

INTERNATIONAL NAVAL SEMESTER

64th IG Meeting, Shumen, Bulgaria

LoD 11 – participant BOEI

- 12 participants
- 7 partners institutions

- Romanian Naval Academy, **Romania (2)**;
- Polish Naval Academy, **Poland (2)**;
- “Nikola Vaptsarov” Naval Academy, **Bulgaria (2)**;
- Italian Naval Academy, **Italy (2)**;
- Croatian Defence and Security University Dr. Franjo Tuđman , **Croatia (1)**;
- Royal Military Academy, **Belgium (2)**;
- Norwegian Defence University College, **Norway (1)**.



Col. Catalin POPA & Co
Chairperson LoD 11 & partners!

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LoD 11 – discussions/topics/debates

➤ The INS project report – progress report;

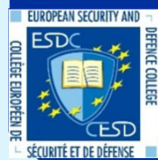
➤ The modules/activities conducted in fall semester **2024**;

➤ The partners' offer for the upcoming modules in spring **2025**;

➤ Future projects/initiatives for 2025 submission (marplat.eu);

➤ The implementation of NAVY-INS-Tech project has been monitored based on the progress report – partners conducted discussions on further activities/tasks.





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LoD 11 – INS joint project has been approved: NAVY-INS-Tech

PROJECT TITLE: ”*International Naval Semester Development Applying the Intelligent Technologies and the Innovative Tools in the European Navy Defence System*”

<https://www.anmb.ro/navy-ins-tech>
<https://marplat.eu/course/view.php?id=62>

Coordinator: Romanian Naval Academy,
Partners: Polish Naval Academy,
Bulgarian Naval Academy, Italian Naval Academy
Potential Beneficiaries: BOEIs, all services



- Approved budget: 250.000 Euro
- Period of implementation: 1st of November 2023 – 1st of September 2025

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Major foreseen results:

- **1 joint harmonized curriculum** – progress 100%;
- **8 STEM courses** learning and teaching materials, using modern and intelligent technologies – progress 80%;
- **4 HASS courses** learning and teaching materials, centered on EU culture and values – progress 20%;
- **8 short term students exchanges to be organized**: 4 STEM modules x 16 students = 64 students and 4 HASS modules x 8 students = 16 students, total of **80 students exchanged** – 64 stud. exchanged;
- **5 transnational meetings** to be conducted – 3 TPM conducted;
- **3 public events** organized in each partner country, with at least 30 attendees/event - TBC;
- **1 e-campus will be implemented** with digital resources available in EMILYO network (www.marplat.eu) by all interested BOEI – progress 60%;
- **1 International Naval Semester implemented/harmonized learning resources** – progress 60%.

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Progress report for STEM courses' development:

COURSES	Progress report %	Details – progress description	Risks
Naval Sensors (INA)	95%	Syllabus, all 13 textbox chapters are ready, 4 ppt ready, 7 labs ready. Working on the final version.	-
Naval Power Plants (INA)	55%	Syllabus, all 5 chapters (divided in 10 modules) are ready to be translated in english (textbox), 3ppts from 10 completed, working on labs.	N/A, all partners have contributed
Computer network (PNA)	75%	Syllabus, chapters 1,2,4,5 and 6 (textbook 100%), chapter 3 (textbook 30%). Working on ppts and labs.	N/A, all partners have contributed
Naval Cyber Threats (PNA)	75%	Syllabus, chapters 1,2 and 3 (4 in total) (textbook and ppt 100%), working on labs (simulations and training)	INA did not find an expert to work on their chapter. PNA expert started work later due to personal leave.
Naval Electronics (NVNA)	65%	Syllabus, chapters 1-7 must be translated in english (textbox and ppt), labs 1,2 and 5 (video capture from online free simulator) editing to be uploaded	PNA and INA low level of initiative and communication
Naval Communication (NVNA)	90%	Syllabus, chapters 4,5,6,7 (textbox and ppt) ready, labs 3-7 (video capture from GMDSS simulator) ready, working on chapter 1-3 and labs 1 and 2.	-
Oceanography (RNA)	95%	Syllabus, 5 chapters (textbox and ppt) ready and uploaded on www.marplat.eu , working at labs	-
Naval Architecture (RNA)	95%	Syllabus, 5 chapters (textbox and ppt) ready and uploaded on www.marplat.eu , working on labs and ppts.	-



