

## Workshop in Ancona Activities 2.5.1 - 2.5.2



The workshop was held in Ancona on December 5<sup>th</sup> 2019.

The external Agency "Wilson srl" of Recanati (Italy) was commissioned to organize the event and a number of meetings took place to decide the Workshop location, people to invite, the agenda, possible invited speakers, etc.

A total of 100 invitations were sent using the EVENTBRITE platform. The target were Universities, Scientific Institutes, Scientific Cooperatives, Institutional Stakeholders.

53 participants attended the Workshop.

The workshop included three sessions:

<u>Session one</u>: Three lectures were included in this section: two lectures regarded the ecological and recreational roles of the natural and artificial reefs. A third lecture described the most recent hydrographic techniques to monitor the seabed.

<u>Session two</u>: this session was devoted to the ADRIREEF Project and concerned an introductive presentation of the project, a lecture on the technologies and monitoring tools and the presentations of the Italian and Croatian case studies.

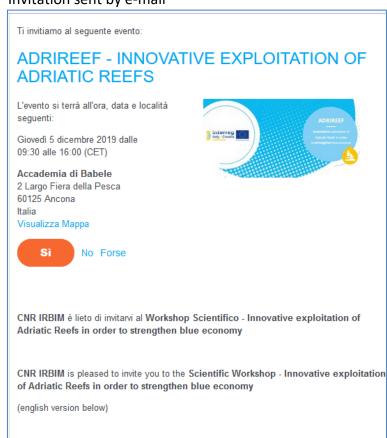
Session three: Open space technology. The topics were:

- 1. Blue Economy and Stakeholders Engagement
- 2. Priorities for sustainable use of reef resources
- 3. Barriers and accelerators for the development of Blue Economy activities
- 4. Integrated management of reef resources



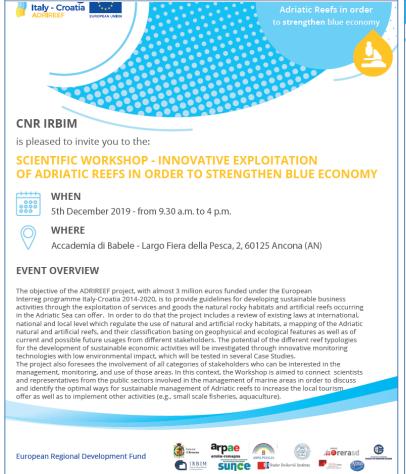
### Invitation sent by e-mail

DESCRIZIONE EVENTO





#### The formal invitation and AGENDA







## **Participants**

| Universities, Technology Transfer & Research Institutions: 32 |
|---|
| Local Regional, National Public Authorities: 17               |
| Regional Local Development Agencies: 3                        |
| SMEs: 1   |
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GIANNA FABI CNR – IRBIM, Ancona (Italy) CHAIRMAN



Gianna Fabi opened the workshop thanking the participants and introducing the Agenda. She presented all the speakers and moderate the debate.



## **Session 1 - LECTURES**

## **MASSIMO PONTI**

# UNIVERSITY OF BOLOGNA - RAVENNA CAMPUS, Bologna (Italy) INVITED SPEAKER



Massimo Ponti described the different typologies of natural and artificial reefs in the Mediterranean Sea with special attention to the Adriatic basin. Purposes of artificial reefs were explained from both ecological and economic point of view. The lecture concluded with a series of suggestion on the responsibilities in the management of artificial reefs.























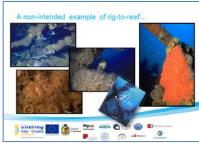










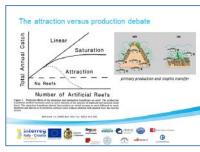
























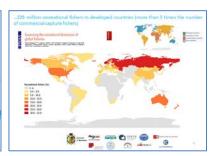
# FABIO GRATI CNR – IRBIM, Ancona (Italy) INVITED SPEAKER



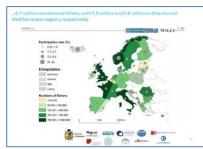
Recreational fishery has a great socio-economic importance worldwide involving more than 220 million of recreational fishers. Artificial reefs can improve this activity increasing habitat for target species having a limited habitat, mitigating stressed or destroyed habitats, and enhancing life stage survival. A series of potential uses of artificial reefs for recreational fishery management was illustrated. Finally, some examples of recreational fishing reef around the world were described.

