

Stakeholder workshop for knowledge co-production

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Project Acronym	TECHERA
Project ID Number	10417714
Project Title	A new technology era in the Adriatic Sea – Big data sharing and analytics for a circular sea economy
Priority Axis	Blue Innovation
Specific objective	1.1 - Enhance the framework conditions for innovation in the relevant sectors of the blue economy within the cooperation area
Work Package Number	3
Work Package Title	Clustering thematic activities
Activity Number	3.2
Activity Title	Contributions to the next programming period
Partner in Charge	PP1 – Agency Marche Agriculture and Fisheries
Partners involved	ALL
Status	Final
Distribution	Public
Partnership:	



MARCHEAgricolturaPesca

Agenzia per l'Innovazione nel settore agroalimentare e della pesca



VENETO AGRICOLTURA



Summary

Executive Summary	3
Planning and implementing the co-design workshop.....	3
The co-design workshop results	9
Results from Session 1: Fisheries management and governance.....	9
Results from Session 2: Fisheries innovation and diversification	14
.....	17
Results from Session 3: Aquaculture management and innovation	19
The poster session and final considerations from the stakeholder perspective	24
Conclusions.....	Errore. Il segnalibro non è definito.
Annexes	25

Executive Summary

TECHERA project is co-funded by the Interreg Italy-Croatia Cooperation Programme 2014-2020 under Cluster 1 “Connectivity from the sea: data driven solution in the sea economy” and stems from the capitalization of 6 previous projects ADRIREEF, FAIRSEA, ITACA, SUSHIDROP, PRIZEFISH and BLUE KEP that have experimented with innovative data-driven practices and approaches in the context of the blue economy.

The project main objectives are:

- To set up an intersectoral cluster for data sharing;
- To promote smart specialization and advanced technologies;
- To boost attractive and innovative careers in the Blue Economy

The TECHERA WP3 “clustering thematic activities” intends to build synergies among these projects to increase sustainability and transferability of results in the view of making quality recommendations and flagship for the programming period 2021/2027. In this context, the project foresees a set of strategic and operational activities such as the organization of a co-production workshop with the interactive involvement of the key stakeholder of the Adriatic area blue economy in the year 2022. The main goal of the workshop is to engage the fisheries and aquaculture actors from the Adriatic area in discovering and exchanging new ideas and actions to generate sustainable innovation in the blue economy context in the programming period 2021/2027.

The TECHERA co-design workshop on “How to foster the sustainable development of fisheries and aquaculture?” took place on 18 November 2022 in Ferrara during the SEALOGY 2022 exhibition and was organized by the Agency for innovation in the agrifood and fisheries sectors of Marche (AMAP) in close cooperation with the Italian project partners.

Planning and implementing the co-design workshop

AMAP worked together with the TECHERA project partners to plan the implementation of the co-design workshop in terms of contents and logistic.

A steady communication flow was established between the partners in charge to exchange information, progresses, background materials and organizational details. Coordination meetings were arranged with the following goals:

- to define the common objectives and expected results of the workshop
- to define the proper location and context for the organization of the workshop
- to identify and validate the most appropriate methodology to ensure an interactive engagement of the aquaculture and fisheries stakeholder in the Adriatic area
- to prepare the workshop material (concept note, agenda, invitation)
- to ensure the regional stakeholder mobilization
- to ensure an effective and efficient dissemination of the event
- to define the logistic details

Moreover, contributions to the TECHERA social media and webpage were prepared and posted by AIE (WP2 leader) to disseminate the workshop to a wider target group.

Both in the planning and implementation phases of the activity, AMAP was supported by a team of senior facilitators with a multi-year' experience in managing participatory and multistakeholder approaches.

Partner's role and involvement: the organization of the co-design workshop required a high level of involvement of the Italian project partners. AMAP was responsible for planning and organizing the workshop in terms of logistic and structure, closely cooperating with Lead Partner and WP3 Leader. The project partners gave their contribution to the definition of the agenda and to the involvement of the fisheries and aquaculture stakeholder at their territory level. The Italian partners were also actively involved in the implementation of the workshop as speakers and participants of the Working Groups. For the Croatian side, Zadar County attended the event.

Identification and engagement of the target group: the workshop targeted the actors of the fisheries and aquaculture sectors of the Adriatic Area (Italy and Croatia):

- universities and research centres
- enterprises, associations, and consortia
- NGOs
- public administration at local, regional, and national level
- sectoral agencies

The TECHERA partners were highly involved in the identification and engagement of local stakeholder for their participations. To this a stakeholder template was prepared by AMAP and shared within the partnership to facilitate the potential participants identification and categorization.

TECHERA co-design workshop: the background material

AMAP with the Italian partner prepared the following material

> *Workshop programme*

Since the planning phase, the workshop was designed to ensure a participatory approach and to create a favourable environment for exchanging ideas and knowledge.

The draft programme was fine-tuned in the period June to October 2022 and delivered in November 2022.

