ROMANIAN NAVAL ACADEMY „Mircea cel Bătrân" New Project Initiatives

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INTERNATIONAL DEVELOPMENT PROJECTS
2022-2023

BLUE4SEAS – „Strategic Partnership for supporting Blue Growth by enhancing Maritime Higher Education maritime cooperation framework on marine pollution and environment protection field"

151.950 Euro

FAST - Innovative assessments tools and practices for formal education processes for Defense and Public Order Educational Sector – enhanced digital and online methods and technologies

27.172 Euro

SeaSAFERS - Simulation of Sea Accidents For Effective Responses

38.670 Euro

MARINTECH - Romanian - Norwegian Strategic Cooperation in Maritime Higher Education for enhancement human capital and knowledge base in field of marine intelligent technologies

161.000 Euro

A joint opened window to the universe mysteryes – (RoBg 528)

149.711 Euro

MARS-NET -Maritime Simulators and Training Facilities Network

207.290 Euro

SEA MENTORS - SEAfarers Experiential Knowledge Based Mentors

184.810 EEuro

Maritime Simulators and Training Facilities Network for Enhancing the Exchange of Good Practices and Digital Learning

KA220 - Cooperation Partnerships in Vocational Education and Training

2021-1-RO01-KA220-VET-000029412

Project Partners

- **RNA** - Romanian Naval Academy - Academia Navala "Mircea cel Batran" (E10093117 - Romania)

- **NVNA** - Bulgarian Naval Academy - "Nikola Yonkov Vaptsarov" Naval Academy (E10108590 - Bulgaria)

- **PNA** - Polish Naval Academy - AKADEMIA MARYNARKI WOJENNEJ (E10090628 - Poland)

- **LMA** - Lithuanian Maritime Academy - Lietuvos aukstoji jureivystes mokykla (E10108901 - Lithuania)

- **PRU** - Piri Reis University - T. C. Piri Reis Universitesi (E10105404 - Turkey)

PROJECT OUTLINES

- PROJECT ACRONYM: MARS-NET
- PROJECT START DATE: 2022-02-01
- PROJECT TOTAL DURATION: 24 MONTHS
- PROJECT END DATE: 2024-01-31
- GRANT APPROVED: 207.970 EURO

		RNA	PRU	NVNA	PNA	LMA	Total
PMI		12,000 €	6,000 €	6,000 €	6,000 €	6,000 €	36,000 €
TPM		4,025 €	4,025 €	4,025 €	5,750 €	4,025 €	21,850 €
Intellectual Outputs		12,390 €	11,470 €	11,100 €	11,840 €	11,840 €	58,640 €
Multiplier events		5,000 €	5,000 €	5,000 €	5,000 €	5,000 €	25,000 €
Learning/Training Teaching		13,480 €	13,480 €	13,190 €	13,765 €	12,565 €	66,480 €
Total Grant		46,895 €	39,975 €	39,315 €	42,355 €	39,430 €	207,970 €

Project Objectives

- **Harmonizing in international joint the curriculum for <mark>10 vocational courses</mark> using the simulating training environment;**

- **Developing <mark>learning resources for 5 digitalized courses</mark> using the simulator facilities for navigation, engine room and cargo handling;**

- **Carrying out <mark>5 research studies</mark> about the simulating facilities usage in maritime education in order to disclose its potential for scientific research in further initiatives;**

- **Developing a <mark>virtual online campus for advanced learning resources</mark> distribution among the partners;**

- **Conduct <mark>5 international courses kept residentially</mark> for students and teachers, valuing the simulating facilities.**

O1 "Building the updated pool of competencies for maritime education to improve the value of simulating facilities in maritime education"

February 2022 – April 2022

Leader: **PRU**

WHAT TO DO?

- **10 course syllabuses to be harmonized** for selected STCW courses, to value the simulation learning methods on hard and soft skills requirements:
  - ❑ Ship Handling and Manoeuvring,
  - ❑ Cargo handling,
  - ❑ Navigational Watchkeeping,
  - ❑ Engine Room Watchkeeping,
  - ❑ Radar Navigation,
  - ❑ Maritime Search and Rescue,
  - ❑ Coastal Navigation,
  - ❑ Naval Machines and Equipment,
  - ❑ Naval Communications,
  - ❑ Celestial Navigation.

HOW?

- The partners will identify, the most relevant courses, that use the simulation facilities, seeking to develop hard skills for graduates.
- Once agreed, these courses will be developed in their content based on simulation facilities utilization, to improve the learning process and digitization of maritime education, but more focused on practical side of maritime profession.

Leader: **PNA**

O2 "Digital media tools to enhance the simulating teaching efficiency in maritime education"

May 2022 – April 2023

WHAT TO DO?

- **1 guide for best practices in modelling the digital course content** to exchange good practices in building the digital materials, as to be forth commonly used in exchange programmes implemented among the partners.
- **1 evaluation/assessment guide for simulation courses** in maritime education will be conceived to facilitate the common practices implementation on hard skills courses, solving a great issue faced among the partners in reference to the simulation facility usage.
- **5 common harmonized course/seminar digital materials**.
- **25 video tutorial materials for simulating classes** instructions will be prepared.

HOW?

- The guidance framework for the project will be issued, together with the summary design of most 5 relevant courses in which simulation facilities are used.
- the partners will produce in support of this objective, as models, several samples of digital materials, using the simulators
- the partners will create harmonized teaching materials for 5 selected courses, as the most relevant in using intensively the simulation facilities.

O3 "Virtual digital campus for teachers, researchers and students"

Leader: **RNA**

March 2022 – October 2023

WHAT TO DO?

HOW?

