

**ARIEL project cod.278**  
**WPT2- Pilot activities for transnational and regional networking**

**PILOT ACTIONS GUIDELINES**

**WPT2**

**T.2.1 Pilot Actions preparatory phase**

**D T.2.1.1 Pilot Actions guidelines**

<b>Type of Document</b>	Internal use within ARIEL project partners
<b>Authors</b>	IOR in cooperation with CNR-ISMAR, Marche Region
<b>Work Package:</b>	WPT2 - Pilot activities for transnational and regional networking
<b>Version and date</b>	Version 1, September 2018

## TABLE OF CONTENTS

<b>INTRODUCTION .....</b>	<b>4</b>
<b>Activity 2.1 Pilot Actions preparatory phase .....</b>	<b>4</b>
<b>PILOT ACTIVITIES FOR TRANSNATIONAL AND REGIONAL NETWORKING: GENERAL OVERVIEW.....</b>	<b>4</b>
<b>Partners role and activities deadline .....</b>	<b>6</b>
<b>SHORT OVERVIEW OF WPT2 PILOT ACTIVITIES .....</b>	<b>9</b>
<b>BLOCK 1: INNOVATION BROKERING EVENTS (Act.2.3 of the AF).....</b>	<b>9</b>
<b>Activity 2.3 Innovation brokering for SSF and AQ: description, partners involvement and expected deliverables .....</b>	<b>9</b>
<b>Innovation brokering event .....</b>	<b>10</b>
<b>BLOCK 2 TRAINING AND CAPACITY BUILDING (Act.2.2 of the AF) .....</b>	<b>11</b>
<b>2 pilot mobility exchanges .....</b>	<b>12</b>
<b>R&amp;D best practices catalogue.....</b>	<b>12</b>
<b>Training cycles .....</b>	<b>12</b>
<b>Capacity building seminars .....</b>	<b>12</b>
<b>Policy best practices catalogue.....</b>	<b>13</b>
<b>BLOCK 3: TESTING PILOT INNOVATION (Act.2.4 of the AF) .....</b>	<b>14</b>
<b>Pilot Actions Implementation .....</b>	<b>15</b>
<b>Pilot Activities Report .....</b>	<b>15</b>
<b>BLOCK 4: TESTING PILOT INNOVATION KNOWLEDGE COMMUNITY FOR SSF AND AQ TRANSNATIONAL NETWORKING (Act.2.5 of the AF) .....</b>	<b>16</b>
<b>Atlas GIS on fishing and AQ innovation technologies .....</b>	<b>17</b>
<b>ARIEL Platform .....</b>	<b>17</b>
<b>PROJECT MAIN OUTPUTS AND TARGET GROUPS .....</b>	<b>18</b>
<b>T2.1 Pilot actions, testing of innovative solutions for SSF and AQ enterprises ...</b>	<b>18</b>
<b>T2.2 Adriatic and Ionian AQ and SSF Innovation platform (ARIEL platform) .....</b>	<b>18</b>
<b>ANNEX 1: Potential pilot actions ideas taking into account EU best practices in SSF and AQ in relation to project goals .....</b>	<b>19</b>
<b>ANNEXII: the innovation brokering events: operational hints .....</b>	<b>19</b>

## LIST OF ABBREVIATIONS

**AF:** Application Form  
**AQ:** Aquaculture  
**LP:** Lead Partner  
**PP/PPs:** Project Partner/s  
**PTSC:** Project Technical Steering Committee  
**SSF:** Small Scale Fisheries  
**KP:** Key Players

## PPs ABBREVIATION:

PP number	PP abbreviation	PP name
1 (LP)	CNR-ISMAR	National Research Center
2	REMA	Marche Region
3	IOR	Institute of Oceanography and Fisheries
4	RERA	Public Institution RERA SD for Coordination and Development of Split Dalmatia County
5	HCMR	HELLENIC CENTRE FOR MARINE RESEARCH
6	IMBK	University of Montenegro – Institute for marine biology
7	RESI	Sicily Region - Mediterranean Fisheries Department - Sicilian Region
8	MoARD	Ministry of Agriculture and Rural Development
9	RWG	Region of Western Greece

## INTRODUCTION

The present document refers to the activity T.2.1 “Pilot Actions preparatory phase” related to WP No. T2 - of "WP3 - Pilot activities for transnational and regional networking" and is aimed at defining the Pilot Actions guidelines:

- to ensure the smooth WP implementation by detailing each partner role, the internal work plan and timeframe
- for pilot actions implementation and for coordinating partners in deliverables achievement

WP leader is being responsible for drafting common guidelines for pilot actions, implementation and for coordinating partners in deliverables achievement.

