

DORY - Capitalization actions for aDriatic marine envirOnment pRotection and ecosYstem

PA 3 – Environment and cultural heritage
 Specific Objective 3.2 - Contribute to protect and restore biodiversity
 Application ID – 10041641

Title of the deliverable	D3.2 - Meetings with local stakeholders
Work Package:	WP3 - Implementation of sustainable fisheries management model
Activity	3.2 - Testing the Cross-Border Model for Sustainable Fisheries Management on shared stocks
Partner in charge (author)	LP – Marche Region
Contributor	All Partners
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1. Introduction

The present report, corresponding to deliverable **D3.2.1-Meetings with local stakeholders** details the outcomes of the rounds of partners and stakeholders' consultations carried out in the framework of the **Activity 3.2. Testing the Cross-Border Model for Sustainable Fisheries Management on shared stocks** of the Work Package 3 (WP3) "**Piloting of sustainable and eco-certified fishery productions**" of the DORY project.

The purpose of the consultation meetings with the fishermen was to jointly propose a set of management measures of two shared stock highly exploited and of high commercial value (common sole and cuttlefish) with the aim to regulate catches including eventual technical, temporal and spatial restrictions for each fishing métier and thus contribute to the increase of the sustainability of fisheries activities.

For each measure a SWOT analysis has been prepared and analysed with operators support to assess its social, economic and environmental impact as well.

Stakeholders Consultations have been organized by the Institutional Partners the technical support from Scientific Partners to share and agree with the operators the management measures to be proposed in the cross-border model and further tested by means of the MSP advanced tool DISPLACE.

The consultations allowed to set-up a constant feedback mechanism to ensure an effective bottom-up approach and engage the stakeholders since the project beginning in the process of common and cross-border management for more sustainable fisheries activities.

2. Objectives, tasks and main findings of Activity 3.2 : Testing the Cross-Border Model for Sustainable Fisheries Management on shared stocks

The Activity linked to the stakeholders consultation is has been fundamental to collect inputs and directly involve operators in the definition of the **Cross-border model for sustainable fisheries management of Adriatic Sea targeting the common sole *Solea solea* and the cuttlefish *Sepia officinalis***.

The model includes contains key elements and operative indications for a sustainable exploitation of the target species, taking into account their ecology, spatial distribution and the seasonal market demand.

The measures for a sustainable exploitation of the stocks along with economic proficient catches have been thus identified by means of a bottom-up approach, where the operators' involvement have played a crucial role.

Here below the questionnaire that constitutes the basis for discussion and consultation on the possible management measures for cuttlefish and common sole:

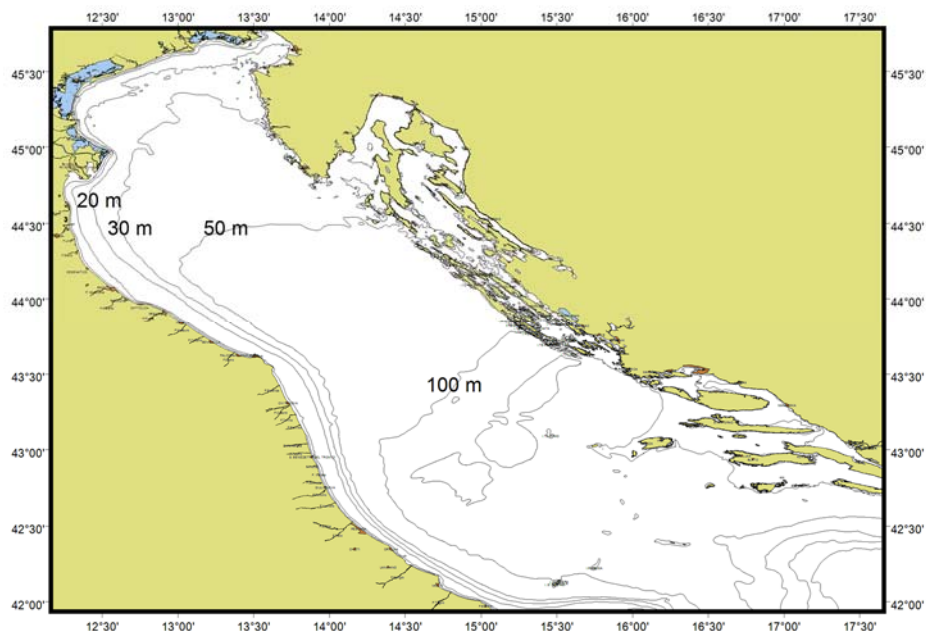
Annex I – QUESTIONNAIRE



Which kind of fishery do you belong to?

- Bottom otter trawling
- Rapido trawling
- Set gillnets
- Fyke nets
- Trammel nets
- Pots
- Stationary uncovered pound nets

1- In which area of the GSA 17 do you mainly fish?



Questions about the common sole:

2- How would you define the amount of landing in terms of abundance (number/kg) for this species over time?

- Very decreasing
- Decreasing
- Constant
- Increasing
- Very increasing

3- How would you define the economic relevance of this species?

- Very relevant
- Relevant
- Neither relevant nor irrelevant
- Irrelevant
- Very irrelevant

4- Do you believe that management measures are necessary for this species?

- Absolutely not
- No
- Yes
- Absolutely yes

5- Express an opinion on the following proposed management measures for the common sole:

A. "Sole sanctuary"

- Strongly agree
- Somewhat agree
- Neither agree nor disagree
- Somewhat disagree
- Strongly disagree

B. Increase the gillnet mesh to 72 mm (Italy) and 84 mm (Croatia)

- Strongly agree
- Somewhat agree
- Neither agree nor disagree
- Somewhat disagree
- Strongly disagree

C. Increase the minimum landing size to 25 cm TL

- Strongly agree
- Somewhat agree
- Neither agree nor disagree
- Somewhat disagree
- Strongly disagree

6- Do you have any suggestions on the management measures that can be applied for the common sole?

Questions about the common cuttlefish:

7- How would you define the amount of landing in terms of abundance (number/kg) for this species over time?

- Very decreasing
- Decreasing
- Constant
- Increasing
- Very increasing

8- How would you define the economic relevance of this species?

- Very relevant
- Relevant
- Neither relevant nor irrelevant
- Irrelevant
- Very irrelevant

9- Do you believe that management measures are necessary for this species?

- Absolutely not
- No
- Yes
- Absolutely yes

10- express an opinion of approval for the following proposed management measures for the common cuttlefish:

A. Trawling ban inside the 6 nm until the 31th October

- Strongly agree
- Somewhat agree
- Neither agree nor disagree
- Somewhat disagree
- Strongly disagree

B. To avoid cleaning traps from cuttlefish eggs

- Strongly agree
- Somewhat agree
- Neither agree nor disagree
- Somewhat disagree
- Strongly disagree

C. Adoption of active restocking initiatives (referring to EcoSea Pilot Project experiences)

- Strongly agree
- Somewhat agree
- Neither agree nor disagree
- Somewhat disagree
- Strongly disagree

11- Do you have any suggestions on the management measures that can be applied for common cuttlefish?

2.1 LP MARCHE REGION

LP Marche Region has organized the first stakeholder meeting on the 13rd of July 2018 in the premises of CNR-IRBIM (Ancona) from 15.30 to 17.30. The aim of the meeting was to share with the regional operators the status of the stock of the target species (common sole and cuttlefish), jointly analyse the most recent scientific available data and discuss on possible management measures to improve the status of the stock and better manage shared resources at Adriatic level.

The following agenda was disseminated among the Regional Stakeholders.

