

#EMD2024

EMD

EUROPEAN MARITIME DAY

Svendborg
30-31 May 2024



Svendborg
Kommune





Pitch Session 7

Advancing Blue careers for a sustainable blue economy: Innovative Approaches

Agenda



- Short introduction on the Blue Careers context and the EU support. BEILE Julia, CINEA
- Let's get to know each other better!
- Blue Jobs through Blue Careers (BOUTCAR project). BELLAVISTA Massimo
- Next BlueGeneration project. TEEGE Silja & STAMATOPOULOU Eirini.
- The BlueAquaEdu project. TRIANTAPHYLLIDIS George.
- The Turning Blue project. ALVES Rita (TRIANANTAPHYLLIDIS George)
- Interactive discussion





Blue Skills

WHAT IS THE EU DOING?

Calls:

- Blue careers (**EMFAF**)
- Mission Ocean (HE)

Trans-sectorial skills initiatives:

- **European Year of Skills**
- **Pact for Skills** (large-scale partnerships in shipbuilding & offshore renewable energy)

EU4Ocean coalition for **ocean literacy**



**2023
European Year
of Skills**

81.4% of blue economy jobs require skills in **sustainability**

Need for better:

- Digital skills
- Vocational education
- Reskilling schemes

2016-2023

No. OF
CALLS **4**

No. OF
PROJECTS **26**

BUDGET **18.4M**

The goal was to strengthen the link between industry and education to close the skills gap, and retrain and reskill the blue economy workforce.

A successful project is also our success!



Pitch-7 Etiquette

- Interaction is the key to successful pitch sessions
- Ensure you have reliable internet connection
- Open menti.com in your browser
- Use the code 4591665






Introduce yourself


Join at menti.com | use code 4591665

Which sector are you representing ?



[Fisheries](#) [Maritime Transport](#) [Shipbuilding](#) [Nautical Tourism](#) [Biotechnology](#) [Ocean Literacy](#) [Ocean Energy](#)