The final programme, validated by the TECHERA partnership, was structured in:

- a short introductory plenary session
- n. 3 working group sessions in parallel to tackle the following issues

1. *Session 1 - Fisheries management and governance.*
2. *Session 2 - Innovation and diversification of fisheries.*

3. Session 3 - Aquaculture: management and innovation

- a final poster sessions and plenary session for sharing the results from the working groups

9.15	Welcoming and registration of participants
9.30	<p>Introduction to the workshop sessions</p> <p>Introduction to the workshop and expected outcomes (Francesca Perretta- Marche Agency Agriculture Fisheries, Gerardo de Luzenberger - Genius Loci)</p> <p>Presentation of the TECHERA Project (Luca De Marchi - Alma Mater Studiorum - University of Bologna)</p> <p>Brief introduction to each session by the Project Partners (Simone Libralato - National Institute of Oceanography and Experimental Geophysics, Luca Mulazzani - Alma Mater Studiorum - University of Bologna, Ike Olivotto - University Politecnica delle Marche) and choice of sessions.</p>
10.30	Working groups parallel sessions
12.30	<p>Results/poster session (Gerardo de Luzenberger - Genius Loci)</p> <p>Session 1 - Fisheries management and governance. Ideas and proposals on common management and governance of Adriatic fisheries: Sustainable exploitation of Adriatic Sea resources, reduction of conflicts between different actors for the use of the sea, development of "blue" skills and competencies. Opening remarks: Istituto Nazionale di Oceanografia e di Geofisica Sperimentale, Alma Mater Studiorum di Bologna</p> <p>Session 2 - Innovation and diversification of fisheries. Ideas and proposals on cutting-edge technologies for process optimization, value addition to seafood products, development of circular models and recycling solutions along the seafood supply chain. Opening remarks: Veneto Agricoltura, Alma Mater Studiorum - University of Bologna</p> <p>Session 3 - Aquaculture: management and innovation. Ideas and proposals on smart farming practices, pollution reduction, development of circular models and solutions for recycling and reuse along the supply chain, building "blue" skills and competencies. Opening remarks: Università Politecnica delle Marche, Agenzia Marche Agricoltura Pesca, Cooperativa MARE</p>
13.15	Conclusions (Luca De Marchi - Alma Mater Studiorum - Università di Bologna, Cristina Frittelloni - Agenzia Marche Agricoltura Pesca)
13.30	End of the work

Figure 1: Co-design workshop final programme

The programme was delivered in Italian and English and published on:

- SEALOGY website
- TECHERA social media and web-page
- Partners' social media and institutional website

> *Workshop Storyboard*

An internal document was prepared to facilitate the workshop running and management, outlining the speaker's expected contribution and the time slots to be respected.

> *On-line registration form in Italian and English*

An online registration form was created to speed-up the registration and to monitor on real time the adhesion and the expected participation.

> *SAVE THE DATE and common Invitation letter in Italian and English*



TECHERA
Nuove soluzioni per il Mare Adriatico nell'Era Tecnologica
Condivisione di Big data e approcci analitici per l'economia circolare legata al mare

COME FAVORIRE LO SVILUPPO SOSTENIBILE DELLA PESCA E DELL'ACQUACOLTURA?
WORKSHOP DI CO-PROGETTAZIONE CON GLI ATTORI DELLA BLUE ECONOMY DELL'ADRIATICO

Obiettivo del workshop è coinvolgere gli attori dei settori della pesca e dell'acquacoltura dell'Adriatico nell'identificazione e condivisione di nuove idee e di azioni per generare innovazione sostenibile nel contesto dell'economia blu.

QUANDO
18 novembre 2022
ore 09.30 - 13.30

DOVE
SEALOGY, Sala Volturmo
Quartiere Fieristico di Ferrara, Via della Fiera, 11, Ferrara (IT)

1 WORKSHOP
3 GRUPPI DI LAVORO

Sessione 1 - Gestione e governance della pesca
Sessione 2 - Innovazione e diversificazione della pesca
Sessione 3 - Acquacoltura: gestione ed innovazione

VI ASPETTIAMO PER DARE IL VOSTRO CONTRIBUTO A UN'ECONOMIA BLU SOSTENIBILE!
Lingue di lavoro: italiano e croato (servizio di traduzione disponibile per l'intero workshop)

PROJECT PARTNERS
European Regional Development Fund, OGS, MARCHEregione, VENETOregione, AGRICOLTURA

TECHERA
A new technology era in the Adriatic Sea
Big data sharing and analytics for circular sea economy

HOW CAN WE MAKE OUR FISHERIES AND AQUACULTURE MORE SUSTAINABLE?
CO-DESIGN WORKSHOP WITH THE BLUE ECONOMY STAKEHOLDERS OF THE ADRIATIC SEA

The workshop goal is to engage the fisheries and aquaculture actors from the Adriatic area in discovering and exchanging new ideas and actions to generate sustainable innovation in the blue economy context.

WHEN
18 November 2022
h. 09.30 - 13.30

WHERE
SEALOGY, Sala Volturmo
Quartiere Fieristico di Ferrara, Via della Fiera, 11, Ferrara (IT)

1 CO-DESIGN WORKSHOP
3 WORKING GROUPS

Session 1: Fisheries management and governance
Session 2: Fisheries innovation and diversification
Session 3: Aquaculture: Management and innovation

WE LOOK FORWARD TO YOUR CONTRIBUTION FOR A SUSTAINABLE BLUE ECONOMY!
Working language: Italian and Croatian (translation service available for the entire workshop)

PROJECT PARTNERS
European Regional Development Fund, OGS, MARCHEregione, VENETOregione, AGRICOLTURA

Figure 2: SAVE THE DATE

> **Posters**

n.3 Posters including a list of issues of each Working Group were prepared and printed to facilitate the selection of the WG of interest.



SESSIONE 1 GESTIONE E GOVERNANCE DELLA PESCA

IDEE E PROPOSTE SU GESTIONE COMUNE E GOVERNANCE DELLA PESCA IN ADRIATICO.

