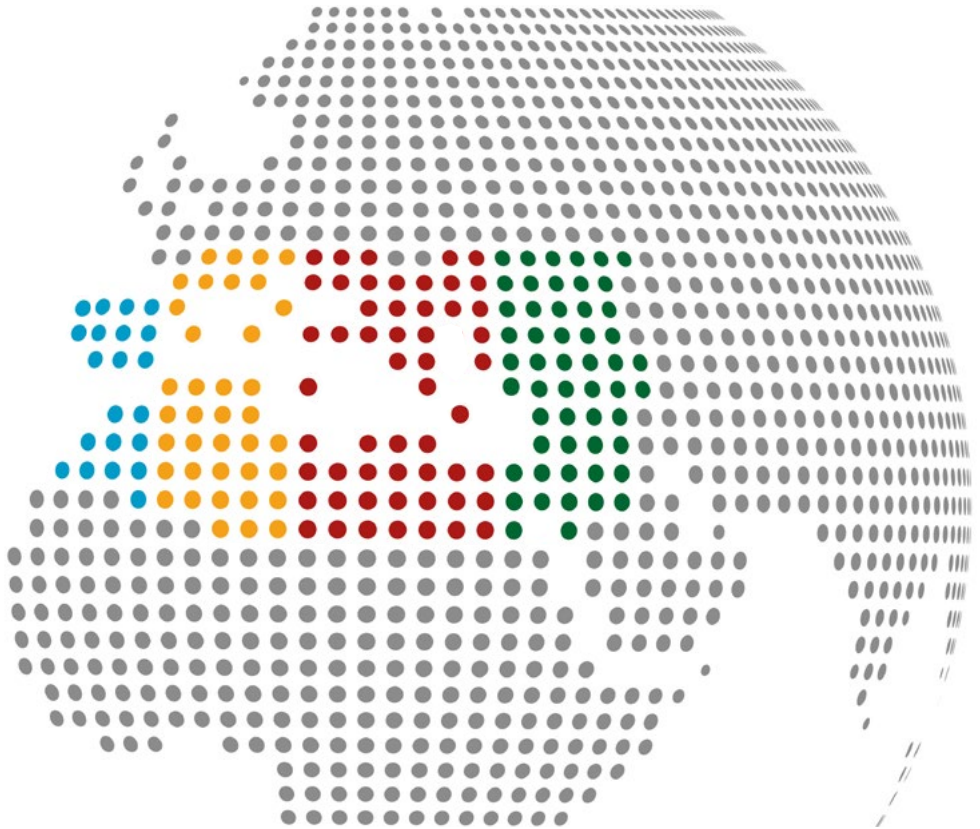




# BUILDING TODAY THE MEDITERRANEAN OF TOMORROW

## #MEDNOW



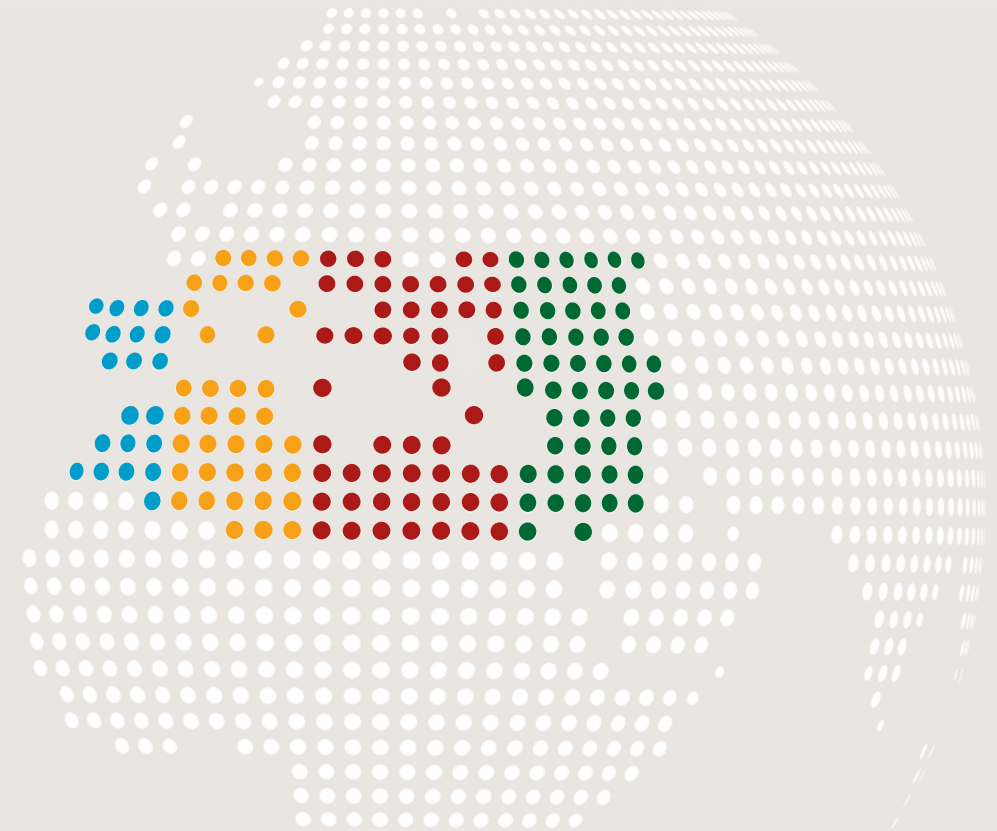
Catalogue of the strategic projects funded  
by the ENI CBC 'Mediterranean Sea Basin' Programme





# BUILDING TODAY THE MEDITERRANEAN OF TOMORROW

## #MEDNOW



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Catalogue of the strategic projects funded  
by the ENI CBC 'Mediterranean Sea Basin' Programme





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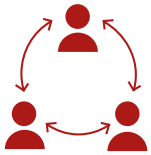


## 14 participating countries

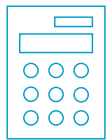
ALGERIA*	JORDAN	PALESTINE
CYPRUS	ISRAEL	PORTUGAL
EGYPT	ITALY	SPAIN
FRANCE	LEBANON	TUNISIA
GREECE	MALTA	



## 112 territories covered



## 198 million people live in the cooperation area



## 209 million euro. EU contribution to the Programme



## 13 Countries represented

CYPRUS	JORDAN	MALTA
EGYPT	ISRAEL	PALESTINE
FRANCE	ITALY	PORTUGAL
GREECE	LEBANON	SPAIN
		TUNISIA



## 197 Grant applications submitted



## 23 Funded projects

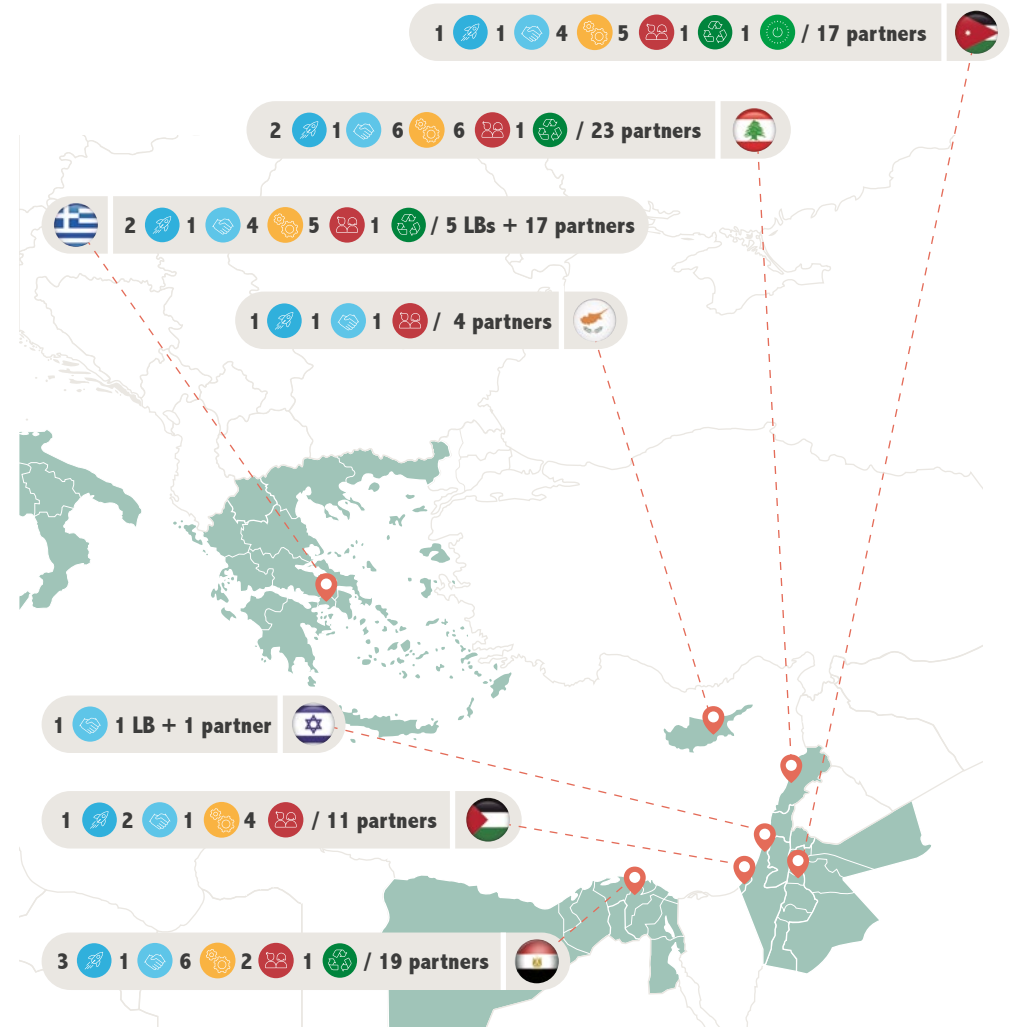
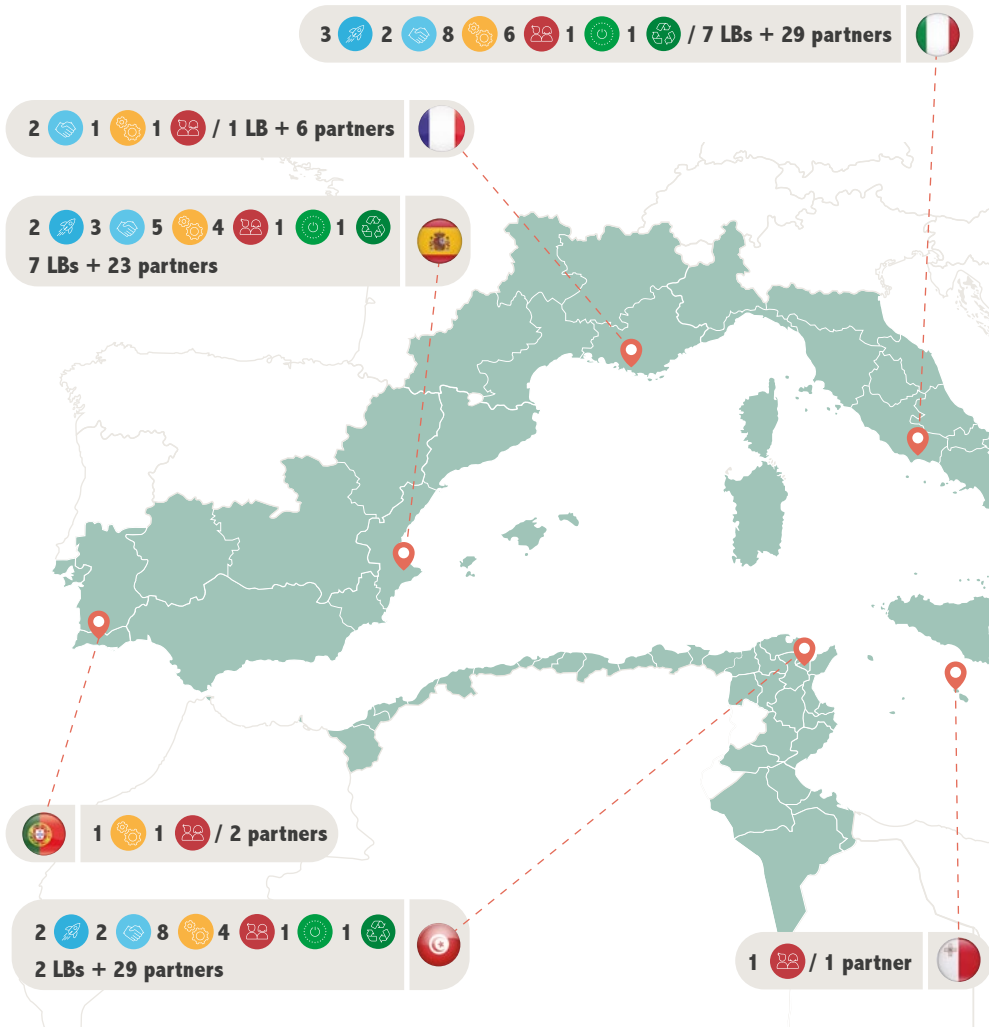