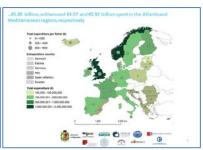






























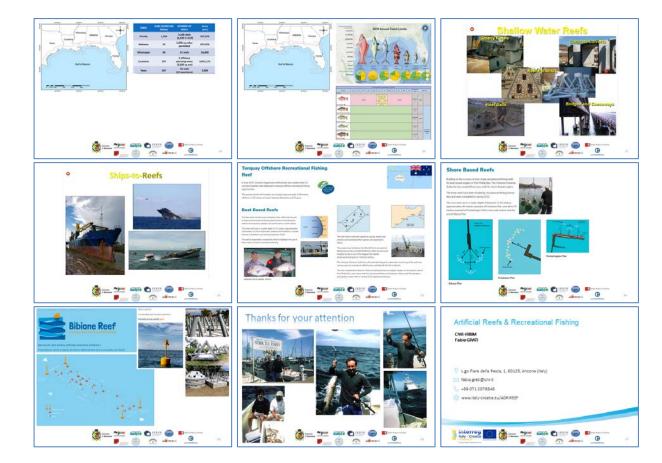














# NUNZIANTE LANGELLOTTO ITALIAN NAVY HYDROGRAPHIC INSTITUTE, Genova (Italy)

## INVITED SPEAKER

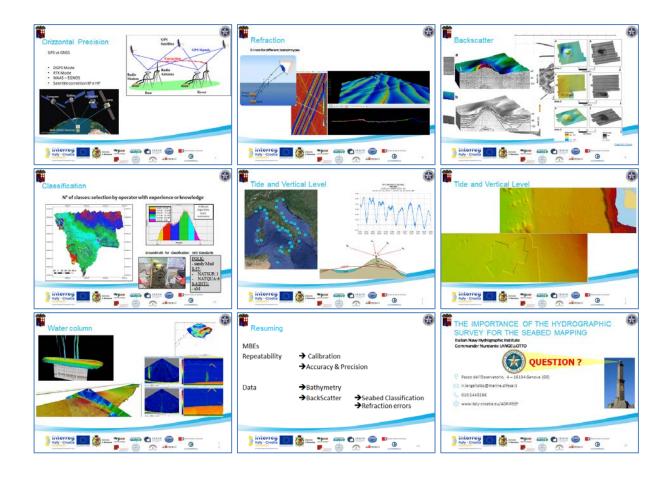


The knowledge of hard sea bottoms is very important not only from a geological, biological or ecological point of view, but also for a number of applications such as weather conditions, to understand and predict the coastal movements, etc.

Multibeam echosounder is a very suitable instrument to map seabed because it allows to obtain a lot of information, but a series of measures are required for a correct use.









### **Session 2**

# ADRIREEF PROJECT PRESENTATION GIULIA CILLANI

**MUNICIPALITY OF RAVENNA (Italy)** 



Giulia Cillani as LP described the project explaining objectives, the partnership, WPs, and the best practices. Finally, she introduced the ADRIREEF case studies.

























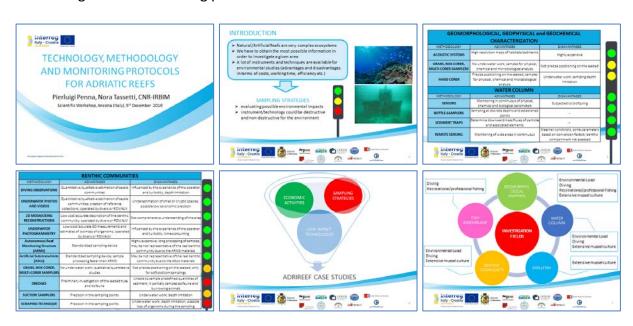




# PIERLUIGI PENNA and ANNA NORA TASSETTI CNR-IRBIM, Ancona (Italy)



Pierluigi Penna and Anna Nora Tassetti explained the most innovative technologies, methodologies and monitoring protocols for natural and artificial reefs.