Il Progetto DORY “Azioni di capitalizzazione per la protezione dell’ambiente marino e la gestione ecosistemica”

WP3 – IMPLEMENTAZIONE DI UN MODELLO DI PESCA SOSTENIBILE

INCONTRO CON GLI OPERATORI REGIONALI

13 luglio 2018

Sala RIUNIONE CNR-ISMAR – LARGO FIERA DELLA PESCA 2, Ancona

15.30 – 17.30

L’incontro ha come obiettivo quello di identificare, discutere e condividere con gli operatori del settore possibili misure condivise in adriatico per la gestione di due stock di alto valore commerciale (sogliola e seppia).

Le ipotesi condivise saranno inoltre utilizzati per testare il software di Pianificazione Spaziale marittima DISPLACE tramite il quale saranno elaborati scenari e misure alternative di gestione spaziale.

15.30 – 15.45 - Saluti, presentazione dei partecipanti

Regione Marche – PF Economia Ittica, CNR-ISMAR Ancona

15.45 – 16.00 - Introduzione sul Progetto DORY: obiettivi ed attività

Regione Marche – PF Economia Ittica, CNR-ISMAR Ancona

16.00 – 16.30 - Descrizione dello stato dell’arte dei due stock presi in considerazione dal Progetto (sogliola e seppia) sulla base dei dati più recenti disponibili dalla ricerca CNR-ISMAR Ancona

16.30 – 16.45 - Condivisione delle proposte di gestione dei due stock (misure di limitazione spaziale, temporale, attrezzi, etc...) ipotizzate dall’Advisory Board del Progetto DORY

CNR-ISMAR Ancona

16.45 – 17.15 - Feedback sulle misure gestionali ipotizzate, discussione ed ulteriori proposte per migliorare la gestione

CNR-ISMAR Ancona

17.15- 17.30 - Compilazione del questionario, sintesi della discussione e dei risultati, prossimi step

Regione Marche – PF Economia Ittica, CNR-ISMAR Ancona

Chiusura del meeting

CONTATTI:

Regione Marche PF Economia Ittica
laura.gagliardini@regione.marche.it

ASSAM (Assistenza Tecnica)
frittelloni_cristina@assam.marche.it
francesca.perretta@regione.marche.it

CNR-ISMAR
fabio.grati@an.ismar.cnr.it
luca.bolognini@an.ismar.cnr.it

The meeting started at 15.30. 6 Stakeholders (Operators and representatives of fishermen association) participated to the meeting.

Marche Region as Lead Partner introduced project objectives and strategy and the different activities to be implemented.

CNR-IRBIM gave an overview on the status of the stock of the two species that the DORY project intends to analyze (cuttlefish and common sole) on the basis of the most recent survey and data available and then proposed some management measures to be discussed and agreed with the stakeholders.

The Operators discussed about the problems faced, the situation of the target species that they daily see at sea and possibilities of apply suggested measures to improve sustainability and recovery of the stock.

The questionnaire above mentioned was then submitted to the stakeholders to have a database on the inputs received from the stakeholders for the finalization of the cross-border model for sustainable fisheries management and to concretely test the measures by means of the MSP tool DISPLACE.

The involved stakeholders also joined the cross-border exchanges and received updating on the DISPLACE results and they were willing also to join the Technical Event and where the complete and final results were presented from CNR-IRBIM and they could actively participate with the Policy makers to the debate and to the recommendations for policy improvement towards environmental and social sustainability





2.2 PP1 – VENETO REGION

Veneto Region has organized the first stakeholder meeting on the 19th of December 2018 in the premises of the Veneto Region, Fisheries Department in Mestre, from 15.00 to 17.00. The aim of the meeting was to share with the regional operators the status of the stock of the target species (common sole and cuttlefish), jointly analyse the most recent scientific available data and discuss on possible management measures to improve the status of the stock and better manage shared resources at Adriatic level.

The following agenda was disseminated among the Regional Stakeholders.