## 205 Organisations involved



## 80 Value of funded projects (in million euro)

\* Algeria has adhered to the Programme but has not signed the Financing Agreement with the European Union at the time this brochure was published.



## LEGEND

## NUMBER OF FUNDED PROJECTS PER PRIORITY

 **LB:** Lead Beneficiary (Project coordinator)  
**Partners:** organisations participating in projects

 2 projects under priority

 1 project under priority

 1 project under priority

 SMEs AND BUSINESS DEVELOPMENT

 Start-ups and recently established enterprises

 Euro-Mediterranean economic clusters

 TECHNOLOGY TRANSFER AND INNOVATION

 Technology transfer and commercialisation of research results

 SOCIAL INCLUSION AND FIGHT AGAINST POVERTY

 Employability of young people (NEETS) and women

 ENVIRONMENT AND CLIMATE CHANGE

 Waste management

 Energy efficiency and renewable energy



STRATEGIC  
PROJECTS  
**AIMS AND FOCUS**



To achieve sustainable, tangible and replicable results that last beyond the project duration



To foster transferability and reuse of good practices



To build synergies with relevant EU, national and regional policies and initiatives implemented in the Mediterranean region



To contribute to the development of public policies and policy-relevant innovations



## InNoVative Sustainable sTart-ups for the MEDiterranean

-  **Union of Mediterranean Confederations of Enterprises**
-  German-Arab Chamber of Industry and Commerce
-  Institute of Entrepreneurship Development
-  Libera Università Maria SS. Assunta
-  Rumundu Social Promotion Association
-  Beyond Reform and Development / Irada Group S.A.L
-  Euro-Mediterranean Economists Association
-  European Institute of the Mediterranean
-  Spanish Chamber of Commerce

### PROJECT DESCRIPTION

On the one hand, Mediterranean MSMEs face important challenges in terms of competitiveness, sustainability, internationalization and capacity to innovate which call for new solutions to ensure their growth and continued existence. On the other hand, greening the economy and enhancing natural assets can provide both economic and environmental benefits in the Mediterranean region. On this basis, the INVESTMED project aims at addressing both economic and environmental challenges, supporting new, sustainable business opportunities for young people and women in three countries: Egypt, Lebanon and Tunisia. INVESTMED is set to positively

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### WHO WILL BENEFIT?

- ✓ 315 young graduates and women would-be entrepreneurs
- ✓ Mediterranean start-ups/recently established enterprises
- ✓ Business Support Organizations
- ✓ 10 public authorities

### OBJECTIVE

To support the development of sustainable entrepreneurship and business initiatives, by creating a backing environment and facilitating access to new markets with the final goal of generating increased economic opportunities and jobs for young people and women.

### EXPECTED ACHIEVEMENTS

- ✓ 21 sustainable business management training events
- ✓ 42 business ideas developed by young entrepreneurs
- ✓ €105,000 of risk capital raised for 21 young entrepreneurs
- ✓ 3 Business Support Organisations supported to establish long-term incubation and acceleration services

### WHAT WILL BE IMPROVED?

INVESTMED is expected to produce tangible and long-lasting impacts. At least 20 MSMEs targeted by the project will reach and maintain €25,000 of sales while no less than 40 job contracts will be signed by young people and women. Moreover, 4 MSMEs will access new markets and 30 will launch new products and services. The impact on public authorities will be ensured too, with a minimum of 10 public authority staff members trained to be able to act as multipliers in their institutions, which, in turn, will support 20 recently created companies to apply for IPR protection.

### MORE INFORMATION



**BUDGET** €3,8 million (90% EU contribution)

**DURATION** September 2020 - March 2023

**CONTACT** **Nadine Kilani**  
Union of Mediterranean Confederations of Enterprises  
[project@businessmed-umce.org](mailto:project@businessmed-umce.org)





## Sustainable Textile Action for Networking and Development of circular economy business ventures in the Mediterranean

-  **Waste Agency of Catalonia**
-  Textile Industry Association
-  SEKEM Development Foundation
-  Prato Textile Museum Foundation
-  Berytech Foundation
-  Textile Technical Centre
-  Tunis International Center for Environmental Technologies

### PROJECT DESCRIPTION

There is a pressing need for a transition to an environmentally and socially responsible circular model in the textile sector, a traditional key industry in the Mediterranean with an undoubtful cross-border nature. The solution to accelerate this transition is innovative entrepreneurship, which, in addition to its positive environmental benefits, will generate employment in the region. This transformation is the underlying idea behind STAND Up! which intends to support textile entrepreneurs and eco-innovative ventures in 5 countries and help them seize the business opportunities that the green evolution will generate. To achieve this ambitious goal, the project will undertake many actions in training, financial grants,

### INDEX



market stimulation, technology transfer, Intellectual Property Rights protection, etc. As a result, the SMEs of the textile and clothing sector will be more competitive and, at aggregate level, the value chain will be strengthened, and new Mediterranean cross-border linkages established.

### OBJECTIVE

To enhance scalable, replicable and inclusive circular economy ventures in the Mediterranean by developing an ecosystem of business support, innovation, and technology transfer that will lead to sustainable job creation for youth and women.

### WHAT WILL BE IMPROVED?

STAND Up! will lead to an increase in the income of existing green SMEs as well as to the creation of new sustainable textile enterprises. This will generate a natural demand for new jobs that will be met by high skilled people. Concretely, 400 ideation-stage ventures will be supported to help them generate employment opportunities and 20 early and growth stage ventures will be assisted in maintaining stable employment and create, at least, two new direct jobs each. Besides this direct and indirect impact, the stimulation of innovation and sector aggregation will minimize negative environmental impact along the garment lifecycle and facilitate the region's transition towards sustainable consumption and production in the textile and clothing industry. All in all, the project will mark a significant step

change in each region's ability to harness the power of eco-innovation and entrepreneurship in the textile (Italy and Spain) and clothing (Lebanon, Tunisia and Egypt) sectors.

### WHO WILL BENEFIT?

- ✓ Eco-innovative textile and clothing entrepreneurs and enterprises
- ✓ Sector aggregators
- ✓ Local, national and regional public sector organizations
- ✓ Relevant intellectual property agencies

### EXPECTED ACHIEVEMENTS

- ✓ 400 ideation stage entrepreneurs trained (at least 50% women and young people)
- ✓ Soft-landing voucher scheme of up to €9,000 granted to 50 early and growth stage entrepreneurs
- ✓ Prizes worth €50,000 awarded for eco-innovative textile manufacturing and clothing industry
- ✓ Trademark and patenting vouchers scheme granted to 40 ventures

### MORE INFORMATION



#### BUDGET

€3,7 million  
(90% EU contribution)

#### DURATION

July 2020 - December 2022

#### CONTACT

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## Urban sustainable development SOLutions Valuing Entrepreneurship

### ARCA Consortium

-  University of Cyprus
-  The Cyprus Institute
-  Academy of Scientific Research and Technology
-  Institute of Entrepreneurship Development
-  Development Agency of Trikala Municipality - e-TRIKALA SA
-  Jordan University of Science and Technology
-  The Higher Council for Science and Technology/ International Cooperation Department
-  Palestine Ahliya University
-  Bethlehem Municipality

### PROJECT DESCRIPTION

The implementation of the United Nations 'Sustainable Development Goals' in urban areas is of crucial importance to make our cities sustainable, livable and resilient over the long term. Vibrant entrepreneurial ecosystems can bring a valuable contribution in designing innovative solutions that have a positive impact against the negative effects of climate change. To ensure that potential entrepreneurs, especially young people, can turn ideas into actual businesses, an enabling ecosystem, supported by public authorities, is needed. U-SOLVE intends to enhance support to young entrepreneurs in urban areas with focus on the environment and sustainable development. The project will create experimental pathways for place-based strategies, suitable for the Mediterranean coun-

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tries, where the entrepreneurial energy is oriented towards sustainable and integrated territorial development.

