

MENTOR: Economic impact of Blue Growth

Blue Careers



**Call for Proposals EASME/EMFF/2016/1.2.1.2:
"Blue Careers in Europe"
Proposal N° EASME/EMFF/2016/1.2.1.2/002**



Monica Andreou, Cyprus Chamber of Commerce & Industry

General Info



**Blue Career Centre
of Eastern Mediterranean
& Black Sea**
Mentoring for the Sea



- Duration: 24 months (1/3/2017-28/2/2019)
- Total cost: 689,762€
[EC financial contribution: 551,810€ (80%)]
- 7 partners, 4 countries participating



BLUE GROWTH IN ACTION

Blue careers, blue labs and blue technology projects funded through the European Maritime and Fisheries Fund (EMFF)

17 COUNTRIES | MORE THAN €8M | 84 PARTNERS

15 new blue growth projects will help enhance career opportunities, stimulate the creativity of young researchers and bring research results faster to the market.

Category	EU Contribution	Projects Funded	Sea Basin
Blue Careers	€3.7M	7	Atlantic, Mediterranean, Black Sea, North Sea
Blue Labs	€2.7M	5	Atlantic, Mediterranean
Blue Technology	€1.9M	3	Atlantic, North Sea

Blue Careers: Bridging the skills gap between education offer and industry needs: Master's degree, vocational training, career guidance, apprenticeship & entrepreneurship

Blue Labs: Developing innovative solutions to maritime challenges: underwater heritage conservation, oil spills, invasive seaweed & marine litter

Blue Technology: Bringing innovations to the market: corrosion protection for offshore energy installations, sustainable aquaculture & multi-use offshore platforms

