

Barcelona, 20 de setembre de 2023

Marketplace d'oportunitats científico-tecnològiques i d'economia blava

Organitzen:



Col·laboren:



Programa

09.30h Benvinguda

09.45h Estratègia i tecnologies clau de l'economia blava a Catalunya

10.05h Oportunitats de finançament europeu i col·laboració en economia blava

10.15h Oportunitats empresarials i reptes científico-tecnològics a l'economia blava

10.35h Pitch de solucions científiques i tecnològiques

11:05 Pausa cafè i networking

12:00 Fi de l'acte

Visita ICM: Jornada portes obertes 15-16 Novembre

Més informació: web ICM- secció esdeveniments (<https://www.icm.csic.es/es/eventos>)

Organitzen:



Col·laboren:



Bloc 2: Pitch de solucions científiques i tecnològiques (en base als reptes següents)

1. Recerca, innovació i biotecnologia

1. Biotecnologia cosmètica que ens protegeix protegint el mar (SAFE SEA)

Pol Sendil, Director comercial

Who are we?

Safe Care was founded in 2014, together with the biotechnology research capacity of Nidaria Technology Ltd. launches in Spain and internationally, SAFE SEA, its main Brand, unique in the world in terms of character, function and benefit.

What do we offer? Describe your technology

An outstanding Blue Biotechnology precedent, already considered by professionals in the maritime sector and ocean lovers as a basic necessity and public health good. In addition to protecting skin in contact with jellyfish, Safe Sea offers a waterproof formulation that does not leach or dilute in water, even after prolonged aquatic activities of more than 80 minutes. This is why Friend Of The Sea - the leading certification standard for products that respect and protect the marine environment - has accredited Dr. Lotan's formula as EcoFriendly.

Benefits? Key KPI

20 years of research, analysis and observation, this is how Dr. Amit Lotan defines the process of creating Safe Sea. A long journey and a goal achieved: to discover to the world the only real method that protects the skin in contact with jellyfish, while defending its purpose of not polluting our seas.

What are we looking for?

Continue protecting the skin in contact with jellyfish of all those who enjoy or compete in our seas and oceans without harming them and protecting the marine environment, the jellyfish are in their habitat, we are NOT. To the increasingly frequent question: "What should I do if I get stung by a jellyfish? The most reliable answer is: "protect yourself from its Sting"

Organisers:



Co-organisers:



Challenge(s) addressed:

- Research, innovation and biotechnology

Contact

Teresa Martí
tmarti@safecare.es
 +34 653 340 243
www.safesea.es

1. Recerca, innovació i biotecnologia

2. El packaging gràcies als organismes marins (BZEOS)

Adriana Kyvik, Co-founder



B'ZEOS
GREEN TECH

Spain

Who are we?

B'ZEOS is a green-tech company developing novel seaweed-based packaging solutions for various industries including food & beverage.

What do we offer? Describe your technology

By harnessing the power of seaweed, we wish to provide a profitable & sustainable alternative to conventional plastic to minimize waste and decarbonize the packaging industry. The proposed solution aims to develop innovative seaweed-based packaging materials through scalable manufacturing technologies (plug & play approach). The final product is 100% bio-based, biodegradable, and home-compostable.

Benefits? Key KPI

Compatible with conventional machinery / bio-based/ non-polluting/ cost competitive/ scalable technology

What are we looking for?

Potential partnerships / Investors / Opportunities / Visibility

Organisers:



Pictured: B'ZEOS Seaweed-Based pellets (left) and various final products (right)

Challenge(s) addressed:

- Research, innovation and biotechnology

Contact

Adriana Kywik

adriana.kywik@bzeos.com

+34 695 06 97 58

<https://www.linkedin.com/in/adrikywik/>

Co-organisers:



1. Recerca, innovació i biotecnologia

3. Suplements alimenticis a partir d'extracte d'aigua del mar (AMAR81)

Mayte Corbinos, CEO & Co-founder



Who are we?

