











## **ECOAZUL-MED**

## Aquaculture Sector: Implications for green/blue jobs

### **FUTURE CLIMATE CONDITIONS**



Atmospheric heat waves

Relative air humidity

Summer precipitation

% of days with heavy precipitation

Prolongation of summer thermal conditions

Sea-surface temperature

Marine heat waves

Sea-surface salinity

Changes in the magnitude of the velocity of ocean currents





### **ADAPTATION MEASURES**

### AQUACULTURE PROFESSIONALS

- Adequate locations
- Safer, sustainable infrastructures
- · Phytosanitary monitoring
- Coverage against climate risks
- Use of climate service tools or alert systems
- Ecosystem-based approach to aquaculture

### PUBLIC ADMINISTRATION

- Promotion of responsible consumption, labeling, and new species
- Phytosanitary monitoring of cultivated species
- Protection of *Posidonia* oceanica reefs
- Feeding systems without oils or flours and with low carbon footprint

### R&D

- New tools for site selection
- Boosting research
- Generation of new materials
- Protection of *Posidonia* oceanica reefs
- Research on new feeding systems without oils or flours and with low carbon footprint

#### **CITIZENSHIP**

- Introduction of new species in the diet
- Responsible consumption of products from cultivated spieces



Implications for green & blue jobs

Green jobs are decent jobs that contribute to preserve or restore the environment, be they in traditional sectors such as manufacturing and construction, or in new, emerging green sectors such as renewable energy and energy efficiency

Blue jobs are based on the promotion of the employability for the protection and environmental sustainability of marine spaces in the development of jobs that respond to social and environmental justice

Adaptation measures to promote a sustainable and resilient aquaculture sector in the region require an empowerment of green and blue jobs. Some examples are professionals on:

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# Renewable energy engineering profiles for solar thermal plants, wind farms, for e.g., offshore aquaculture



### **Education in sustainability**

trainings regarding the adoption of farming technologies, cleaner production, food loss and waste in food systems etc.



### R&D+i

to develop resistant and sustainable materials for infrastructures, tools for site selection, new feeding systems etc.



### **Energy services**

aim to improve the efficiency of companies, institutions or citizens



#### Consulting, engineering and environmental audit

calculation of carbon footprint, development of energy efficiency products, reduction of pollutants



Scientific dissemination



Pollution evaluation, control and prevention



### Ecopreneurship

self-employment of people who support the green philosophy



### Ecodesign

to achieve products with greater energy efficiency, recyclability, lower material consumption, a longer useful life and a zero ecological footprint



### Waste

management, treatment and purification of waste derived from farming