### OBJECTIVE

To create a model of urban development based on innovative entrepreneurship, addressing sustainable development challenges, boosting urban business ecosystems and creating jobs in emerging social and environmental markets.

### WHAT WILL BE IMPROVED?

U-SOLVE will establish a supporting process devoted to innovative young and women entrepreneurs with both local impact and high growth potential, to boost the implementation of Sustainable Development Goals in urban contexts. The impact on income generation for start-ups will be substantial, with a minimum of 20 new business contracts signed. As a consequence, the project is expecting to generate at least 40 new jobs in the supported start-ups. Moreover, the network of urban hubs, to be generated by the project, will represent a powerful tool, at Mediterranean level, where local policy-makers, knowledge providers, development agencies, innovators and impact investors will act as a community for change, producing economic value within a sustainable development framework. Over a mid-long term perspective, the project will contribute to the shift to an integrated, impact-oriented approach to entrepreneurship, where the local and global di-

mensions of new business are connected to the sustainable development paradigm.

### WHO WILL BENEFIT?

- ✓ 420 young and women entrepreneurs and potential entrepreneurs
- ✓ 30 start-ups operating in urban contexts
- ✓ Local urban populations

### EXPECTED ACHIEVEMENTS

- ✓ 120 start-uppers trained to strengthen the scaling-up potential of their business ideas
- ✓ 30 start-up companies addressing environmental issues with innovative ideas that can be turned into new services or products
- ✓ 6 urban hubs set up as incubators for entrepreneurs
- ✓ 7 strategic documents on urban entrepreneurial policy for sustainable development in the Mediterranean area

### MORE INFORMATION



**BUDGET** €3,6 million  
(90% EU contribution)

**DURATION** October 2020 - April 2023

**CONTACT** **Elisabeth Parisi**  
ARCA Consortium  
[eparisi@consorzioarca.it](mailto:eparisi@consorzioarca.it)





## Profitable and Sustainable artisanal olive oil industry in the Mediterranean



**Agricultural Research Organization, Volcani Center**



Beit Hakerem Clusters



Department of Agriculture – Ministry of Agriculture, Rural Development and Environment



University of Corsica



American Farm School Post - Secondary Educational and Training Association



Hellenic Agricultural Organization DEMETER / Institute of Olive Tree



Palestinian Centre for Agriculture Research and Development



Center for Advanced Studies in Olive Grove and Olive Oils



Kellenfol Advertising S.L.

### PROJECT DESCRIPTION

Mediterranean small extra virgin olive oil (EVOO) farmers face similar problems: they own small plots of land and use traditional rain-fed farming, while relying on family manpower. Due to the challenges posed by globalization, the olive sector of MSMEs is unprofitable and many olive orchards are abandoned or untended, resulting in unemployment within marginalized communities. To address these challenges, ARTOLIO aims at establishing, in each participating region, a Native Olive Regional Knowledge Center (NOReKC) which will provide up-to-date training on how an artisanal EVOO should be produced in order to remain competitive. In addition, the project will define a networking management model for artisanal EVOO through a Pan-Mediterranean Platform comprising all NOReKC, which will assist MSMEs across the Mediterranean region

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in marketing, sales, finance, policy and legislation, at national level and in entering new global markets. The project will result in higher olive yield and oil quality as well as improved profitability through connecting individual farmers into a global network of resilient MSMEs able to create jobs and manage businesses.

### OBJECTIVE

To enhance the economic sustainability of the Mediterranean MSMEs in the olive oil local industries and increase both olive oil yield and quality, by establishing local knowledge regional institutions as mentors, as well as a Pan-Mediterranean Platform to assist local producers in global marketing and sales.

### WHAT WILL BE IMPROVED?

From one side, olive yield will be increased by at least 200% through the introduction of advanced irrigation techniques and deployment of sensor networks. Higher yield will translate directly into resilient MSMEs with higher income, then, more likely to create jobs. Another side, olive oil quality of rural MSMEs will be improved to meet the bar of EVOO both chemically and organoleptically according to international standards and regulations, as well as the promotion of different variants of artisanal EVOO and diversification of products. This will allow small farmers to access world markets at premium prices, then increasing income, resilience and, finally, regional/community growth.

### WHO WILL BENEFIT?

- ✓ Olive farmers with plots of less than 3 hectares
- ✓ Local consumers who will have access to higher quality olive oil
- ✓ 80 EVOO artisanal producers (olive growers and mills owners)
- ✓ Regional and local authorities in Israel, Palestine, Cyprus, Greece, France and Spain

### EXPECTED ACHIEVEMENTS

- ✓ 62 sub-grants awarded to oil MSMEs to participate in pilot activities and receive relevant irrigation and fertilization equipment to upgrade their farms
- ✓ Extra-virgin quality verified chemically and organoleptically for 46 oil farmers
- ✓ 8 regional marketing and branding strategies (1 per participating region)
- ✓ 8 Protected Designation of Origin and 8 Protected Geographical Indication marks of quality promoted

### MORE INFORMATION



#### BUDGET

€2,9 million  
(90% EU contribution)

#### DURATION

August 2020 - February 2023

#### CONTACT

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## Innovation for bringing creativity to activate Traditional Sectors in the MED area

-  **AITEX - Research Textile Institute**
-  Valencian Institute of Business Competitiveness
-  Catalan Fashion Cluster
-  Confederation of Egyptian European Business Associations
-  Federation of Egyptian Chambers of Commerce - Alexandria Chamber
-  ARCA Consortium
-  Municipality of Prato
-  The Higher Council for Science and Technology/ International Cooperation Department
-  Leaders Organization
-  Higher Council for Innovation and Excellence
-  Monastir El Fejja Competitiveness Pole

### PROJECT DESCRIPTION

Textile, footwear and leather are Mediterranean traditional sectors, with an annual estimated global turnover of more than €280 billion and 2.7 million employees working mainly in MSMEs which account for 90% of the industry. During the last decades, these sectors have been affected by the economic slowdown and a very strong competition from Asia. These Mediterranean traditional sectors are under threat if they do not renew their business models quickly. Unable to compete in price or volume, the main challenges for traditional sectors are related to product and process innovation, the establishment of new business models and the creation of business sustainable alliances to strengthen the value chains. To address these challenges, the CRE@CTIVE project will

### INDEX



boost creativity as a key aspect for increasing economic opportunities of MSMEs by creating links between the traditional sectors and the creative industries (crafts, design, culture, etc.). As a result, creative innovation will upgrade the products and will improve their positioning, making them more competitive in the global markets.

### OBJECTIVE

To foster value chains and business alliances among MSMEs in Mediterranean textile, footwear and leather sectors in order to encourage the creation of new products and business growth, by building bridges between these sectors and the creative industry.

### WHAT WILL BE IMPROVED?

CRE@CTIVE will strengthen transnational innovation networks, clusters and value chains. It will create new jobs, drive efficient resource use and accelerate the process of generating, disseminating and applying innovative ideas, concepts and business models. Tangible solutions for target groups will be provided, in particular for young people and women, but also for the society at large. Concretely, thanks to CRE@CTIVE, 16 new business alliances will be supported directly to establish new market opportunities. At least 24 new direct long-term jobs will be created through direct participation in the project pilot start-ups, via sub-grants that will give the opportunity to set up new businesses based on innovative approaches.

### WHO WILL BENEFIT?

- ✓ MSMEs of the Mediterranean textile, footwear and leather sectors
- ✓ 100 culturally and creatively engaged individuals (artists, designers, artisans, etc.)
- ✓ 50 local public authorities
- ✓ Final consumers who will benefit from product innovation

### EXPECTED ACHIEVEMENTS

- ✓ 6 business labs models to foster new and innovative business ideas and services
- ✓ 16 new business solutions created
- ✓ 6 cooperation exchange seminars for civil servants, public authorities and economic stakeholders
- ✓ 6 regional observatories constituted as an open, cooperative and dialogue initiative to improve and establish policies and programs for financing innovation

### MORE INFORMATION



**BUDGET** €3,2 million  
(90% EU contribution)

**DURATION** November 2020 - May 2023

**CONTACT** **Miriam Martínez Carbonell**  
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[miriam.martinez@aitex.es](mailto:miriam.martinez@aitex.es)





## OENOMED



## Qualification and promotion of the wine sector in Mediterranean Protected Areas

### National Trade Union Chamber of Producers of Alcoholic Beverages - UTICA

Borj-Cedria Technopole Management Company

General Directorate of Agricultural Production

Departmental Council of Hérault

National Institute of Agronomic Research

Syndicate of Languedoc controlled designation of origin (AOC)

Regional Park of the Roman Castles

Council for agricultural research and analysis of the agricultural economy

Shouf Biosphere Reserve

Lebanese Wine Union

Lebanese Agricultural Research and Studies Center - CREAL S.A.L.

### PROJECT DESCRIPTION

There is no doubt that the wine sector is very important for the Mediterranean region at multiple levels: economic, social and environmental. The latter aspect is at the core of OENOMED project. Greener consumers put pressure on wine producers to achieve more sustainability as highlighted by the growing demand for bio-dynamic wines. MSMEs of the sector need to address this challenge if they want to stay competitive, especially if it is assumed that they will not be able to compete in volume with big wineries. OENOMED intends to support wine MSMEs to go greener and take advantage of the unique natural assets of the Mediterranean Protected Areas. These areas have enormous potential that are calling for green and environmentally friendly businesses.