- MISURE TECNICHE E GESTIONALI PER UN PRELIEVO SOSTENIBILE DELLE RISORSE
- AUMENTO DELLA SELETTIVITA'
- RIDUZIONE DEGLI IMPATTI AL FONDO
- OTTIMIZZAZIONE DELL'ATTIVITA' DI PESCA
- RIDUZIONE DEI CONFLITTI
- BARRIERE ARTIFICIALI
- FORMAZIONE E NUOVE COMPETENZE

SESSIONE 3 ACQUACOLTURA: GESTIONE ED INNOVAZIONE

IDEE E PROPOSTE SU PRATICHE DI ALLEVAMENTO SMART, RIDUZIONE DELL'INQUINAMENTO, SVILUPPO DI MODELLI CIRCOLARI E SOLUZIONI PER IL RICICLO ED IL RIUTILIZZO LUNGO LA FILIERA, COSTRUZIONE DI ABILITA' E COMPETENZE "BLU".

- OTTIMIZZAZIONE NELLA PRODUZIONE
- PRATICHE DI ALLEVAMENTO SOSTENIBILI
- SERVIZI E PRODOTTI SMART
- ACQUACOLTURA DI PRECISIONE
- TRASFORMAZIONE, COMMERCIALIZZAZIONE, DISTRIBUZIONE
- ASSEGNAZIONE DI ZONE MARINE PER L'ACQUACOLTURA
- SERVIZI ECOSISTEMICI
- SOLUZIONI PER IL RICICLO E IL RIUSO
- MULTIFUNZIONALITA' E ACQUACOLTURA INTEGRATA
- FORMAZIONE E NUOVE COMPETENZE

SESSIONE 2 INNOVAZIONE E DIVERSIFICAZIONE DELLA PESCA

IDEE E PROPOSTE PER L'OTTIMIZZAZIONE DEI PROCESSI (POST-CATTURA), AGGIUNTA DI VALORE AI PRODOTTI ITTICI, SVILUPPO DI MODELLI CIRCOLARI E DI SOLUZIONI PER IL RICICLO LUNGO LA FILIERA ITTICA.

- OTTIMIZZAZIONE DELLA PRODUZIONE IN FUNZIONE DELLE RICHIESTE DI MERCATO
- SERVIZI E PRODOTTI SMART
- CERTIFICAZIONE, CONTROLLO QUALITA', LABELLING, MARCHI
- NUOVI PRODOTTI, TRASFORMAZIONE, PACKAGING
- COMMERCIALIZZAZIONE, DISTRIBUZIONE, FILIERA CORTA, PUBBLICITA'
- LOGISTICA
- HORECA
- SOLUZIONI PER IL RICICLO E IL RIUSO
- UTILIZZO DEI SOTTOPRODOTTI
- MULTIFUNZIONALITA'
- FORMAZIONE E NUOVE COMPETENZE
- ORGANIZZAZIONI DI PRODUTTORI, BUSINESS MODELS

Figure 3: Posters

> *Newsletter*

Ad-hoc newsletter to launch the co-design workshop was prepared by AMAP and delivered via SEALOGY communication channels to the SEALOGY community.



APERTE LE ISCRIZIONI!
 COME FAVORIRE LO SVILUPPO SO SOSTENIBILE DELLA PESCA E DELL'ACQUACOLTURA IN ADRIATICO?
 IL PROGETTO TECHERA INCONTRA GLI ATTORI DELLA BLUE ECONOMY: WORKSHOP DI CO-PROGETTAZIONE 18 NOVEMBRE 2022 SEALOGY®

Nell'ambito delle attività del progetto [TECHERA](#) (INTERREG Italia-Croazia 2014/2020), l'Agenzia per l'innovazione nel settore agroalimentare e della pesca "Marche Agricoltura e Pesca" - in collaborazione con i partner di progetto - organizza nella cornice SEALOGY® un workshop di co-progettazione con l'obiettivo di coinvolgere gli attori dei settori della pesca e dell'acquacoltura dell'Adriatico nell'identificazione e condivisione di nuove idee e di azioni per generare innovazione sostenibile nel contesto dell'economia blu. L'evento si svolgerà in presenza il giorno 18 novembre 2022 presso la Sala "Notturmo" dalle ore 9,15 alle ore 13,30. La partecipazione è gratuita. Per registrarsi e unirsi a uno dei Gruppi di Lavoro: <https://forms.gle/B1DFDZozpFVQDEA>

Si ricorda che per accedere a SEALOGY® è necessario registrarsi al link VISITATORI: <https://ticket.sealogy.it>



Figure 4: SEALOGY Newsletter on TECHERA workshop

SEALOGY® è promosso dalla Commissione Europea, e 2022 verticalizzerà i propri focus di approfondimento intorno a tre tematiche principali: Pesca e acquacoltura, Trasporti marittimi e infrastrutture, Energia rinnovabili e marine. Sarà dunque il mare il protagonista assoluto degli appuntamenti in programma, che sarà valorizzato anche attraverso aree espositive, dimostrazioni, laboratori e show cooking.

