SEA2 SEE

Innovative blockchain traceability technology and Stakeholders' Engagement strAtegy for boosting Sustainable sEafood visibility, social acceptance and consumption in Europe

Overall project presentation

WEBINAR 1: Securing our food supply chains: EU's innovative initiatives to combat food fraud, improve food traceability and sustainability, and increase consumers' trust

11 September, 2024

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Co-funded by the European Union

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SINGLE POWER IDEA

Sea2See project contributes to significantly improve Trust, Transparency and Traceability of the European Seafood sector throughout the value chain.



Challenges

- i) INSUFFICIENT INFORMATION ABOUT SEAFOOD PRODUCTS: species, origin, fishing gear, feed, welfare issues, production methods and parameters such as water quality, processing and transport methods.
- **ii)** UNSUSTAINABLE PRACTICES such as the use of unselective gear with high by-catch and discards, capture of undersized fish and invertebrates, illegal and unregulated fishing, and labelling frauds.
- **iii) LACK OF DIGITALIZATION AND TAILORED SOFTWARE TOOLS FOR** seafood products **TRACEABILITY**. The main challenge to ensure a clear link between sustainability and traceability of EU seafood lies in the ability to assess, in real-time, sustainability indicators across actors in the value chain.

CREDIBLE AND PRACTICAL TRANSPARENCY IS ONLY POSSIBLE WITH DIGITIZATION





Project Goal

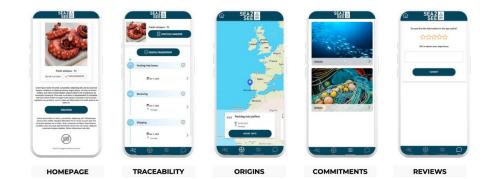
Sea2See' main goal is to significantly **increase consumer trust and acceptance of sustainably fished or farmed seafood** in Europe through

1) development and demonstration of an **innovative end-to-end blockchain traceability model throughout the seafood value chain** and

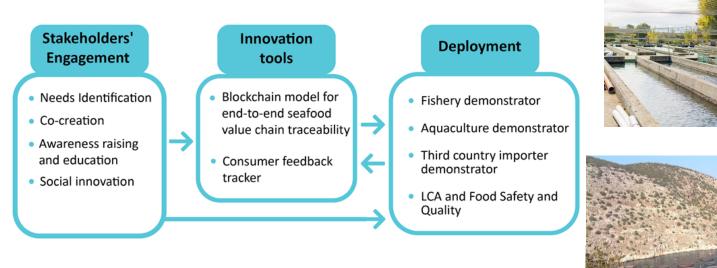
2) implementation of **societal and sectoral strategies for co-creation**, **communication and awareness raising** of the benefits of sustainably fished or farmed nutritious seafood.



Project Aims



The main question Sea2See targets is how to make actors with sustainable seafood practices more visible to consumers, to give them a competitive advantage.









Project Objectives

SO1: Develop a **co-creation approach** to sustainable seafood transparency and traceability

SO2: Leverage a set of **awareness raising and educational practices** to increase sustainable seafood consumption

SO3: Develop a **blockchain deployment model** for seafood industryspecific traceability data collection

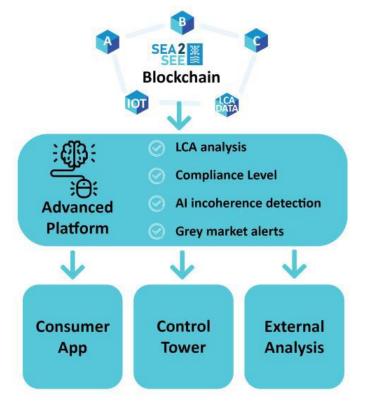
SO4: Demonstrate the **feasibility and advantages** of the Sea2See blockchain model

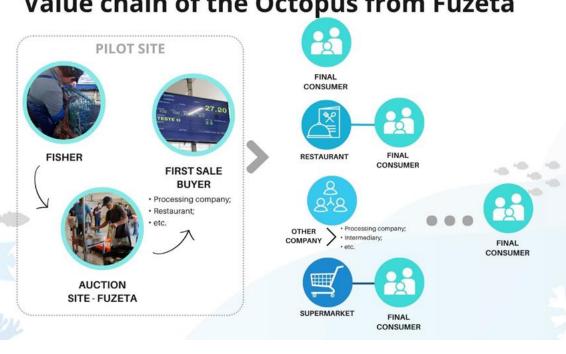
SO5: Develop a standardized Life Cycle Assessment framework for identifying and quantifying the major sources of environmental impact



