

BIOASIS Gran Canaria –
Hub of Blue biotechnology and Aquaculture





What is “BIOASIS Gran Canaria”?



Joint initiative of the **Cabildo of Gran Canaria**, **Government of the Canary Islands** and **University of Las Palmas de Gran Canaria** with the aim of promoting the sector of marine biotechnology and aquaculture in the Island.

The Platform is managed through the **ECOAQUA University Institute** and the **Spanish Bank of Algae (BEA)**, attached to the **Scientific-Technological Park Foundation of Gran Canaria (FPCT)**, the **Canary Island Technological Institute (ITC)** and the **Corporation for the Economic Promotion of Gran Canaria (SPEGC)**.

BIOASIS

GRAN CANARIA

HUB OF BLUE BIOTECHNOLOGY AND AQUACULTURE

**OPTIMAL
ENVIRONMENTAL
CONDITIONS AND
BIODIVERSITY**

**R&D CAPABILITIES
AND INTERNATIONAL
EXPERTISE**

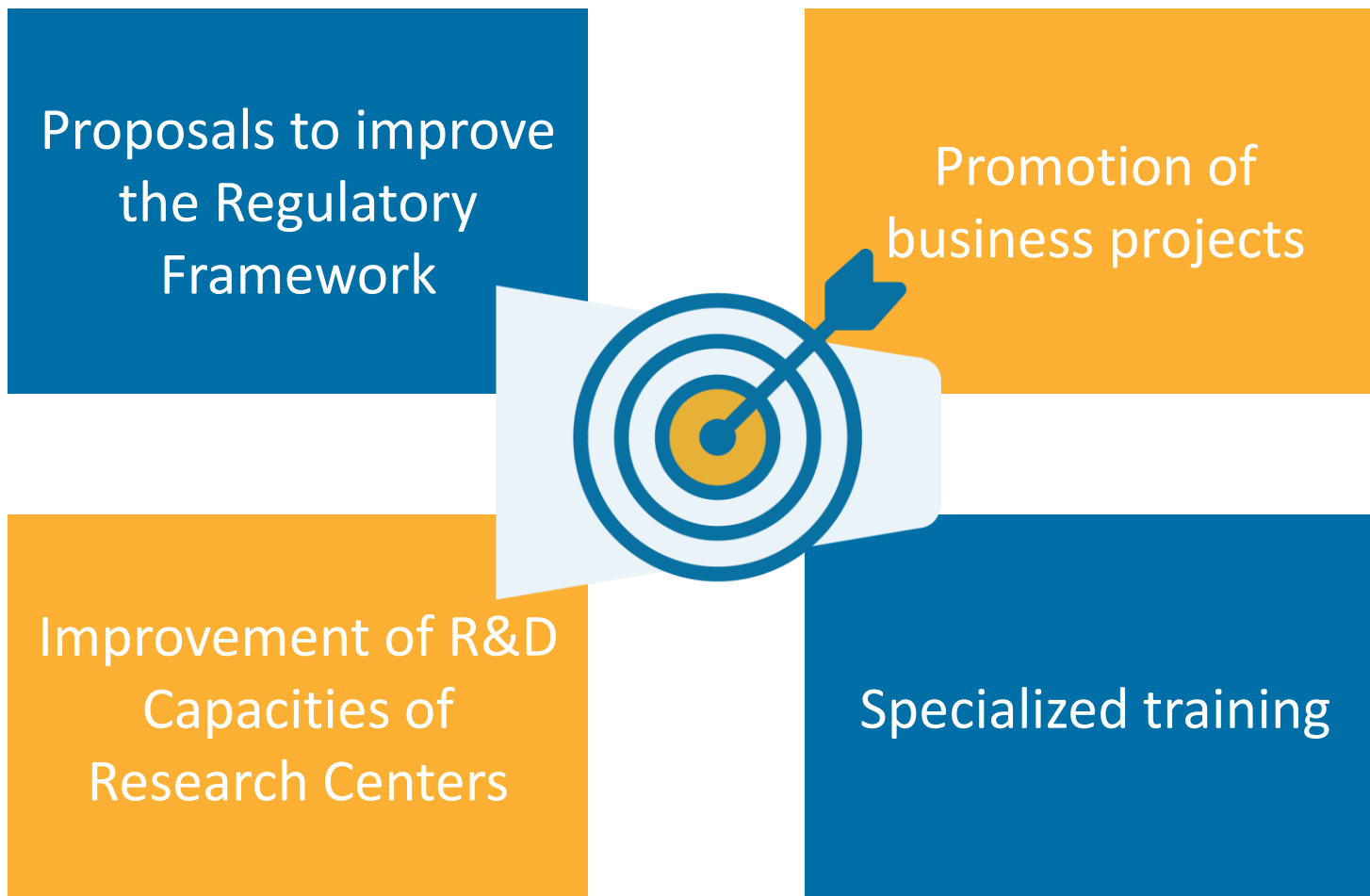
**AREAS FOR
EXPERIMENTAL
ACTIVITIES AND
SOFTLANDING**

**SPECIFIC AND
USER-FRIENDLY
REGULATORY
FRAMEWORK**

**FAVORABLE
TAXATION AND
BUSINESS
INCENTIVES**



Strategic lines



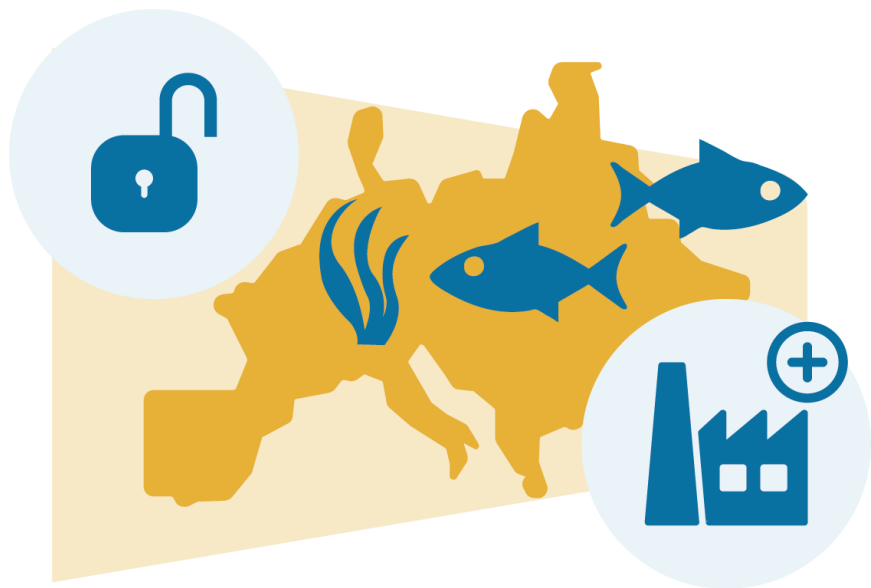


Context: "the challenges and opportunities"