Rimani aggiornato sul PROGRAMMA CONVEGNI → [LINK](#)

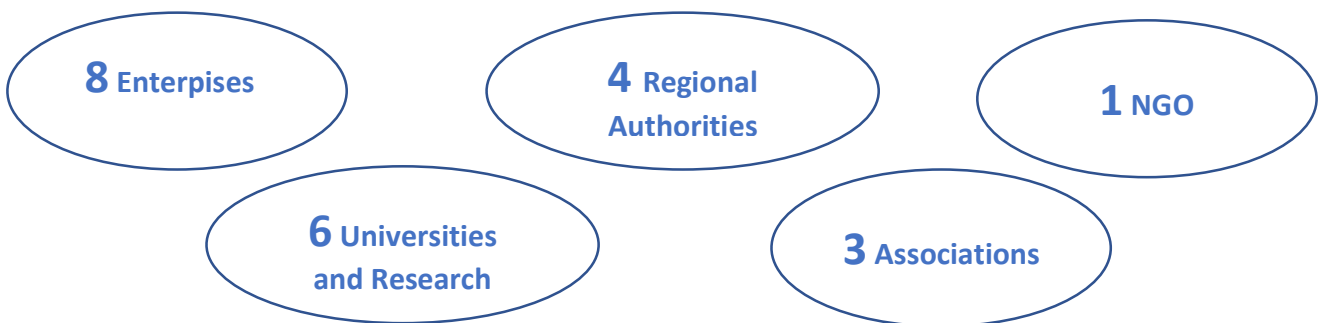
SEALOGY® è l'appuntamento innovativo in cui gli attori della filiera ittica possono condividere esperienze e know-how, sviluppare nuove opportunità di business e promuovere la conoscenza e l'implementazione dell'innovazione sostenibile.

PRENOTA IL TUO BIGLIETTO → [LINK](#)

Date and venue of the co-design workshop: SEALOGY, 18 November 2022, Ferrara (IT)
 The workshop was arranged on 18 November 2022 at the SEALOGY exhibition (Ferrara, 16-19 November 2022) to maximize the event dissemination and to reach a wider target group. SEALOGY is, in fact, one of the main exhibitions focusing on the blue economy at European level.

Participants and target group reached

The workshop was attended by more than 60 people belonging to the following categories: research and academia, enterprises, associations, NGOs, public authorities at local and regional level, sectoral agencies.




The Working Groups composition was balanced in terms of categories involved.

The co-design workshop results

The co-design workshop organized by the TECHERA intended to lay the foundation for the identification on new project ideas for the programming period 2021/2027 as well as to contribute to the Flagship paper on data-driven solutions for sea economy which will constitute two project milestone expected in 2023.

The results from each of the three working group sessions were merged into a final Report drafted in close cooperation with the facilitators that managed – together with the project partners in charge of the organization – the workshop implementation.

Results from Session 1: Fisheries management and governance

Key issues	Challenges to address
<ul style="list-style-type: none"> - The potential impact of climate change - The increasing spread of alien species - The conflict between fisheries and other uses of the sea (wind energy production, gas extraction, etc.) - The importance of promoting co-management of fisheries at the Adriatic Sea level, as well as having uniform regulation of fishing activity - The need to improve the protection of protected areas - The issue of generational change and the entry of young people into the fisheries world - The need to promote training on fisheries issues - The need to intensify relations between research, fisheries, policy makers - The lack of data - The regulation of non-commercial fisheries 	<ul style="list-style-type: none"> - Move from managing species to managing the marine space that hosts them - Shorten the data collection chain - Make fishermen into mobile and continuous research stations - Diversify fisheries by moving beyond the concept of fishing tourism - Replace equipment that destroys the seafloor - Promote scientific coordination of research in the Adriatic
	

Session 1: Project ideas canvas

> [Project idea 1.1: ENHANCED APPROACHES IN FISHERIES AND AQUACULTURE SHARED MANAGEMENT](#)

Main objective: to promote shared management of Adriatic fisheries through integration of policies, regulations, and management systems.



> [Project idea 1.2: REAL-TIME DATA COLLECTION AND SHARING](#)

Main objective: to increase the amount of data available through the active involvement of fishermen in the collection to make the fishery more efficient.



> [Project idea 1.3: ENERGY REEF, CIRCULAR REEF](#)

Main objective: to reduce conflicts between sea uses by promoting areas for restocking and protection of fish stock and marine biodiversity.



> Project idea 1.4: AAFREG – TOWARDS AN ADRIATICAL APPROACH TO FISHERIES

Main objective: to homogenize, standardize, simplify, and update fisheries regulations throughout the Adriatic basin.

Idea progetto AAFReg SIMPLY ADJUST & UPDATE COMMON REGULATIONS REGIME AS A TOOL FOR ESTABLISH ADRIATIC APPROACH TO FISHERIES

1. Bisogno da soddisfare **FISHERIES**
NEED TO SIMPLIFY THE REGULATIONS, MAKE THEM REASONABLE, UNIFORM THEM ~~IN~~ ^{IN} THE ADRIATIC

2. Cosa proponiamo
 • CRITICAL REVIEW EXISTING REGULATIONS & STATE OF RESOURCES
 • COLLECT/REVISE BIOLOGICAL DATA FOR REGULATIONS
 • ASSESSING/CONFRONTING/COMPARING EFFECTS OF \neq REGULATIONS
 → HISTORICAL ANALYSES → MARKET INFO → USE OF MODELS
 → USE OF CASE STUDIES* → USE OF LEK* (FISHERIES INFORMATION CENTER EDUC.)
 • ~~ADDRESSING~~ TESTING NEW PROPOSED MEASURES
 • FROM SINGLE SPECIESING TO SPACEING MPA, ROTATION SYSTEM OF DEEP SEA SPACEING SOUK SAN, JABUKA, VELEBIT
 • PROPOSAL OF NEW MEASURES
 • RE-ASSESSING EXISTING