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The project will strengthen MSMEs both technically and economically, getting them ready to grow, using the wine quality label developed by the partners in the concerned Protected Areas.

### OBJECTIVE

To qualify and promote the wine sector MSMEs in Mediterranean Protected Areas by enhancing the uniqueness of these areas and fostering the adoption of green technologies, sustainable business practices and joint commercial strategies.

### WHAT WILL BE IMPROVED?

The wine producing MSMEs will widen their market in close synergy with the Protected Areas involved in the project and will generate long-term and sustainable impact by creating new quality brands and commercial networks. The sales of MSMEs will consequently increase, thus, offering consistent opportunities for business growth and job creation. Another result of the project will be the positive impact on the economic and environmental life of the Protected Areas by showing that combining natural protection and business development is far from being incompatible.

### WHO WILL BENEFIT?

- ✓ 7,000 Mediterranean wine producing MSMEs in the 4 participating countries
- ✓ Management authorities of the Protected Areas

- ✓ Researchers and wine sector professionals
- ✓ Wine consumers that will benefit from new green and high-quality brands

### EXPECTED ACHIEVEMENTS

- ✓ Creation of a new quality label called "Wine from Mediterranean Protected Areas"
- ✓ Local and Mediterranean Charters on "Innovative viticulture in protected areas" signed by 80 MSMEs
- ✓ 40 advisory and consultancy services provided to MSMEs for the implementation of the Local Charters and promotional campaigns
- ✓ At least 40 MSMEs financially supported to develop sustainable wine production in Protected Areas and to implement marketing campaigns

### MORE INFORMATION



#### BUDGET

€2,7 million  
(90% EU contribution)

#### DURATION

November 2020 - May 2023

#### CONTACT

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National Trade Union Chamber of Producers of Alcoholic Beverages - UTICA  
[cnpba.oenomed@gmail.com](mailto:cnpba.oenomed@gmail.com)






## Commercialization of an Automated Monitoring and Control System against the Olive and Med Fruit Flies of the Mediterranean Region


 **Agricultural University of Athens**

 **University of Molise**

 **Lebanese Agricultural Research Institute**

 **University of Cordoba**

 **Tunisian Olive Institute**

 **Regional Research Centre on Horticulture and Organic Agriculture**

### PROJECT DESCRIPTION

Environmentally effective control of key pests for olive, peach and citrus crops is of paramount socio-economic importance for the Mediterranean region. This requires effective e-monitoring and Integrated Pest Management (IPM) ground spraying control e-solutions based on technological innovations. The former FruitFlyNet project, funded under the 2007-2013 ENPI CBC Med Programme, introduced a Location Aware System (LAS) which has been tested, evaluated, and demonstrated in small-scale crop areas, with very promising results, although they are fragmented and not marketed yet. FruitFlyNet-ii project aims to develop a complete package of solutions for the farmers to



e-monitor the olive fruit fly (*Bactrocera oleae*) and the medfly (*Ceratitis capitata*) pests. The final LAS solution provides two prototypes, namely, the OliveFlyNet and the MedFlyNet, consisting of two e-traps, one per pest examined, and a set of e-services. The two LAS prototypes will be optimized by the inputs of living labs, which include start-ups, specialized SMEs, IPM industry and other stakeholders. They will demonstrate their performance and functionality in 8 large-scale, olive, peach, and citrus crop sites. Better optimization of targeted market establishment and operation of start-ups will lead to a co-patented product and will prepare the LAS prototypes for commercialization.

### OBJECTIVE

To facilitate cleantech sharing between research and SMEs against specific pests in the Mediterranean region by commercializing two prototypes, each with a set of e-services for effective e-monitoring and ground spray control.

### WHAT WILL BE IMPROVED?

The project will develop an innovative e-solution by integrating for the first time, the automatic real-time field data acquisition, the innovative e-trap, the spraying, the e-guidance, and the traceability. New products/e-services will be added to cover the needs for the control of similar pests, such as fruit flies and moths on many crops.

The involved regions share a range of variable crops, climatic and cropping characteristics and Integrated Pest Management strategies. LAS will have a significant impact in all countries involved and will offer clear economic benefits in the monitoring, control, fast decision-making.

### WHO WILL BENEFIT?

- ✓ 1,000 farmers in olive, peaches and citrus cultivation
- ✓ 100 cooperative unions
- ✓ 120 agro-industries exporters
- ✓ SMEs and Agricultural Trade Unions

### EXPECTED ACHIEVEMENTS

- ✓ 2 prototypes of e-traps, one per targeted pest
- ✓ 2 sets of e-services, one per prototype
- ✓ 1 co-patent
- ✓ 6 scientific publications in peer review journals

### MORE INFORMATION



**BUDGET** €3,6 million  
(90% EU contribution)

**DURATION** September 2020 - February 2023

**CONTACT** **Theodore Tsiligiridis**  
Agricultural University of Athens  
[tsili@aua.gr](mailto:tsili@aua.gr)

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## ICT Mediterranean platform for UNESCO cultural heritage



**Sicilian Region  
Department of Tourism**



Network of Castles and Medieval Towns



University of Palermo  
Department of Architecture



Confederation of Egyptian European  
Business Associations



Jordan Society for Scientific Research,  
Entrepreneurship and Creativity



General Department of Antiquities  
of Jordan



Lebanese American University



University of Algarve



Andalusian Public Foundation  
El Legado Andalusi



Association of the Mediterranean  
Chambers of Commerce and Industry

### PROJECT DESCRIPTION

The Mediterranean UNESCO cultural heritage needs new techniques to improve its level of interpretation, taking advantage of technologies and commercialising the latest research results. iHERITAGE will provide new solutions to promote cross-border technological transfer, Living Labs, industry-academia collaboration and the creation of spin-offs and new products, using the latest Information and Communication Technologies (ICT): Augmented Reality (AR), Virtual Reality (VR) and Mixed Reality (MR). Young people, women and NEETs will take part in the Living Labs, training courses, and the creation of spin-offs, thus contributing to increase employment opportunities. The project will support collaborations among universities, SMEs, start-ups and spin-offs devoted to the creation of AR/VR/MR products. Eventually,

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iHERITAGE will improve access to UNESCO cultural heritage, on site and off site, and will contribute to the establishment of the Regional Centre for Safeguarding and Valorisation of Mediterranean Intangible Cultural Heritage, to be recognized under Category 2 of UNESCO.

### OBJECTIVE

To support technological transfer and commercialisation of new AR/VR/MR tools aimed at enhancing the access to Mediterranean UNESCO cultural heritage through augmented and immersive experiences, by creating cross-border living labs for research and innovation.

### WHAT WILL BE IMPROVED?

iHERITAGE will foster the creation of innovative AR/VR/MR contents related to some of the world's most outstanding tangible and intangible cultural heritage, namely 9 involved UNESCO World Heritage List sites: 6 in Italy, 1 in Spain, 1 in Egypt and 1 in Jordan.

It will also increase entrepreneurial capacities of young people, public institutions' staff and researchers through training courses, reducing the digital gap and uneven level of innovation culture across countries. In the long term, iHERITAGE will lead to the creation of a regional centre dedicated to Intangible Cultural Heritage of the Mediterranean region and the first ICT Cluster of Mediterranean UNESCO cultural heritage.

### WHO WILL BENEFIT?

- ✓ 300 researchers and ICT specialized staff operating on the commercial development of their research ideas
- ✓ 6,000 NEETs, young people and women
- ✓ 10 million tourists visiting UNESCO cultural sites involved in the project
- ✓ 2 million end users, who will be able to access UNESCO cultural heritage's AR/VR multimedia contents online and off site

### EXPECTED ACHIEVEMENTS

- ✓ 18 research agreements among universities, researchers and SMEs
- ✓ 6 new training programs created
- ✓ 76 new innovative products/services to boost the valorisation of the intangible cultural heritage
- ✓ Creation of the Regional Centre for Safeguarding and Valorisation of Mediterranean Intangible Cultural Heritage

### MORE INFORMATION



**BUDGET** €3,8 million  
(90% EU contribution)

**DURATION** September 2020 - March 2023

**CONTACT** **Lia Giambrone**  
Sicilian Region  
[ihheritagecbc@gmail.com](mailto:ihheritagecbc@gmail.com)



## Incubators for innovation and technological transfer in the Mediterranean



### Chamber of Achaia



University of Patras - Special Account for Research Grants



Confederation of Egyptian European Business Associations



SEKEM Development Foundation



Association of the Mediterranean Chambers of Commerce and Industry



Official Chamber of Commerce, Industry, Services and Shipping of Seville



Technological Corporation of Andalusia Foundation



Cap Bon Chamber of Commerce and Industry



National Agency of Promotion of Scientific Research

### PROJECT DESCRIPTION

Although regions participating in the INTECMED project are heterogeneous in terms of innovation, they do share a common challenge: overcoming the obstacle of different actors working with innovation at local level to coordinate their actions and to find synergies. For this reason, INTECMED aims to develop an integrated innovation ecosystem at local level to support technological transfer and commercialization of research results. The project will use a methodology of building resilience into risk management (BRIM) to develop a shared vision of how to build start-ups overcoming inexperience and gap between academic knowledge and business development. This methodology will be implemented by creating regional alliances, facility points, mentorship programmes and

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innovation exhibitions, where investors and innovators have the chance to exchange their ideas and business opportunities. Through mentorship and skills development in business planning, the commercialisation of research results of at least 48 entrepreneurs and researchers will be fostered and at least 4 new spin-offs will be launched.

### OBJECTIVE

To develop an integrated Mediterranean ecosystem that facilitates technological transfer and commercialization of research results, while strengthening linkages among research, industry, private sector and citizens.

### WHAT WILL BE IMPROVED?

INTECMED project aims at facing common challenges of the areas involved in the project, all characterized by two phenomena: generalized economic slowdown and significant job deficit. In the mid-term, the project expects to set-up a stable decision-makers group to define an innovation strategy at local level able to coordinate all actions of different players. The pilot mentorship programmes will improve the competencies and capacities to commercialize research results of at least 48 entrepreneurs/researchers. In the long term, an improvement in the innovation capacity of the involved regions, and in particular those of the southern shore of the Mediterranean, is expected.