Biotechnology firm that creates a line of nutraceutical, patented products based on the seawater extract obtained from the left-overs of the sea ponds, addressing therapeutical solutions.

What do we offer? Describe your technology

Seawater contains all the minerals that our body requires, it is also known as “pseudo-plasma”. We create unique formulations, in an easy to administer format of a capsule, so consumers can enjoy the benefits of the seawater without its taste and its sodium level.

Benefits? Key KPI

- Highly effective product with up to 8 ingredients in 1 capsule
- Continued adherence to treatment due to being in a capsule
- Wide consumer base due to it low level of sodium chloride (salt)

What are we looking for?

Collaboration with hospitals and/or patient organisations to help us verify officially the success that we have been seen for 2 years.

Potential consumers who are not aware of the benefits of seawater.

Potential Customers, Cooperation Partners

Organisers:



Co-organisers:



Challenges addressed:

- Research, innovation and biotechnology

Contact

Mayte Corbinos Pubill
mayte@amar81.com
 608287630
www.amar81.com

2. Observació, protecció i restauració d'ecosistemes marins

4. Quantificació automatitzada de la biodiversitat (SEABOTS)

Pau Guasch, General Manager

Who are we?

We are Seabots, a pioneering company specializing in automated marine data collection. With cutting-edge technology and adaptable robotics, we empower real-time monitoring, inspections, and environmental insights, driving sustainable solutions for our oceans.

What do we offer? Describe your technology

Development, manufacturing and operation of fully customizable Autonomous Surface Vehicles

Benefits? Key KPI

OPEX reduction
Human risk reduction
Environmental impact reduction

What are we looking for?

New partners and challenges to scale up our technology

Organisers:



Co-organisers:



 Barcelona



Challenge(s) addressed:

- Observation, protection and restoration of marine ecosystems

Contact

Pau Guasch
p.guasch@gpaseabots.com
931 256 536
www.seabots.eu

2. Observació, protecció i restauració d'ecosistemes marins

5. Robòtica marina i monitorització (IQUA ROBOTICS)

Joseta Roca, Executive assistant

Who are we?

Engineering company that provides technologies for underwater exploration.

What do we offer? Describe your technology

We design, develop and manufacture autonomous underwater vehicles and related technologies.

They can be used for gathering data of the seafloor that will then be then processed and interpreted by the end user.

Our main customers are research institutions and universities doing investigation in multiple fields.

Benefits? Key KPI

High resolution imagery of inaccessible areas (up to 500m) / Low operation costs / Reconfigurable based on the end user needs.

What are we looking for?

We expect to find potential project partners for new developments and end users willing to provide application scenarios for our technologies.



Challenge(s) addressed:

- Observation, protection and restoration of marine ecosystems

Contact

Joseta Roca
info@iquarobotics.com
 +34972183311
www.iqarobotics.com

Organisers:



Co-organisers:



2. Observació, protecció i restauració d'ecosistemes marins

6. Observació oceanogràfica-Com la col·laboració científica aporta valor al sector empresarial (LOBELIA EARTH)

Thaís Fontenelle, Business Developer

Who we are?

Lobelia works for both the public and private sectors, providing climate services. Developing innovative platforms based on scientific knowledge and radically new software technologies, paving the way towards a resilient, carbon-zero society.

What do we offer? Describe your technology

Analyzing the behavior of several species vs. the environment and how the climatic change affects them in order to protect ecosystems while making it compatible with industrial activities such as fishery, marine traffic, marine platforms, etc.