Needs

Opportunities

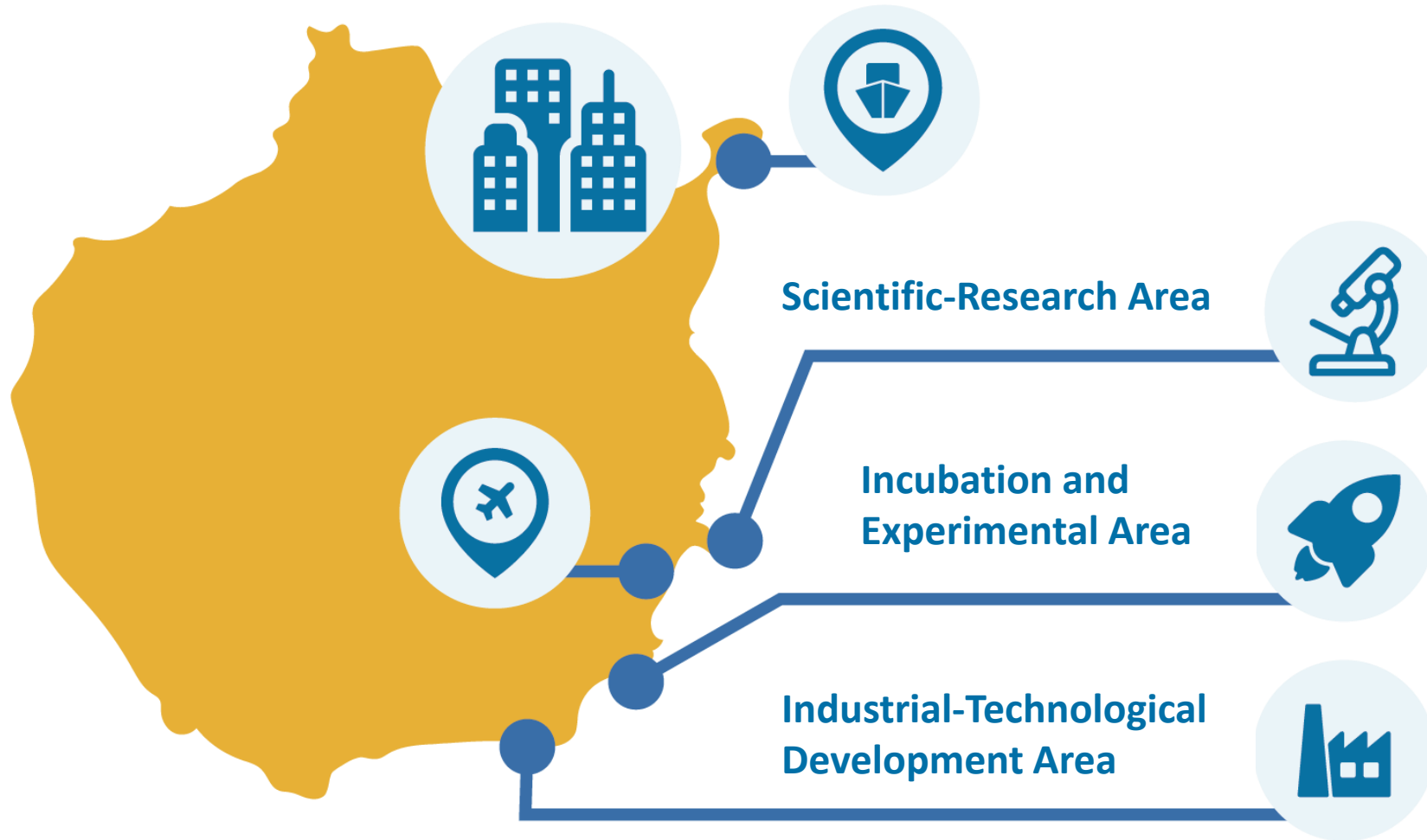
- Unlock administrative obstacles
- Increase public support for private initiatives
- Increase the number of operators



- Trend for continental aquaculture
- Applications in different industries; blue growth
- Demand for food of marine origin



Multi-site Platform of Gran Canaria



TALIARTE

SCIENTIFIC-RESEARCH AREA

BIOASIS
GRAN CANARIA



- Marine Scientific-Technological Park
- IU-ECOQUA
- Spanish Bank of Algae



Parque Científico Tecnológico
Universidad de Las Palmas de Gran Canaria

- Integrated by 4 Research Groups that cover a total of 11 lines with more than 20 full-time researchers, in the facilities of the Technological Marine Park of Taliarte.
- Extensive experience in international research projects in cooperation with universities and companies.
- The Aquaculture Research Group (GIA) has the High Specialization Aquaculture and Biotechnology Service (SABE).

Specialized services:

Gia-gen[®]

GIA-qualities[®]

GIA-aquaria[®]

GIA-feed[®]

GIA-histopath[®]

GIA-biochem[®]

GIA-culture[®]

GIA-mesocosm[®]





Spanish Bank of Algae (BEA-FPCT-ULPGC)

- Collection of 1700 strains of microalgae and cyanobacteria with potential to be used in products with applications in food, cosmetics, nutraceuticals, etc.
- Accredited as an international authority for the deposit of microorganisms subject to patents.
- Team consisting of 15 people including doctors, graduates and technicians specialized in seaweed conservation and biotechnology.
- Modern laboratories from which highly specialized products and services are offered to third parties.