Progetto DORY

Azione di capitalizzazione per la protezione dell'ambiente marino e l'approccio ecosistemico

Linee guida per l'implementazione dal modello di gestione della pesca sostenibile nell'area Adriatica (WP 3)

Seminario per gli operatori della pesca

Mercoledì 19 Dicembre 2018

Ore 15:00

Sede Regionale di Via Torino 110

Mestre Venezia

Organizzazione

Regione del Veneto
Direzione Agroambiente, Caccia e Pesca
U.O. Caccia, Pesca e FEAMP
041 279 5419-5546
agroambientecacciapesca@regione.veneto.it

Veneto Region external expertise appointed to manage the technical and scientific part of the project gave information about the status of the resources concerning the target species and the proposed management measure to be applied.

Also, an explanation was provided about the MSP tool DISPLACE, able to produce scenarios that also into account also the economic and social data, not only the environmental and biological ones. This is really crucial since the model could foresee also the incomes of the fishermen according to the different management measures.

At the meeting participated n.3 associations of fishermen operators representing the whole category at regional level.

2.3 PP2 – EMILIA ROMAGNA REGION

Emilia Romagna Region has organized two stakeholder meetings, the first one on Thursday 13rd of December 2018 h. 15.00 in Cesenatico and the second one on Friday 14th of December 2018 in Goro.

Here below the invitation disseminated among the Regional Stakeholders:



Progetto DORY

*Programma Operativo Interreg
 Italia-Croazia 2014-2020*

Seminario per gli operatori ittici

Azione di capitalizzazione per la protezione dell'ambiente marino e l'approccio ecosistemico

Linee guida per l'implementazione del modello di gestione di pesca sostenibile nell'area Adriatica (Wp3)

Azione pilota per migliorare le aree di vivaio di seppie e migliorare la biodiversità

Misure di miglioramento azioni pilota per valorizzare le aree nursery e ridurre l'impatto ecologico dell'acquacoltura (Wp4)

Regione Emilia-Romagna
 Direzione generale Agricoltura caccia e pesca
 Servizio Attività Faunistico-venatorie e Pesca

13 dicembre 2018

ore 15.00

Centro Ricerche Marine

Viale A.Vespucci, 2 **CESENATICO (FC)**

Seguirà coffe break

14 dicembre 2018

ore 15 00

Centro Ricerche Molluschi

Via Corpo delle Capitanerie di Porto, 1

GORO (FE) *Seguirà coffe break*

Iniziativa finanziata con ERDF - European Regional Development Fund - www.italy-croatia.eu



The meeting of Cesenatico (FC) was held in the “Centro Ricerche Marine”

The link with the complete registration of the stakeholder event and all the presentation held is available at the following link <http://www.maretv.eu/view.php?id=116>