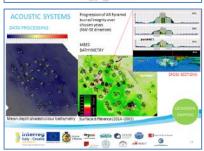


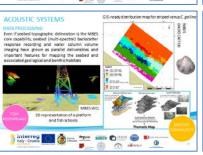










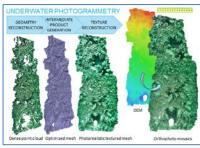
















# ADRIREEF CASE STUDIES <u>SILVIA PIGOZZI</u> and <u>MARCO PALMA</u> ARPAE EMILIA ROMAGNA, Cesenatico (Italy)







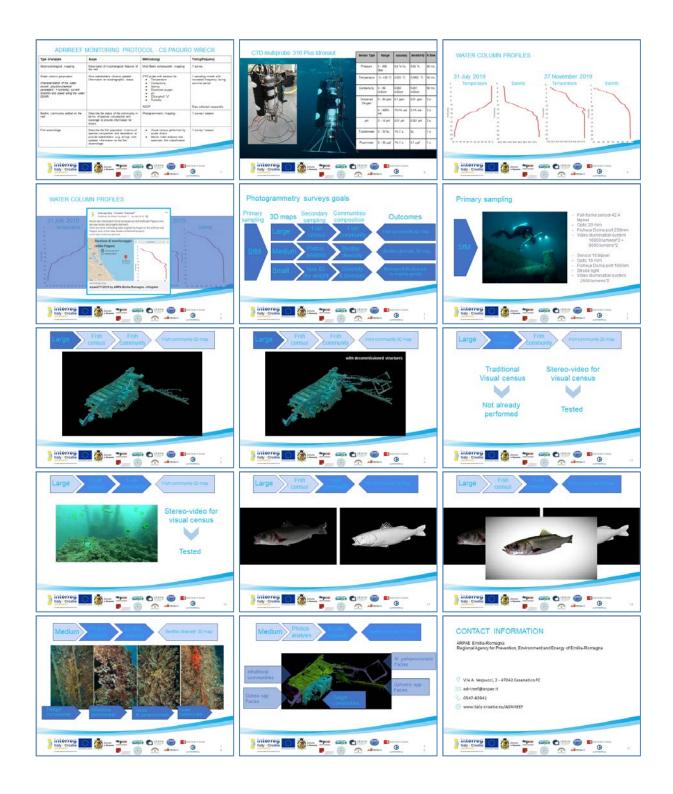














# IVO BENZON RERA, Split (Croatia)





























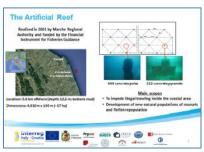




# ALESSANDRA SPAGNOLO CNR – IRBIM, Ancona (Italy)





































## **ENRICO BARBONE** ARPA PUGLIA, Bari (Italy)









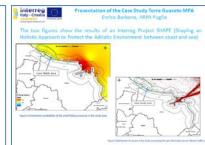






















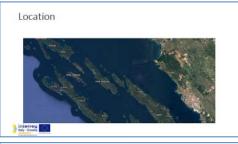


# <u>IVANA VUSKA</u> UNIVERSITY OF ZARA, Zara (Croatia)

































# **DIEGO BORME**INOGS, Sgonico (Italy)





















# IVANA ORLIC KAPOVIC UNIVERSITY OF RJIEKA, Rjieka (Croatia)













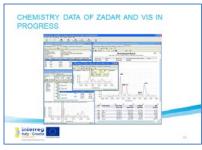




















## **Session 3 - OPEN SPACE TECHNOLOGY**

The Open Space Technology involved all the participants who rotated among the four groups providing ideas and suggestions to the different topics.



Focus 1: Blue Economy and Stakeholders Engagement

Facilitator: GIULIA CILLANI (MUNICIPALITY OF RAVENNA)



Advising activities in terms of education on natural and artificial reefs represents the main priority. A limited technical support from Institutions has been highlighted.



## Focus 2: Priorities for sustainable use of reef resources

Facilitator: Gianna fabi (CNR - IRBIM)



#### Priorities for Natural reefs:

- Map of ecosystem;
- Biocoenoses survey;
- Torre Guaceto: recreational fishing and diving are prohibited. SSF is allowed and regulated;
- Conflicts between RF and SSF;
- Reconversion of traditional fishing to recreational fishing (need to search for regional funds to support the transition);
- General absence of management plans of the reefs (linked to the absence of funds). Need to establish them.