### WHO WILL BENEFIT?

- ✓ 35 science and research organisations
- ✓ SMEs
- ✓ 25 public institutions, notably innovation support organisations
- ✓ Potential investors, such as financial institutions and industry

### EXPECTED ACHIEVEMENTS

- ✓ 48 mentorship programmes delivered
- ✓ 12 new product/services developed by the selected start-ups
- ✓ 4 spin-offs established as new enterprises
- ✓ At least 12 new jobs created

### MORE INFORMATION



**BUDGET** €3,7 million  
(90% EU contribution)

**DURATION** September 2020- February 2023

**CONTACT** **Kostas Giotopoulos**  
Chamber of Achaia  
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## MEDiterranean QUadruple helix Approach to Digitalisation

### PROJECT DESCRIPTION

Innovation and technology are recognised as major drivers for competitiveness and for long-run endogenous economic growth. However, most of Mediterranean regions are characterised by a high prevalence of micro enterprises, with difficulties to acquire the necessary skills to innovate and grow. MED-QUAD will address this challenge through the cooperation among universities in 6 countries. The project aims to nurture the innovation potential of the regions, by building up a cross-border cooperation scheme of the Quadruple Innovation Helix. The main actors are the universities which will improve their capacity to be and act as “civic universities” in cooperation with the cities to which they belong as “anchor” institutions together with the



**EPIMORFOTIKI KILKIS**  
Single-member LLC



International Hellenic University



Arab Academy for Science,  
Technology and Maritime Transport



University of L'Aquila



Al-Balqa Applied University



Palestine Polytechnic University



University of Sousse

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socio-economic stakeholders and the citizens. Two cross-border Living Labs will be established, where several pilot activities for technological transfer and commercialisation of research results will be implemented. They will exploit ICT technologies and Key Enabling Technologies for water use optimization, consumption and reduction (Smart Water Use Applications - SWUAP), as well as cultural heritage promotion and preservation (Applied Research for Cultural Heritage Exploitation - ARCHEO). The project will set up a toolkit for enhancing the institutional capacities of businesses, cities and universities of both shores of the Mediterranean to work together and reinforce their role as “catalysts” for fair and inclusive development.

### OBJECTIVE

To create the conditions - through the establishment of Mediterranean Cross-border Living Labs - for an effective interaction between the main innovation players of the Quadruple Helix: Academia, Industry, Civil Society and Governments in the digital economy.

### WHAT WILL BE IMPROVED?

MED-QUAD will support the creation of the right environment where universities, SMEs, and governments can cooperate and promote together the innovation of processes and products. The Quadruple Helix approach will be applied to the planned cross-border Living Labs

focused on 2 crucial issues: Tourism and Water. Universities will establish Innovation Transfer Offices, and policy-makers will acquire competences for creating entrepreneurship ecosystems where new firms find the right support. In the short term, at least 5 cross border spin-offs and at least 5 existing SMEs will create new jobs for qualified young people.

### WHO WILL BENEFIT?

- ✓ Universities
- ✓ Staff of city councils
- ✓ SMEs and business association
- ✓ Entrepreneurs

### EXPECTED ACHIEVEMENTS

- ✓ 2 Living Labs established
- ✓ 8 joint projects between universities and SMEs launched
- ✓ 80 professionals benefiting from training on entrepreneurial skills
- ✓ 10 new innovative products/services commercialized

### MORE INFORMATION



**BUDGET** €3,3 million  
(90% EU contribution)

**DURATION** September 2020 - March 2023

**CONTACT** **Periklis Kosmidis**  
EPIMORFOTIKI KILKIS  
Single-member LLC  
[epimorf@otenet.gr](mailto:epimorf@otenet.gr)







## Nexus-Driven Open Labs for competitive and inclusive growth in the Mediterranean

### Autonomous University of Barcelona

C.I.P Citizens In Power

Academy of Scientific Research and Technology

INNOLABS SRL

Centre for promotional services to enterprises – Special Agency of Cagliari Chamber of Commerce

Net7 Srl

The Jordanian Hashemite Fund for Human Development - Princess Basma Community Development Centre Aqaba

Royal Scientific Society - Aqaba Liaison Center

American University of Beirut

Berytech Foundation

Chamber of Commerce and Industry of the Center

### PROJECT DESCRIPTION

NEX-LABS targeted territories, characterized by water scarcity and both an irregular rainfall and population distribution, reflect agriculture as largest user of water (70-90%) while future global warming projections ( $\approx 2^{\circ}\text{C}$ ) are expected to cause a decrease in summer precipitation (10/30%), water availability (2/15%) and agricultural productivity (12/40%). The latent conflict between energy efficiency ( $\approx 60\%$ ) and water production is also increasing energy footprint/m<sup>3</sup> of water used to produce food. The predicted shortfalls in Water/Energy/Food (WEF) require a NEXUS approach, which means an integrated management and governance of these natural resources. In this context, the NEX-LABS project aims to support the implementation of clean technologies for

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sustainable and resilient growth of agri-food sector production based on a more efficient use of energy (renewable/solar solutions) and water (wastewater treatment, water harvesting or reuse solutions) in Mediterranean Partner Countries thanks to the contribution of ICT such as blockchain technology, Internet of Things (IoT), Artificial Intelligence (AI), Machine Learning and Big Data.

### OBJECTIVE

To contribute to the creation of a sustainable and resilient agro-food sector based on a NEXUS driven Open Living Labs (NDOLL) approach, thus strengthening technology transfer, cooperation between industry-academia, increasing commercialization opportunities and innovation-driven growth.

### WHAT WILL BE IMPROVED?

SMEs are the backbone of the economy in Mediterranean countries, employing the majority of workforce. However, they are losing competitiveness, leading to a predominance of survivalist companies. NEX-LABS intends to change this trend and generate a mid-term impact through the NDOLL approach to test, recommend and implement those integrated NEXUS technologies in the agri-food sector, complemented by products, services and programmes to boost linked businesses. Besides, the project will enhance a job bank

repository oriented to younger audiences in Mediterranean Partner Countries to match offer and demand of employment related to the NEXUS technologies.

### WHO WILL BENEFIT?

- ✓ 21 public institutions such as ministries and national agencies
- ✓ 35 research centers or universities
- ✓ 60 SMEs
- ✓ 35 entities of the entrepreneurship ecosystem such as companies/technology transfer organizations/technological parks/venture capital/business angels

### EXPECTED ACHIEVEMENTS

- ✓ 2 NEXUS-Driven Open Living Labs established
- ✓ 16 testing and 42 acceleration vouchers allocated
- ✓ 6 spin-offs established with 6 copatents registered
- ✓ 8 joint research contracts signed

### MORE INFORMATION

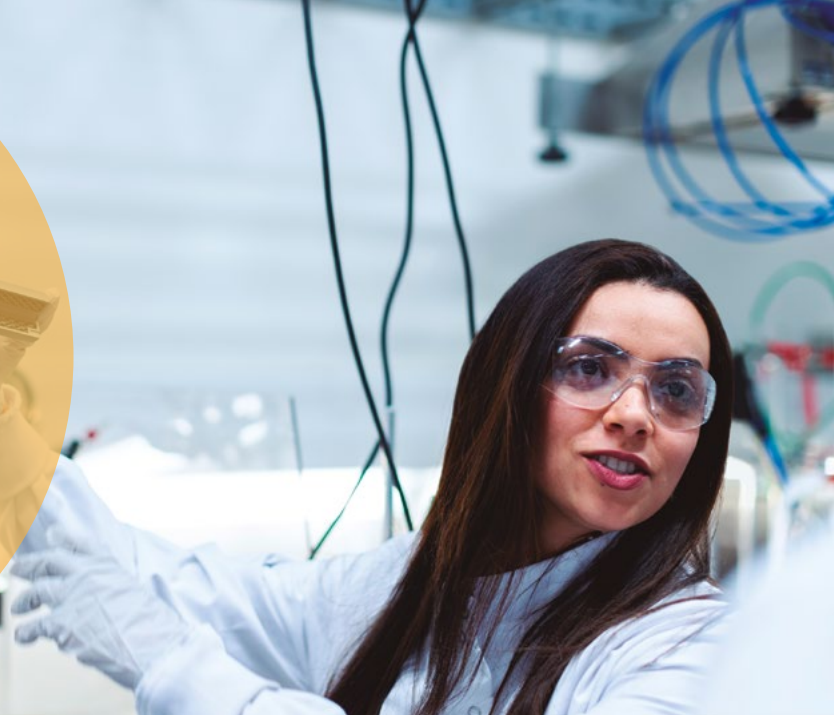


**BUDGET** €3,4 million (90% EU contribution)

**DURATION** September 2020 - March 2023

**CONTACT** **Gustavo Pérez González**  
Autonomous University of Barcelona  
[gustavo.perez@uab.cat](mailto:gustavo.perez@uab.cat)





## Technological transfer and commercialisation of public research results through PPI in the Mediterranean region

-  **Spanish National Research Council (CSIC)**
-  National Research Centre
-  National Research Council (CNR)
-  National Center for Research and Development
-  National Agency for the Promotion of Scientific Research

### PROJECT DESCRIPTION

National Research Centres (NRCs) are the main producers of R&D results in the Mediterranean region, whose results are transferred to the society through different instruments but not through Public Procurement of Innovation (PPI), although public procurement makes up a large share of public spending and at least 17% of the GDP of most Mediterranean countries. The PPI4MED project aims to create and demonstrate a model to transfer results from NRCs to public buyers, industry, SMEs and people through the co-design of solutions in 5 national and 1 cross-border living labs and the

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implementation of 12 real PPI processes to raise awareness of policymakers to include PPI as a strategic instrument to transfer results as part of the science policy in each concerned country. PPI can be a transformational instrument for scientific policy and R&D results financed by the public sector. The pilots to be implemented in 5 countries will demonstrate the potential of PPI to address the major challenges of our societies.

### OBJECTIVE

To boost the commercialisation of research results from public research institutions through Public Procurement of Innovation programmes and projects, as well as private-public commercialisation partnerships.