### Activity 2.1 Pilot Actions preparatory phase

The activity aims to ensure the smooth WP implementation by:

- defining WP common guidelines for the WP implementation:
  1. role and responsibility of each partner,
  2. training and capacity building structure and contents
  3. actors’ involvement/aggregation and innovation brokering modalities
  4. pilot activities structures,
  5. Innovation community setting-up
- fine-tuning the framework analyses results to identify
  1. core topics and contents for training and capacity building actions
  2. innovation brokering at regional level
  3. Pilot activities implementation.

#### Deliverables:

- T2.1.1 Pilot Actions guidelines drafted by IOR, WPT2 leader

## PILOT ACTIVITIES FOR TRANSNATIONAL AND REGIONAL NETWORKING: GENERAL OVERVIEW

The WPT2 “Pilot activities for transnational and regional networking” aims to:

- Increase/strength skills and competences
- Support innovation exchange/up taking
- Promote R&D investments in SSF and AQ
- Promote networking initiatives at regional & transnational level
- Bridge the gap between science and practice by addressing need for more practical tools promoting ecosystem-based management

To these, WP foresees concrete and replicable cooperation schemes among research-policy makers-operators of SSF and AQ sectors on common and crosscutting challenges:

1. Key enabling technologies and capacity creation, improved harvest and post-harvest technological and market researches for more cost-effective and sustainable solutions, effective resources.
2. Co-management, science based policies.
3. Common challenges will be tackled by common and crosscutting approach on which WP has been designed but specific contents and core topics will be selected by each partner in respect of territorial specific needs and strengths (emerged in previous WP).

WP approach includes:

- Transnational activities to address knowledge exchange among Adriatic-Ionian researchers to jointly identify best practices and common research challenges as well as to enhance research & academia pivotal role in transferring research towards policy makers and entrepreneurs.
- Regional training and pilot activities for SSF and AQ SMEs to enhance co-management, support adoption of innovative technologies and managerial approaches for common challenges and specific needs.
- Regional Capacity building actions for policy makers to support and address science-based policies adoption and promote co-management within cross-sectoral stakeholders. Institutional partners arrange events at their level in cooperation with scientific partners.
- Transnational Innovation Community as a virtual place where SSF and AQ actors can exchange knowledge. RESI sets up the platform, all PPs contributes to update, preparatory action is foreseen for WP coordination.

The WP is structured as from the table below:

#### WPT1 Activities, duration and expected deliverables

WP's ACTIVITIES	DURATION	DELIVERABLES
<b>T.2.1 Pilot Actions preparatory phase</b>	September 2018	<b>D.2.1.1</b> Pilot Actions guidelines
<b>T.2.2 Training and Capacity building</b>	September 2018 – September 2019	<b>D.2.2.1</b> Pilot mobility exchanges <b>D.2.2.2</b> SSF and AQ R&D transnational best practices <b>D.2.2.3</b> Training kit for SSF operators <b>D.2.2.4</b> Training kit for AQ operators

		<b>D.2.2.5</b> Capacity building seminars <b>D.2.2.6</b> Policy best practices catalogue
<b>T.2.3 Innovation brokering for SSF and AQ</b>	September 2018 – December 2018	<b>D.2.3.1</b> Innovation brokering events <b>D.2.3.2</b> Innovation brokering regional report <b>D.2.3.3</b> ADRION SSF and AQ Innovation brokering report
<b>T.2.4 Testing Pilot Innovation in SFF and AQ</b>	October 2018 - September 2019	<b>D.2.4.1</b> Pilot Activities Report
<b>T.2.5 Pilot Innovation Knowledge Community for SFF and AQ transnational networking</b>	October 2018 – December 2019	<b>D.2.5.1</b> Atlas GIS on fishing and AQ innovation technologies <b>D.2.5.2</b> ARIEL Platform

#### Partners role and activities deadline

The project has been conceived to ensure joint developing of each WP, thus each partner will contribute to WP implementation according to their competences.

- Scientific institutions (CNR, IOR, IMBK, HCMR)
- Institutional partners (REMA, RESI, RERA, MOARD, RWG)

The tables below detail the role of each partner per activity and expected deliverables:

#### ACTIVITY T.2.1: Deliverables and PPs roles

ACTIVITY T.2.1 DELIVERABLE	Responsible	PPs role	Delivery month
<b>D.2.1.1</b> Pilot Actions guidelines	IOR	All partners contribute and validate	September 2018

#### ACTIVITY T.2.2 : Deliverables and PPs roles

ACTIVITY T.2.2 DELIVERABLE	Deliverable responsible	PPs role	
<b>D.2.2.1</b> Pilot mobility exchanges	HCMR & IOR	HCMR and IOR contribute	March 2019
<b>D.2.2.2</b> SSF and AQ R&D transnational best practices	IOR	HCMR, IMBK and CNR-ISMAR contribute	March 2019
<b>D.2.2.3</b> Training kit for SSF operators	IOR	All PPs contribute	September 2019