@EU_MARE #BlueGrowth ec.europa.eu/easme

Maritime Affairs and Fisheries

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Partners

1. University of Cyprus (UCY) Cyprus  University of Cyprus

2. Maritime Institute of Eastern Mediterranean (Mar.In.EM) Cyprus 

3. Cyprus Chamber of Commerce and Industry (CCCI) Cyprus  CYPRUS CHAMBER OF COMMERCE AND INDUSTRY

4. National Technical University of Athens (NTUA) Greece 

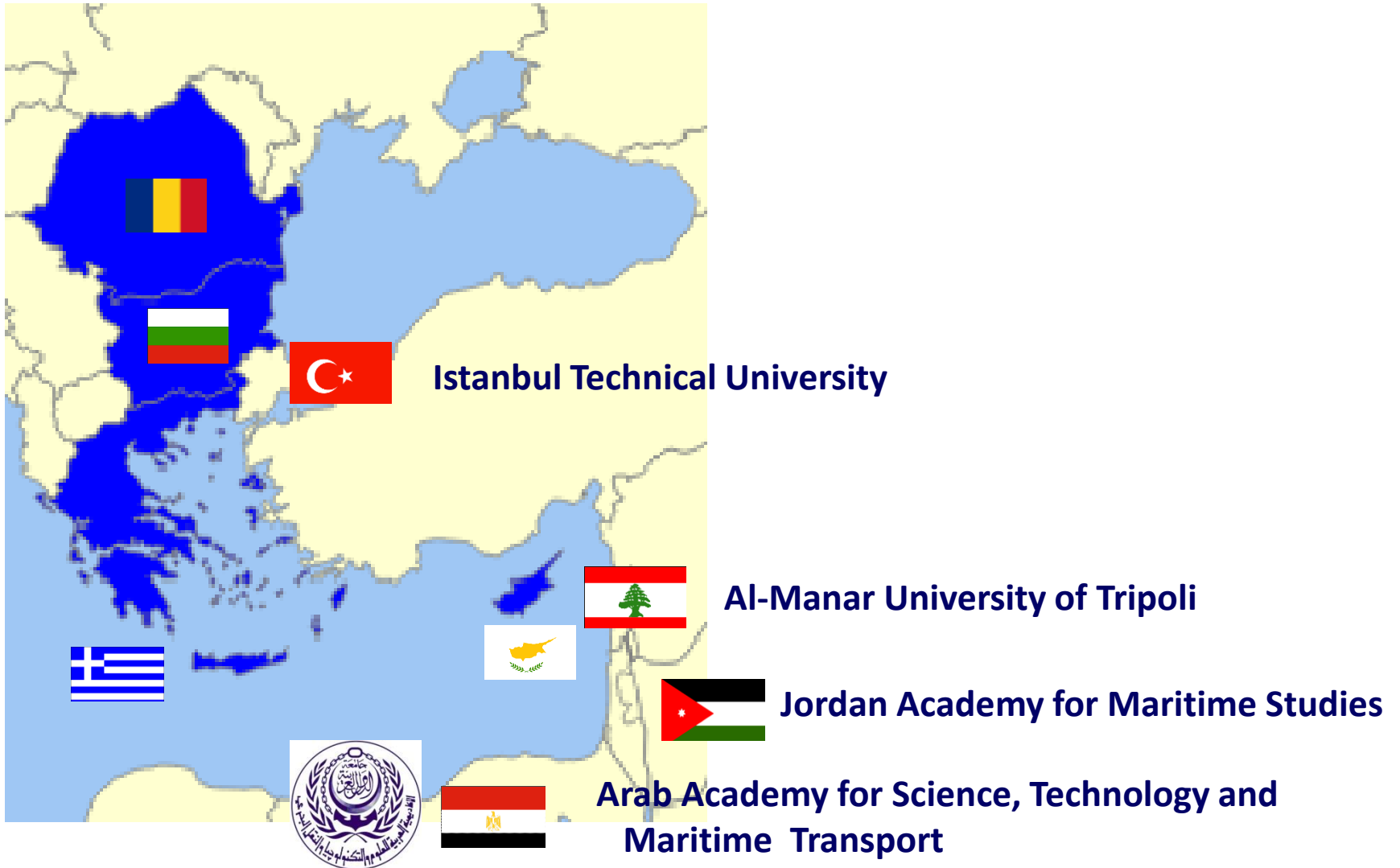
5. Agricultural University of Athens (AUA) Greece  ΓΕΩΠΟΝΙΚΟ ΠΑΝΕΠΙΣΤΗΜΙΟ ΑΘΗΝΩΝ
AGRICULTURAL UNIVERSITY OF ATHENS

6. Marine Cluster Bulgaria (MCB) Bulgaria 

7. Constanta Maritime University (CMU) Romania 



4 observers



Blue Career Center - Motivation

- **Base:** Cyprus
- **Representations:** Greece, Bulgaria, Romania
- **Observers:** Egypt, Jordan, Lebanon, Turkey



- **Aim:**
 - to provide prospects for young jobseekers in blue economy
 - to support businesses in finding the right staff with proper qualifications.

The Blue Career Centre will :

- Attract higher education graduates or persons with vocational/technical qualifications for maritime professions through targeted and innovative education and/or training initiatives (including career guidance);
- Offer mentoring and career guidance to students (age 15-18) for Key Blue sectors of the region;
- Re-train and up-skill workers employed in other sectors and/or people currently unemployed for a job in the blue economy;
- Expand the skills of people currently employed in the blue economy to progress in their careers and/or to facilitate their mobility to other maritime jobs.

Blue Career Centre
of Eastern Mediterranean
and Black Sea (MENTOR)



A project in the framework of Blue Careers
in Europe (Action 1.2.1.2)

The MENTOR project aims at attracting young people and experienced workers to key Blue Sectors in the Eastern Mediterranean Sea and the Black Sea: Maritime Transport (shipping, ports, ship-repairs and shipbuilding, Cruise and Nautical Tourism, Aquaculture and Offshore Oil and Gas. MENTOR seeks to increase employability and provide prospects for young jobseekers and to support businesses in finding the right staff with proper qualifications. Partners from Cyprus, Greece, Bulgaria and Romania with observers from neighboring non-EU countries, will join forces in order to:

- Attract higher education graduates or persons with vocational/technical qualifications to maritime professions through targeted and innovative education and/or training initiatives (including career guidance);
- Retrain and up-skill workers employed in other sectors and/or people currently unemployed for a job in the blue economy;
- Identify and expand the skills of people currently employed in the blue economy to progress in their career and/or to facilitate their mobility to other maritime jobs.