Account

 Irene Stamatopoulou
eirini_stamatopoulou@hotmail.com

Log out

Account

Content

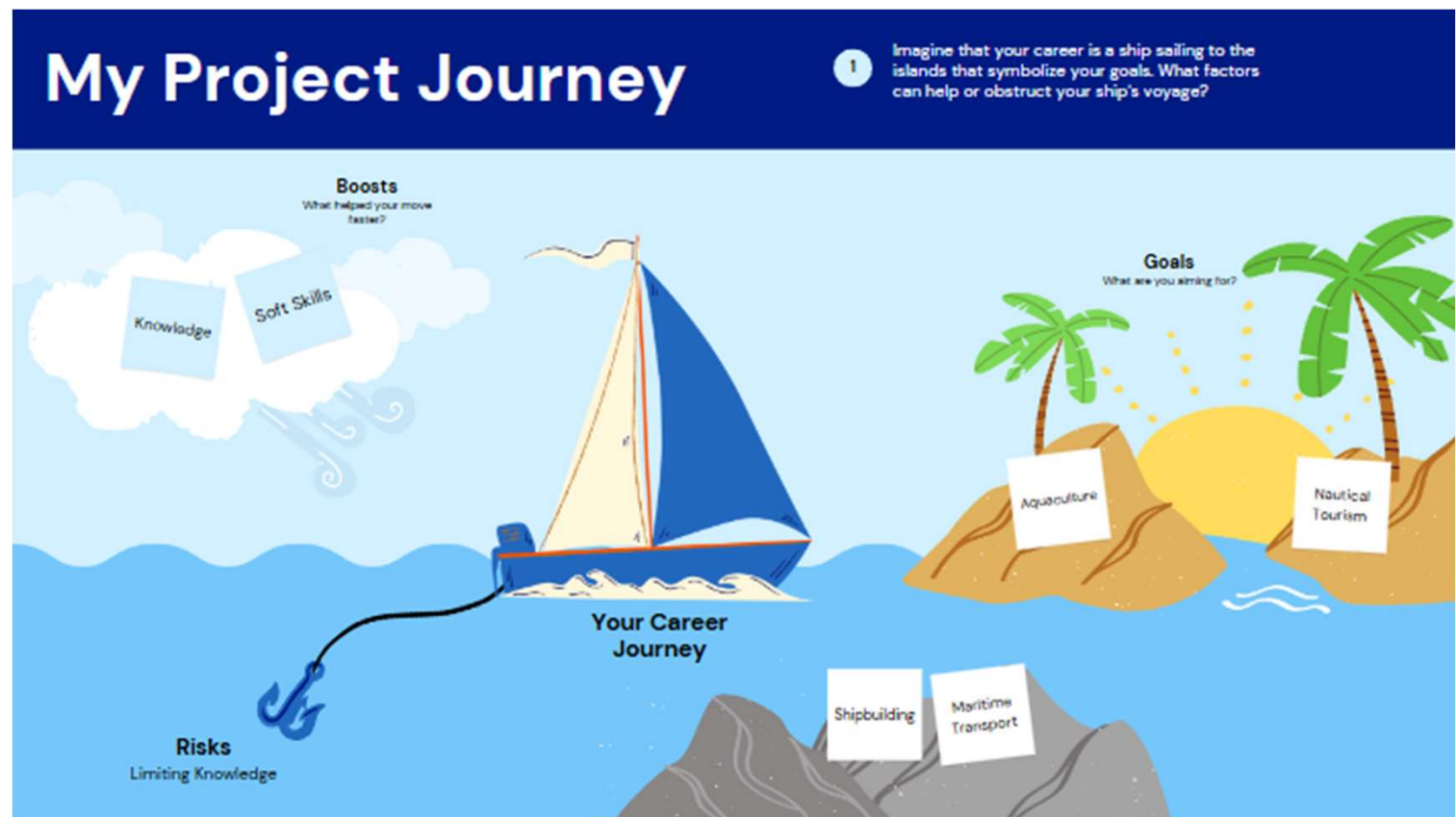
Design

Settings

Help & Feedback



Could you please share how you embarked on your blue-career journey?





Pitch Session 7

Advancing Blue careers for a sustainable blue economy: Innovative Approaches

Blue Jobs through Blue Careers

An opportunity to support the
transition in fishery and
aquaculture sectors

MASSIMO BELLAVISTA

Head of Fishing and Aquaculture Legacoop Emilia-Romagna
- Legacoop Agroalimentare Nord Italia

The future of the ocean is the future of education



Pitch Session 7

Advancing Blue careers for a sustainable blue economy: Innovative Approaches

Blue Jobs through Blue Careers

An opportunity to support the transition in fishery and aquaculture sectors

MASSIMO BELLAVISTA

Head of Fishing and Aquaculture Legacoop Emilia-Romagna
- Legacoop Agroalimentare Nord Italia



The future of the ocean is the future of education



BOUTCAR

The project in a nutshell



OBJECTIVE

Provide training and professional profile responses to the challenges facing the Mediterranean and Atlantic basin, for a sustainable blue economy.

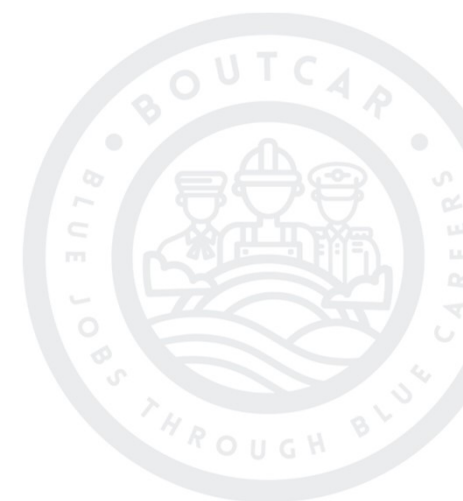
GAPs IDENTIFIED



- Skills mismatch (educational/training offer vs. labour market) and lack of communication / cooperation.
- Lack of attractiveness and awareness of career opportunities in the blue economy.
- Lack of ocean culture (Ocean Literacy).

INSPIRING DATA

- MRE = -10% annual greenhouse gas emissions
- Aquaculture +52% of all fish and shellfish for human food by 2025
- Marine litter = 0.57 million tons of plastic dumped into Mediterranean





BOUTCAR

Main outcomes expected



Establish **ROADMAPS FOR DEVELOPING SPECIFIC CURRICULA AND CORE COMPETENCES.**

Laying the foundations for universities and training centers to incorporate new blue careers into their offer, adapted to industries related to the blue economy.



Establish a **DIALOGUE TO IDENTIFY TRAINING NEEDS** not only with business owners but also with their customers.



Develop a **TRAINING PATHWAY FOR YOUNG PEOPLE AND ADULTS** who want **TO ENGAGE IN THE BLUE ECONOMY** by providing them with the content, skills and competences necessary for attractive and sustainable jobs.



BOUTCAR

Main impacts to be generated



Contribute to the **RETRAINING AND UPSKILLING OF ACTIVE WORKERS** and especially older ones through cooperation between education and industry to help the active workforce acquire the necessary environmental and sustainability skills and become familiar with modern standards, principles & practices.



Developing **TRANSVERSAL AND INTER/MULTIDISCIPLINARY SKILLS AND COMPETENCES** to further boost the digitalisation and greening of jobs, also by promoting the use of competence frameworks, such as GreenComp and DigComp.



GENERATE IMPACTS ALSO ON LOCAL POLICIES, transposing what has been learned through the project from an EU level to a local and national level, in order to capitalise and intervene through a constructive dialogue on what are the future agendas linked to fisheries and aquaculture policies in education and training and for the development of the sector.