- **1 virtual network** for teachers/experts/ and 1 virtual collaborative e-campus for teachers and researchers.
- **1 video conference system** .
- **5 subject shall to be uploaded on the platform** available to facilitate the dual education system for cadets onboard the ships -each partner will be responsible for one course, as assigned in O2:
  - ✓ **Ship Handling and Manoeuvring** (Navigation simulator);
  - ✓ **Navigational Watchkeeping** (Navigation simulator);
  - ✓ **Radar Navigation** (Navigation simulator);
  - ✓ **Engine Room Watchkeeping** (Engine Room Simulator);
  - ✓ **Cargo handling** (Cargo handling Simulator).

- create and to access the virtual network developed as a "virtual campus" for sharing the didactic materials and the digital resources.

O4 "Joint scientific research partnership for building a more efficient and effective teaching learning environment based on simulation facilities"

May 2023 – October 2023

Leader: NVNA

WHAT TO DO?

HOW?

- **5 research studies on simulating environment efficiency and effectiveness for maritime education and training**

✓ *Class leadership and methods to overcome the limits of virtual education*

✓ *Evaluation methods for students on learning by simulating environment*;

✓ *Virtual scenarios development;*

✓ *Leadership studies on bridge team management using the simulators;*

✓ *Research study about connecting solution of simulating facilities of partners*

(academic network of simulators).

- the studies will be presented on project conferences and will be further published in open access international journals for dissemination.

Leader: **LMA**

O5 "Virtual webinar tools to enhance the digitization of learning materials in Maritime Higher Education"

November 2022 – June 2023

WHAT TO DO?

- **250 students and 20 teachers will be virtually enrolled in digital classes**, to support the developing of the digital content materials.

- **5 digital courses**, teaching materials (O2) and online available resources (O3), digitally developed in virtual manner to stimulate the cadetship dual system programs, the virtual mobility of international students and the digitization of simulating classes.

- For each online course **10 students x 5 partners = 50 students will be enrolled**.

- For each module digital resource learning: **7 topics /2hrs+ 7 seminars/2hrs – recorded online (capture) + 5 video tutorials (laboratory) to be filmed in the simulator**

HOW?

- LMA as responsible partner will coordinate the students enrolment and teachers assignments for virtual activities managed within the virtual campus environment.
- The responsible teachers will be assigned by each partner, in compliance with the attributed tasks.

Learning, Teaching and Training" activities

INTENSIVE PROGRAMMES FOR HIGHER EDUCATION TEACHING STAFF (3-5 days training program)

C1 -"Digital exercises on shiphandling simulator – exchange of good practices and building tutorial digital courses"

C2 -"Digital exercises on engine room simulator – exchange of good practices and building tutorial digital courses"

C3 -"Digital exercises on cargo handling simulator – exchange of good practices and building tutorial digital courses"

INTENSIVE PROGRAMMES FOR LEARNERS (5 days training program)

C4 -"Watchkeeping course on bridge simulator for deck cadets – blended training session on practice to virtual"

C5 - "Watchkeeping course on engine room simulator for engine cadets – blended training session practice to virtual"

SEAfarers Experiential Knowledge Based MENTORS

SEA MENTORS

KA220 - Cooperation Partnerships in Vocational Education and Training

2021-1-RO01-KA220-VET-000029622

PROJECT OUTLINES

- PROJECT ACRONYM: SEA MENTORS
- PROJECT START DATE: 2022-02-01
- PROJECT TOTAL DURATION: 24 MONTHS
- PROJECT END DATE: 2024-01-31
- GRANT APPROVED: 184,810 EURO

Budget Summary	
Budget items	**Total grant**
Project Management and Implementation	42,000
Transnational Project Meetings	23,000
Project Results	111,810
Multiplier Events	8,000.00
Learning/Teaching/Training Activities	0.00
Inclusion support	0.00
Exceptional costs	0.00
Total grant	184,810.00

Project Partners

- **RNA** - Romanian Naval Academy - Academia Navala "Mircea cel Batran" (E10093117 - Romania)

- **NVNA** - Bulgarian Naval Academy - "Nikola Yonkov Vaptsarov" Naval Academy (E10108590 - Bulgaria)

- **PNA** - Polish Naval Academy - AKADEMIA MARYNARKI WOJENNEJ (E10090628 - Poland)

- **LMA** - Lithuanian Maritime Academy - Lietuvos aukstoji jureivystes mokykla (E10108901 - Lithuania)

- **MI** – Maritime Innovators (E10050928 - Turkey)

- **SPINAKER** Company – IT expert (Slovenia)

Project Objectives

- **Building an online joint platform for students counselling and mentoring in carrier guidance;**

- **Developing new and innovative tools for testing the students vocational and professional profile;**

- **Awareness of seafaring cadets regarding the experiences onboard the military and civilian ships;**

- **Reveal diversity management tools and gender issues onboard the ships;**

- **Sharing the mentoring materials to the students;**

- **Stimulate the cadets insertion onboard military and civilian ships.**

Intellectual outputs

No	Intelectual Output	Responsible partner	Duration	Deliverable type	Year / Month	Ian	M1 Feb	M2 Mar	M3 Apr	M4 May	M5 Jun	M6 Jul	M7 Aug	M8 Sept	M9 Oct	M10 Nov	M11 Dec	M12 Ian	M13 Feb	M14 Mar	M15 Apr	M16 May	M17 Jun	M18 Jul	M19 Aug	M20 Sept	M21 Oct	M22 Noi	M23 Dec	M24 Ian
					2022													2023												
	Intellectual Outputs																													
IO1	IO 1 SEA MENTOR Training Platform	PRU	20 months				█	█	█	█	█	█	█	█	█	█	█	█	█	█	█	█	█	█	█	█	█			
IO2	IO 2 SEA MENTOR Guidance Tool	PNA	15 months												█	█	█	█	█	█	█	█	█	█	█	█	█	█	

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