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Progress report for STEM courses' development:

The screenshot shows the Marplateu website interface. The main heading is "NAVY-INS-Tech". Below it, a navigation menu lists various course topics under "My courses":

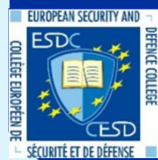
- NAVY-INS-Tech Project Management
- Naval Architecture
- Oceanography
- Naval Communication
- Naval Electronics
- Naval Cyber Threats
- Computer networks
- Naval Sensors
- Power Plants
- Naval Leadership
- Maritime Security
- CSDP
- Gender Perspectives in Naval Forces
- CUL MAR SMITS

The main content area displays a search bar with "NAVY-INS-Tech" entered and a list of course titles, including "NAVY-INS-Tech Project Management", "Naval Architecture", "Oceanography", "Naval Communication", "Naval Electronics", "Naval Cyber Threats", "Computer networks", "Naval Sensors", "Power Plants", "Naval Leadership", "Maritime Security", "Common Security and Defence Policy", and "Gender Perspectives in Naval Forces".

The screenshot shows the NAVY-INS-Tech project website. The main heading is "NAVY-INS-Tech". Below it, a navigation menu lists various project components:

- Project Management
- Naval Architecture
- Oceanography
- Naval Communication
- Naval Electronics
- Naval Cyber Threats
- Computer networks
- Naval Sensors
- Power Plants
- Naval Leadership
- Maritime Security
- Common Security and Defence Policy
- Gender Perspectives in Naval Forces

The main content area displays a search bar with "NAVY-INS-Tech" entered and a list of course titles, including "NAVY-INS-Tech Project Management", "Naval Architecture", "Oceanography", "Naval Communication", "Naval Electronics", "Naval Cyber Threats", "Computer networks", "Naval Sensors", "Power Plants", "Naval Leadership", "Maritime Security", "Common Security and Defence Policy", and "Gender Perspectives in Naval Forces".



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LoD 11 – INS strategic project : NAVY-INS-Tech

Conducted events/modules – 64 students had been exchanged :

- C1S. STEM harmonized curriculum for digital skills and IT technology abilities - "Computer Networks" and "Maritime Cyber Threats" modules in International Naval Semester (PNA, Poland) – **14.10-18.10.2024**;
- C2S. STEM harmonized curriculum for competencies in Hi Tech, Electronics and Telecommunications - "Naval Electronics" and "Naval Communications" modules in International Naval Semester (NVNA, Bulgaria) – **24.06-28.06.2024**;
- C3S. STEM competencies in Navy Engineering and Intelligent Weapon Systems - "Power Plants" and "Naval Sensors" modules in International Naval Semester (INA, Italy) - **18.11-30.11.2024**;
- C4S. STEM competencies in Naval Sciences - "Oceanography/ METOC" and "Naval Architecture" modules in International Naval Semester (RNA, Romania) – **11.11-15.11.2024**;
- TM3. **Project meeting – EU core of values curricular developments** – NVNA, Varna, Bulgaria, October 2024 – 2 days, 2 pax/partner, **16.10- 18.10.2024**.