INDICATIVE BLUE-ECONOMY PROFESSIONS		
• Ship's Superintendent	• Marine scientist	• Cruise-ship housekeeper / Steward
• Ship-chief engineer/Engine officer	• Marine biologist	• Cruise-ship mechanic / Housekeeper
• Ship-staff (technical officer)	• Ichthyologist	• Yacht skipper
• Electrician	• Hydrobiologist	• Yacht mechanic
• Ship cook	• Oceanographer	• Yacht hostess
• Ship security guard	• Marine environmental expert	• Marine engineer
• Naval architect	• Fisheries and aquaculture technologist	• Offshore Oil and Gas
• Health safety security environment manager	• Underwater work technician	• Chemical engineer
• Crewing manager/Officer	• Distribution technician	• Civil engineer
• Technical manager/Officer	• Fish and Invertebrate Scientist	• Oil and gas engineer
• Technical supervisor	• Cruise-ship hotel manager	• Port engineer
• Assistant technical superintendent	• Cruise-ship chef/cook / Purser	• Mechanical engineer
• Operations manager / Assistant	• Cruise-ship steward / Stewardess	• Structural engineer
• Chartering manager / Staff	• Cruise-ship medical / Bar tender	• Geophysicist
• IT manager / Staff	• Cruise-ship shore excursion staff	• Marine engineer
• HR manager / Staff	• Cruise-ship entertainment manager	• Oil analyst
• Accounts manager / Staff	• Cruise-ship child care staff	• Cartographer
• Maritime lawyer	• Cruise-ship A/C engineer	• Geology, oil and gas technologist
• Ship broker	• Cruise-ship entertainment manager	• Geological testing technician
• Port operator	• Cruise-ship electronic engineer	• Petroleum and natural gas refining plant operators
• Crane operator	• Cruise-ship IT manager	• Driller
• Ship repair manager	• Cruise-ship carpenter	• Welder
• Ship welder / Welder	• Cruise-ship electrician	• Working inspector
• Production manager	• Cruise-ship sanitation officer	• Mechanical technician
• Marine Business Development	• Cruise-ship port manager/ Receptionist	• Electrical technician
• Production manager		• Maritime specialist

The MENTOR project is co-funded by the DMPT programme of the European Union under Grant Agreement No: EASME/DMPT/01/21/026323/1/0000

More information
<http://www.mca.org.cy/en/mentor/>



Blue Career Centre
of Eastern Mediterranean
& Black Sea

Mentoring for the Sea

Important Blue Economy Sectors

Marine and Maritime Economic Activities (MEAs) as of strategic importance in the EM & BS region:

1. Maritime Transport (i.e. shipping, ports, shipbuilding and ship-repairs)



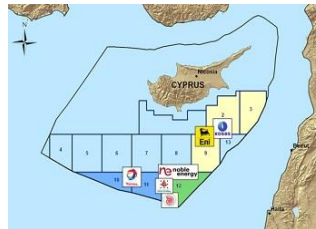
2. Cruise Tourism



3. Marine Aquaculture (mainly in the EM)



4. Offshore oil and gas



Work Packages

WP1: Project management [**OC-UCY**]



WP2: Developing re-training skills for blue professionals [**NTUA**]



WP3: Promoting mobility and cooperation in East Med and Black Sea [**AUA**]



ΓΕΩΠΟΝΙΚΟ ΠΑΝΕΠΙΣΤΗΜΙΟ ΑΘΗΝΩΝ
AGRICULTURAL UNIVERSITY OF ATHENS

WP4: Establishment of Blue Career Centre (BCC) of East Med-Black Sea [**Mar.In.E.M.**]



WP5: Dissemination activities [**MCB**]



Expected Results

1. **Establishment of the Blue Career Centre Secretariat** in Cyprus with representations in Greece, Bulgaria and Romania, which may later extend to other countries in the area. **1 Secretariat, 3 representations**
2. **Mapping of the provided maritime education and training** in the EM and BS region, including availability of infrastructure. **4 catalogues (CY, GR, BG, RO)**
3. **Development of re-training schemes for blue professionals** in the maritime sector, fisheries and offshore oil and gas. **4 re-training seminars**
4. **Mentoring and career guidance to students (age 15-18)** for the Blue sectors in schools in Cyprus, Greece, Bulgaria, and Romania. **Visits to 200 schools**
5. **Re-train blue professionals** in the maritime sector, cruise tourism, fishing tourism and ichthyotourism, and offshore oil and gas sectors. **4X40 people**
6. **Establish introductory e-learning courses** for the maritime transport sector, for offshore oil and gas sector, for marine aquaculture sector, cruise tourism and for fishing tourism and ichthyotourism. **5 introductory e-learning courses**



Expected Results (cont.)

