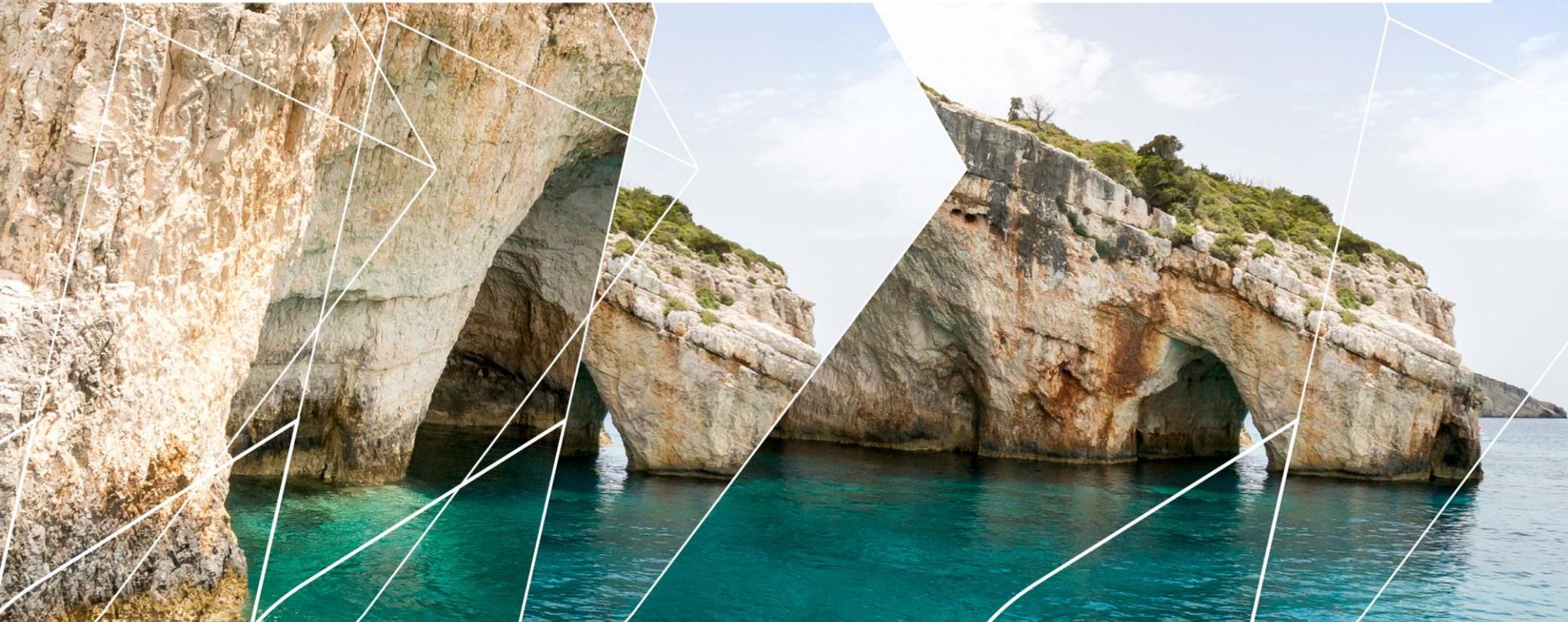




EU Strategy
for the Adriatic
and Ionian Region
EUSAIR

Blue jobs through blue careers - EMFAF

07 July 2023/ Rimini





Blue jobs through blue careers - OBJECTIVE

A sustainable blue economy is essential to achieve the objectives of the European Green Deal, boost the ecological transition and ensure a sustainable and inclusive recovery.

This transition to a sustainable blue economy requires investment in innovative ideas and technologies, but at the same time investments in up-skilling and re-skilling of all operators in the sector.

The BOUTCAR project aims to provide training and professional profile responses to the challenges facing the Mediterranean and Atlantic basin, for a sustainable blue economy





Blue jobs through blue careers - SOLUTIONS

GAPS

- Skills mismatch between the educational/training offer and the needs of the labour market, especially in terms of technological advances and innovation.
- Lack of communication and cooperation between education / training and industry.
- Lack of attractiveness and awareness of career opportunities in the blue economy.
- Lack of ocean culture (Ocean Literacy).