Consolidating a network that has the ambition of drawing a new line in terms of dialogue between the business world and the world of education and training, thus enabling a **GREATER CAPACITY OF THE EDUCATION SYSTEM TO RESPOND TO THE DEMANDS OF THE PROFESSIONAL WORLD** and for both to be able to anticipate the changes that are taking place in the Blue economy.



BOUTCAR

Consortium composition





BOUTCAR

A territorial perspective on energy transition

One of the main motivation that guided the Italian partners in participating in the Blue Careers call is linked to the need of intercepting the changes that are taking place in the field of **RENEWABLE ENERGY** and which **IMPACT THE MARITIME SECTOR**.

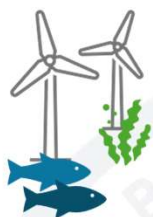
We are talking about the new **offshore wind farms** that will be built off the coast of the Adriatic Sea.

For these new infrastructures, fundamental for reducing CO₂ emissions, not to be perceived as something to be opposed by fishing and aquaculture operators, it is essential to **WORK IN SYNERGY** with the companies that are developing these marine renewable energy projects and with them **BUILD TRAINING OPPORTUNITIES THAT BECOME NEW ECONOMIC OPPORTUNITIES** for those who work at sea.

Currently, a collaboration protocol is being developed which will allow on the one hand to **GENERATE SPACE FOR FISHING AND AQUACULTURE ACTIVITIES** within the facilities, with operators who will only be allowed access to the areas if duly trained, but at the same time they are designing **NEW STRATEGIES FOR THE RENEWAL OF THE SMALL-SCALE FISHING FLEET**.

Please join us in ECOMONDO, 5th - 8th November 2024, Rimini Expo Centre, Italy

<https://en.ecomondo.com/2024-edition/exhibition-project/sectors>



EMD
EUROPEAN MARITIME DAY



Svendborg
30-31 May 2024

NEXT BlueGeneration



Co-funded by
the European Union



SEATEACH

ACTeon
environment
action technology

militos

EBI
European
Building Industry

SUBMARINER NETWORK


University of Rijeka
FACULTY OF MARITIME STUDIES


CYPRUS
MARINE &
MARITIME
INSTITUTE



LudusXR 

emsea
MEDITERRANEAN

Co-funded by the European Union. Views and opinions expressed are however those of the author(s) only and do not necessarily reflect those of the European Union or CINEA. Neither the European Union nor the granting authority can be held responsible for them.



Objectives

The overall aims of the Next BlueGeneration project are to

- **raise awareness in young people of Blue Career opportunities**
- **develop tools that provide teachers with the means to inform their students**
- **have a long-term sustainable impact that provides the Blue Economy with the much-needed workforce and helps to lower youth unemployment.**





