2020 has the ambition to follow the "comprehensive approach" claimed so often in official speeches and in a number of EU Policy documents (and conclusions) when it comes to safety and security (at sea).

EU CISE 2020 is to serve as a facilitator and provider of a test bed on which to establish the future solution.



EUMSS and CISE

2014: adoption of the European Union Maritime Security Strategy (EUMSS) and a related action plan. (17002/14 doc. 15658/14 6/12/2014)

CISE is embedded in the 2nd workstrand:

- 1. External action**
- 2. Maritime awareness, surveillance and information sharing**
- 3. Capability development**
- 4. Risk and crisis management, protection of infrastructures**
- 5. Research, innovation, education and training**

2.1. Further implement the Common Information Sharing Environment (CISE)

2.1.6. Promote the development of projects in the field of maritime information such as the Pre-Operational Validation project of CISE (POV CISE).

Thank you!

paolo.salieri@ec.europa.eu