3. Destinatari/utilizzatori
 → FISHERIES ADMIN ST.
 → FISHERMEN ASSOCIATIONS
 → SCIENTISTS → NGOs

4. Elementi di sostenibilità
 • FOLLOW BIOLOGICAL RITH OF SPECIES TAKING INTO ACCOUNT THE SOCIO-ECONOMIC IMPROVEMENTS
 • MOVING TOWARDS DIVERSIFICATION

5. Gruppo di lavoro
 NESO VRGOČ, HELENA BRČIĆ, TONCI BOŽANIĆ
 ALBERTO CECCACCI, IVO BENZON, SIAONO LISALATO

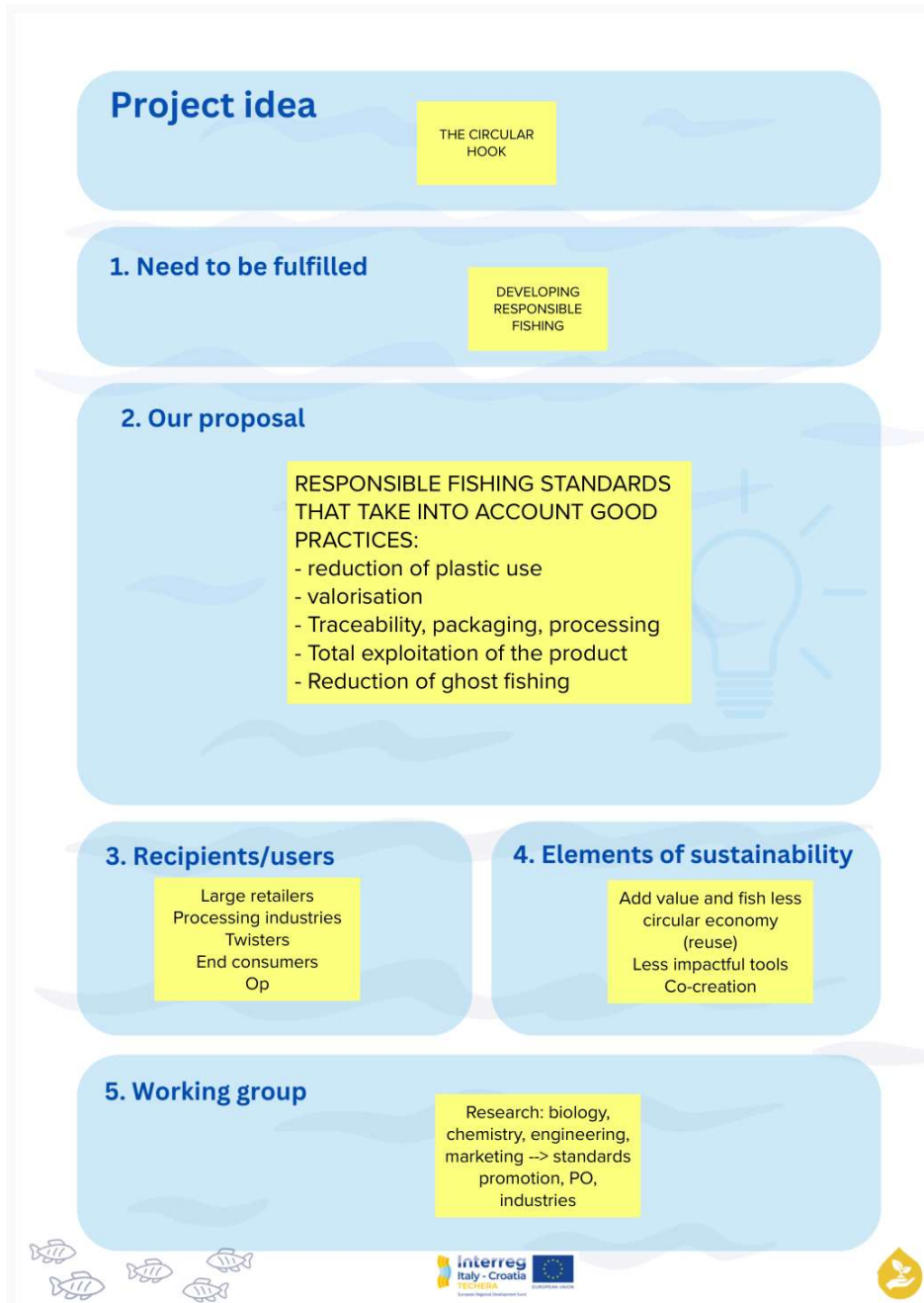
Results from Session 2: Fisheries innovation and diversification

Key issues	Challenges to address
<ul style="list-style-type: none"> - Importance of the redevelopment of the figure of the fisherman, his social and commercial role; the enhancement of the role of the fisherman, including from an ecosystem perspective - Importance of nutrition education, both of children and of the consumer in general - Enhancement of by-products, of bio components that can be used in different sectors - the difficulty of extracting these products and the need to acquire specific skills in this field also emerged - Importance of diversification and multi-functionality: in recovery, in fish tourism, and also in other activities to enhance the socio-economic aspect of small-scale fisheries of the garrison of the coastal community (including aquaculture). 	<ul style="list-style-type: none"> - Harmonisation of fisheries related tourism at transnational level - Increasing attractiveness of lesser-known marine products and services - The importance of the consumer's education and the need to work on enhancing the value of the less valuable catch to be able to give it a market (e.g., through culinary competitions, new appeal products, and the use of symbols in the packaging such as the quality indicator traffic light...) - The necessity to organize producers to optimize their activities: there is too much fishing with poor quality fish and an unresponsive market. The need to support the entrepreneurial development of producer organizations to help them grow economically. - Need for the development of product processing: there are few fish processing facilities in Italy. This results in very short product lives. It is necessary to work mainly on fresh product, and therefore there is greater price fluctuation. With an optimized processing system, one could work with all fish, not just fillets. - Need to work on optimizing packaging technology for fish product (packaging that can accompany the product from the freezer to the refrigerator to the oven).