#### Priorities for Artificial reefs:

- Temporal Monitoring;
- Strong Association Between Ar And Aquaculture (Mussels): Use Of Ar To Lighten The Exploitation Of Reefs Within Protected Areas);
- Marine Spatial Planning;
- Establish Model Of Management Of Ar Lead By Association (Establish Rules, Controls And Exploitation).



# Focus 3: Barriers and accelerators for the development of Blue Economy activities

Facilitator: Massimiliano Pinat (CNR - IRBIM)



| Barriers  | Accelerators                                       |
|---|--|
| - normative restrictions                        | -divulgation to the non-scientific community (e.g. |
| - accessibility restrictions                    | citizen science);                                  |
|   | - specific and targeted funding opportunities      |
| HR: absence of scientific studies, that lead to | Engagement of stakeholders in the management       |
| absence of data and management plans            | plan   |
| Will of changes                                 | On tourism: invest on marketing for the creation   |
|   | of a reef network                                  |
|   | Best practices exchange                            |
|   | Innovative strategies on communication and         |
|   | awareness raising                                  |



#### Focus 4: Integrated management of reef resources

Facilitator: Fabio Grati (CNR - IRBIM)



The main suggestion was the time rotation of different activities along to monitoring ones. People expressed the need to involve schools or other educational activities.

Very important is the spatial allocation providing distinct concessions to empower the possible users of the reef.

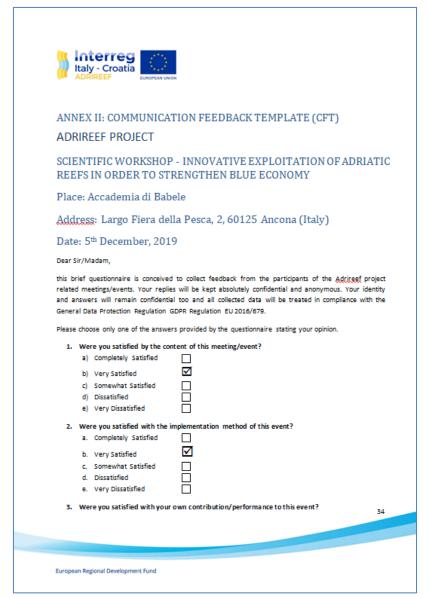
Criterions for a sustainable use of a reef are: to reduce and regulate activities and to control samples extracted from the reefs.



#### **SCIENTIFIC WORKSHOP FEEDBACK**

A few days after the workshop a feedback template was sent to the participants. Six feedbacks have been received as reported below.

#### Feedback from UNIVPM





| t<br>c      | Completely Satisfied     Very Satisfied     Somewhat Satisfied     Dissatisfied     Very Dissatisfied                   |                   |    |
|-------------|---|-------------------|----|
| a<br>t<br>c | as your expectation satisfied  Ompletely Satisfied  Very Satisfied  Somewhat Satisfied  Dissatisfied  Very Dissatisfied | ed by this event? |    |
| Why?        | dicate briefly the reasons of   | f your last reply |    |
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|             |   |                   |    |
|             |   |                   | 35 |



# Feedback from CIVIL PROTECTION

| Interreg Italy - Croatia ADRIREEF   |
|---|
| ANNEX II: COMMUNICATION FEEDBACK TEMPLATE (CFT) ADRIREEF PROJECT  |
| SCIENTIFIC WORKSHOP - INNOVATIVE EXPLOITATION OF ADRIATIC REEFS IN ORDER TO STRENGTHEN BLUE ECONOMY   |
| Place: Accademia di Babele  |
| Address: Largo Fiera della Pesca, 2, 60125 Ancona (Italy)   |
| Date: 5 <sup>th</sup> December, 2019  |
| Dear Sir/Madam,   |
| this brief questionnaire is conceived to collect feedback from the participants of the Adritect project related meetings/events. Your replies will be kept absolutely confidential and anonymous. Your identity and answers will remain confidential too and all collected data will be treated in compliance with the General Data Protection Regulation GDPR Regulation EU 2016/679.  |
| Please choose only one of the answers provided by the questionnaire stating your opinion.   |
| 1. Were you satisfied by the content of this meeting/event?  a) Completely Satisfied  b) Very Satisfied   |
| 2. Were you satisfied with the implementation method of this event?  a. Completely Satisfied X  b. Very Satisfied C. Somewhat Satisfied C. Very Dissatisfied C. Very Dissati |
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| European Regional Development Fund  |



