



Bio-based revitalisation
of local communities

**Blue resources and circular economy pathways as a solution to improve social and economic sustainability.
Training directed to increase small-scale establishments in the bioeconomy.**



Funded by
the European Union

BlueRev Concept and Methodology



- Analysis of social innovation process
- Analysis of business models
- Analysis of the governance models
- Environmental assessment

- Repository of existing practices
- Alternative solutions
- Indicators



- Engagement of stakeholders in co-creation of nem solutions

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- Stakeholders Board Local actors (Pilot Regions)
- Workshops, web-based platform



- Case studies demonstration
Training/Coaching programme

- 3 Local workshops to transfer new solutions to all stakeholders
- 2 Best practices guidelines for small businesses



- Communication and Dissemination
- Replication throughout Europe

Prodotti alimentari, agricoltura, pesca

Oceans and fisheries

Scegliere un'altra lingua ▼

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Skills and career development

Our coasts and seas have the potential to deliver sustainable growth and jobs in the coming years and contribute towards the Green Deal objectives. This will only be possible if we invest in new, blue skills and career development.



- reduce skills gap between education offer and labour market needs
- improve communication and cooperation between education and industry
- improve the attractiveness and awareness of career opportunities in the blue economy
- improve the ocean literacy culture at the basis of it all

Actions

1. Blue careers in Europe



ACTING FOR THE MED SEA

The BlueMed Implementation Plan

Priority

exploring
the potential of
blue biotech



Operational receipts

Increase and improve the **knowledge** on the Mediterranean Sea
as a **source of new molecules and compounds**
deriving from marine microbes, algae, seaweeds and invertebrates to be used for
new drugs, functional ingredients for **human health, industry** and **environmentally-applicable** molecules or organisms.

Fostering **collaborative research**
through **transdisciplinary fields** of expertise (e.g. genomics, data bases, outreach, economics)
to evaluate Blue Biotechnologies for their **economic impact**
as a growing field, and promote:

- (I) the concept of **industry-academia partnerships** as a win-win collaborator
- (II) **education** through **training the next generation of marine biotechnologists.**

Create, improve, share or implement **dedicated regulatory frameworks and policies**
on the use and exploitation of Mediterranean Sea bio-resources and/or biomasses **for biotechnological purposes**
and to **share** such common policies and practices among all the actors of blue-biotech in the Mediterranean area.

Strategic Action

Panoramed Innovation Project on Blue Bioeconomy towards a strategic Alliance for Blue Bioeconomy in the Mediterranean

Promotional Actions

Thematic conference on Mediterranean Blue Biotech

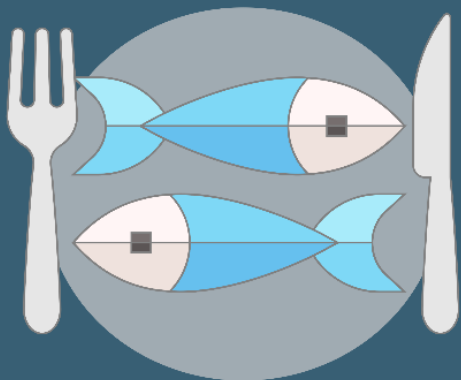
Training course on Blue Biotechnologies and Blue Bio-economy aiming at the creation of blue careers

ACTING FOR THE MED SEA

The BlueMed Implementation Plan

Priority

support solutions
for **sustainable**
production and consumption
of
food from the Sea



Operational receipts

Protect **marine biota**
as a new **source of proteins**
for human consumption

Develop **Mediterranean aquaculture**

Study the best processes to
adapt and diversify aquaculture
in a changing environment

Rethink the approach to the management of
by-products and by-catch

Assess **Fish Stocks** in a **holistic frame**
taking into account **climate change**
and **alien species diffusion**.