Session 2: project ideas canvas

> [Project ideas 2.1: THE CIRCULAR HOOK](#)

Main goal/s: to develop responsible fisheries, to valorise sustainable practices and to reduce of waste.



> [Project ideas 2.2: NEXT TECH CATCH](#)

Main goal: to develop the reception of orders and consumption forecasts in order to avoid surplus production and to favour better pricing for producers.



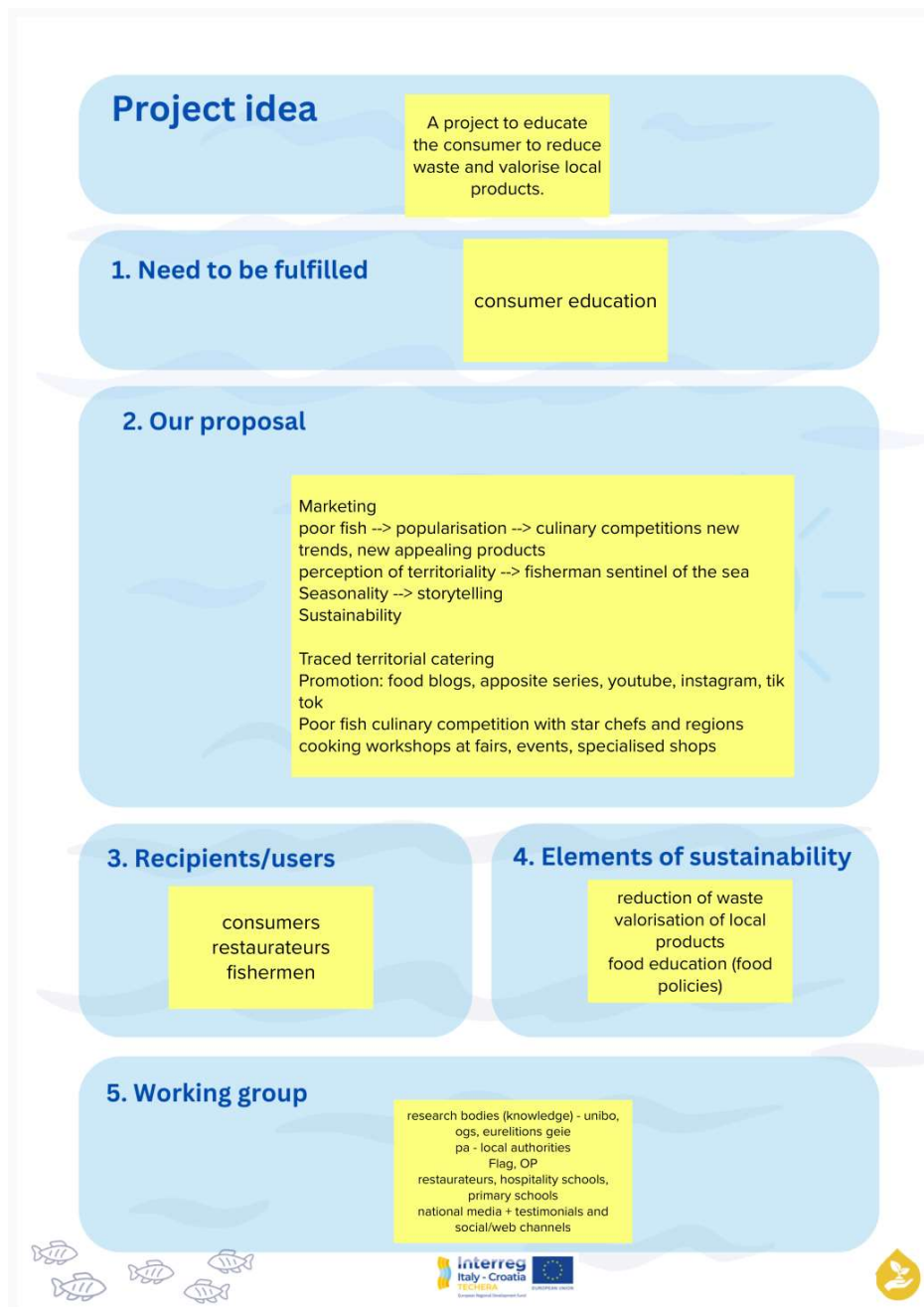
> [Project ideas 2.3: THE SEA HOUSE](#)

Main goal: to re-evaluate the figure of the 360-degree fisherman, his social, commercial and tradition-related role



> [Project ideas 2.4: EDUFISH](#)

Main goal: to strengthen consumer education for reducing waste and valorising local products



Results from Session 3: Aquaculture management and innovation

Key issues	Challenges to address
<ul style="list-style-type: none"> - It is difficult to introduce new ideas in this context, but at the same time there is a real economic challenge: the question is whether the products and processes implemented are followed up in the market. The focus is on the catering industry and final customers who are conscious of choosing sustainable and organic products and food. - A strong cultural gap between sea and land farming remains. - The aim is to take the example of salmon, which has always been valorised as an asset: this does not apply to all species, but certainly opens up reasoning on how to valorise fish and shellfish and set market prices, particularly for the Po Delta area 	<ul style="list-style-type: none"> - Business mechanisms are needed: there is currently too much fragmentation among farmers. - New approaches and technologies are available and should be more widely implemented and disseminated, also by favouring investment in these fields. - What future do we invest in? For feed there are very interesting scenarios opening up that point to insect meal (perhaps produced from invasive species with a view to a circular economy) instead of fish meal to feed farmed fish. In this sense, plant management should also be reviewed, valorising waste to produce fertiliser. - Timelines must be well defined by linking innovative projects and scientific research, which require a long period of gestation and implementation, with the need of farmers to survive by choosing more hasty ways.