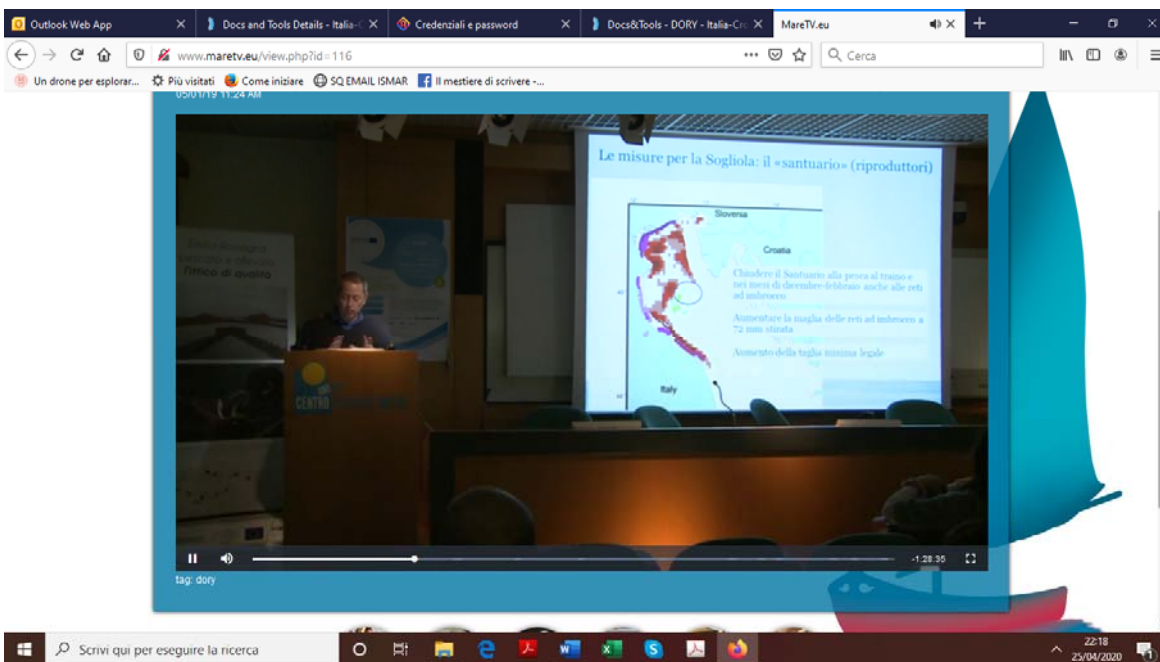
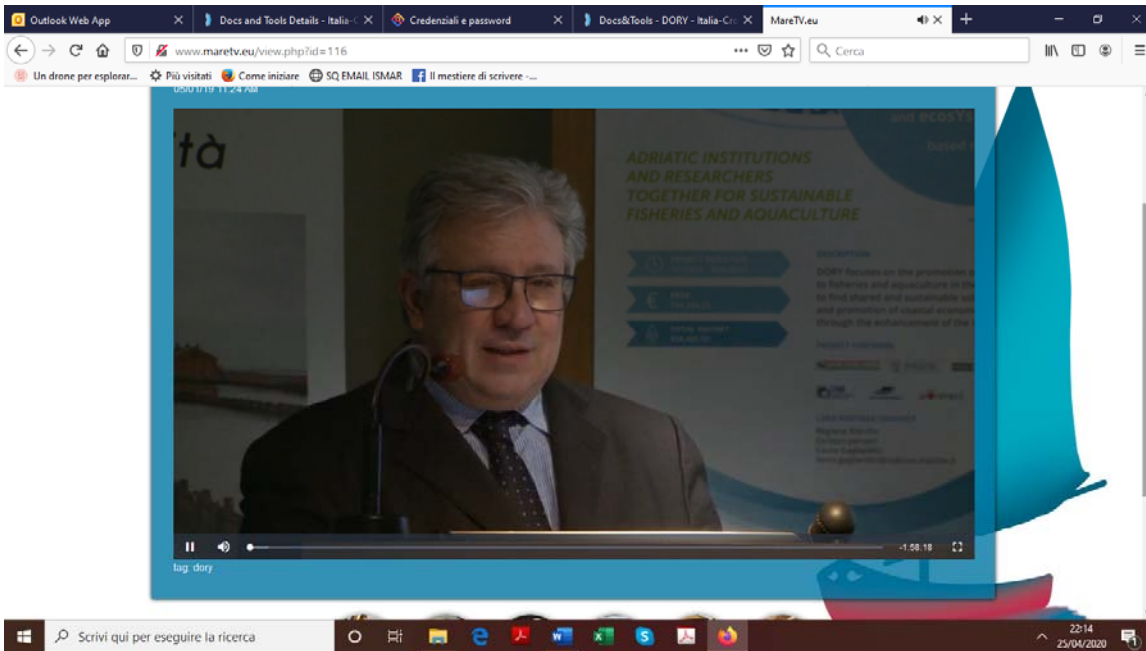
The second stakeholder meeting has been organized on Friday 14th of December - h. 15.00 in Goro (FE) in the premised Centro Ricerche Molluschi (Ex sala Provincia).