The Target Groups

Teachers &
trainers



Students /
young
people

Focusing on

- Secondary Schools
- VET
- Higher Education



Project Results



Self-Assessment Game



Blue Careers Pathway Tool

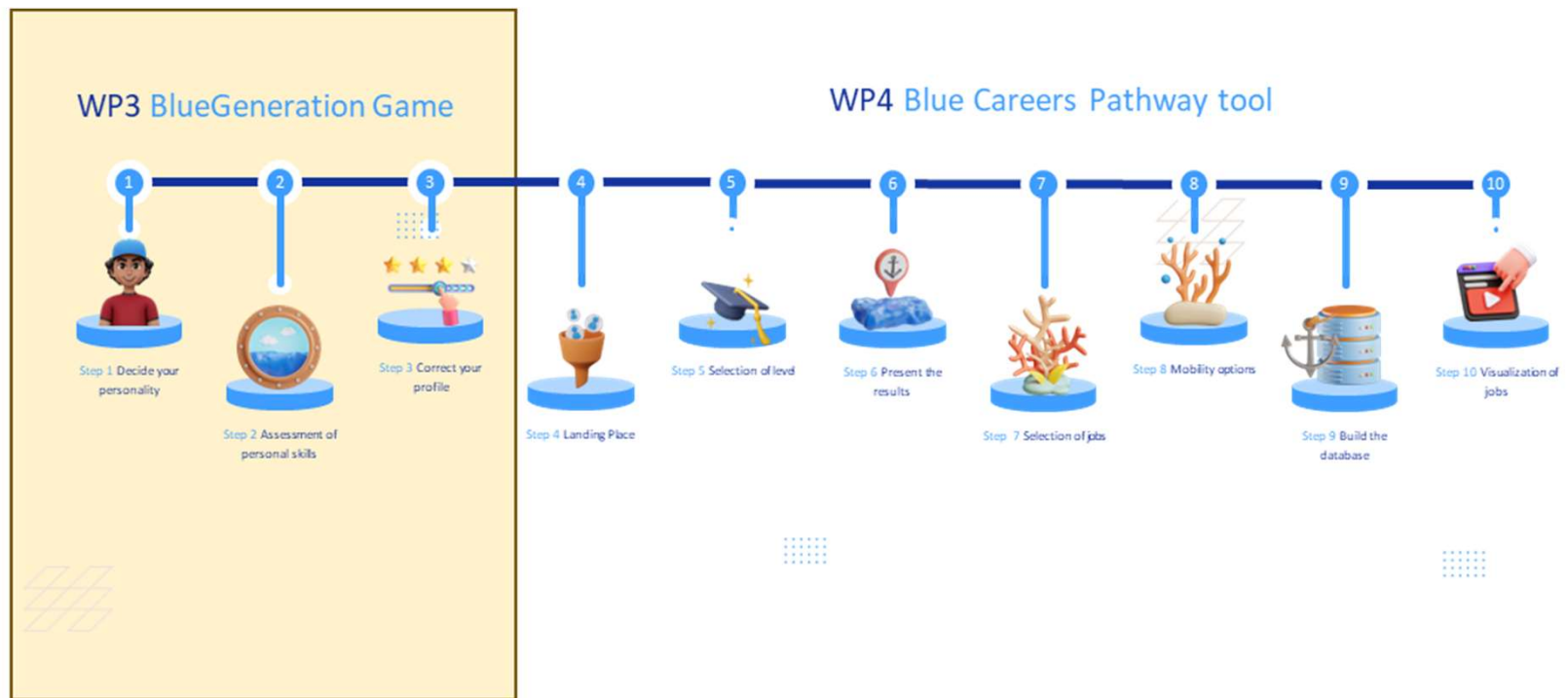


MOOC for teachers & trainers





App Flow Scheme





Impact of Next Bluegeneration



Short Term

Providing teachers with information and tools and informing youth about blue career opportunities



Medium Term

Improve the age balance of the blue economy workforce and lower youth unemployment.



Long Term

Transfer tools to all regions of the EU, and add other sectors such as fisheries, ocean energy

EMD
EUROPEAN MARITIME DAY



Svendborg
30-31 May 2024

NEXT
BlueGenerati**n**

→ www.nextblugeneration.eu



SEA TEACH

ACTeon
environment
education & consultancy

militos

EBI
European
Building Industry

SUBMARINER NETWORK


University of Biala
FACULTY OF MARITIME STUDIES

**CYPRUS
MARINE &
MARITIME
INSTITUTE**



LudusXR 

emsea
EUROPEAN MARITIME
SECTOR ASSOCIATION

Silja Teege

Sea Teach

email@sea-teach.com

+34 626 275 264

thank you

 **NEXT**
BlueGeneration

Call: EMFAF-2023-BlueCareers, Project no: 101124924



Co-funded by
the European Union



Which skills do you see as most important for Blue Careers?

The screenshot shows a Mentimeter poll interface. At the top, it says 'Join at mentimeter.com | use code 4591665'. The poll title is 'Critical Blue Skills'. A QR code is on the left. The poll results are displayed as a word cloud with the following words: 'bold', 'leader', 'creative', 'fast', 'focus', 'transpiration', and 'inspiration'. The 'creative' word is the largest and most prominent. On the right side, there is an 'Account' panel for Irene Stamatopoulou (eirin_i_stamatopoulou@hotmail.com) with options for Account, Content, Design, Settings, and Help & Feedback. A 'Log out' button is at the bottom of the account panel.




How would you describe the professionals' profile of the future in the Blue Economy?

Join at menti.com | use code 4591665

Mentimeter

Future professionals profile



leader
bold
creative
focus
fast
transpiration
inspiration

Account

Irene Stamatopoulou
eirini_stamatopoulou@hotmail.com

Log out

Account
Content
Design
Settings
Help & Feedback




How would you describe the professionals' profile of the future in the Blue Economy?

Join at menti.com | use code 4591665

Mentimeter

Raning skills for Maritime Transport

- 1st | Teamwork
- 2nd | Multitasking
Willingness to learn
- 3rd | Time management
- Item 5
- Communication
- Flexibility





Pitch Session 7

Advancing Blue careers for a sustainable blue economy: Innovative Approaches

Blue Career Centre for Aquaculture Education supported by a gamification approach and distance learning platform

George Triantaphyllidis PhD
Research Fellow, Hydrobiologist, Ichthyologist
Agricultural University of Athens