Project Objectives

SO3: Develop a blockchain deployment model for seafood industryspecific traceability data collection





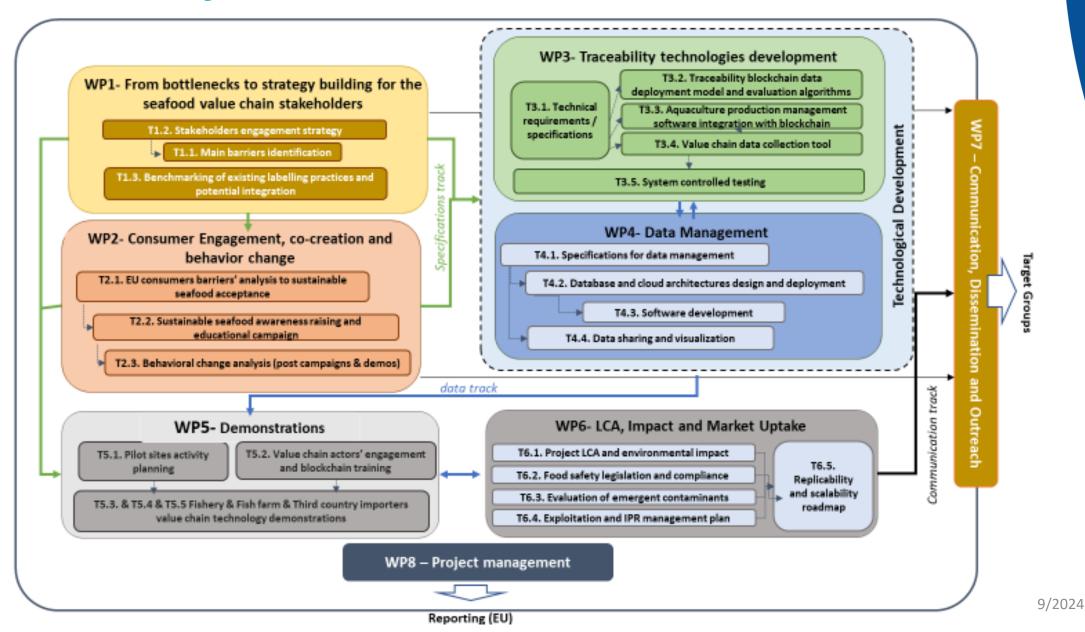
Value chain of the Octopus from Fuzeta



SO4: Demonstrate the **feasibility and advantages** of the Sea2See blockchain model

- FISHERIES
 - Fishery Portugal (Octopus)
- AQUACULTURE
 - Greece (seabream cages)
 - Spain (trout raceways)
 - Portugal (meagre RAS)
- IMPORTER
 - Perú-Spain (canned tuna)

Project Work Distribution





Main Results to date

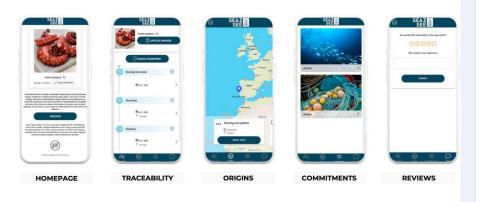
- Novel Sea2See methodology & strategy on stakeholders' engagement
- Map stakeholder groups & subgroups and level of engagement
- Benchmarking existing seafood certification practices
- Identified Benefits and Barriers to blockchain in seafood value chains
- Map of consuming habits
- Development of tools and technologies for stakeholder data collection and interaction with the Sea2See Traceability Platform