<b>D.2.2.4</b> Training kit for AQ operators	IOR	All PPs contribute	September 2019
<b>D.2.2.5</b> Capacity building seminars	Arranged by: REMA, RESI, RERA, RWG, MoARD	All PPs contribute	September 2019
<b>D.2.2.6</b> Policy best practices catalogue	Drafted by REMA	RERA, RESI, RWG and MoARD contribution	March 2019

#### ACTIVITY T.2.3: Deliverables and PPs roles

ACTIVITY T.2.3 DELIVERABLE	Deliverable responsible	PPs role	Delivery month
<b>D.2.3.1</b> Innovation brokering events	Organized by: REMA, RESI, IOR, IMBK, HCMR	With a support of Innovation and Knowledge broker	November 2018
<b>D.2.3.2</b> Innovation brokering regional report	REMA, RESI, IOR, IMBK, HCMR	Support of Innovation and Knowledge broker experts	December 2018
<b>D.2.3.3</b> ADRIATIC-IONIAN SSF and AQ Innovation brokering report	Drafted by IOR	All partners contribute	December 2018

#### ACTIVITY T.2.4: Deliverables and PPs roles

ACTIVITY T.2.4 DELIVERABLE	Deliverable responsible	PPs role	Delivery month
<b>D.2.4.1</b> Pilot Activities Report	Drafted by IOR		September 2019

#### ACTIVITY T.2.5: Deliverables and PPs roles

ACTIVITY T.2.5 DELIVERABLE	Deliverable responsible	PPs role	Delivery month
<b>D.2.5.1</b> Atlas GIS on fishing and AQ innovation technologies	Developed by CNR	IOR, HCMR and IMBK contribution	December 2019
<b>D.2.5.2</b> ARIEL Platform	RESI sets up and manage the platform	Delivery and valorising data collection by each partner	December

The WPT2 pilot activities are divided in the following main blocks outlined in the table below:

PHASE	DESCRIPTION	EXPECTED DELIVERABLES
<b>Block 1</b> <b>Innovation Brokering Events (Act.2.3 of the AF)</b> <b>Nov 2018</b>	The activity aims at connecting SSF and AQ actors to speed-up innovation by the development and implementation of regional innovation brokering events to facilitate the exchange of knowledge and to establish a dialogue between the SSF and AQ sector and research community	<ul style="list-style-type: none"> <li>- D.T. 2.3.1 n.4 Innovation Brokering events</li> <li>- D.T. 2.3.2 n.4 Innovation Brokering Regional Report</li> <li>- D.T. 2.3.3 n.1 ADRIATICO-IONIAN SSF and AQ Innovation Brokering Report</li> </ul>
<b>Block 2</b> <b>Training and Capacity Building (Act.2.2 of the AF)</b> <b>Dec 2018- Sept 2019</b>	The activity aims to create a common knowledge framework for innovation by addressing knowledge fragmentation on SSF and AQ and providing innovative skills to facilitate access to innovation and R&D	<ul style="list-style-type: none"> <li>- D.T.2.2.1 n.2 Pilot mobility exchanges</li> <li>- D.T.2.2.2 n. 1 SSF and AQ R&amp;D transnational best practices catalogue</li> <li>- D.T.2.2.3 n.4 Training Kits for SSF operators</li> <li>- D.T.2.2.4 n.4 Training Kits for AQ operators</li> <li>- D.T.2.2.5 n. 4 Capacity building seminars</li> <li>- Policy best practice catalogue</li> </ul>
<b>Block 3</b> <b>Testing Pilot Innovation (Act.2.4 of the AF)</b> <b>Oct 2018– Sept 2019</b>	Based on innovation brokering findings, activity aims to test innovative solutions embodying ecological, technological and economic aspects for SSF/AQ sustainable growth.	<ul style="list-style-type: none"> <li>- D.T. 2.4.1 n.4 Pilot Activities Report</li> </ul>
<b>Block 4</b> <b>Testing pilot innovation knowledge community for SSF and AQ transnational networking</b> <b>Oct 2018– Sept 2019</b>	The activity aims to: - set-up the ARIEL platform to serve as virtual place for networking where different actors (research, policy, operators) can meet, exchange know-how and cooperate as well as a place for ideas generation and solutions exchange. The platform shall be set up by Sicilian Region by the end of 2018 and shall be updated on going. Partners will give contribution to the draft structure and will update it ongoing.	<ul style="list-style-type: none"> <li>- D.T.2.5.1 n.1 Atlas GIS on SSF and AQ innovation technologies</li> <li>- D.T. 2.5.2 n.1 ARIEL Platform</li> </ul>



	- to set-up a Atlas GIS on fishing and AQ innovation where all information on best practices, R&D results can be included. It shall be ready by the end of the project thus partners will have time to discuss the action in details	
--	--	--

## SHORT OVERVIEW OF WPT2 PILOT ACTIVITIES

The WPT2 is dedicated to pilot actions addressed towards different key players both at regional and transnational level.