Strategic Action

Call of calls on biodiversity and resources

Promotional Actions

Capacity building activity on artisanal fisheries connecting with the possible scale-up of the BlueMed Start-up Action LabMaf

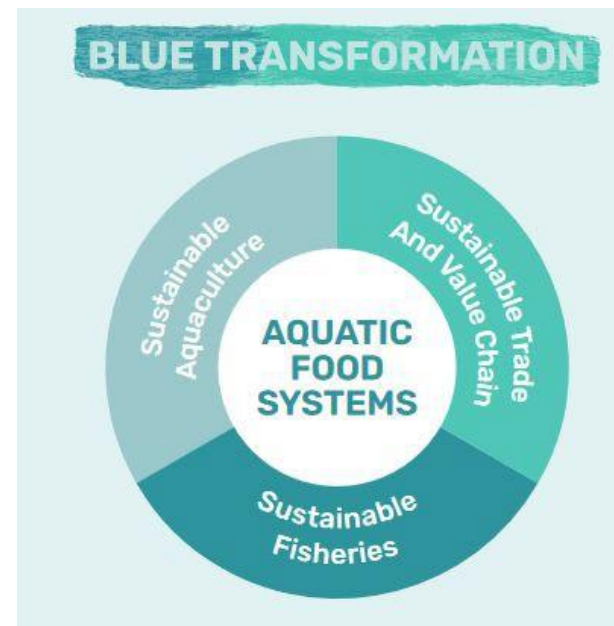
Workshops to share BlueMed information about production of food from the sea, consumption and security.

Coordination Workshop to develop Strategies and Plans designed for sustainable fishing, aquaculture and seafood

Exchange of best practices and dissemination between Mediterranean countries on good food practices to society

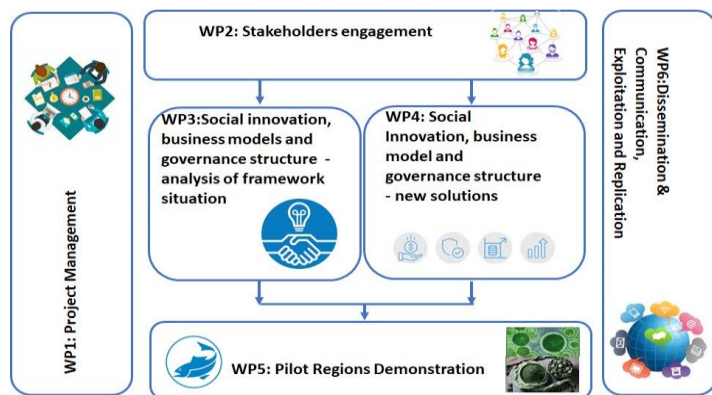


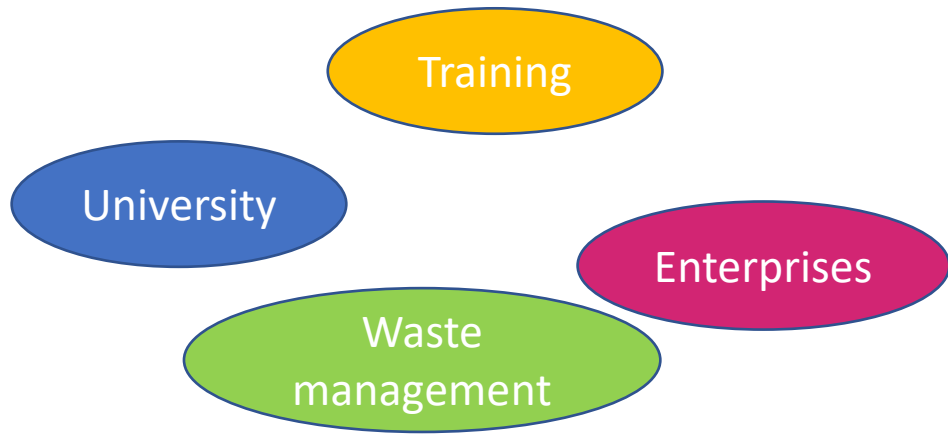
FAO Blue Transformation Roadmap 2022-2030