Session 3: project ideas canvas

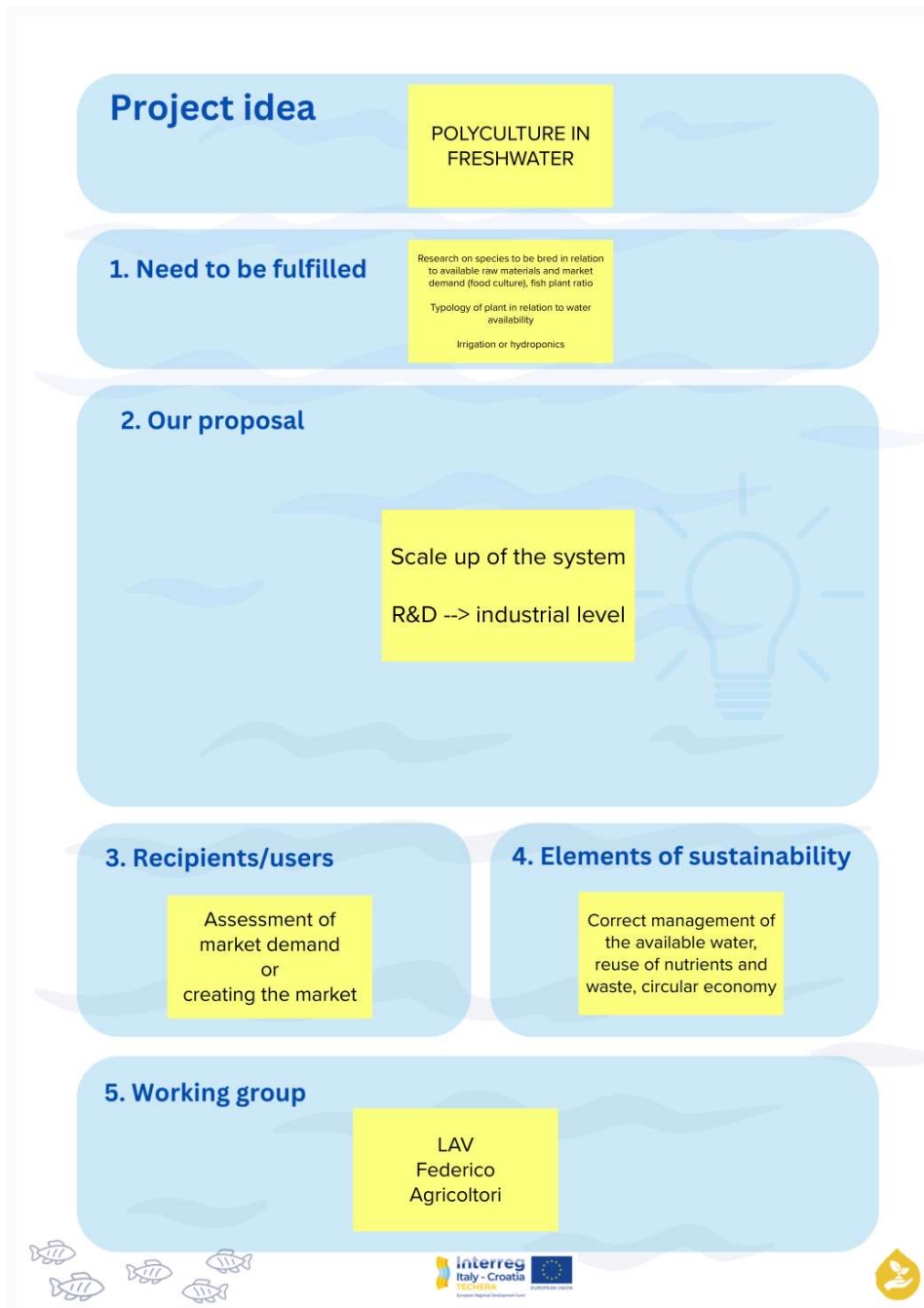
> Project ideas 3.1: ENHANCEMENT OF ECOSYSTEM SERVICES

Main goal: to develop plants for suspended macro seagrasses, but also the circular economy of shells up to blue certificates. Fishermen become sentinels of the sea to monitor as well as protect the landscape by transferring a culture of the trade.



> [Project ideas 3.2: POLY CULTURE IN FRESHWATER](#)

Main goal: to scale up and select species for breeding based on actual available resources and market demand.