### WHAT WILL BE IMPROVED?

The project will have tangible long-lasting impacts in the technical, socio-economic and policy-making fields. Commercialization of results will improve the focus of future research on tangible results for society. A better interaction between industry- academia and public sector, allowing market knowledge transfer to procurers, will be fostered. Partner countries will benefit from the access to a huge knowledge repository of 5 NRCs with technology to find solutions to cross-border issues (water management, agroindustry, etc.) and commercialize their results.

### WHO WILL BENEFIT?

- ✓ 35 public bodies (Ministries and other public procurers from national, regional or local government)
- ✓ 40 research units
- ✓ 90 companies and SMEs
- ✓ 35 public buyers and policy-makers

### EXPECTED ACHIEVEMENTS

- ✓ 5 national and one cross-border Living Labs on Innovation Procurement
- ✓ 10 national and 2 cross-border platforms for precompetitive analysis of the products
- ✓ 30 agreements to commercialize results from NRCs to public buyers
- ✓ 4 co-patents registered

### MORE INFORMATION



**BUDGET** €3,6 million (90% EU contribution)

**DURATION** October 2020 - March 2023

**CONTACT** **Angela Ribeiro**  
Spanish National Research Council  
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## Applying innovation for the development of circular economy for sustainable construction in the Mediterranean

**CEREMA - Centre for Studies and Expertise on Risks, the Environment, Mobility and Urban Planning**



**SARL DYNEDOC**



**University of Palermo**



**Ministry of Environment**



**American University of Beirut**



**Lebanon Syndicate of Contractors of Public Works**



**Afrique Travaux Company**



**Center of Testing and Construction Techniques**



**Ministry of Local Affairs and Environment**



### PROJECT DESCRIPTION

RE-MED arises from the need to reduce the environmental and health impacts due to the failures in the management of construction and demolition waste (CDW). The project aims to transfer and experiment technologies enabling CDW to be transformed into resources for the construction and maintenance of roads. The project includes the construction of CDW recycling plants and aims to leverage the societal, environmental and digital transition of Mediterranean territories. A road section integrating CDW will be built and evaluated to demonstrate the concept. A full work program will be set up and shared on the RE-MED community collaborative platform. The

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project will implement structured training, scientific and public dissemination, methodological guides and draft standards, as well as models of efficient economy to integrate the dimension of sustainable development in the road sector. The project also intends to support the Tunisian and Lebanese environment Ministries in order to change the regulations to facilitate the use of at least 20% of recycled aggregates in road construction, and thus open up a construction waste market.

### OBJECTIVE

To support technology transfer to increase the value of construction waste and boost its use in road construction, integrating at least 30% of recycled materials, while transferring and disseminating recycling practices, thus accelerating the development of a new market.

### WHAT WILL BE IMPROVED?

RE-MED will open up a niche in the construction market, environmentally sustainable, by using CDW as an economic value. The project will promote a regulatory evolution establishing the use of recycled CDW in road construction of 20% of the total in the short term and 40% in the long term, as well as the adoption of new standards related to the treatment of CDW and their characteristics, such as the nomenclature of the waste and the standards of the tests.

The cooperation will enable the promotion of CDW valorization techniques and innovative technologies in the 4 partner countries while producing new tools. The project will also deliver cross-border trainings so that future professionals in the sector can apply these techniques.

### WHO WILL BENEFIT?

- ✓ 6 national public authorities: Ministries of Equipment, Economy and Finance, Interior, which will be involved in the regulatory evolution process
- ✓ National Agencies in the waste, environment and construction sectors
- ✓ 50 road owners and managers
- ✓ Construction companies

### EXPECTED ACHIEVEMENTS

- ✓ 3 plants of CDW sorting and treatment built
- ✓ 1 km of innovative pilot roads built
- ✓ 4 law/decreed proposals
- ✓ 1 registered patent

### MORE INFORMATION



**BUDGET** €3 million  
(90% EU contribution)

**DURATION** September 2020 - March 2023

**CONTACT** **Oumaya Marzouk**

CEREMA

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## TRANSborder Key Enabling Technologies and Living Labs for the DAIRY value chain

-  **University of Campania "Luigi Vanvitelli"**
-  National Research Council, Institute of Food Science
-  Kontor 46
-  Institute of Communication and Computer Systems
-  Agricultural University of Athens
-  Industrial Research Institute
-  Berytech Foundation
-  Agricultural Investment Promotion Agency
-  Agency for the Promotion of Industry and Innovation
-  Higher School of Engineers of Medjez El Bab

### PROJECT DESCRIPTION

The Dairy Value Chain (DVC) faces joint challenges at Mediterranean level: the growing market demand for high quality and safe products and the industrialization of farming and globalization. In this context, cross-border cooperation is needed to create the critical mass of research results marketable by spin-offs to address the entire DVC. The TRANSDAIRY project intends to enhance technology transfer among research, industry and SMEs in the fields of Key Enabling Technologies (KETs) applied to the Dairy Value Chain. To do so, it will establish 8 cross-border Living Labs, increase institutional capacity through specialized trainings, and provide a market analysis for



new products and services enabled by KETs. TRANSDAIRY will provide new tools and techniques for a more efficient and sustainable DVC, which will decrease delivery times, waste and logistic costs, increasing and improving the quality and safety of milk and dairy products.

### OBJECTIVE

To enhance technology transfer among research, industry and SMEs in the fields of Key Enabling Technologies applied to the Dairy Value Chain, through the creation of Living Labs, the increase of institutional capacities, and the development of market intelligence for sustainable and consolidated spin-offs.

### WHAT WILL BE IMPROVED?

The regions involved in the project share a Dairy Value Chain based on small farms, generally family-run whose younger members tend to flee from such demanding jobs, in areas already impacted by the effects of climate change. This situation is made more challenging by international competition which offers low cost and low quality imported dairy products. TRANSDAIRY will modernize some practices and support the transition towards a model more adapted to the reality of today's globalization. Besides creating jobs, the project will increase the quality and safety of dairy products, improve productivity and small farmers' revenues.

### WHO WILL BENEFIT?

- ✓ Actors of the dairy value chain: farmers, transporters, distributors, etc.
- ✓ Women and younger people working in the sector, seeking new opportunities and jobs
- ✓ Research entities in ICT and Bio/ Nano Technologies
- ✓ Dairy products consumers

### EXPECTED ACHIEVEMENTS

- ✓ 8 Living Labs set up, 4 in Biotechnologies and 4 in ICT
- ✓ 2 web platforms launched for pre-competitive analysis of products and services
- ✓ 8 training courses implemented with at least 200 beneficiaries
- ✓ 12 vouchers for co-development of patents

### MORE INFORMATION



- BUDGET** €3,8 million (90% EU contribution)
- DURATION** September 2020 - February 2023
- CONTACT** **Luigi Zeni**  
University of Campania  
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## Technological Transfer for Logistics Innovation in the Mediterranean area

-  **University of Cagliari**
-  Chamber of Commerce, Industry, Crafts and Agriculture of Maremma and Tirreno
-  Arab Academy for Science, Technology and Maritime Transport
-  Confederation of Egyptian European Business Associations
-  Federation of Egyptian Chambers of Commerce - Alexandria Chamber
-  Lebanese Agricultural Research Institute
-  Chamber of Commerce, Industry and Agriculture of Beirut & Mount Lebanon
-  European School of Short Sea Shipping
-  Sfax Chamber of Commerce and Industry
-  University of Sfax

### PROJECT DESCRIPTION

Most Mediterranean sectors suffer from poor connections between research, development and education, from one side, and, the real economy, from the other side. Unfortunately, many tools used and developed by research and academic actors do not match with actual market needs. Ports are no exception to this situation. TECHLOG wants to strengthen ties between academia and the (trans)port industry (namely the transport inside port areas) in the Mediterranean region. Concretely, TECHLOG will encourage joint Technology Transfer Initiatives (TTI) to achieve common quality standards for transport and port specialized staff. A Mediterranean Open Lab will be created to promote and share those initiatives within the (trans)port communities. These TTI will

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be tested through pilot actions, in real port operators, and will involve trained staff. For the sake of efficiency and consistency, the project will focus on advanced simulation technologies which are, beyond the shadow of a doubt, among the key success factors for both port workers and port operators.

### OBJECTIVE

To strengthen research-industry links in the (trans)port sector by establishing a permanent cross-border EU-Med space where research organizations and (trans)port industries co-create, test and share new Technology Transfer Initiatives based on advanced simulation technologies.

### WHAT WILL BE IMPROVED?

The project will set in place a Cross-Border Med Open Lab aimed at facilitating knowledge sharing and joint technology transfer initiatives between academia and (trans)port industry in the field of advanced simulation for (trans)port and logistics staff. This will help trigger a knowledge-based development built around innovation and advanced simulation technologies that will contribute to the growth of the EU-Med trans(port) economy. Thanks to TECHLOG, (trans)port operators and institutions will be provided with a reference point to co-design and deliver technology transfer in real-life environment in order to improve (trans) port performance and competitiveness.

### WHO WILL BENEFIT?

- ✓ Port authorities
- ✓ Terminal operators
- ✓ Research centres in the field of advanced simulation
- ✓ Dockworkers

### EXPECTED ACHIEVEMENTS

- ✓ 2 Living Labs established to support technology transfer between research centers specialized in driving simulators and (trans)port communities
- ✓ 1 Training course for innovation trainers developed
- ✓ 10 representatives of transport institutions trained to become innovation trainers in their sector
- ✓ 16 (trans)port enterprises cooperating with research institutions to validate the developed TTIs

### MORE INFORMATION



**BUDGET** €3,8 million  
(90% EU contribution)

**DURATION** July 2021 - January 2024

**CONTACT** **Gianfranco Fancello**  
University of Cagliari  
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## GREEN-skills for a sustAiNable Development

-  **Region of Calabria**
-  Arab Academy for Science, Technology and Maritime Transport
-  European Regional Framework for Co-operation
-  Interbalkan Environment Center
-  ARCES Association
-  National Agricultural Research Center
-  Planning and Development Agency
-  Hisham Hijjawi College of Technology Nablus
-  University of Algarve

### PROJECT DESCRIPTION

The Mediterranean area suffers from extremely high rates of youth and female unemployment. To face this challenge, GREENLAND promotes social inclusion and fight against poverty by providing unskilled and underprivileged young people with marketable skills in the Green and Circular Economy, with the potential to generate thousands of jobs. To reach its objective, the project will focus on three aspects: training, sector skill alliances and policy-making innovation. First, the training will be tailored-made to women's and NEETs needs including mentoring and coaching. In addition, it will foster the cooperation between Technical and Vocational Education Training (TVET)

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organisations and SMEs to better fit the labour market needs. Finally, it will closely work with decision-making institutions through job shadowing to ensure better improvement in employment policies.