FAO Blue Transformation Roadmap 2022-2030

Bio-based revitalisation of local communities





Università degli Studi di Palermo



Pilot regions demonstration increased opportunities to develop skilled jobs

Task 5.2 Training programme to increase skilled jobs opportunities and small-scale establishments in the bio-based sector: (Task leader: UNIPA)

Pilot regions demonstration increased opportunities to develop skilled jobs

UNIPA - Training directed to increase small-scale establishments in the bioeconomy

Topic: best practices for characterisation and selection of fish by-products (FBP) and co-products (FCP) from fishery, aquaculture and processing plant, to be applied at industrial level (3 LESSONS).

Target participants: associations of producers (fishermen, fish processors, algae growers/collectors/processors).

UNIPA - Training/coaching programme to increase skilled job opportunities.

Topic 1: Methods for extraction of bioactive compounds from FBP and FCP from pilot to industrial scale (3 lessons).

Topic 2: Valorisation of bioactive compounds from FBP and FCP in cosmetics, nutraceuticals and pharmaceuticals (3 lessons).

Target participants: master and PhD students in chemistry, biochemistry, marine biotechnology.





APRE

Agenzia per la Promozione
della Ricerca Europea

EMÜ, UiA- Training directed to increase small-scale establishments in the bioeconomy and to increase skilled job opportunities.

Topic: Business development tools that students/employees in all disciplines can utilise to work systematically with operationalisation of the UN Sustainable Development Goals in their ideas and start-ups (3 lessons).

Target participants: master and PhD students in agro-food technology, economy, bioeconomy and associations of producers (fishermen, fish processors, algae growers/collectors/processors).

APRE- Training directed to increase small-scale establishments in the bioeconomy

Topic: empowering the small business with the knowledge, tools and practical examples of how to effectively communicate when addressing consumers (4 webinars).

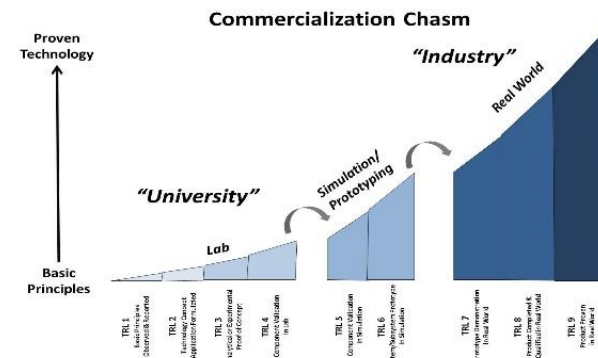
Target participants: associations of producers (fishermen, fish processors, algae growers/collectors/processors).



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Transfer of technology to the industry