The link with the complete registration of the stakeholders event is available at the following link <http://www.maretv.eu/view.php?id=117> published on the website www.maretv.eu

Luca Bolognini from CNR-IRBIM (PP4) was present at the meeting to give at first an overview of the stock and then proposed and discuss as in the other stakeholders meeting the management measures to be applied to the cuttlefish and common sole. Furthermore, the research gave also information on the possible scenario to be tested by means the MSP advanced tool DISPLACE.

Then, representatives of the Regional Authority also gave information on the other project activities in which Emilia Romagna Region is involved, with particular reference to the Pilot Activities to test innovative restocking tools and methods within the mussels farming, capitalizing the experience of the previous ECOSEA project.





The questionnaire above mentioned was then submitted to the stakeholders to have a database on the inputs received from the stakeholders for the finalization of the cross-border model for sustainable fisheries management and to concretely test the measures by means of the MSP tool DISPLACE.

2.4 PP3 – FRIULI VENEZIA GIULIA REGION

Friuli Venezia Giulia Region has organized the first stakeholder meeting on the 6th of September 2018 in the premises of “Vecia Pescaria” Marano Lagunare (UD) from 16.00 to 18.30. The aim of the meeting was to share with the regional operators the status of the stock of the target species (common sole and cuttlefish), jointly analyse the most recent scientific available data and discuss on possible management measures to improve the status of the stock and better manage shared resources at Adriatic level. CNR-IRBIM, PP4 participated to the meeting to share the most relevant data about the status of the stock and discuss with the fishermen the possible management measures to be further tested by means of the DISPLACE tool and define the cross-border model for the sustainable management of fisheries in the Adriatic sea.

The following agenda was disseminated among the Regional Stakeholders.

Organizzazione

Con la collaborazione del Comune di Marano Lagunare
Assessorato Pesca, Pesca, Usi Civili e Patrimonio
Piazza Olivetto 1
Marano Lagunare (UD)

Informazioni

Mauro Cosolo
Tel. +39 0432 555181
Divisione centrale risorse agricole, forestali e ittiche
Servizio caccia e risorse ittiche
Via Sabbadini 31, 33100 Udine

Coordinamento progetto

Alberto Fonzo
Tel. +39 0432 555304
Direzione centrale risorse agricole, forestali e ittiche
Servizio caccia e risorse ittiche
Via Sabbadini 31, 33100 Udine




REGIONE AUTONOMA FRIULI VENEZIA GIULIA

interreg Italy - Croatia DORY

Progetto DORY
Programma Operativo Interreg Italia-Croazia 2014-2020
Azioni di capitalizzazione per la protezione dell'ambiente marino e l'approccio ecosistemico
Linee guida per l'implementazione del modello di gestione di pesca sostenibile nell'area Adriatica (WP3)

INVITO
6 settembre 2018 - "Vecia Pescaria" Marano Lagunare (UD)

Seminario per gli operatori ittici



Programma

Ore 16.00	Registrazione dei partecipanti	Ore 16.40	Illustrazione delle linee guida per l'implementazione del modello di gestione di pesca sostenibile Fabio Grati Consiglio Nazionale delle Ricerche di Ancona
Ore 16.15	Saluto dei rappresentanti del Comune di Marano Lagunare Incarichi di salute dell'Assessore alle risorse agroalimentari e forestali Stefano Zannier Introduzione del Direttore del Servizio caccia e risorse ittiche Sergio Cristante	A conclusione	Dibattito e tavola rotonda con gli operatori ittici
Ore 16.30	Finalità ed interventi del Progetto DORY Alberto Fonzo coordinatore di progetto, Servizio caccia e risorse ittiche	Seguirà	degustazione di prodotti ittici locali