Benefits? Key KPI

- Correlation between biodiversity and environmental variables
- Climate change in the physical conditions
- Change of occurrence of indicators impacting biodiversity

Benefit: defining minimum recommended Marine Protected Areas based on evidence

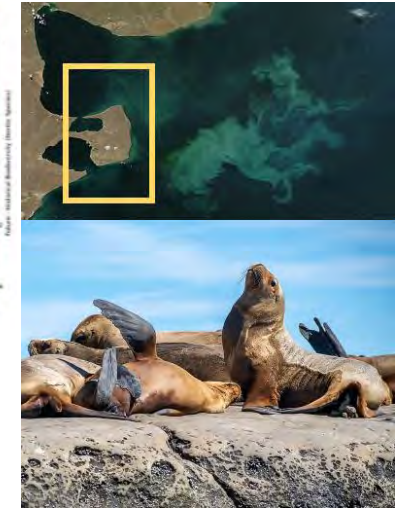
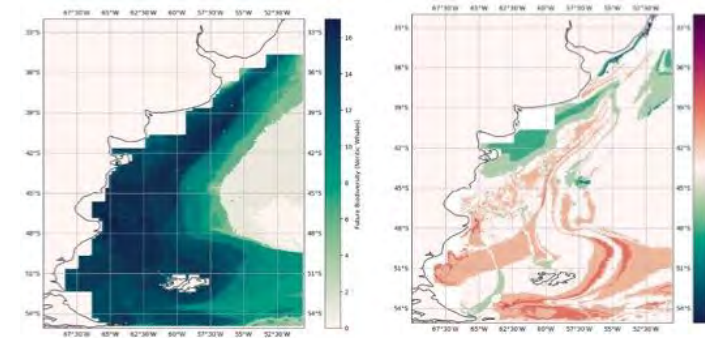
What are we looking for?

Scientific partners, institutional stakeholders, end users interested to co-develop and use this kind of services

Organisers:



 Spain



Challenge(s) addressed:

- Observation, protection and restoration of marine ecosystems

Contact

Jorge Calvin
jorge.calvin@lobelia.earth
 (+34) 621 037 742
www.lobelia.earth

Co-organisers:



3. Prevenció, gestió i reducció de la contaminació dels mars i oceans

7. Waste management water (ZYOSH)

Pepe Costa, CEO

Who are we?

At ZYOSH™ we strive for a textile world free of micro and nanoplastics.

What do we offer? Describe your technology

We developed a micro and nanoparticles filter for industrial laundry facilities.

By using our patented, hydrothermal carbonization process we remove water pollutants so water could be reused in a closed circuit.

Benefits? Key KPI

Preventing micro and nanoparticles to reach oceans. Water saving by reusing it. Energy consumption similar to available technologies.

What are we looking for?

Current technology is at TRL4 and we are looking for partners and or laundry facility companies to help us develop further the system

Spain

Diagram illustrating the hydrothermal carbonization process:

- 1: Formación de la capa de plástico (25°C)
- 2: Hidrólisis y otras transformaciones (De 25 a 200°C)
- 3: Adhesión a la capa (225°C)
- 4: Densificación en Carbono (250°C y más TP)

Materials involved: Plástico, SAP, Celulosa, Colgajos en disolución, Hidrochar.

Pañal triturado + agua

any

Challenge(s) addressed:

- Prevention, management and reduction of sea pollution

Contact

Pepe Costa
pepe@zyosh.com
+34661545210
<https://zyosh.com>

Organisers:



Co-organisers:



3. Prevenció, gestió i reducció de la contaminació dels mars i oceans

8. Innovació aplicada a la revalorització de salmorres: el projecte Sea4Value

(CATALAN WATER PARTNERSHIP)

Sergi Compte, RD Area Manager

Who are we?

The CWP is a nonprofit organization of agents representing the overall water value chain. Our aim is to promote the sustainability and the competitiveness of our partners.

What do we offer? Describe your technology

A total of 10 technologies are being developed in the Sea4Value project (<https://sea4value.eu/>) for the pre-treatment, concentration and selective recovery of critical raw materials and metals from desalination brines. The technologies will be tested in a moving lab under real conditions to validate their efficiency and technical feasibility.

