

# 2<sup>nd</sup> HIGH-TECH SUMMIT FOR THE BLACK SEA

## 16 October 2024

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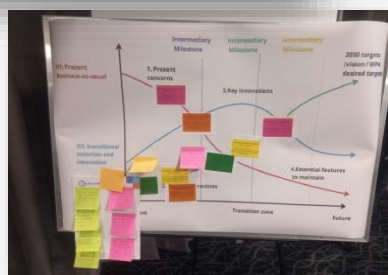
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# Engaging local communities in Living Labs across the Black Sea



		PS1 Türkiye	PS2 Bulgaria	PS3 Romania	PS6 Georgia	PS7 Türkiye	Total
1st Round of Workshop	Date	16-17.02.2022 (2 WSSs)	27-28.01.2022 (2 WSSs)	26.01.- 01.02.2022 (2 WSSs)	29.01.2022	25.05.2022	120
	Location	Online	Online	Constanta & Tulcea	Batumi (Hybrid)	Sinop	
	Participants	22	22	40	21	15	
2nd Round of Workshop	Date	17.03.2023	07.03.2023	28.02.2023	07.04.2023	17.05.2024	116
	Location	İstanbul	Varna	Constanta	Batumi	Sinop	
	Participants	25	22	22	20	27	
3rd Round of Workshop	Date	30.04.2024	25.04.2024	10.04.2024	26.04.2024	23.05.2024	128
	Location	İstanbul	Varna	Constanta	Batumi	Sinop	
	Participants	21	27	27	25	28	
Total							364 <sup>6</sup>



BRIDGE-BS LL stakeholders' engagement flow





**Automated fisheries monitoring and management systems to help track and control fishing activities**

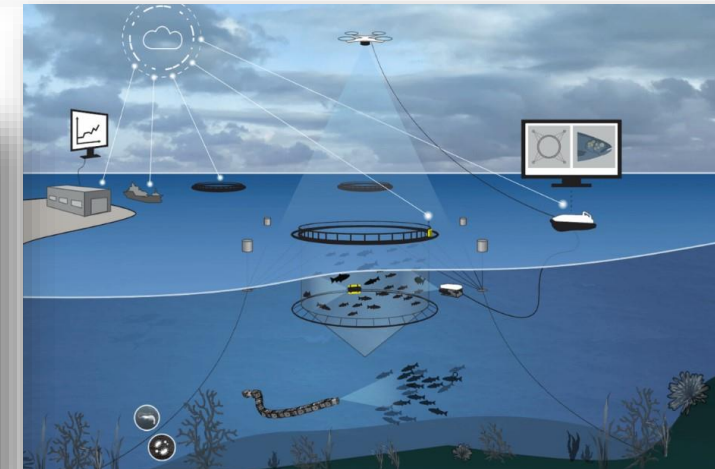
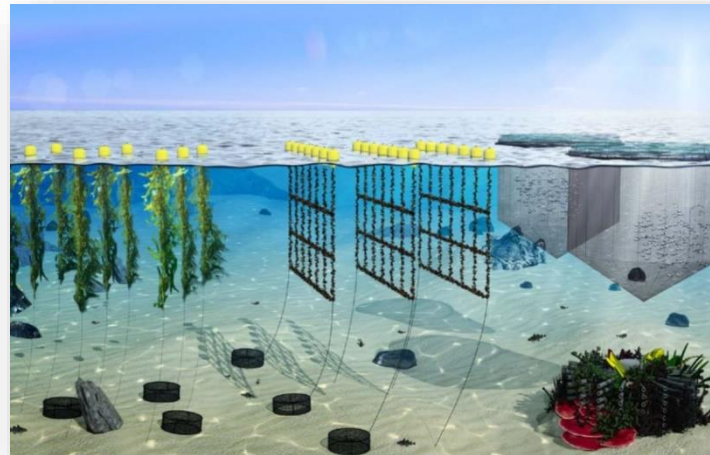
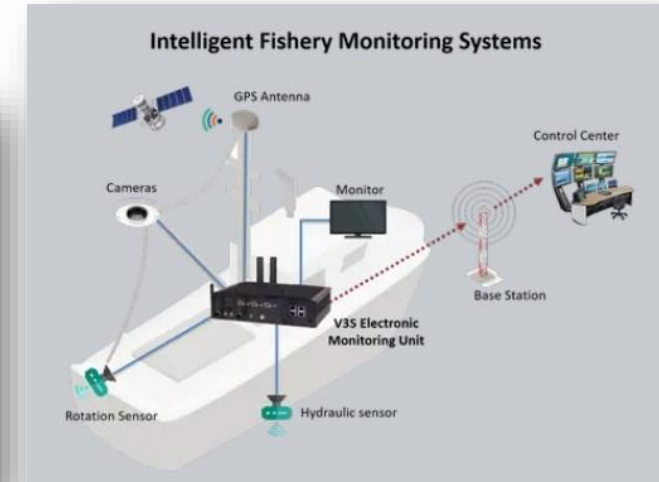
**Innovative fishing methods (preserve biodiversity) and vessels (reduce water pollution)**