Specializations:

BIOPROSPECTION

ISOLATION



IDENTIFICATION

BIOACTIVITY



BIOTECHNOLOGICAL
CHARACTERIZATION





itc INSTITUTO TECNOLÓGICO
DE CANARIAS

- Global Plot of 10Ha
 - ITC Biotechnology Department
 - Dept. Water and energy ITC
-
- EERR Self-consumption
 - Comprehensive Waste Management System
 - Processing Plant with registered sanitary registration
 - Cultivation of microalgae: 20,000 m²
 - Growth forecast in annexed lands: + 20Ha of cultivation

Dept. of Biotechnology of the Technological Institute of the Canary Islands (ITC)

- 25 years developing culture techniques for microalgae species of high commercial value.
- It provides services to biotechnology companies that will be dedicated to the production or processing of microalgae in their facilities, giving them support, technical and logistic support.
- Wide offer of technology transfer.

Specializations:

VALORIZATION OF
NATIVE SPECIES

GROWING BIOMASS
CULTIVATION

BIOMASS
PROCESSING

DESIGN OF
NEW PRODUCTS





- Global plot of 115,000 m² (72,000 m² available)
- PHASE I: 66,500 m² (Experimental Area)
- PHASE II: 5,500 m² (Incubation Area)
- PHASE III: + 43,000 m² (Extension)

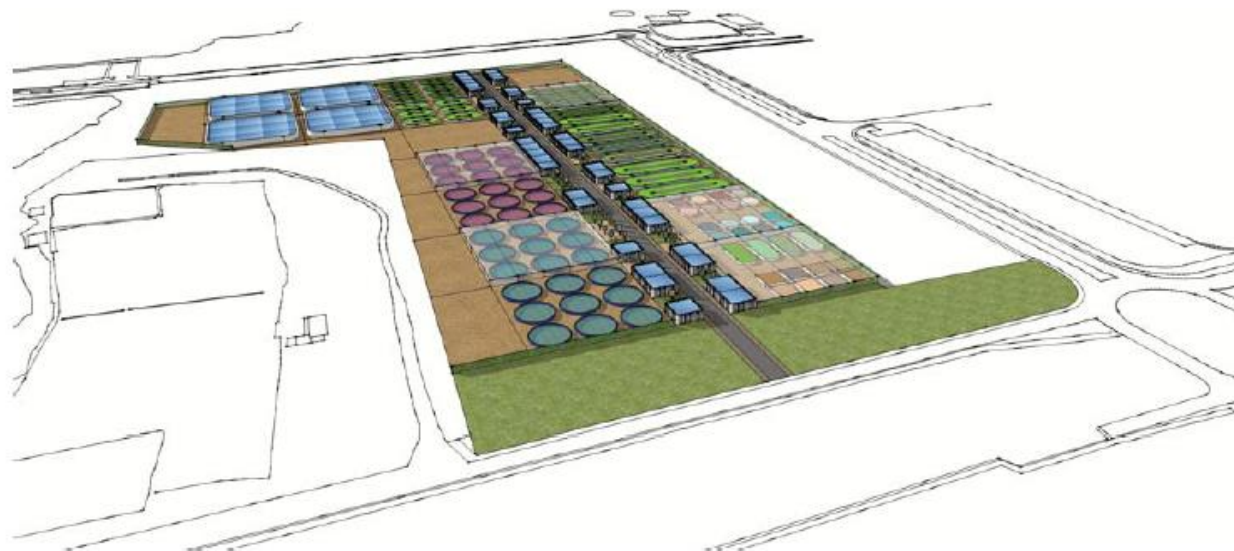


Project: Experimental and Incubation Area of Blue Biotechnology and Aquaculture

EXPERIMENTAL AREA

7 hectares qualified for aquaculture activity:

- Administrative authorizations
- Supply of all types of water
- Integral management of discharges



HIGH TECH INCUBATOR

High Technology Incubator for entrepreneurial initiatives in the sector.

Multipurpose building:

- Prototyping workshop
- Processing room and warehouse with sanitary registry
- Laboratories (wet / dry)



BIOASIS

GRAN CANARIA

Thanks!

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spegc

Sociedad de
Promoción Económica



UNIVERSIDAD DE LAS PALMAS
DE GRAN CANARIA



Fundación Parque Científico Tecnológico
Universidad de Las Palmas de Gran Canaria



ECOAQUA
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