BOUTCAR SOLUTIONS

- Develop a **training pathway for young people and adults who want to engage in blue economy** by providing them with contents, skills and competences necessary to get attractive and sustainable jobs and so support EU Green Deal initiatives.
- Develop **opportunities for fishermen** through professional qualification and skills development to operate **in the different contexts of offshore wind areas**.
- Create strong **collaborative networks at EU level** between professional organisations and educational institutions to offer attractive and sustainable jobs.
- Raising awareness and **attractiveness of "blue careers"** among students and young professionals, to attract and retain new talents and counteract the depletion of human capital due to ageing workforce



Blue jobs through blue careers - PARTNERSHIP

3 Training centers:

- DEMETRA FORMAZIONE S.R.L. - project coordinator Italy
- E-SCHOOL EDUCATIONAL GROUP - partner Greece
- CDE FORMACION FOLGADO - partner Spain

2 universities:

- UNIVERSITY OF BOLOGNA - partner Italy
- UNIVERSITY OF PATRAS - partner Greece

1 research center:

- M.A.R.E.: Mare Soc. Coop. a r.l. - partner Italy

3 professional associations/ cooperatives:

- ARVI Cooperativa de Armadores de Pesca Vigo - partner Spain
- LEGACOO AGROALIMENTARE ASSOCIATION - partner Italy
- EUROPÊCHE - partner Belgium

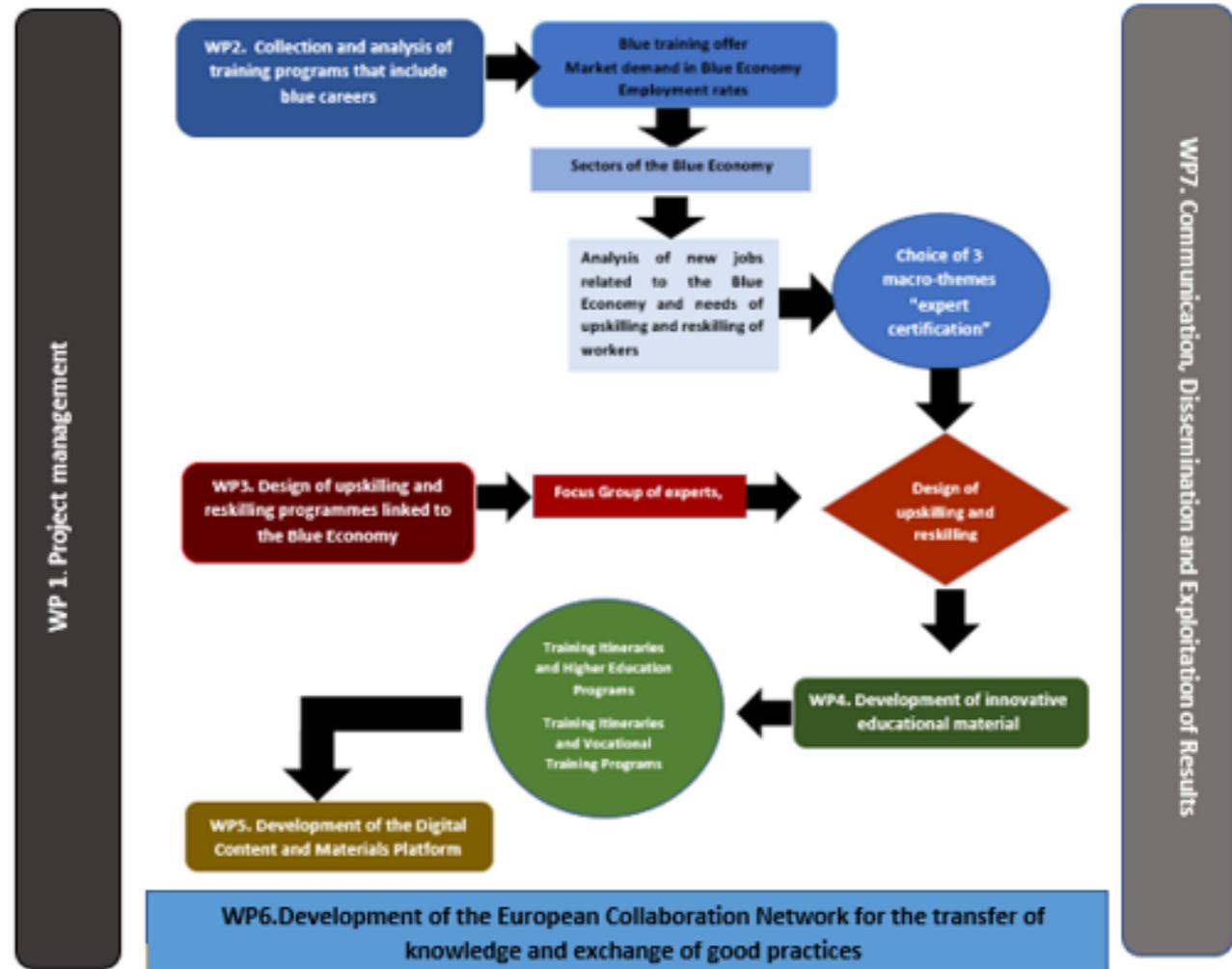
2 enterprises:

- SGS - partner Spain
- SQLearn - partner Greece





Blue jobs through blue careers - PROJECT STRUCTURE





Blue jobs through blue careers - PROJECT STRUCTURE

WP2 - Analysis of European training programmes including blue careers

According to **Need (1)**: Skills mismatch between the educational/training offer and the needs of the labour market, this WP has the following objectives

- Identify the training needs of the fishing and aquaculture sectors to develop new blue careers to meet these needs, as well as that of trainers
- Identify and define new jobs in the fields of these blue economy sectors.
- Include environmental aspects in the training related to fisheries and aquaculture to increase environmental management competences in these blue sectors, together with the wider the economic and social perspective
- Evaluate the presence/absence of training courses related to fishing and aquaculture sector in the universities and high schools and identify any gaps concerning the theme of the blue economy and the new blue jobs related to the maritime sector.

This will **identify training gaps in the fisheries and aquaculture sectors**, and this project will be an opportunity for both sectors to **present their real needs**, and also to **identify needs related to management and sustainability** that are not being addressed today.



Blue jobs through blue careers - PROJECT STRUCTURE

WP3 - Design of up-skilling and re-skilling programmes linked to the selected blue careers in fisheries and aquaculture

According to the identified Need (3) Lack of attractiveness and awareness of career opportunities in the blue economy. This WP aims to:

- Design the itineraries of the expert courses also proving the necessary practical and organizational details
- Define the competences of blue trainers and knowledge needs of trainees to be considered in the courses
- Prepare guidelines to optimize the preparation and implementation of the expert courses

The aim is to **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 competencies needed to secure attractive and sustainable jobs, while raising awareness and **attractiveness of "blue careers"** among students and young professionals, in an attempt to attract and retain new talent and counteract the depletion of human capital due to the ageing workforce.



Blue jobs through blue careers - PROJECT STRUCTURE

WP4 - Development of innovative educational material

- The development of the contents will involve, through the Focus Group, industry representatives who will participate in the content of the proposed actions in order to adapt the training to the real demands of the market,
- In addition to stand-alone educational programmes and training or education modules, apprenticeship programmes, on-the-job training, mentoring, short-term internships or company-run job shadowing and mobility programmes will be proposed.