| a. Completely Satisfied X   | a. Completely Satisfied X b. Very Satisfied  C. Somewhat Satisfied  d. Dissatisfied  e. Very Dissatisfied  b. Very Satisfied  C. Somewhat Satisfied  b. Very Satisfied  c. Somewhat Satisfied  d. Dissatisfied  why?  Please indicate briefly the reasons of your last reply | a. Completely Satisfied X b. Very Satisfied  c. Somewhat Satisfied  d. Dissatisfied  e. Very Dissatisfied  b. Very Satisfied  c. Completely Satisfied  b. Very Satisfied  c. Somewhat Satisfied  d. Dissatisfied  why?  Please indicate briefly the reasons of your last reply  I was very satisfied because I had the opportunity to learn about a new topic, different from | a. Completely Satisfied X b. Very Satisfied  C. Somewhat Satisfied  d. Dissatisfied  e. Very Dissatisfied  b. Very Satisfied  C. Somewhat Satisfied  b. Very Satisfied  c. Somewhat Satisfied  d. Dissatisfied  why?  Please indicate briefly the reasons of your last reply   Vesa very satisfied because I had the opportunity to learn about a new topic, different from |       | taly - Croatia  |
|---|--|---|---|-------|---|
| b. Very Satisfied   | b. Very Satisfied  | b. Very Satisfied   | b. Very Satisfied   | 3.    | Were you satisfied with your own contribution/performance to this event?                |
| a. Completely Satisfied   b. Very Satisfied   c. Somewhat Satisfied   d. Dissatisfied   e. Very Dissatisfied   Why?  Please indicate briefly the reasons of your last reply   I was very satisfied because I had the opportunity to learn about a new topic, different from | a. Completely Satisfied   b. Very Satisfied   c. Somewhat Satisfied   d. Dissatisfied   e. Very Dissatisfied   Why?  Please indicate briefly the reasons of your last reply   I was very satisfied because I had the opportunity to learn about a new topic, different from  | a. Completely Satisfied   b. Very Satisfied   c. Somewhat Satisfied   d. Dissatisfied   e. Very Dissatisfied   Why?  Please indicate briefly the reasons of your last reply   I was very satisfied because I had the opportunity to learn about a new topic, different from   | a. Completely Satisfied   b. Very Satisfied   c. Somewhat Satisfied   d. Dissatisfied   e. Very Dissatisfied   Why?  Please indicate briefly the reasons of your last reply   I was very satisfied because I had the opportunity to learn about a new topic, different from   |       | b. Very Satisfied  c. Somewhat Satisfied  d. Dissatisfied                               |
| Please indicate briefly the reasons of your last reply I was very satisfied because I had the Opportunity to learn about a new topic, different from  | Please indicate briefly the reasons of your last reply I was very satisfied because I had the Opportunity to learn about a new topic, different from   | Please indicate briefly the reasons of your last reply I was very satisfied because I had the Opportunity to learn about a new topic, different from  | Please indicate briefly the reasons of your last reply I was very satisfied because I had the opportunity to learn about a new topic, different from  | 4.    | a. Completely Satisfied  b. Very Satisfied  c. Somewhat Satisfied  d. Dissatisfied      |
|   |  |   |   | / was | very satisfied because I had the opportunity to learn about a new topic, different from |



# Feedback from ASSONAUTICA

| Interreg Italy - Croatia ADRIREEF  |   |
|--|---|
| ANNEX II: COMMUNICATION FEEDBACK TEMPLATE (CFT) ADRIREEF PROJECT   |   |
| SCIENTIFIC WORKSHOP - INNOVATIVE EXPLOITATION OF ADRIATI REEFS IN ORDER TO STRENGTHEN BLUE ECONOMY   | С |
| Place: Accademia di Babele   |   |
| Address: Largo Fiera della Pesca, 2, 60125 Ancona (Italy)  |   |
| Date: 5th December, 2019   |   |
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| a) Completely Satisfied b) Very Satisfied c) Somewhat Satisfied d) Dissatisfied e) Very Dissatisfied   |   |
| 2. Were you satisfied with the implementation method of this event?  a. Completely Satisfied  b. Very Satisfied  c. Somewhat Satisfied  d. Dissatisfied  e. Very Dissatisfied  |   |
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| European Regional Development Fund   |   |