### OBJECTIVE

To increase the employability of NEETs (up to 30 years old) and women (all ages) by providing them with marketable skills and qualifications to prepare them for skill-based occupations within the Green and Circular Economy sectors and reduce skill mismatches in rural areas particularly affected by the climate change.

### WHAT WILL BE IMPROVED?

On the environmental side, the project will increase skills for a resource-efficient and inclusive Green Economy that ultimately contributes to combating climate change, reducing the mismatch between the labour market and skills. On the economic side, GREENLAND will support the engagement of NEETs and women to set up enterprises in the Green and Circular Economy sectors.

### WHO WILL BENEFIT?

- ✓ NEETs and women
- ✓ Local SMEs in the Green and Circular economic sectors
- ✓ Regional and local authorities

- ✓ Technical and Vocational Education and Training institutions (TVET)

### EXPECTED ACHIEVEMENTS

- ✓ 1 e-Learning project platform to engage 2,900 NEETs and women
- ✓ 210 national/cross-border traineeships in SMEs operating in the Green and Circular Economy sectors
- ✓ 18 job-shadowing for key staff of policy-making institutions

### MORE INFORMATION



**BUDGET** €3,8 million (90% EU contribution)

**DURATION** October 2020 - April 2023

**CONTACT** **Nicola Mayerà**  
Region of Calabria  
[n.mayera@regione.calabria.it](mailto:n.mayera@regione.calabria.it)





## Developing the INTERNISA network of synergies to increase the number of digitally skilled women employed in the ENI CBC MED territories via matching demand and supply in the labour market

- Region of Central Macedonia**
-  ActionAid Hellas
  -  Arezzo Innovazione
  -  Al-Balqa Applied University
  -  Chamber of Commerce, Industry and Agriculture of Beirut and Mount Lebanon
  -  ActionAid Palestine
  -  Catalan Youth Agency
  -  Andalusian Federation of Towns and Provinces
  -  SQLI Services

### PROJECT DESCRIPTION

The territories involved in the ENI CBC Med Programme suffer from high unemployment rate and low participation of women in the labour market. At the same time, job growth is hindered by the low penetration of digital innovation in Mediterranean territories which hampers the capacity of small enterprises to find access to know-how or venture capital for innovation. With the aim of providing training in digital skills to women and know-how about digitalization approaches to businesspeople, INTERNISA will combine training in the digital sector with professional development in the

### INDEX



agri-food, textile, tourism and financial sectors. To reach its objective, the project will develop online and offline services addressed to women and employers providing training curricula and personal consulting. Project activities will culminate with interventions related to match-making of labour demand and supply through an online platform and job fairs to foster contacts among job seekers and employers.

### OBJECTIVE

To bridge the digital gender gap and provide marketable digital skills in Mediterranean territories by developing a network and a portal that brings closer the demand and supply of the labour market, providing women with digital skills, and delivering professional training in the agri-food, financial, textile, and tourism sectors.

### WHAT WILL BE IMPROVED?

During the project, the INTERNISA network will foster the hiring of 400 women trained in digital skills through short-term crowdworking and traineeships and long-term full-time jobs. INTERNISA's impact is to provide an inexpensive and sustainable mechanism to ensure that businesspeople, women and public authorities have access to training and know-how to develop their digital skills.

### WHO WILL BENEFIT?

- ✓ 1,000 women and NEETs with free access to training resources on digital skills
- ✓ 800 businesses operating in the agri-food, tourism, textile and financial sectors
- ✓ 50 public sector employees offering policy knowledge on digitalization and women's empowerment

### EXPECTED ACHIEVEMENTS

- ✓ 400 women trained in digital skills hired
- ✓ 9 sets of online and offline training based on digital skills and innovations
- ✓ 1 online portal including labour supply and demand match-making mechanism + 1 mobile app
- ✓ 1 info point to access offline advising

### MORE INFORMATION



#### BUDGET

€3,8 million  
(90% EU contribution)

#### DURATION

October 2020 - April 2023

#### CONTACT

**Kallitsa Pantazi**  
Region of Central Macedonia  
[k.pantazi@pkm.gov.gr](mailto:k.pantazi@pkm.gov.gr)





MYSEA



## Mediterranean Youth, NEETs and women advancing Skills, Employment and Awareness in the blue and green economy



### Development Information and Education Center



University of Palermo - Department of Agricultural, Food and Forest Sciences



Eurotraining Educational Organization sa



Jordan University of Science and Technology



Lebanese Development Network



Tunisian Union of Social Solidarity

### PROJECT DESCRIPTION

Given demographic changes, skill mismatches, rigid regulations, gender gaps and persistence of certain socio-cultural norms, the Euro-Mediterranean region faces high unemployment rates of youth, mainly NEETs, and women who are underrepresented in the labour market. The growing proliferation of sustainable and eco-responsible innovations in the agri-food and waste management sectors requires new occupational profiles. To achieve this goal, MYSEA aims, from one side, to identify existing and emerging skills and professional needs through oriented training, coaching and mentoring, and from the other side, to involve Technical and Vocational Education and Training (TVET) institutions and enterprises

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encouraging sector-skills alliances through apprenticeship, traineeship and on-the-job training. The project will result in opportunities for young women and NEETs to apply the soft and hard skills learned during the training period and offer a platform to exchange experiences and implement national support schemes in favour of youth employment.

### OBJECTIVE

To increase the employability of young people, women and NEETs in the agri-food and waste management industries by developing training oriented to both sectors and strengthening local governance and sector-skills alliances between economic actors and TVET institutions to align the education curricula with sectors' needs.

### WHAT WILL BE IMPROVED?

MYSEA responds to youth unemployment by transforming borders into a possibility for cooperation and development. It brings 6 partners to identify and address common challenges and opportunities. Partners across borders will exchange knowledge, good practices and experiences, and foster commitment and ownership of project results and impacts. They will contribute to the establishment of a common-region identity. The project will increase the capacity of TVET institutions to implement national employment schemes in favour of youth employment.

### WHO WILL BENEFIT?

- ✓ Young people (from 18 to 24 years old)
- ✓ NEETs (up to 30 years old) and women (all ages) with fewer career opportunities
- ✓ Business actors and non-governmental actors involved in the agri-food and waste management industries
- ✓ TVET institutions in the agri-food and waste management sectors

### EXPECTED ACHIEVEMENTS

- ✓ 15 training packages on transversal, digital and sector-oriented skills
- ✓ 100 mobile-friendly micro-learning to self-directed learning
- ✓ 15 associations launched to promote sustainable and eco-responsible innovation
- ✓ 450 potential employment contracts

### MORE INFORMATION



#### BUDGET

€3,7 million  
(90% EU contribution)

#### DURATION

October 2020 - April 2023

#### CONTACT

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Development Information and Education Center - CIES  
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## Supporting Circular Economy Opportunities for Employment and Social Inclusion

- Waste Agency of Catalonia**
- Training and employment labour insertion company
- National Technical University of Athens
- Organization Earth
- Italian Composting and Biogas Association
- PIN S.c.r.l. Scientific and Educational Services for the University of Florence
- EDAMA Association for Energy, Water and Environment
- René Moawad Foundation
- House of Water and Environment
- Tunisia Ecotourism

### PROJECT DESCRIPTION

The high rate of youth unemployment, in particular NEETs and women, in the Mediterranean basin has economic and social consequences that are not specific to one country, but rather impact all Mediterranean countries. These groups share common challenges like lack of education, unequal access to education and employment, mismatch of their skills with the needs of the labour market, and they suffer a difficult transition from school to work. SIRCLES partners want to explore new employment opportunities by applying the circular economy model to the biowaste sector. The project will mainly focus on developing new capacities oriented to business development and separation, collection, composting and

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agriculture processes. The training will be tested through 7 pilot projects that address the hotel, food retail and household sectors, adjusted to the diverse local contexts of each territory involved in the project. Consequently, SIRCLES will contribute to the creation of green jobs by involving the most vulnerable sectors of the population and supporting environmental sustainability.

### OBJECTIVE

To increase green employment opportunities by providing skills to NEETs and women based on circular economy business models applied to the hotel, food retail and household sectors.

### WHAT WILL BE IMPROVED?

It is estimated that over 100 new jobs will be created directly by the project whilst job creation is expected to increase by 20% 5 years after the project completion. Pilots will continue developing circular economy business models, serving as training platforms, even after the project ends, for an emerging sector that is foreseen to create more opportunities in the future. Finally, the project will promote job placements for vulnerable groups in new services created by the partners, mainly related to waste management and farming.

### WHO WILL BENEFIT?

- ✓ Unemployed women of all ages and NEETs of 18–24 years at risk of exclusion

- ✓ Municipalities and employment services
- ✓ Technical and vocational education and training (TVET) institutions
- ✓ Accommodation, farming, tourism, food retail sectors and waste management companies

### EXPECTED ACHIEVEMENTS

- ✓ Local Strategic Alliance for circular economy and social inclusion set up and involving 21 organisations
- ✓ 5 curricula focused on skills development and training
- ✓ 7 pilots based on composting plants and organic farming sites
- ✓ 200 contracts for logistic operators and composting managers, technical promoters, and socio-labour insertion of technicians in the circular biowaste management loop

### MORE INFORMATION



**BUDGET** €3,8 million (90% EU contribution)

**DURATION** February 2021 - August 2023

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## Increasing the Employability of NEETs by tackling the skills gap for the Sports Sector

### Development Agency of Evia SA

TREK Development of Infrastructures and Services SA

International Cooperation South South

René Moawad Foundation

Malta Football Association

Salfit Development Association

Palestine: Sports for Life

Catalan Association Cluster of Sports Industry

### PROJECT DESCRIPTION

In the Mediterranean region, youth unemployment is twice as high as adult unemployment. In the Southern Mediterranean, young people are three times more likely to be out of a job than adults (International Labour Organisation, 2017). Contrarily, prominent sectors, like the sports industry, face challenges finding the right skills for their rising needs. Responding to this challenge, Skills4Sports aims to increase the employability of NEETs by tackling the skills gap in the sports sector. It will create new curricula in sports-related professions including both athletics-related ones (coaches, physicians, etc.) and business-

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oriented ones (merchandising, marketing, administration, event management). This analysis based on skills gap will result in electronic tools (e-learning platform, mobile app and social-media app) addressed to youth and in a network “Strategic Alliance for Skills4Sports” dedicated to key sport stakeholders reducing the skills’ mismatch and offering new job opportunities to NEETS.

