

ΠΟΛΕΜΙΚΟ ΝΑΥΤΙΚΟ HELLENIC NAVY



**Κ.Α.Σ.Μ.Ν.
C.A.C.S**



Κέντρο Αυτοματοποίησης Συστημάτων Μάχης Ναυτικού
Centre for Automation of Combat Systems

Αντιπλοίαρχος Γ.Σταυρίτης ΠΝ (Υποδιοικητής)
Commander Georgios Stavritis HN

C.A.C.S Mission

- CACS was established in 1988 in order to support the Frigates Tactical System.
- Our mission is:
 - To develop and support the software of automated combat systems of Hellenic Navy **in order to** optimize their effectiveness and via them, to support the mission of the Navy.
- Some of our tasks are:
 - a. The maintenance and development of tactical system for warships
 - b. The development and support of operational and strategic command and control systems for naval operations (Surveillance, Communication, Informatics, Simulation).
 - c. Proposals for new systems. Recommendations on existing systems for procurements.
 - d. Research and experimentation on new technologies related to our mission.



Participation in International Projects

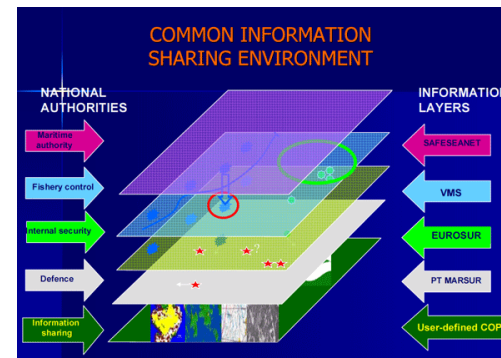
- MARSUR (EDA)
(MARitime SURveillance)



- PERSEUS (EU FP-7)
Protection of **EuR**opean **SE**as and borders
through the intelligent **U**se of **S**urveillance



- POV-CISE (EU FP-7)
(**P**re **O**perational **V**alidation
Common **I**nfо **S**haring **E**nvironment)
EU CISE 2020



- VRMTC – Italian Navy
(**V**irtual **R**egional
Maritime **T**raffic **C**entre)



Horizon 2020



- HN role as end-user
 - contribute in the validation process
 - define appropriate user requirements
 - achieve better and tailored results
- HN added value to proposals
 - Results could be tested and validated in real operations
 - HN could contribute in user interface design and test
 - CACS has knowledge of software integration to existing naval systems and legacy systems
- Results and products could also be used after the completion of Horizon 2020
- Modern and applied software engineering methods and technologies are used in Maritime Surveillance, Communication and C4I systems

Horizon 2020



Call – Border Security and External Security

■ Maritime Border Security

- HN is interested in new technologies and systems of Maritime Surveillance
 - Over the Horizon (OTH) radars
 - HF radars
 - Passive or low emission radar technologies
 - Electro-optic systems
 - Unmanned Aerial Vehicles (UAVs)
 - Security Systems





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