ΓΕΩΠΟΝΙΚΟ ΠΑΝΕΠΙΣΤΗΜΙΟ ΑΘΗΝΩΝ
AGRICULTURAL UNIVERSITY OF ATHENS

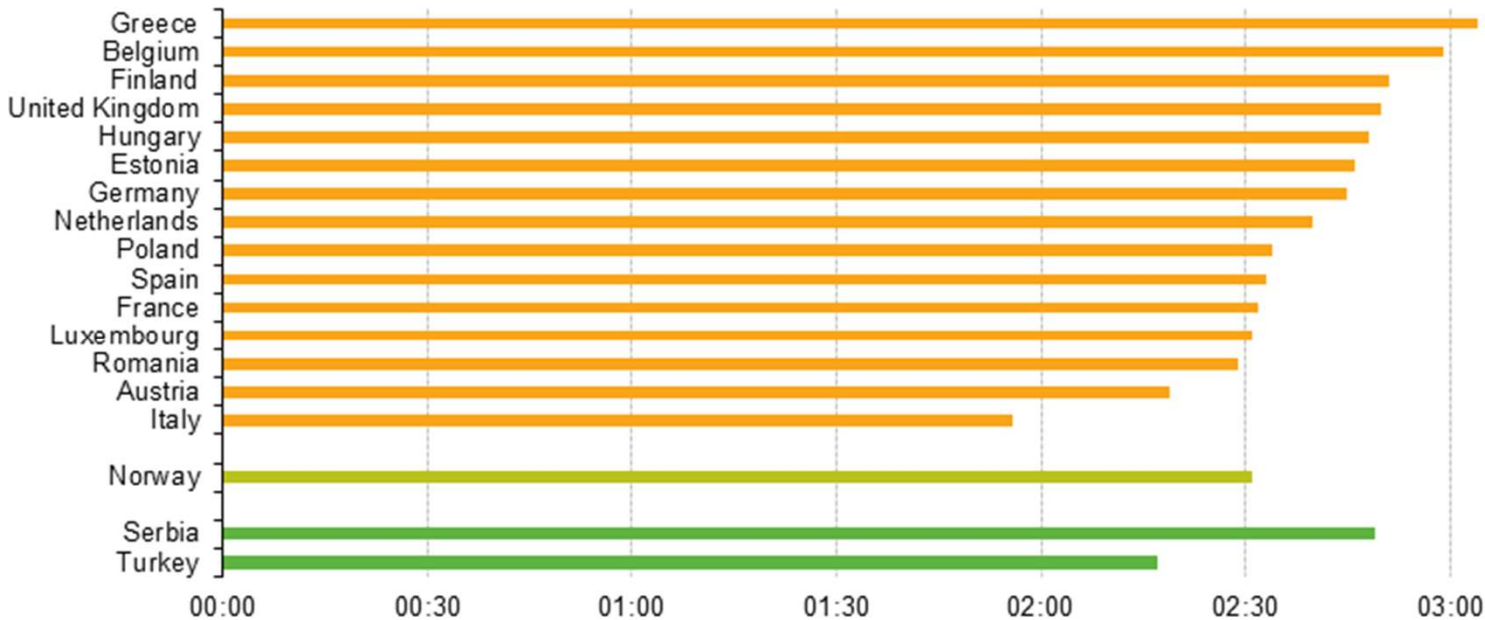


The BlueAquaEdu project is co funded by the European Union under agreement ID 101124699.



Are Europeans glued to their screens?

Time spent watching TV or other media, playing computer games and similar screen activities outside work (hh:mm)

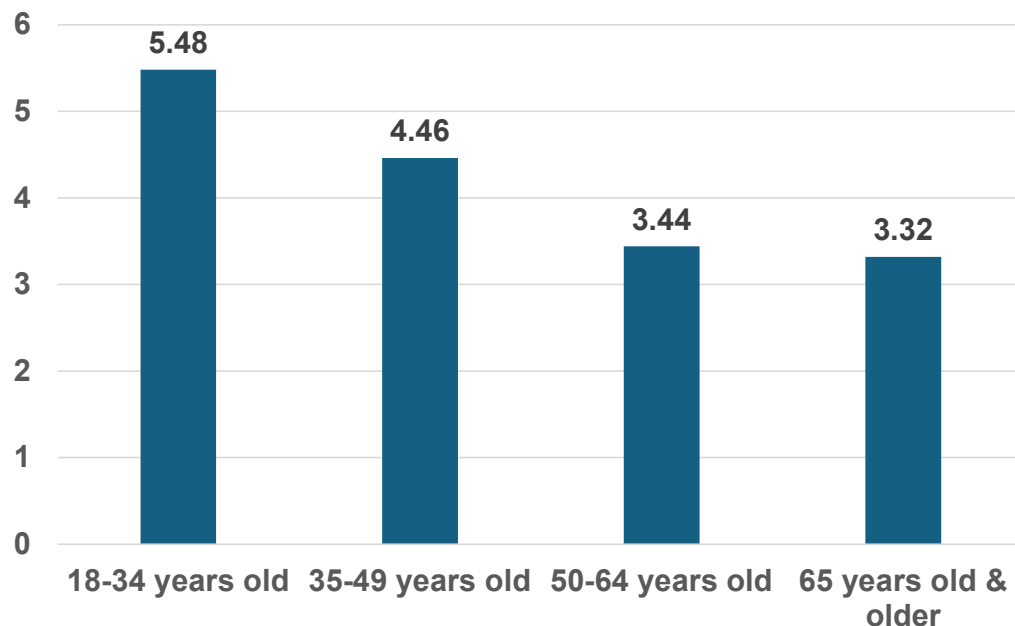


Europeans spend between two and three hours in front of a screen per day outside of work





Distribution of the average daily screen time of French people on digital devices* in 2019, by age (*in hours*)



Source: <https://www.statista.com/>

Teenagers spend 7 hours and 22 minutes per day in front of screens. That equates to 43% of a teen's waking hours. By comparison, that's 24 minutes more than the global average of 6 hours 58 minutes.