Seminario per gli operatori ittici

Progetto DORY

Programma Operativo Interreg
Italia-Croazia 2014-2020



Azioni di capitalizzazione per la
protezione dell'ambiente marino
e l'approccio ecosistemico

6 settembre 2018
"Vecia Pescaria"
Marano Lagunare (UD)

*Linee guida per l'implementazione del
modello di gestione di pesca sostenibile
nell'area Adriatica (WP3)*

Regione Autonoma Friuli Venezia Giulia
Direzione Centrale risorse agricole
forestali ed ittiche
Servizio caccia e risorse ittiche, Udine



Con la collaborazione del Comune di Marano
Lagunare, Assessorato alla pesca
Piazza Olivotto 1 Marano Lagunare (UD)





Also, the questionnaires to receive data and inputs from the Stakeholders have been submitted.

Friuli Venezia Giulia Region has then organized a second stakeholder meeting during the last month of the project on the 27th of September 2019 in the premises of “Vecia Pescaria” Marano Lagunare (UD). 15 Stakeholders dealing with the fisheries and aquaculture sector participated to the meeting (fishermen, cooperative and producer’s association representatives, representative of the Municipality, representatives of Port Authority and Harbour Office, representatives of Municipality and local FLAG).

Here below the invitation sent by the staff of Friuli Venezia Giulia Region to the most relevant target group at Regional level.

Workshop per gli operatori ittici

Progetto DORY

Programma Operativo Interreg
Italia-Croazia 2014-2020



Azioni di capitalizzazione per la protezione dell'ambiente marino e l'approccio ecosistemico

**27 settembre 2019
Vecia Pescaria
Marano Lagunare (UD)**

WP3- Sperimentazioni del Modello per una gestione sostenibile di stock ittici condivisi

Regione Autonoma Friuli Venezia Giulia
Direzione centrale risorse agroalimentari, forestali e ittiche
Servizio caccia e risorse ittiche, Udine

Con la collaborazione del Comune di Marano Lagunare



Direzione centrale risorse agroalimentari, forestali e ittiche
Servizio caccia e risorse ittiche

Programma Operativo Interreg Italia-Croazia 2014-2020

**Progetto DORY - Azioni di capitalizzazione per la
protezione dell'ambiente marino
e la gestione ecosistemica**

WP3 – Sperimentazioni del Modello per una gestione
sostenibile di stock ittici condivisi

Seminario per gli operatori ittici

Pescaria Vecia, Marano Lagunare (UD) – VENERDI' 27 settembre 2019

- Ore 16.00** Registrazione dei partecipanti
- Ore 16.15** Saluto dei rappresentanti del **Comune di Marano Lagunare**

Introduzione del Direttore del Servizio caccia e risorse ittiche
Valter Colussa
- Ore 16.30** Finalità ed interventi del Progetto DORY,
Alberto Fonzo, Servizio caccia e risorse ittiche
- Ore 16.40** Condivisione delle proposte di gestione dei due stock presi in considerazione dal
progetto DORY (Sogliola e Seppia)
Luca Bolognini, Istituto per le Risorse Biologiche e le Biotecnologie Marine (IRBIM –
CNR, Ancona)

A conclusione

Dibattito e tavola rotonda con gli operatori ittici

Seguirà buffet

Con la collaborazione del
Comune di Marano Lagunare
Piazza Olivotto 1
Marano Lagunare (UD)



The meeting was aimed to present to the stakeholders the results of the scenario tested by means of the MSP tool also taking into account their inputs and cooperation. Researchers from CNR-IRBIM gave details focusing on the results of the following management measures:

- 1) **PERMANENT CLOSURE OF THE “SOLE SANCTUARY” AREA** (Figure 3) for bottom otter and rapido/rampon trawlers (both Italian and Croatian fleets): Again, the closure of this area highlights the importance of reducing the fishing pressure on vulnerable areas (e.g., spawning areas) that are considered of biological interests for commercial species.
- 2) **INCREASE OF GILLNET MESH SIZE:** Increase the selectivity of gillnet through the adoption of a 72mm stretched mesh size and increase of the common sole minimum landing size to 25 cm total length (the current one is 20 cm TL).