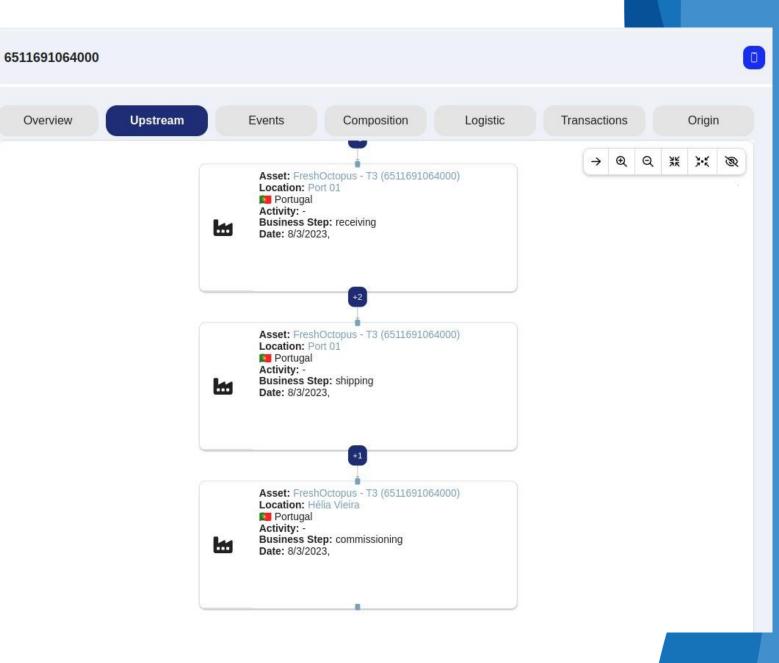


Main Results

WP3 & WP4 \rightarrow WP5

• Develop tools and technologies for stakeholder data collection and interaction with the Sea2See Traceability Platform <u>VIDEO</u>







Main Results

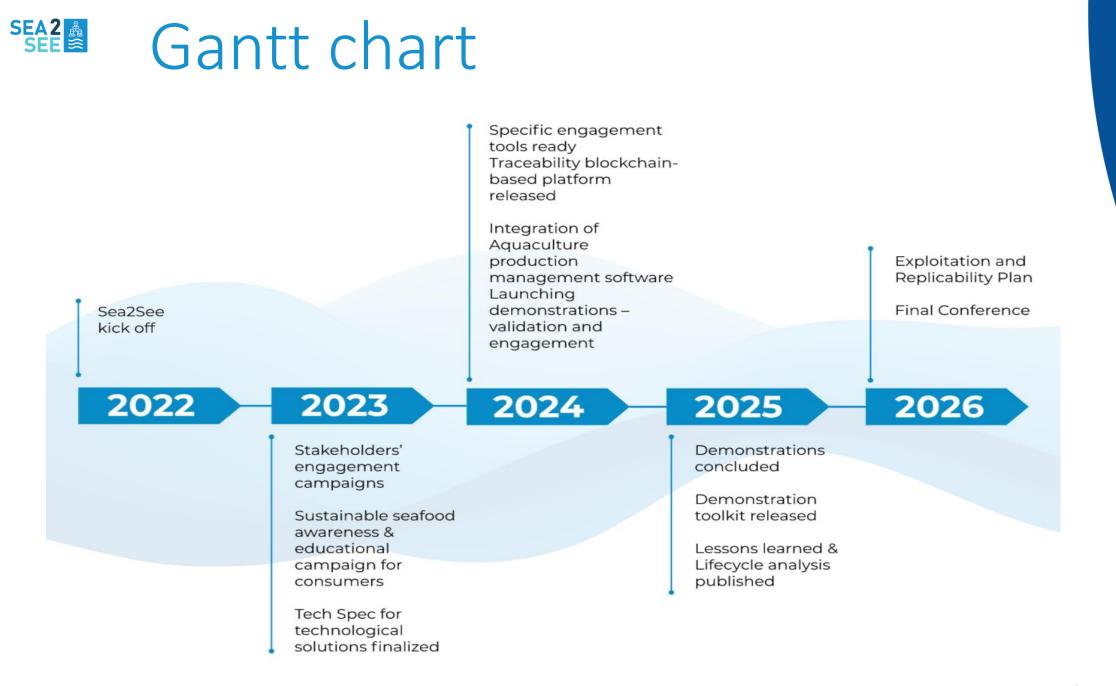
WP3 & WP4 \rightarrow WP5

• Develop tools and technologies for stakeholder data collection and interaction with the Sea2See Traceability Platform Spotlight sea2see-test.tilkal.net

Proffesional Apps



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Proposed synergies

- Awareness campaigns highlighting blockchain solutions for food traceability and fraud prevention
- Sharing best practices and challenges in implementing digital tools, especially for traceability
- Pooling resources for creating educational materials to raise awareness about food safety in supply chains
- Discuss how to build consumers' trust in sustainable food and interventions on consumer behaviour
- . Communicating the benefits of the tools to the stakeholders



Proposed synergies

- Small scale fisheries / Sustainable seafood
- Legal Framework

REGULATION (EU) 2023/2842 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 22 November 2023

Most provisions of the amended regulation will apply in 2 years, from 10 January 2026

CATCH

• Digitalisation of Data Acquisition



Thank you!



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