Source: <https://whatsthebigdata.com/screen-time-for-teens>





Development of the BlueAquaEdu Serious Game



Clark Abt is credited for coining the term "**serious games**" in the 1970s, defined as games that have an "**explicit and carefully thought-out educational purpose and are not intended to be played primarily for amusement**". Abt also recognized that this "**does not mean that serious games are not, or should not be, entertaining**".





Development of the BlueAquaEdu Serious Game



- Educate the target audience on how fish farms function,
- Include risks involved in such facilities
- Lead young people to reduce the environmental footprint on the planet.
- Enhance and promote the digital learning experience of the students
- Include special online learning content, to make it fun and engaging
- Encourage learners to explore and learn as they try to achieve a goal.







The objectives of BlueAquaEdu



Develop a Gamification Application for cages and recirculating aquaculture system technologies and 5 fish species.



Develop 5 common training programs for aquaculture (cage farming, hatcheries, RAS), the post-harvesting value chain and valorisation of processing by-products.



Attract skilled mentors with practical experience in selected sectors.





The key figures of the BlueAquaEdu project



5

Common training/mentoring theme

will be developed for aquaculture (cage farming, hatcheries, RAS) as well as 1 for the post-harvesting value chain and 1 for the valorisation of the processing by-products (5 in total)



160

Attendees

30 in Greece, 30 in France, 20 in Portugal and 80 from other EU, EU Outermost regions and non EU Countries from the Mediterranean Sea



1

BlueAquaEdu e-platform created



500

Students/individual beneficiaries

to be reached with the tools developed during the project.