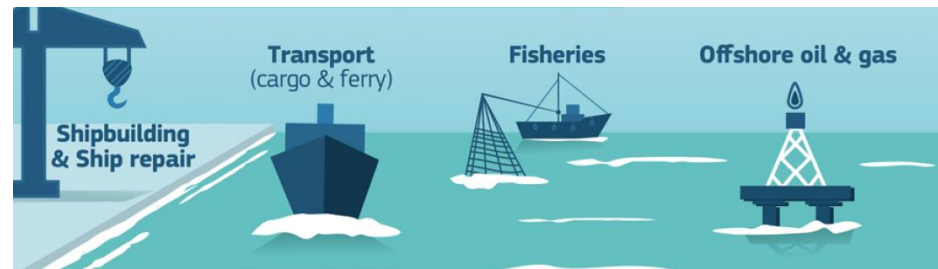
7. **Sharing and pooling of resources**, such as maritime simulators and possibly a training vessel from the EM & BS area. **Inventory of available resources**
8. **Organise Blue Career Fairs (Days)** in the Eastern Mediterranean and Black Seas. **8: 2 in each participating country (CY, GR, BU, RO)**
9. **Promote the mobility of students and staff within the region.**
30 students, 6 staff
10. **Balance the demand and supply of maritime, aquaculture, cruise tourism and offshore oil and gas professionals in the region.**
Matching database for maritime professionals
11. **Promote the harmonisation of Maritime Education and Training**
Organization of the first Regional Conference of Maritime Education & Training Providers



Blue Growth and Employment

Primary objective: is to create and sustain quality jobs

Advantage of blue growth opportunities An adequate skilled and Educated force to use and apply latest technologies, tools and equipment, filling in a number of gaps.



WP2: Survey on Mapping of the provided maritime education and training in the Eastern Mediterranean and Black Sea region aiming to bridge the gap between the competencies and the skills required for the Four (4) preselected Marine and Maritime Economic Activity (MEA) and to propose a structured methodology in order to guide professionals and students in their professional career in blue sectors.



Results of the Market Analysis Survey (1)

I. Marine Transport

○ Cyprus

- ✓ *The Second biggest blue economic sector, exhibiting a significant upward trend in employment.*
 - The period **2016-2026** : 253 persons or 4,3% per year 13% ➤ total of the **employment demand**
 - The period **2011-2016** ➤ 17 persons or 0,3% per year.
 - The period **2016-2026** is expected to emerge in Maritime Transport and Shipbuilding related professions ➤ **Employment needs will be high related professions** ➤ 52 people or 7,6% per year.
 - 1 out of 6 employed persons



Results of the Market Analysis Survey (2)

II. Maritime and Coastal Tourism

○ Cyprus

✓ *The most important sector of the blue economy and of the overall economy.*

- 55% ➤ added value of the blue economy & professions.
- 8 out of 10 employed persons ➤ in this sector.
- In 2016 24.884 employees ➤ 79,9% of the total number of employees
- In 2026 32.636 people ➤ 80,6% of the total number ↑ + 31,2%.
- Employment ↑ increase by 775 persons ➤ 2,7% per year,
- Over the period 2011-2016 +386 persons ↑ +1,6 % annually
- Over the period 2016-2026 total employment needs 1.344 people ➤ 5,1% per year.