| a. Completely Satisfied   | a. Completely Satisfied   b. Very Satisfied   c. Somewhat Satisfied   d. Dissatisfied   e. Very Dissatisfied   4. Was your expectation satisfied by this event? a. Completely Satisfied   b. Very Satisfied   c. Somewhat Satisfied   d. Dissatisfied   e. Very Dissatisfied   e. Very Dissatisfied | a. Completely Satisfied | a. Completely Satisfied                                | Interreg<br>Italy - Croatia  | ОН  |    |
|---|---|-------------------------|--|--|---|----|
| b. Very Satisfied  c. Somewhat Satisfied  d. Dissatisfied  e. Very Dissatisfied  4. Was your expectation satisfied by this event?  a. Completely Satisfied  b. Very Satisfied  c. Somewhat Satisfied  d. Dissatisfied  e. Very Dissatisfied  Why? | b. Very Satisfied  c. Somewhat Satisfied  d. Dissatisfied  e. Very Dissatisfied  4. Was your expectation satisfied by this event?  a. Completely Satisfied  b. Very Satisfied  c. Somewhat Satisfied  d. Dissatisfied  e. Very Dissatisfied  Why?   | b. Very Satisfied       | b. Very Satisfied                                      | 3. Were you satisfied with your  | own contribution/performance to this event? | 34 |
|   |   |                         | Please indicate briefly the reasons of your last reply | b. Very Satisfied     c. Somewhat Satisfied     d. Dissatisfied     e. Very Dissatisfied  4. Was your expectation satisfie     a. Completely Satisfied     b. Very Satisfied     c. Somewhat Satisfied     d. Dissatisfied |   |    |
|   |   |                         | 75   |  | your last reply                             |    |



## Feedback from ITALIAN NAVY HYDROGRAPHIC INSTITUTE

| Interreg Litaly - Croatia ADRIREEF EUROPEAN UNION  |
|--|
| ITALIAN TRANSLATION  |
| ALLEGATO II: MODULO DI FEEDBACK DI COMUNICAZIONE (CFT)   |
| PROGETTO ADRIREEF  |
| SCIENTIFIC WORKSHOP - INNOVATIVE EXPLOITATION OF ADRIATIC REEFS IN ORDER TO STRENGTHEN BLUE ECONOMY  |
| Luogo: Accademia di Babele   |
| Indirizzo: Largo Fiera della Pesca, 2, 60125 Ancona  |
| Data: 5 Dicembre 2019  |
| Gent. Le Signore/Signora,  |
| questo breve questionario è stato concepito per raccogliere opinioni e commenti dei partecipanti agli incontri / eventi collegati al progetto Adrireef. Le informazioni contenute, così come la Sua identità e le risposte, saranno mantenute riservate e utilizzate in forma anonima. Tutti i dati raccolti saranno trattati in ottemperanza al Regolamento Generale sulla Protezione dei Dati GDPR Regulation EU 2016/679.  Per ogni domanda, si prega di scegliere solo una delle risposte fornite dal questionario, quella che più |
| rappresenta la Sua opinione.  1. E' soddisfatto/a del contenuto di questo meeting/evento?  a) completamente soddisfatto/a  b) molto soddisfatto/a  c) in parte soddisfatto/a  d) insoddisfatto/a  e) molto insoddisfatto/a   |
| 2. E' soddisfatto/a del metodo di realizzazione di questo meeting/evento?  |
| a) completamente soddisfatto/a b) molto soddisfatto/a c) in parte soddisfatto/a  36  |
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| European Regional Development Fund   |