30

Months of project duration



8

Partners



997€

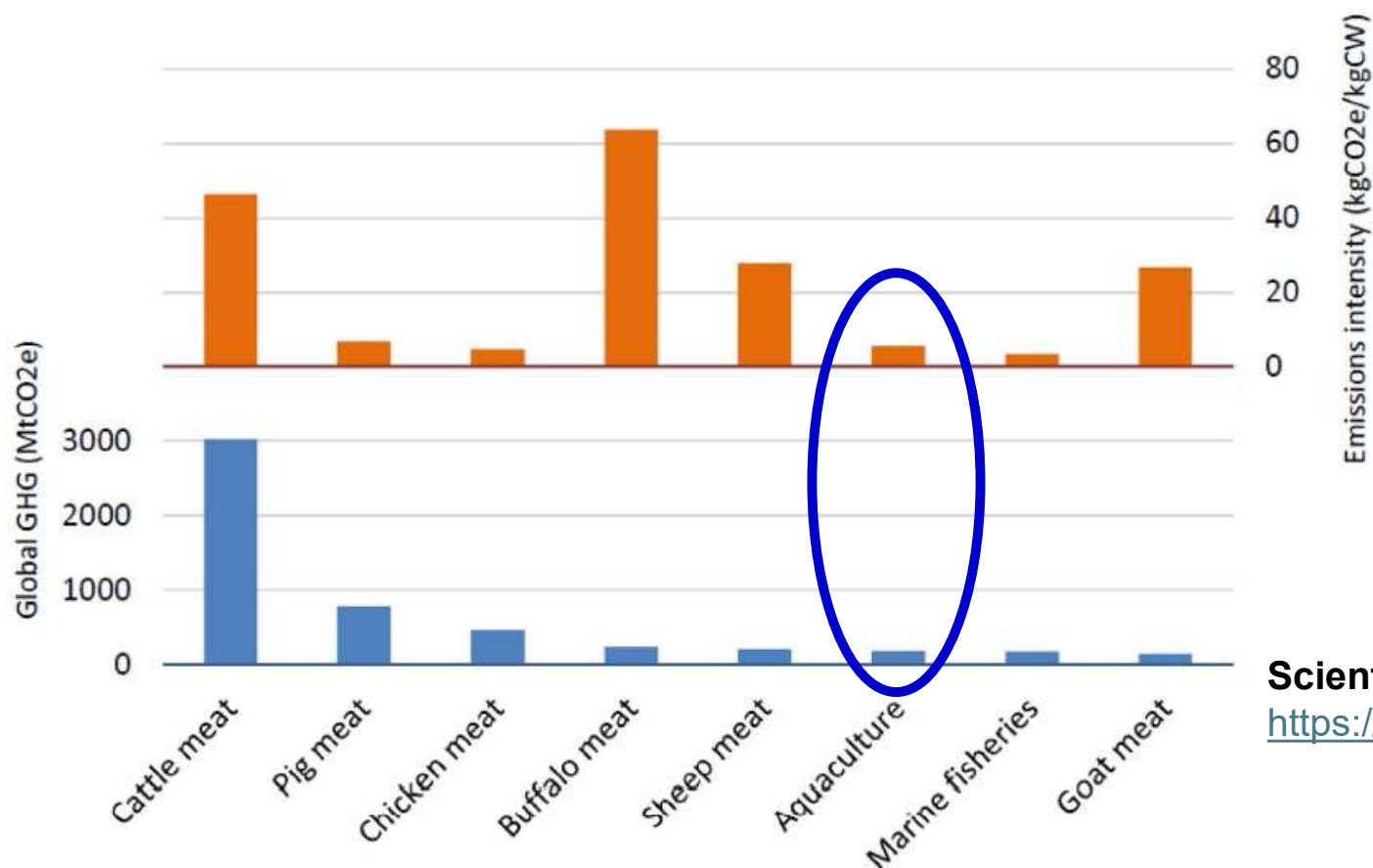
Thousand European Commission funding



The BlueAquaEdu project is co funded by the European Union under agreement ID 101124699.



Global emissions from animal production

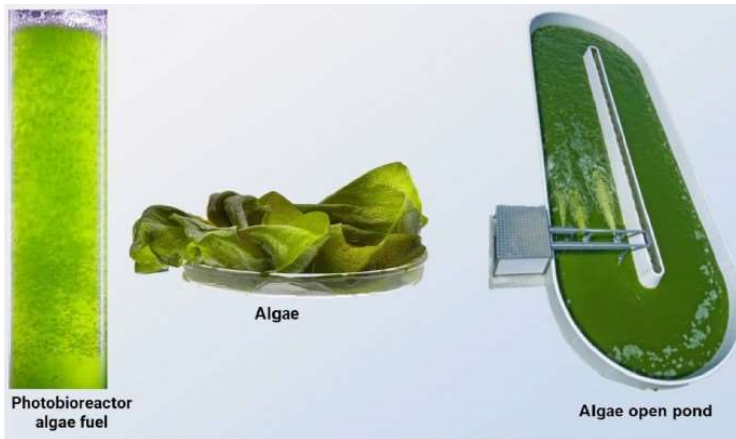


Total global emissions and emissions intensity of aquaculture (2010), terrestrial meat (2010) and marine fisheries (2011).

Scientific Reports | (2020) 10:11679 |
<https://doi.org/10.1038/s41598-020-68231-8>