Benefits? Key KPI

Security of supply and reduction of the dependency of imports. Valorization and reduction of brines. New business opportunities.

What are we looking for?

Give visibility to the project and its aims in order to establish contact with potential users and technological partners.

Organisers:



PARTNERS



This project has received funding from the European Union's Horizon 2020 research and innovation programme under the grant agreement n° 869703.

Challenge(s) addressed:

- Prevention, management and reduction of pollution of the seas and oceans

Contact

Sergi Compte
sergi.compte@cwp.cat
(+34) 663-321-299
www.cwp.cat

Co-organisers:



3. Prevenció, gestió i reducció de la contaminació dels mars i oceans

9. Absorció de microplàstics a través de biofiltres fabricats per meduses
(GOJELLY)

Jamileh Javidpour, Prof. Dr., University of Southern Denmark (SDU) and
coordinator Go Jelly Project



Who are we?

Coordinator of the GoJelly project with 16 International partners

What do we offer? Describe your technology

We offer a diverse range of products derived from jellyfish biomass and mucus, featuring a patented filter for capturing nano plastics from wastewater, rivers, and coasts.



Marine Ecology



Oceanography



Fishery science



Farming/Aquaculture



Cosmetic



Food science and technology

Benefits? Key KPI



Environmental Engineering



Biotechnology



Agriculture/composting



Socio-economy



Political science



communication

What are we looking for?

Investors and supporters to go over the TRL5

Organisers:



Co-organisers:



Denmark



Biotech innovation
Cosmetics
Nutraceuticals
Medicine



Blue innovation
Use Jellyfish for a microplastic filter



Green innovation
Jellyfish as food, feed and fertilizer

Challenge(s) addressed:

- Prevention, management and reduction of pollution of the seas and oceans

Contact

Jamileh@biology.sdu.dk

4. Descarbonització i Economia Blava

10. Transició energètica del transport marítim i flotes pesqueres (ELYSE)

Carlos del Préstamo, Business Development Manager Spain & Portugal

 Spain



Who are we?

Elyse Energy is a e-fuel developer and operator of e-fuel plants, specially SAF and e-methanol for the maritime sector

What do we offer? Describe your technology

We offer long-term agreements for PPAs as off-takers and e-methanol for the maritime sector as sellers

Benefits? Key KPI

Stability in the agreements and 100% sustainable e-fuels

What are we looking for?

Potential renewable energy partners and e-fuel off-takers

Challenge(s) addressed:

- Decarbonisation and Blue Economy

Contact

Carlos del Préstamo
cprestamo@elyse.energy
+34 677 92 77 27
www.elyse.energy

Organisers:



Co-organisers:



4. Descarbonització i Economia Blava

11. Desenvolupament d'energia renovable marina (X1WIND- EXPONENTIAL RENEWABLES SL)

Àlex Raventós, CEO & Co-founder

📍 Spain

Who are we?

X1 Wind is a disruptive floating wind technology developer, whose mission is to provide highly scalable solutions which deliver clean, affordable energy while reducing carbon emissions across the globe.

What do we offer? Describe your technology

Our innovative technology, the PivotBuoy®, strives to be as light and simple as possible, enabling a radical weight reduction and achieving a much lighter platform that allows a simple assembly and installation strategy using local infrastructure.

Benefits? Key KPI

Reduced manufacturing CAPEX / Reduced transport and installation CAPEX / Reduced environmental impact / Ability to reach deeper waters / Reduced OPEX / Improved scalability / Suitability for mass manufacturing.

What are we looking for?

Seek for potential synergies with organizations that could foster our upcoming pre-commercial and commercial floating wind projects.



Challenge(s) addressed:

- Decarbonisation and Blue Economy

Contact

Alex Raventos
alex.raventos@x1wind.com
www.x1wind.com

Organisers:



Co-organisers:



Fi de la primera part de l'acte

**A continuació:
Pausa cafè i networking**