

International learning Camp Blue Growth Sector Session - Blue BioTech 26 March 2021

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The state of the Art of Blue Bio Technology in Alentejo/Portugal

Blue Biotechnology in Portugal.

+ 20 knowledge centers in marine biotechnology spread throughout the country

Highly qualified human resources

Relationship between the R&D centers and industry

Blue Biotechnology in Portugal.

National R&D centers have been initiating seaweed production projects

Demand for marine products for food, cosmetics and pharmaceuticals, and given the good and small bulky algae, this can be an activity of interest even for small companies.

Promising experiments with algae for industrial deployment of CO₂ and for fuel production

Blue Biotechnology in Portugal.

Size of the sea under Portuguese jurisdiction and the potential that is already known, Portugal could be an important player in this industry in the future.

There are some companies in Portugal positioned in some of these areas, but there is much more to be done...

Use of fish waste and other species we use in our food, algae production (...)

National Strategy for the Sea 2021-2030

PRIORITY AREAS FOR ACTION:

AI1. Science and Innovation

AI2. Education, Training, Culture and Ocean Literacy

AI3. Biodiversity and Marine Protected Areas

AI4. Bioeconomy and Blue Biotechnology

AI5. Fisheries, Aquaculture, Processing and Marketing

AI6. Robotics and Digital Technologies

AI7. Ocean Renewable Energy

AI8. Tourism, Recreation and Sport

AI9. Ports, Maritime Transport and Logistics

AI10. Shipyards, Shipbuilding and Repair

AI11. Coastal Management, Works and Infrastructure

AI12. Non-Living Resources

AI13. Maritime Security, Defence and Surveillance

Blue Biotechnology in the Alentejo

In Alentejo the blue biotechnology sector is a underdeveloped sector. Some R&D activities have been carried out in the area of barnacle aquaculture, the results of which show a relatively high potential. There is considerable marine biodiversity in Alentejo, due to its geographical and bio-geophysical conditions, which can be used as raw material for various industries.

Blue Biotechnology in the Alentejo

CIEMAR - Laboratory of Marine Sciences of the University of Évora

Develops several research projects of blue biotechnology, particularly in the following areas:

- Coastal ecology
- Biology and conservation of marine living resources
- Marine pollution

MARE - Marine and Environmental Sciences Centre

Integrative and holistic approach, concentrating a wide diversity of expertise, skills, and capabilities.

Nationwide territorial implementation

Develops its activities oriented to societal challenges, in close partnership with national and international research centers.

MARE - Marine and Environmental Sciences Centre

517 investigadores
255 Ph.D
49 técnicos e administrativos



In: Évora University

MARE - Marine and Environmental Sciences Centre

MARE combines technical and scientific expertise to address all types of aquatic ecosystems, river basins, coastal systems and ocean in a current context of regional and global changes and cumulative anthropogenic impacts.

Blue Biotechnology is one of the research thematic in **MARE**



Project co-financed by the European
Regional Development Fund

Thank you for your attention

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