Reducing emissions from aquaculture production



Black Soldier Fly



Housefly



Grasshopper



Desert locust



The beetle



Mealworms



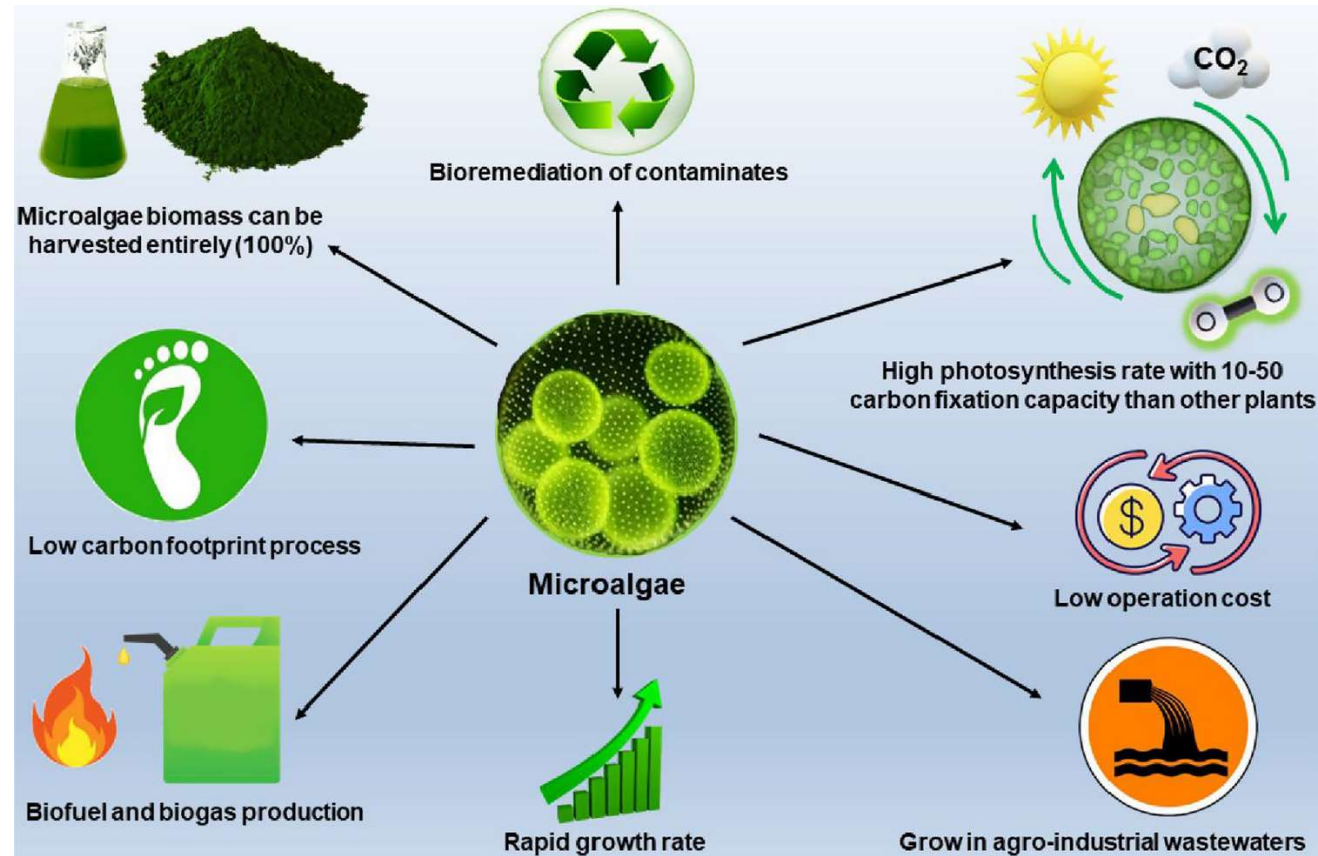
Silkworms



Earthworms



Crickets



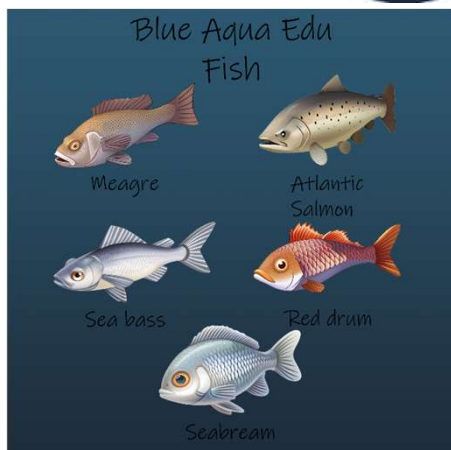
The BlueAquaEdu project is co funded by the European Union under agreement ID 101124699.



Blue Career Centre for Aquaculture Education supported by a gamification approach and distance learning platform



<https://blueaquaedu.eu/>



Thank you very much!

George TRIANTAPHYLLIDIS
Agricultural University of Athens
gvtrianta@aua.gr



The BlueAquaEdu project is co funded by the European Union under agreement ID 101124699.



**turning
blue**

101124686 — Turning Blue —
EMFAF-2023-BlueCareers

Integrating Justice Involved Youth Through the Blue Economy



Co-funded by
the European Union

101124686





The Turning Blue **awareness training** aims to provide **tailor-made and innovative materials** on **sustainable blue economy** to inspire and engage young people aged between 16 and 30 who are serving time in prison. The goal is to encourage them to pursue a sustainable 'blue career' in one of the Blue Economy sectors.

The Turning Blue Intervention Model aims to **create new tools and resources** to improve **cooperation** between prison services, education and the blue economy industry, while also improving the **employability** of young people leaving prison and allowing the **transferability, sustainability** of the Turning Blue project.



Engage with Turning Blue

Get Involved: Join us in shaping the future for young justice-involved individuals by actively participating in the Turning Blue project.

Collaborate: We welcome partnerships and collaboration to amplify the impact of our efforts. Connect with us to explore potential synergies.

Spread the Word: Help us raise awareness about the Turning Blue project. Share our mission with your network and contribute to building a supportive community.

Contribute Expertise: If you have insights or expertise in areas relevant to our project, we invite you to share your knowledge. Your input can make a significant difference.

EMD
EUROPEAN MARITIME DAY



Svendborg
30-31 May 2024

**turning
blue**



Co-funded by
the European Union



Rua do Paraíso, Loja 2 | 2610-136
Alfragide - Lisboa, Portugal



Segunda a Sexta - 9h às 18h



www.turning-blue.org
www.aproximar.pt



contacto@aproximar.pt
Project coordinator: **rita.alves@aproximar.pt**



+351 211 336 681
+351 913 264 298



/aproximar



Survey of soft skills in Blue Economy



Coastal Tourism



Aquaculture



Marine Biotechnology



Survey of soft skills in Blue Economy



Maritime Transport



Shipping & Shipbuilding



Marine Conservation /
Ocean Literacy



Pitch Session 7

Advancing Blue careers for a sustainable blue economy: Innovative Approaches



Thank you very much !