### OBJECTIVE

To increase the employability of NEETS of the Mediterranean area in the sports sector, by developing new professionals, reducing the mismatch of skills and involving key stakeholders.

### WHAT WILL BE IMPROVED?

Skills4Sports will increase capacities of the NEETS to find better jobs with more than 200 job contracts expected thanks to the adjustment of skills’ mismatch between offer and demand. The transnational nature of the sport industry will contribute to pursue careers across borders, including international events, mobility of employees and multicultural working environments with the support of stakeholders involved in the Strategic Alliance for Skills4Sports.

### WHO WILL BENEFIT?

- ✓ 1,200 NEETs trained in professional skills for the sport industry
- ✓ 60 sports industry employers and stakeholders
- ✓ Public authorities
- ✓ NGOs and social organisations

### EXPECTED ACHIEVEMENTS

- ✓ 9 new curricula for sports professionals
- ✓ 3 electronic tools for e-learning and gamification
- ✓ 240 training days for final beneficiaries
- ✓ 1 Strategic Alliance for Skills4Sports

### MORE INFORMATION



#### BUDGET

€2,9 million  
(90% EU contribution)

#### DURATION

July 2020 - January 2023

#### CONTACT

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## Youth Employment in Ports of the Mediterranean

### European School of Short Sea Shipping



Port Authority of Barcelona - Port of Barcelona



Valenciaport Foundation



Arab Academy for Science, Technology and Maritime Transport - Port Training Institute



Damietta Port Authority



Marseille Fos Port



Port Authority System of Center-North Tyrrhenian sea



Aqaba Development Corporation



Chamber of Commerce, Industry & Agriculture of Beirut & Mount Lebanon



The Mediterranean Institute of Maritime Training



Merchant Marine and Ports Authority of Tunisia



### PROJECT DESCRIPTION

Ports connected to international trade, environment and sustainability, digitization, port logistics and transport networks are currently one of the main focuses of job creation in the Blue Economy sector. Additionally, the ports ecosystem has a high concentration of companies that are usually bigger than in other sectors, allowing for a greater jobs absorption capacity. This potential could be better exploited through dedicated dual Technical and Vocational Education and Training (TVET) with job-oriented placement schemes addressing NEETs in the Mediterranean region. Facing this challenge, YEP MED proposes to enrich the TVET offer by developing three main areas with skills shortages: foreign trade, environment and sustainability, digitization and port logistic operations. The

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project will develop port-logistics TVET resources adapted to the sector needs, launch learning programmes with job placement programmes and set up partnerships between key stakeholders in the 7 involved countries. YEP MED will adapt 9 training curricula to the actual needs of the productive sectors, introducing personalized monitoring to students and creating training courses that address environmental issues.

### OBJECTIVE

To better match the labour market skills needs and dual TVET offers in the Mediterranean port industry in order to contribute to jobs creation, especially for NEETs and women.

### WHAT WILL BE IMPROVED?

YEP MED activities will allow upgrading dual TVET curricula oriented to port industry, increasing job placement and employment opportunities with adequate and diverse profiles for NEETs and women. As a result, the project will help increase employment rates of young people and women by offering real possibilities to work through personalised mentoring (training centers) and tutoring programmes (SMEs staff). As a result, there will be an increased need for more stable collaboration scheme between TVET providers, private sector representatives and public administrations both at local and international levels.

### WHO WILL BENEFIT?

- ✓ Young people, mainly NEETs, and women
- ✓ 7 Port Authorities and logistic centers
- ✓ 14 TVET providers and training centers
- ✓ 600 SMEs and companies operating in Mediterranean ports

### EXPECTED ACHIEVEMENTS

- ✓ 9 adapted TVET curricula
- ✓ Training of 4,650 NEETs and women
- ✓ Collaboration with at least 600 companies in 7 countries
- ✓ 420 enterprises receiving subgrants for mentoring support

### MORE INFORMATION



#### BUDGET

€2,9 million (90% EU contribution)

#### DURATION

September 2020 - March 2023

#### CONTACT

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## Mediterranean Basin Reuses

-  **Sanitation Córdoba - SADECO**
-  National Association of Public Environmental Enterprises
-  Municipality of Capannori
-  Reggio Children Foundation - Loris Malaguzzi
-  Ministry of Local Administration
-  New Deir Allaa Municipality
-  Municipality of Sakiet Ezzit
-  National Agency for Waste Management

### PROJECT DESCRIPTION

The Mediterranean area faces, on the one hand, a significant waste production and land-filling, and on the other hand, the production of huge quantities of reusable goods prematurely disposed for recycling, consequently maintaining the old linear economy of “produce, use and throw away”. With the aim of promoting the culture of reuse for environmental sustainability, green employment and solidarity, REUSEMED proposes to create municipal networks based on reuse circuits for home appliances, furniture, books, clothes, Waste Electrical & Electronic Equipment and food. To set up the networks, 4 cities in Spain, Italy, Jordan and Tunisia will design and test composting installations, food collection points in markets, repair and reuse centers, reuse corners in shops and repairing cafés. Moreover, an APP solution will inter-

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connect managers and users of the different circuits. Even if promoted by the local administrations in charge of waste management counting with the involvement of local stakeholder organizations, it is expected that the reuse networks will become self-sustainable in the mid-term, when revenues out of the sales of repaired products can finance the human resources and the maintenance of the infrastructures.

### OBJECTIVE

To contribute to environmental protection in the Mediterranean area through the reduction of all fractions of municipal waste, via reuse networks, sociological changes in the consumption patterns and improved waste management policies.

### WHAT WILL BE IMPROVED?

The implementation of the reuse networks will allow mutual learning and improvement of local waste management plans towards capacity-building around reuse. In the mid-term, the project will reinforce the technical and operational capacities of partner municipalities and stakeholders, improve citizens’ awareness about unsustainable consumption and create new green jobs. In the long-term, it is expected to create full-time jobs and to increase local employment opportunities thanks to the training on repair, reuse and composting delivered during the project. Finally, residents will increase their skills in terms of self and community composting.

### WHO WILL BENEFIT?

- ✓ Residents and visitors
- ✓ District associations
- ✓ Local businesses, markets and hotels
- ✓ Public authorities in charge of waste management in the partner cities

### EXPECTED ACHIEVEMENTS

- ✓ 32 reuse circuits developed, 8 per partner city, covering the different fractions of waste
- ✓ 13 food collection points in markets
- ✓ 31 reuse corners in shops for exhibition of reusable products
- ✓ 1 APP solution connecting users and managers of the reuse networks

### MORE INFORMATION



**BUDGET** €3,2 million  
(90% EU contribution)

**DURATION** July 2020 - 31 December 2022

**CONTACT** **Jesús Diz**  
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## High Energy efficiency for the public stock buildings in Mediterranean



**National Association of Italian Municipalities Tuscany**



Regional Agency Resources Recovery



Federation of Egyptian Chambers of Commerce - Alexandria Chamber of Commerce



Confederation of Egyptian European Business Associations



National Technical University of Athens



Royal Scientific Society/National Energy Research Center



Municipality of Jounieh



Andalusian Energy Agency



National Federation of Tunisian Cities



Municipality of Mnihla

### PROJECT DESCRIPTION

The building sector is the largest energy consumer in the Mediterranean area. Most buildings are energy inefficient as lack of interventions over time have led to increase annual energy consumption and CO2 emissions. To tackle these common challenges, SOLE supports cost-effective and innovative energy rehabilitations of public buildings. Through knowledge sharing on energy rehabilitation, the partners will define local plans adapted to each of the participating territories where pilot actions will be implemented. Besides these pilots, in order to reduce building energy consumption, SOLE will also intervene at two levels. First, by encouraging behavioral change in people, inspired by an Interreg experience (REBUS project). Secondly, by impacting on local policies through lobbying and

advocacy to integrate the pilots' results in relevant policy frameworks.

### OBJECTIVE

To develop joint strategies supporting cost-effective and innovative energy rehabilitations of public buildings in seven Mediterranean countries via pilot actions, by promoting technical knowledge sharing and capacity building for behavioural change to improve energy performance and developing local and joint policy recommendations for energy renovations of public building, replicable in other Mediterranean areas.

### WHAT WILL BE IMPROVED?

SOLE's partners share common challenges such as climate conditions, building stock characteristics and energy consumption. There is a need for a public driven approach to plan and implement sustainable energy policies and action plans. Through its activities, the project will contribute to increase the penetration of renewable energies in the energy mix, improve people's behaviours in energy use and support policy reforms in the rehabilitation of public buildings and energy efficiency.

### WHO WILL BENEFIT?

- ✓ 120 public authorities at local, regional and national levels (associations of municipalities)
- ✓ 60 among energy agencies and energy providers

- ✓ 250 associations representing business in the construction sector (construction renovation companies, Energy Service Companies ESCOs, architects, engineering companies ...)
- ✓ 10 scientific community, research and academic organisations

### EXPECTED ACHIEVEMENTS

- ✓ Increased share of renewable sources in the energy mix by approximately 300,000 kWh
- ✓ Reduced emissions from public buildings by approximately 130 tons CO2/year
- ✓ Economic savings due to reduced energy consumption
- ✓ 7 pilot actions implemented to rehabilitate public buildings

### MORE INFORMATION



#### BUDGET

€3,6 million  
(90% EU contribution)

#### DURATION

July 2020 - January 2023

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