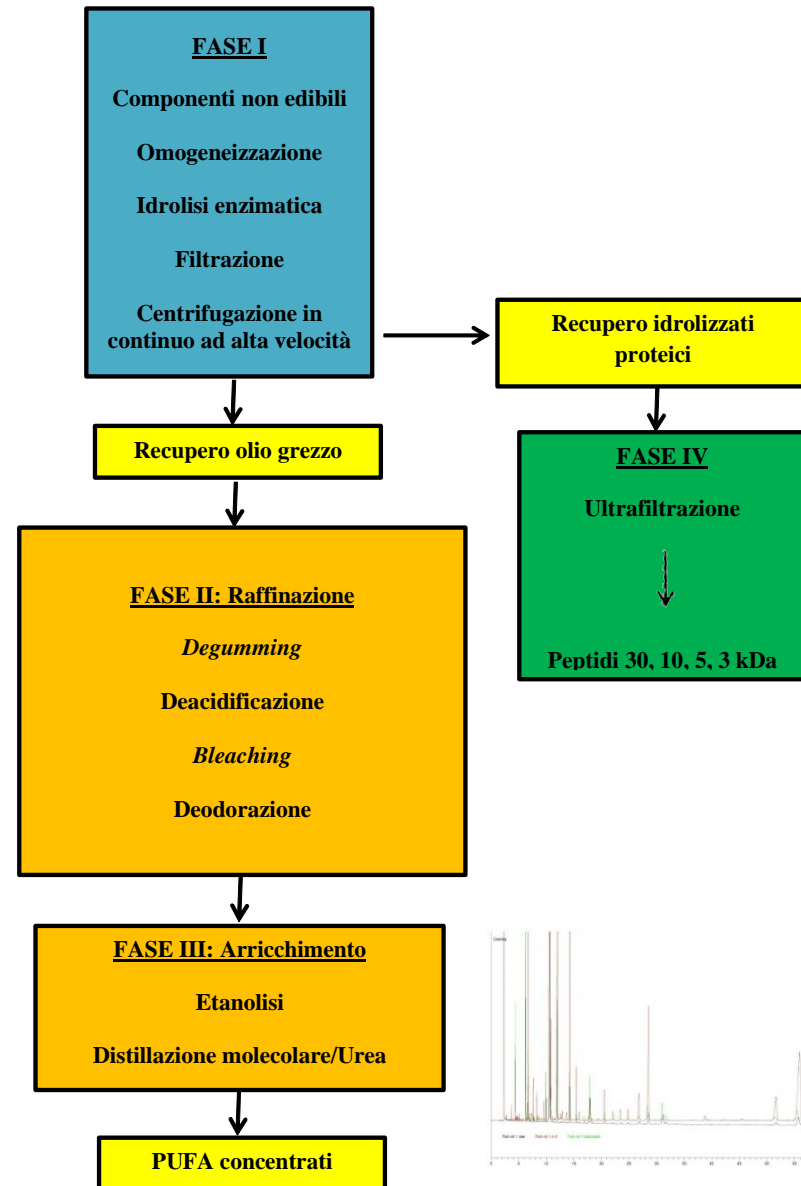


INDUSTRIAL PROCESS



By-products of farmed European sea bass (*Dicentrarchus labrax* L.) as a potential source of n-3 PUFA

Concetta M. MESSINA¹, Giuseppe RENDA², Laura LA BARBERA² & Andrea SANTULLI^{1,2}





GOAL



SKILLS



KNOWLEDGE



MENTORING



PRACTICE



OPPORTUNITY



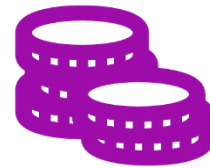
TRAINING



Social sustainability goals



Environmental goals



Economic goals





INTERNATIONAL PROJECTS



Biotechnologie marine vecteur d'innovation & qualité



Sécurité et qualité des produits aquacoles: le développement d'une voie commune tuniso-sicilienne



Méthodologies Durables pour la Réhabilitation et la Valorisation du Litoral Cotier



Le développement durable dans la production énergétique dans le territoire



Culture du bâti de qualité: Recherche, Innovation et Entreprise pour la Durabilité" (CUBATI)

TRAINING ACTIVITIES



Erasmus+



forthem.



UBO université de bretagne occidentale



ARISTOTLE UNIVERSITY OF THESSALONIKI



UNIVERSITAT DE VALÈNCIA



HORIZON-CL6-2021-GOVERNANCE-01-08

«Better understanding and intensified engagement in bio-based systems with fostering training and skills development -»



ITALIAN HUB

- social engagement,
- local specificities (marine resources)
- implementation of sustainable bio-based value chains
- social innovation inclusion of marginalised groups

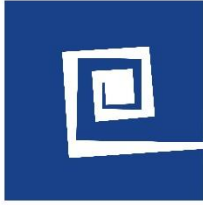




A Transnational movement to support the sustainable transition towards a healthy and Eco-friendly Agri-Food System through the promotion of MEDIET and its lifestyle in modern society



