

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 participating Member States (PMS) needs. In the wake of PESCO cooperation, most of critical infrastructure characteristics constitute the common ground on which to apply specific national requirements in terms of maritime vigilance, security and safety. CSIP capability is conceived as a system of systems (SoS) that will be capable of monitoring, protecting, and countering potential threats that may jeopardize the underwater infrastructure of interest.

This will provide an innovative capacity aligned with the necessity to preserve the vital interests of the country at sea, considering possible repercussions on security, as well as being capable of operating in defence of the security and integrity of the territory (inner defence/Homeland Security). 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 EU.

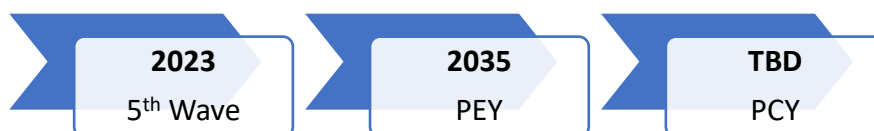
OBJECTIVES/PRODUCTS

The objective of this project is to increase the EU's operational efficiency in the protection of critical maritime infrastructure by making best use of current, and the development of future, underwater assets. CSIP aims at developing a system of systems composed of a mix of resident and deployable elements connected into a strong underwater network (cyber secured by design), based on several characteristics (persistence, cost effectiveness & simplicity, tailorable, C2 structure, durability, interoperability/integrability/interchangeability, modularity/adaptability) in order to fulfill the following main functions:

- Surveillance and early warning.
- Validation, Evaluation & dissemination of the Underwater Situational Awareness (UWSA).
- Reaction.
- Assessment.

INDICATORS

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

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

BG, FI, DK

**IDEATION**
INCUBATION
EXECUTION
CLOSING**Contribution to
the more binding
commitments**
Yes**Capability
Perspective****CDP priority**
Naval Combat
and Maritime
Interdiction
Underwater and
Seabed Warfare
Maritime Domain
Awareness**CARD references**
Seabed Critical
Infrastructure
Unmanned
Maritime
Systems Maritime
Surveillance**Operational
Viewpoint****HICG**
Mine Warfare
Command,
Control and
Support**EDA support**YesAd hoc Cat. B
support

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 & development in the current area:
 - Underwater network.
 - Sensors.
 - UxV.
 - Integration & interoperability and C2.
 - Underwater communications.
 - Effectors.
- Improve the protection capabilities through common requirements and roadmaps.
- A request for EDA support (CAT B project), submitted in 2024, is currently pending approval.