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LoD 11 – INS strategic project : NAVY-INS-Tech

Conducted events/modules - 64 exchanged students:

”Computer Networks” and **”Maritime Cyber Threats”** – Polish Naval Academy, Poland – 14.10-18.10.2024

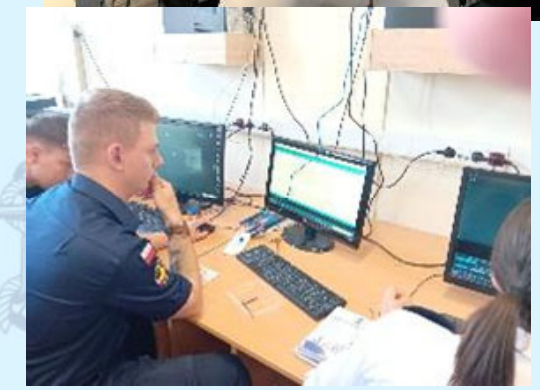


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LoD 11 – INS strategic project : NAVY-INS-Tech

Conducted events/modules - 64 exchanged students:

”Naval Electronics” and ”Naval Communications” modules, Bulgarian Naval Academy, Bulgaria) – 24.06-28.06.2024

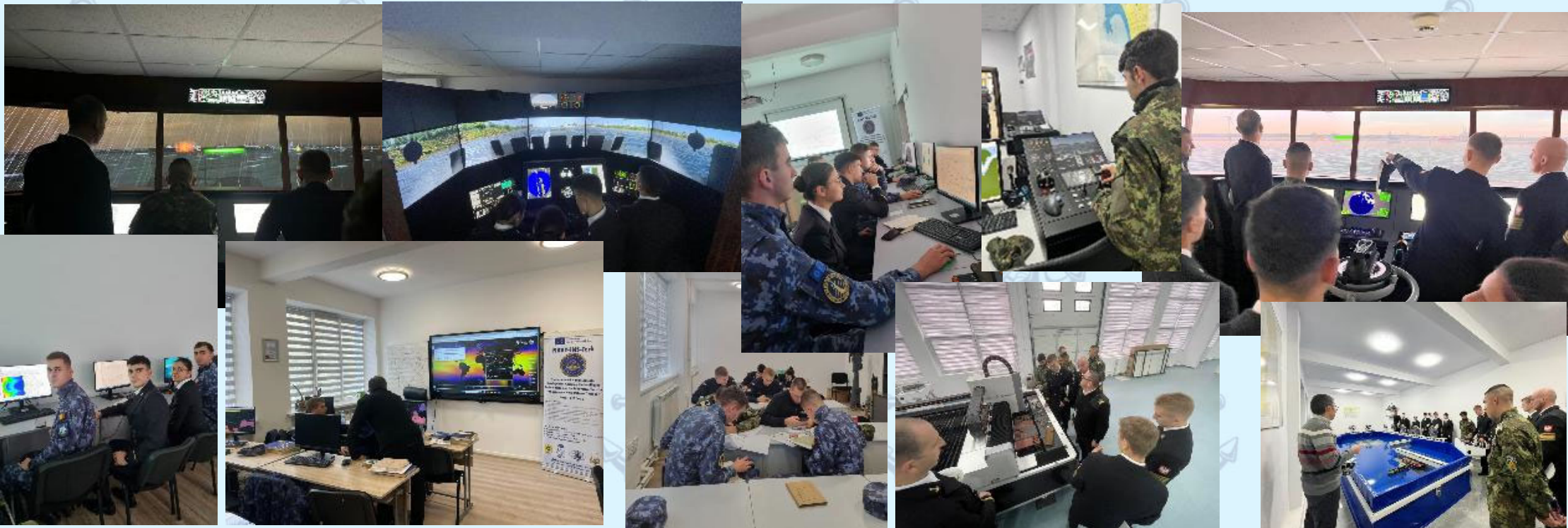


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LoD 11 – INS strategic project : NAVY-INS-Tech

Conducted events/modules - 64 exchanged students:

”Oceanography/ METOC” and ”Naval Architecture” modules in Romanian Naval Academy, Romania – 11.11-15.11-2024



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LoD 11 – INS strategic project : NAVY-INS-Tech

Conducted events/modules - 64 exchanged students:

”Power Plants” (3 ECTS) and ”Naval Sensors”(3 ECTS) modules in Italian Naval Academy, Italy – 18.11-02.12-2024



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WP3 – TASKS AND RESPONSABILITIES:

COURSES TO BE ORGANIZED during WP3 in 2025

- **C5S. NHEI ESDP harmonized curriculum for developing an EU Security culture on CSDP** – organized by RNA, in **Romania** - 1 module to be delivered residentially: "EU Common Security and Defence Policy" (2 ECTS) - 8 students to be instructed (2 students/partner) – 5 days, **10.03-14.03.2025**;
- **C6S. NHEI ESDP harmonized curriculum for Maritime Security** – organized by NVNA, in **Bulgaria** - 1 module to be delivered residentially: "EU Maritime Security" (2 ECTS) - 8 students to be instructed (2 students/partner) – 5 days, **14.04-18.04.2025 (to be confirmed)!!!**;
- **C7S. NHEI ESDP harmonized curriculum for Naval Leadership on EU social and military core values** – organized by INA, in **Italy** - 1 module to be delivered residentially: "Naval Leadership" (2 ECTS) - 8 students to be instructed (2 students/partner) – 5 days, **05.05-10.05.2025 (to be confirmed)!!!**;
- **C82. NHEI EU diversity competencies - Gender Navy Perspectives seminar** – organized by PNA, in **Poland** - 1 module to be delivered residentially: "Gender Issues in Naval Forces" (2 ECTS) - 8 students to be instructed (2 students/partner) – 5 days, **09.06-13.06.2025 (to be confirmed)!!!**;

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Training modules/events conducted during fall 2024:

- ENASC pre-conference – Bulgarian Naval Academy (Varna, 17-18.10.2024) – 17 Naval Academies;
- 4 modules under INS-Navy-Tech project (in Romania, in Poland and Italy);
- Target detection, tracking and identification at sea basic training course – NDAL (Latvia, 30.09-04.10.2024);
- NATO English Terminology – RNA (Romania, 04-08th of November 2024) - *Blended Intensive Program*;
- International Week – Spanish Naval Academy (Spain, 11th-16th of November 2024);
- CSDP module – Spanish Naval Academy (Spain, 16th-20th December 2024);
- EMILYO Exchanges/Erasmus – 86 students - RNA (31 cadets), PNA (10 cadets), NVNA (20 cadets), INA (25 cadets).

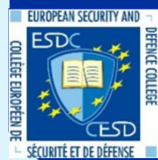


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Training modules/events planned during spring 2025 (to be completed):

- **"Common Security and Defence Policy"** – RNA, Romania (10-14.03.2025) (*INS project*);
- **"Navy Tactics Warfare on Simulator"** – RNA (Romania, 31.03-04.04.2025) - *BIP*;
- **"Leadership C – Physical Training"** – RNA (Romania, 05-09.05 2025) - *BIP*;
- **"Seamanship Training Week"** – RNA (Romania, 23-27.06 2025) - *BIP*;
- **CadetNav International Conference** – RNA (Romania, 31.03-04.04.2025) – *International Conference*;
- **"Ship Handling and Safety of Navigation"** – NVNA (Bulgaria, 12-16.05.2025) - *BIP*;
- **"Fundamentals in Cybersecurity Summer Camp"** – NVNA (Bulgaria, 30.06-11.07.25) - *BIP*;
- **"AI in the Sky"** – NVNA (Bulgaria, May 2025) - *BIP*;
- **"International Week"** – NVNA (Bulgaria, 07.07-11.07.2025) – *seminar*;





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LoD 11 – Future projects for INS to be applied in 2025

LoD 11 – Joint project to be reviewed and re-submitted (proposal under RNA guidance) :

- KA226 – "European Navy Training Network for Improving the C-VET Curriculum

toward a joint European Security and Defence Culture valuing the Work-based

Learning Tools and Smart Training Technologies" – "NAVY-Train Net"- (March

2025) – the project application will be reviewed in its major outlines (WP, activities, LLT, events, budget).

Major foreseen results: *the curriculum for Navy training programs to be harmonized, 8 training modules to be harmonized, 6 programs to be jointly conducted.*

QUESTIONS?



Thank you!