Modern & optimized MedFood recipes and tailored MedLifestyle programs



APRE

Agenzia per la Promozione
della Ricerca Europe



ARIBiotech

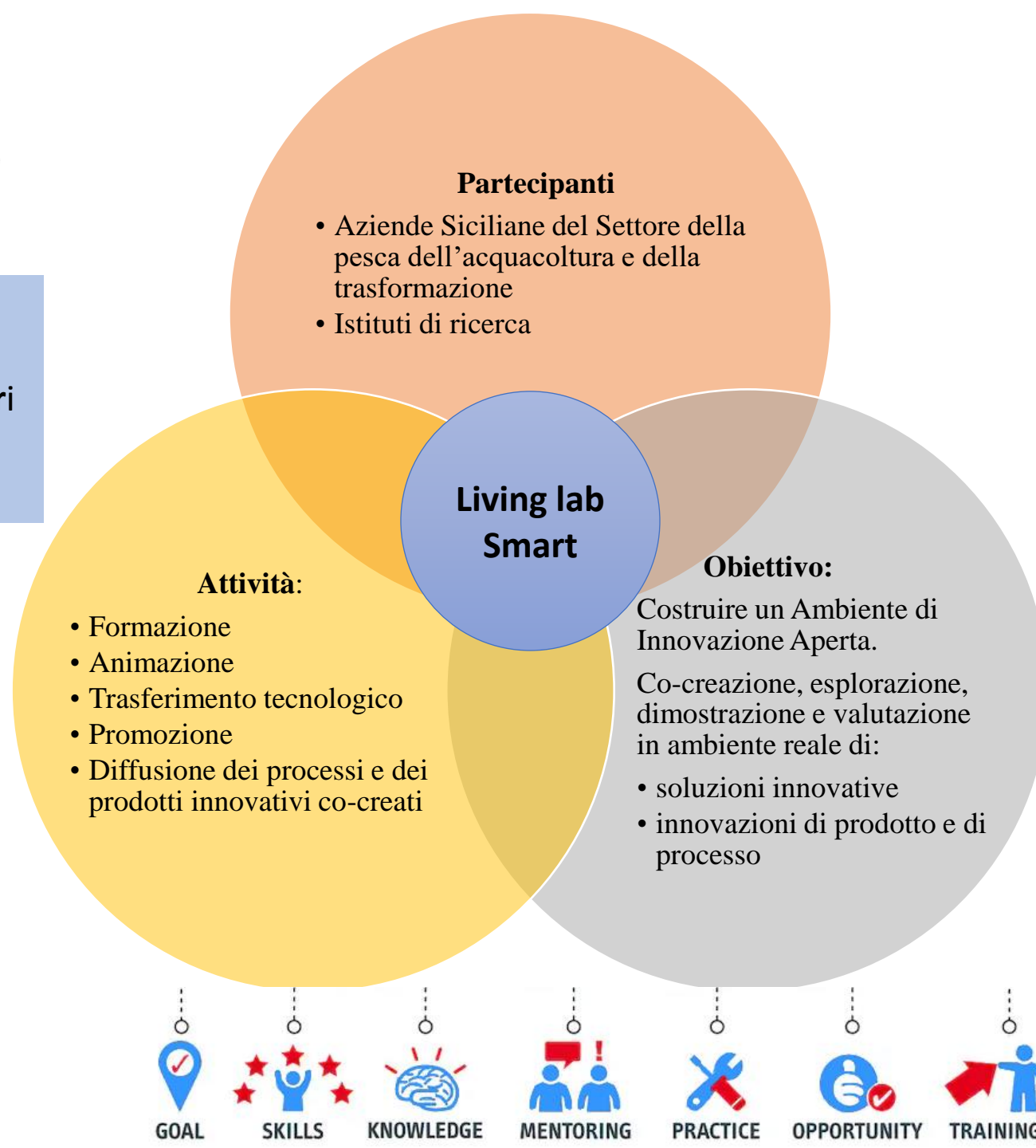
Alliance de R&I en Biotechnologie bleue
pour la valorisation des déchets marins