|                | Italy - Croatia  |
|----------------|--|
|                | d) insoddisfatto/a  e) molto insoddisfatto/a   |
| 3.             | E' soddisfatto/a del suo contributo/performance nell'ambito del meeting/evento?  a) completamente soddisfatto/a  b) molto soddisfatto/a  c) in parte soddisfatto/a  d) insoddisfatto/a  e) molto insoddisfatto/a   |
| 4.             | Le Sue aspettative sono state soddisfatte dal meeting/evento?  a) completamente soddisfatto/a  b) molto soddisfatto/a  c) in parte soddisfatto/a  d) insoddisfatto/a  e) molto insoddisfatto/a   |
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| colle          | 'ambito del Workshop sono stati effettuati interventi multidisciplinari che hanno messo in evidenza i<br>egamenti tra le varie entitò, e non solo, che operano nell'ambito del progetto e rilevato come,<br>odologie di ricerca diverse, portano a soluzioni univoche, con un confronto aperto tra gli esperti del |
| Nell'<br>colle | 'ambito del Workshop sono stati effettuati interventi multidisciplinari che hanno messo in evidenza i<br>egamenti tra le varie entitò, e non solo, che operano nell'ambito del progetto e rilevato come,<br>odologie di ricerca diverse, portano a soluzioni univoche, con un confronto aperto tra gli esperti del |
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## Feedback from PORT AUTHORITY

| (ff              | Italy - Croatia ADHIREEF   |
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| ITA              | LIAN TRANSLATION   |
| ALL              | EGATO II: MODULO DI FEEDBACK DI COMUNICAZIONE (CFT)  |
| PRO              | OGETTO ADRIREEF  |
|                  | ENTIFIC WORKSHOP - INNOVATIVE EXPLOITATION OF ADRIATION O |
| Luc              | go: Accademia di Babele  |
| Ind              | irizzo: Largo Fiera della Pesca, 2, 60125 Ancona   |
| Dat              | a: 5 Dicembre 2019   |
| Gent.            | Le Signore/Signora,  |
| rispo:<br>in ott | o breve questionario è stato concepito per raccogliere opinioni e commenti dei partecipanti agli<br>tri / eventi collegati al progetto Adrireef. Le informazioni contenute, così come la Sua identità e le<br>ste, saranno mantenute riservate e utilizzate in forma anonima. Tutti i dati raccolti saranno trattati<br>emperanza al Regolamento Generale sulla Protezione dei Dati GDPR Regulation EU 2016/679.<br>gni domanda, si prega di scegliere solo una delle risposte fornite dal questionario, quella che più  |
|                  | esenta la Sua opinione.  |
| 1.               | E' soddisfatto/a del contenuto di questo meeting/evento?  a) completamente soddisfastto/a  b) molto soddisfatto/a  c) in parte soddisfatto/a  d) insoddisfatto/a  e) molto insoddisfatto/a   |
|                  | E' soddisfatto/a del metodo di realizzazione di questo meeting/evento?   |
| 2.               | a) completamente soddisfastto/a  |
| 2.               | b) molto soddisfatto/a   |
| 2.               | b) molto soddisfatto/a c) in parte soddisfatto/a  36   |
| 2.               | c) in parte soddisfatto/a  |



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|   | hat Satisfied  |           |
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# Feedback from COOPERATIVA MARE RICERCA

| Interreg<br>Italy - Croatia<br>ADRIREEF  |
|--|
| ANNEX II: COMMUNICATION FEEDBACK TEMPLATE (CFT)  |
| ADRIREEF PROJECT   |
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| 1. Were you satisfied by the content of this meeting/event?  a) Completely Satisfied X  b) Very Satisfied   c) Somewhat Satisfied   d) Dissatisfied   e) Very Dissatisfied    e) Very Dissatisfied   |
| 2. Were you satisfied with the implementation method of this event?  |
| a. Completely Satisfied X b. Very Satisfied   c. Somewhat Satisfied   d. Dissatisfied   e. Very Dissatisfied   |
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| European Regional Development Fund   |



| 🗼 Ita       | lterreg<br>ly - Croatia<br>RIREEF   |
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| a<br>b<br>c | rere you satisfied with your own contribution/performance to this event?  a. Completely Satisfied X  b. Very Satisfied \Boxed  c. Somewhat Satisfied \Boxed  d. Dissatisfied \Boxed  e. Very Dissatisfied \Boxed  e. Very Dissatisfied \Boxed |
| a<br>b<br>c | las your expectation satisfied by this event? a. Completely Satisfied X b. Very Satisfied   c. Somewhat Satisfied   d. Dissatisfied   e. Very Dissatisfied  |
| I already   | dicate briefly the reasons of your last reply<br>y knew the ecological and biological role of the reefs and the workshop introduced me to<br>o-economic opportunities that can derive from these habitats, both natural and artificial        |
|             |   |
|             |   |
|             |   |
| European R  | egional Development Fund  |



### **ANNEX 1 – Print Review**