This final material can be divided in 2, according to its purpose:

- 1) the material that we are going to present to the students, and on the other hand
- 2) the material that we are going to use during the explanations, material for training of trainers



Blue jobs through blue careers - PROJECT STRUCTURE

WP5 - Development of the Digital Content and Materials Platform

- Initially, the contextual and technical specifications for the e-learning platform to be developed will be drafted and agreed by all partners. SQLearn, capitalising its extensive experience and expertise in developing e-learning platforms for educational needs, will draft the specifications.
- The results of the previous WPs, focus groups outcomes and research will also be taken into consideration, with regards to the way that information will be presented to the users
- The e-learning platform will host the 3 different thematic areas. It will be an online platform, which will offer the training materials freely and openly for the end users.
- The quality of these open educational resources will be assured based on OER common recommendations, as well as the EU Open Education 2030 vision on lifelong learning



Blue jobs through blue careers - PROJECT STRUCTURE

WP6 - Development of the BOUTCAR European Collaborative Network

According to Need (2) Lack of communication and cooperation between education/training and industry.

- Create partnerships with organisations from other countries (academia and industry) to achieve innovative results or exchange best practices in Blue Career Training. To promote the internationalisation of European Blue Careers and to be a reference in this field worldwide.
- To give visibility and dissemination to the European higher and middle European educational centres that have developed programmes and projects that have had a positive result in the development of blue economy education in their centres.
- To provide teachers with the necessary skills to develop in a globally interconnected society, generating international collaboration networks and actions for the exchange of knowledge, practices and methodology that promote the internationalisation of schools, bilingual practice, exchanges and educational activity in general through participation in European projects such as BOUTCAR.

The aim is to create strong collaborative networks at European level between professional organisations and educational institutions in order to offer attractive and sustainable jobs and **anticipate the changes that are taking place in the field of the Blue Economy.**



Blue jobs through blue careers - EXPECTED IMPACTS

Training side:	Expected effect
<p>Innovative training courses that respond to the real needs of the fisheries and aquaculture sector, including knowledge and application of new technologies and, knowledge of advances in the management and production of these sectors and knowledge of Environmental Management and its sustainability.</p>	<ul style="list-style-type: none"> • Adaptation of training to market demands. • Professionalization of the fisheries and aquaculture sector and enhancement • Contribute to the retraining and upskilling of active workers and especially older workers • Improve the skills of apprentices
<p>Prepare apprentices for new market trends, as training in environmental management and sustainability will expand their career opportunities, including in other sectors.</p>	<ul style="list-style-type: none"> • Increasing the skills of professionals and the competitiveness of the aquaculture and fisheries sector
<p>Strengthen strategic and structured cooperation between academic institutions (higher education and professional training) from different European countries, and these in turn with industry in the region, through the development of various types of cooperation models, and the use of different Collaboration Agreements</p>	<ul style="list-style-type: none"> • It is expected to foster much deeper and interdisciplinary cooperation between VET and higher education institutions and also between the institutions and innovation ecosystems surrounding them, and to strengthen the links between education, research and innovation.
<p>The use of standardised training, advanced content and the use of digital tools would contribute to maintaining European leadership in the aquaculture sector.</p>	<ul style="list-style-type: none"> • Improving the competitiveness of the aquaculture sector at European level



Blue jobs through blue careers - EXPECTED IMPACTS

Companies' side:	Expected effect
Direct involvement of companies in the knowledge that students must receive and in the working methods they must apply.	<ul style="list-style-type: none"> • Rising employment rates
Creation and consolidation of companies in the blue sector	<ul style="list-style-type: none"> • Increase the potential of the sector at international level, increase the competitiveness of European blue companies, improve their strategic position in terms of the overall volume of aquaculture and fisheries production
Partnerships between European aquaculture and fisheries enterprises and training centres will contribute to the development of regional ecosystems that directly add value to the economy by integrating on-the-job learning.	<ul style="list-style-type: none"> • Development of sustainable aquaculture and fisheries that contributes to the efficient use of natural resources, food security and economic development, with a limited and manageable impact on the environment.
Integrate into training some of the main tools used in Industry 4.0 strategies, such as digitalization.	<ul style="list-style-type: none"> • Improve the experience of students and professionals in the sector in different scenarios of the labor market, improving the employability of the sector.



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Thank you for your attention!