Results of the Market Analysis Survey (3)

III. Marine Aquaculture

○ Cyprus

- ✓ In terms of employment Aquaculture is considered to be the third most important sector of the Cyprus Blue economy in the group of sectors of Fisheries, Aquaculture and Seawater Desalination.
 - **Almost 90% of the enterprises in the aquaculture sector are micro-enterprises** (≥ 10 employees) in coastal and rural areas.
 - **This sector has a significant contribution:** (i) reduction of the fishing deficit, (ii) jobs creation, particularly employment of scientific staff, (iii) development of remote areas and (iv) provision of an affordable and highly nutritional food product.
 - **Cyprus Marine Aquaculture has been exhibiting an overall increase in production at an average annual rate of 5%** ➤ the European funds support for productive investments.
 - **The lowest number of employees is observed in the Fisheries and Aquaculture related professions.**
 - In 2016 ➤ 581 persons (2,4% total number of persons employed in blue professions)
 - in 2026 ➤ 615 (1,9% of the total number of persons employed in blue professions), an increase of 5,9%.
 - **Over the period 2016-2026, the employment needs in Fisheries and Aquaculture related professions** ➤ 20 persons or 3,4% per year.



Results of the Market Analysis Survey (4)

IV. Offshore Oil and Gas

○ Cyprus

- ✓ Significant developments in energy issues rendered the offshore oil and gas sector very important
- ✓ Exploration of the reserves and the potential for extraction of natural gas from the Cypriot EEZ (Exclusive Economic Zone)
- ✓ Creates new promising prospects for Cyprus in the economic and research fields.
- ✓ The potential construction of a liquefaction terminal for natural gas extraction can turn Cyprus into an international energy center.
- ✓ Affects the employment opportunities, since top-level professions that are associated with this sector will be on the rise particularly the ones relating to the natural gas extraction



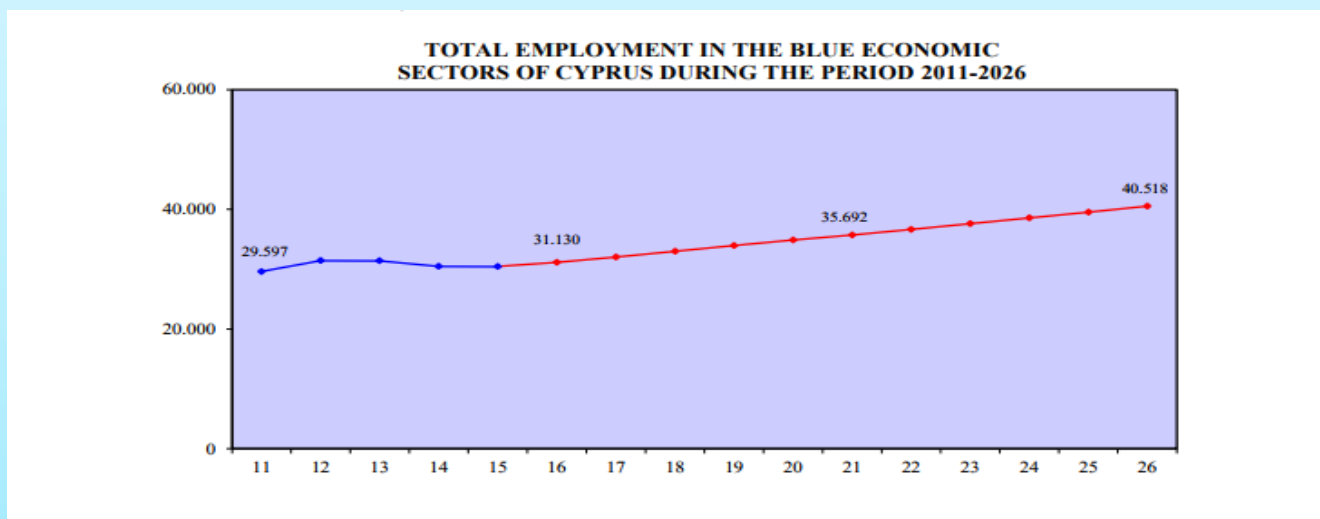
Results of the Market Analysis Survey (5)

IV. Concluding

○ Cyprus

The blue economy is important  36% of the Added Value of the Blue Economy

- ✓ Total employment in the blue economic sectors of Cyprus during the period 2016-2026 is forecasted to exhibit an upward trend.



- Total employment demand is estimated at 1.900 persons or 5,4% per year which corresponds to 14,3% of total employment demand for the Cyprus economy.



More info and Updates



Blue Career Centre
of Eastern Mediterranean
& Black Sea

Mentoring for the Sea

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**KEEP
CALM
AND
GO
BLUE**

Thank you very much for your attention!

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