2.5 Croatian Partners (PP5 – RERA, PP6 – Zadar County and PP7- IOF)

The Partners from Croatia organized the stakeholders consultations jointly since the presence of the Scientific Partners, PP7 – IOF was essential to give complete information on the most recent scientific data about the target species analysed by the Project (Cuttlefish and Common Sole) and to explain the operators the process of building common management measures for a more sustainable fisheries in the Adriatic Sea that may into account the biological, social and economic data safeguarding from one side the resources and form the other side the fisheries sector and the related jobs.

Furthermore, as specified in the related Progress Reports, the stakeholder consultation meetings were not held in the Zadar since in the coastal area of the County the Common Sole does not represent a relevant stock for the fishermen.

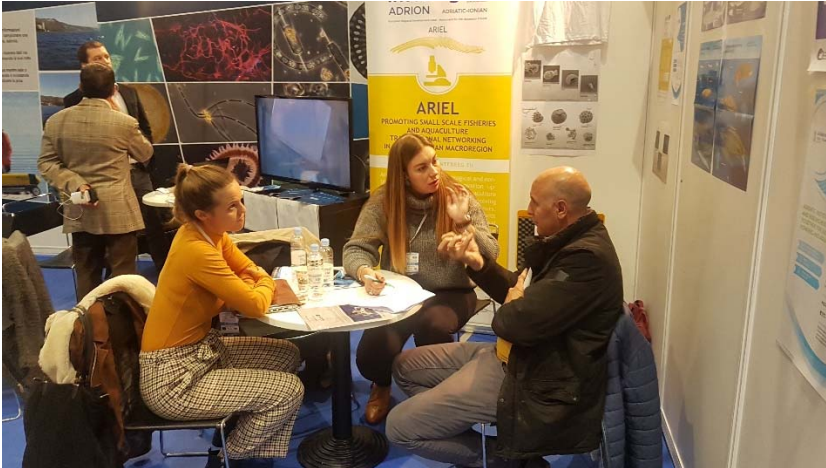
Thus, the meeting was held in the upper part of Croatia, where common sole is a stock of a paramount importance for the fisheries activities, so that the contribution of the stakeholders and the imputes towards the common management model of the target species could more interesting and valuable.

PP7, IOF shared during the meeting the most relevant data about the status of the stock and discuss with the fishermen the possible management measures to be further tested by means of the DISPLACE tool and define the cross-border model for the sustainable management of fisheries in the Adriatic Sea.

The first meeting was held in Poreč on the **07th of November 2018** where 4 representatives of fisheries sector and producers attended the meeting:



The second meeting was held in Poreč on the **23th of November 2018** contextually to the CROFISH fair where 6 representatives of fisheries sector and producers attended were consulted on the possible common management measures to be applied.



The third stakeholder consultation meeting was held in **Mali Lošinj on the 05th of February 2019** to share with 10 representatives the management measures for more sustainable fisheries in the Adriatic sea and the following scenario tested:

BASELINE SCENARIO (*status quo*): considering recent fisheries regulation routes in Italy, Croatia and Slovenia;

PERMANENT CLOSURE OF THE “SOLE SANCTUARY” AREA (Figure 3) for bottom otter and rapido/rampon trawlers (both Italian and Croatian fleets): Again, the closure of this area highlights the importance of reducing the fishing pressure on vulnerable areas (e.g., spawning areas) that are considered of biological interests for commercial species

INCREASE OF GILLNET MESH SIZE: Increase the selectivity of gillnet through the adoption of a 72mm stretched mesh size and increase of the common sole minimum landing size to 25 cm total length (the current one is 20 cm TL)