**Implementation of block chain technologies for better traceability within seafood supply chain**

**Advanced processing and preservation technologies to reducing waste production**

**Integrated Multi-Trophic and Re-circulatory Aquaculture systems for fish and seaweed farming**

**Use of automated aquaculture farm management systems**



- Improve control and processing of waste in vessel and port infrastructures
- New technologies for reducing emissions from vessel and port operations
- Use of renewable energies



**Digitalization of port operations and logistics: use of AI, IoT, drones for**

- Automation of monitoring systems for pollution control and improve incident response
- Reduce vessel fuel consumption



# Innovations for marine environment observation and management

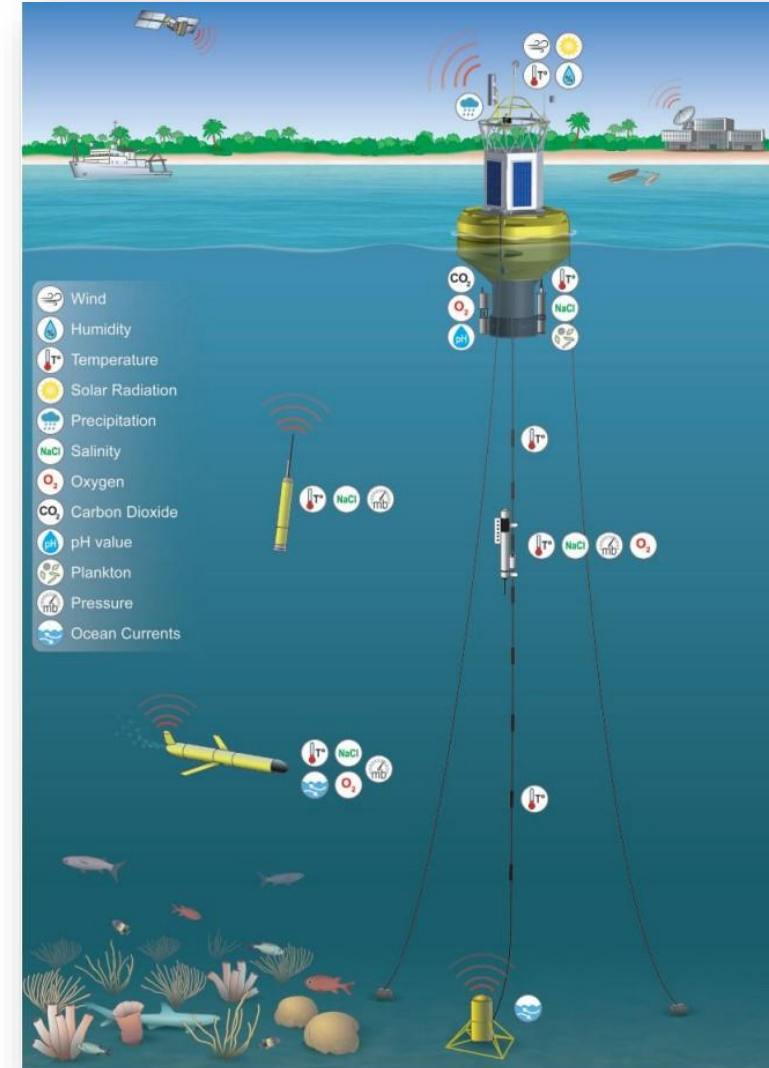
Using drones, autonomous vessels and other technologies for environmental monitoring

Digital Twin of the Ocean for fast responses to environmental threats

Risk-based decision support systems

Smart monitoring based on citizen science

Innovative technologies for waste-ballast treatment



# How can a sustainable tourism sector look like?



Use of energy-efficient technologies  
in buildings

Improve waste management systems

Ecotourism infrastructures

Promote circular and smart tourism



Digital tourism platforms



- *Legal and governance frameworks*
- *Research and development programs*
- *A skilled and highly specialized work force*



Automated systems and artificial intelligence to optimize the work processes and management of offshore wind farms

New materials and structures for offshore wind turbines to reduce ecological footprint and minimize impacts

Development of more efficient and sustainable battery technologies for energy storage

# THANK YOU!

**STAY TUNED!**

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