ES2141



Living lab Smart

innovazione e sostenibilità
ambientale delle
produzioni alimentari
da organismi acquatici in
Sicilia



LivingLAB

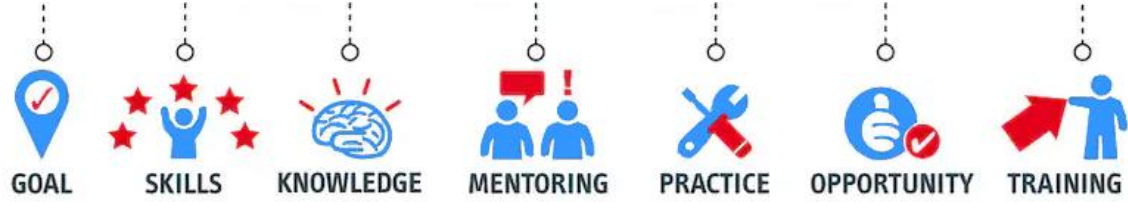
ecosistemi open e centrati sull'utente, in grado di accelerare l'adozione su larga scala di tecnologie innovative e servizi co-creati con gli utenti stessi (Commissione Europea).

- Approccio sperimentale in un contesto di vita reale;
- Partecipazione e coinvolgimento degli stakeholder;
- Collaborazione e co-produzione di conoscenza.