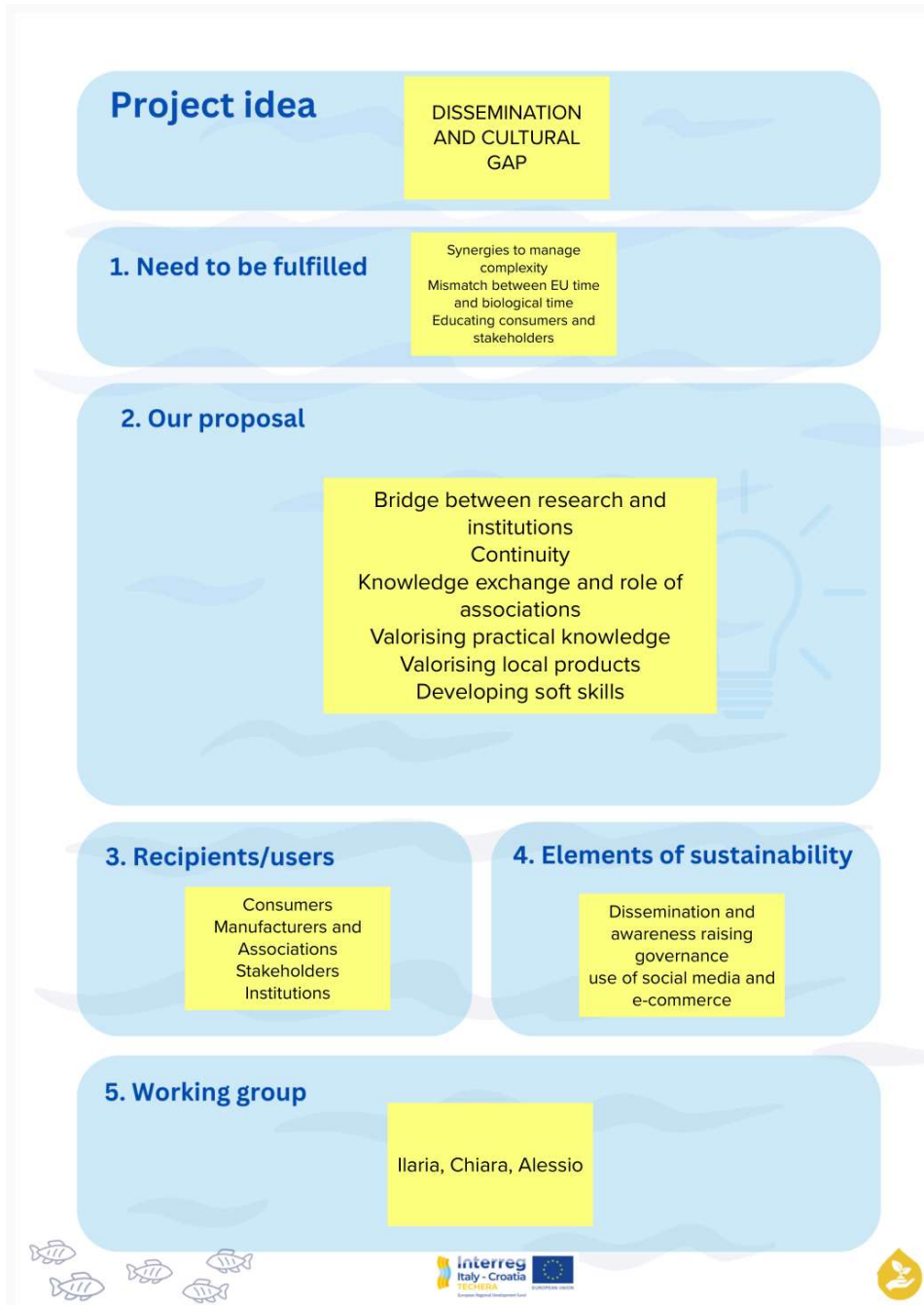
> [Project ideas 3.3: REINTRODUCING NUTRIENTS TO THE ADRIATIC](#)

Main goal: to reconsider the management of the organic fraction (salts and nutrients) in both urban and livestock and increase the carrying capacity of the system without affecting the coastal strip.



> Project ideas 3.4: DISSEMINATION AND CULTURAL GAP

Main goal: to reduce waste and promote local products, develop soft skills, and create synergies to manage complexity by means of strengthening consumer's education



The poster session and final considerations from the stakeholder perspective

At the end of the working sessions that took place in parallel, participants were asked to look at all the proposals developed and discuss them in small groups.

Several comments were thereafter collected on what was emerging from the workshop in overall terms. Here are some of the comments collected.



"It is so impressive the number of proposals that have been emerging. It will be important to examine them in the coming months, cross-referencing them with existing funding opportunities."

"Not all the ideas and proposals have the same level of innovativeness, and this needs to be considered when developing new projects"

"There is a need for more continuity: we are dealing with biological processes that take years and carry enormous complexity. This complexity involves producers (both production and marketing) as well as R&D management, marketing management, animal welfare, and the development of environmental sustainability. We would require an organization to assist us in managing this complexity: from our point of view, only associations of producers can take this role."



"Asking a somewhat blunt question: of all these projects, what's remaining? Of all those millions of euros for dealing with tomorrow, what's left? Is there a risk of starting things all and over again? So, who's going to do all that coordination and complexity management? I would propose producers' associations."



"Very often we start from solutions in order to find problems, these projects often arise because there is a funding opportunity, and then we identify the problem the project could solve. Among the issues discussed today, a very important topic has emerged among the possible topics: the fisherman-researcher. We need to involve the fisherman more. The fisherman can be like a sensor providing data/information/knowledge to the scientific world, so that in a short time the scientific world can then give feedback to fishermen again."

Annexes

Annex I - TECHERA co-design workshop agenda

Annex II -TECHERA co-design workshop list of participants

