

MARITIME

# (IT) Critical Seabed Infrastructure Protection (CSIP)

(established in May 2023)

For Public Release

## PROJECT DESCRIPTION


CSIP is envisaged as CAPDEV project to be used by different European Countries based on a shared underwater policy, which can be tailored to different participant Member States (PMS) needs. In the wake of PESCO cooperation, most of critical infrastructure characteristics constitute the common ground on which to apply national specific requirements in terms of maritime vigilance, security and safety.


Specifically, the goal is to ensure the protection of infrastructures from natural events, intentional attacks and deliberate sabotage (defensive function) through the use of UUV (embracing both AUV – Autonomous Underwater Vehicle – and ROV – Remotely Operated Vehicles) and mobile and resident hosts.

No interest or intention exists to substitute private companies neither in the maintenance of the infrastructures in subject nor in drilling and exploiting the seabed. According to the dual and complementary use of the military capabilities to be achieved, European Navies intend to contribute in a significant way to the strategic autonomy and the prosperity of the EU).

 IT, BE, FR, DE, PT, ES, SE

 BG, FI, IE

 **IDEATION**  
INCUBATION  
EXECUTION  
CLOSING

 **Contribution to the more binding commitments**  
Yes

## OBJECTIVES/PRODUCTS

The objective of this project is to increase the EU’s operational efficiency in the protection of critical maritime infrastructure protection by making best use of current, and the development of future, underwater assets.

CSIP aims at developing a system of systems composed by a mix of resident and deployable elements connected into a strong underwater network (cyber secured by design), based on several characteristic (persistence, cost effectiveness & simplicity, tailorable, c2 structure, durability, interoperability/integrability/interchangeability, modularity/adaptability) in order to fulfill the following main duties:

- underwater patrol and surveillance;
- underwater MSA (fusion between white & classified);
- underwater monitoring;
- early warning;
- integration with national C2 ops hq;
- protection with different kind of effectors.

 **Capability Perspective**

**CDP priority**  
Underwater control contributing to resilience at sea

**CARD references**  
Seabed Critical Infrastructure

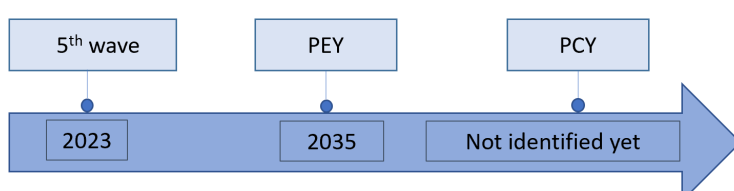
 **Operational Viewpoint**

**HICG**  
Mine Warfare Command, Control and Support

 **EDA support**  
No

## INDICATORS

Project Execution Year (PEY) and Project Completion Year (PCY):



## DELIVERABLES ACHIEVED



- No deliverables achieved yet.

## CRITERIA FOR SUCCESS

- Improve doctrine and CONOPS between EU and Member States for the protection of critical maritime infrastructure;
- Research & develop in the current area:
  - underwater network;
  - sensors;
  - UxV;
  - integration & interoperability and C2;
  - underwater communications;
  - effectors;
- improve the protection capabilities through common requirements and roadmaps.