Design thinking, co-creazione, approcci partecipativi, spazio open





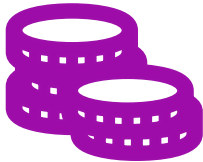
Living lab Smart



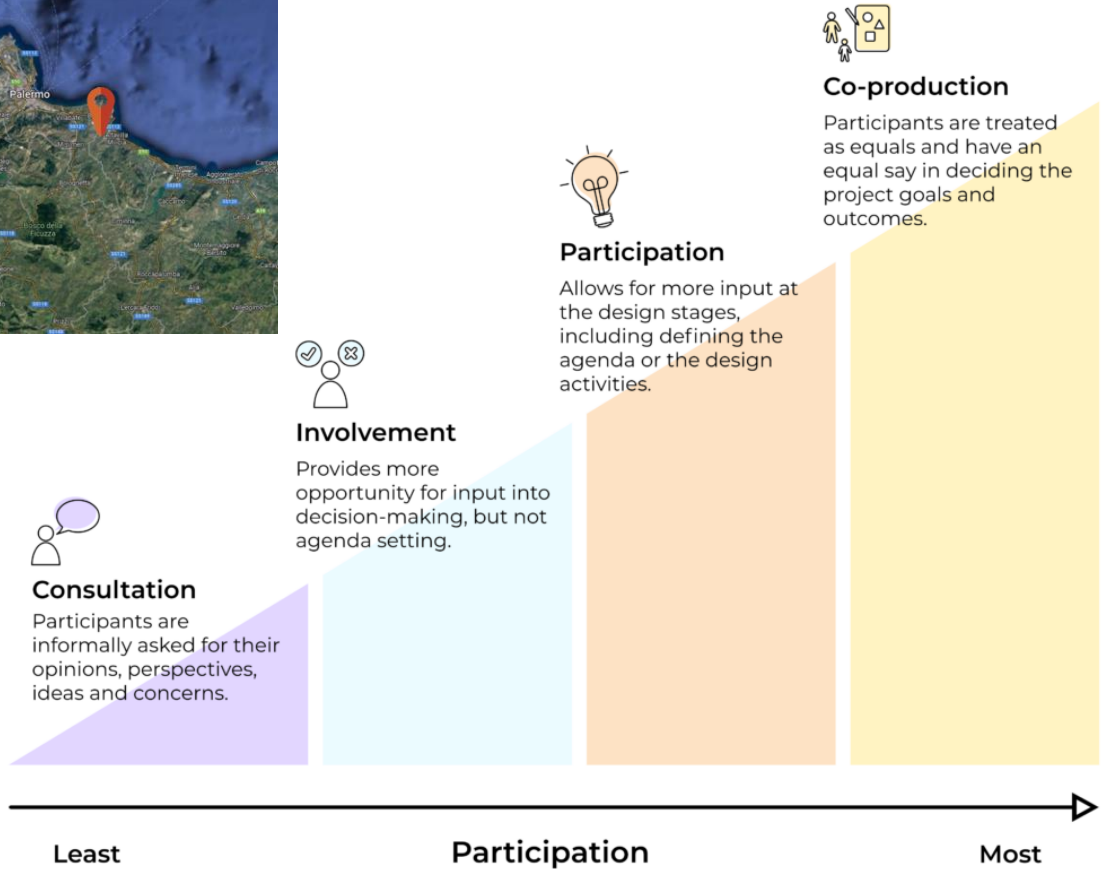
Social sustainability goals



Environmental goals



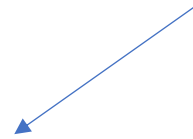
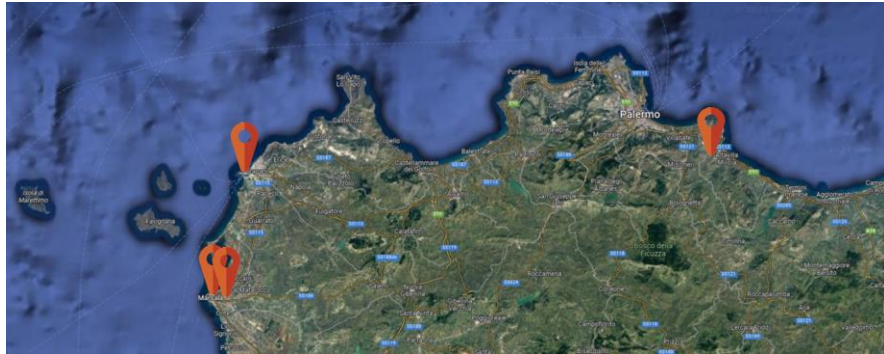
Economic goals





INNOVITTICA

Living lab Smart

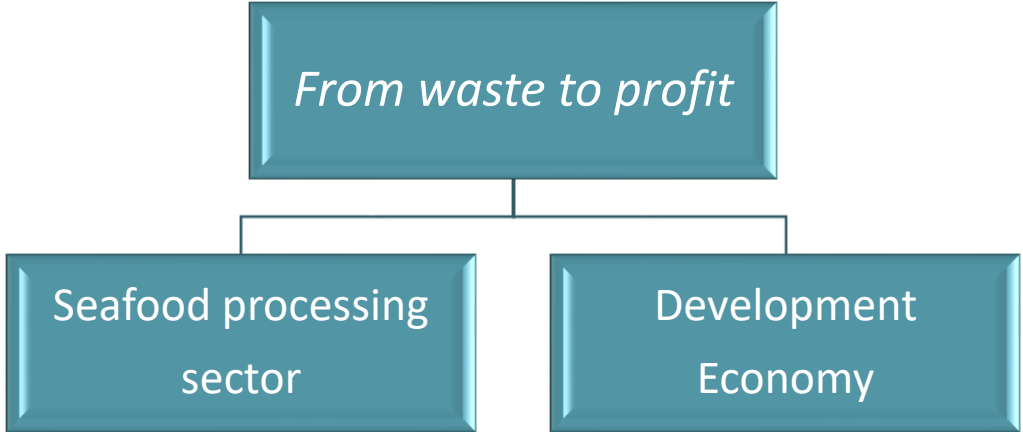


BlueRev²

Bio-based revitalisation
of local communities

LCA, BUSINESS model, SOCIAL INNOVATION, GOVERNANCE

Expectations from BlueRev



SO6 | increase skilled jobs opportunities and small-scale establishments in the bio-based sector