The pilot activities are divided in the following main blocks (corresponding to the listed WPT2 activities laid down in the AF) in chronological order:

### BLOCK 1: INNOVATION BROKERING EVENTS (Act.2.3 of the AF)

#### Timeframe: November – December 2018

The pilot action consists in the application of an interactive and bottom-up approach to stimulate different actors of SSF and AQ (operators-advisors- academia/research/ - policy makers...) grouping (in WG working groups) and discussing around core topics for innovation speed-up.

Specifically, it will be realized in the form of events where the regional actors will be grouped according to their specific interest/influence on a topic (e.g. Traceability of seafood...) and will be facilitated by moderators/facilitators in sharing day by day needs to find quick and fit-for-purpose solutions to be put in practices that can be technological and non-technological. This will fully exploit the knowledge and experiences that these different actors from different levels will bring in the groups that will be formed. The approach reflects the one already tested also in Marche under the European Innovation Partnership in Agriculture as well as the EU Operational Groups approach (please visit: <https://ec.europa.eu/eip/agriculture/en/search/site/operational%20groups>).

The Pilot actions will consist in n. 4 innovation brokering event and related summary reports.

#### Activity 2.3 Innovation brokering for SSF and AQ: description, partners involvement and expected deliverables

The activity aims at connecting SSF and AQ actors to speed-up innovation by the development and implementation of regional innovation brokering events to facilitate the exchange of knowledge and to establish a dialogue between the SSF and AQ sector and research community.

- **Scientific Experts and researchers:**
  - available R&D solutions to SSF and AQ SMEs during the Innovation brokering
- **SSF and AQ SMEs**
  - outline innovation needs
- **Policy makers**

- get insights for development of fit-for-purpose innovation policies and funding schemes.

### Innovation brokering events

The Deliverable consists in the organization of n.1 event at territorial level and moderated by experts providing strategic inputs for ideas generation and facilitating multi-way information exchange.

- setting-up of regional SSF and aquaculture cross-sectoral working groups (WG)
- detect innovative solutions that can be more easily put into practice at each territory level for technologies and managerial innovation

Partners themselves can be part of these groups. **Scientific experts and researchers will make available R&D solutions, SSF and AQ SMEs will outline innovation needs and policy makers will get insights for development of fit-for-purpose innovation policies and funding schemes.**

- Marche Region will share the tested methodology on how conducting this kind of event: from the role of the facilitator to the reporting summary.
- All partners will be asked to identify a list of core topics on which stimulating the discussion at the innovation brokering that can also emerged from regional analyses.
- Already listed some common topics in the application form:
  1. **SSF and AQ supply chains operators,**
  2. **environmental sustainability,**
  3. **innovative fishing and AQ technique,**
  4. **traceability and quality,**
  5. **seafood products branding**
  6. **policies upgrading,**
  7. **better governance and clustering initiatives**

\*Additional ones can be also fine-tuned on the specific needs of a territory collected during the WPT1 framework analyses.

### Innovation brokering regional report

The Pilot actions will consist in n. 4 innovation brokering event and related summary reports (December, 2018)

- Report on each regional brokering event findings and idea generated with the support of Innovation and Knowledge broker experts. Report will include agenda and list of participants.

### ADRION SSF and AQ Innovation brokering report

Finally, the Regional events report will be summed up in unique one by IOR.

- Report to summarize the regional brokering events findings at project level

**Deliverables list, partner's role & deadline:**

- T2.3.1 Innovation brokering events
- T2.3.2 Innovation brokering regional report
- T2.3.3 ADRIATIC-IONIAN SSF and AQ Innovation brokering report

ACTIVITY T.2.3 DELIVERABLE	Deliverable responsible	PPs role	Delivery month
<b>D.2.3.1</b> Innovation brokering events	Organized by: REMA, RESI, IOR, IMBK, HCMR	With a support of Innovation and Knowledge broker	November 2018
<b>D.2.3.2</b> Innovation brokering regional report	REMA, RESI, IOR, IMBK, HCMR	Support of Innovation and Knowledge broker experts	December 2018
<b>D.2.3.3</b> ADRIATIC-IONIAN SSF and AQ Innovation brokering report	Drafted by IOR	All partners contribute	December 2018

**BLOCK 2 TRAINING AND CAPACITY BUILDING (Act.2.2 of the AF)**

**Timeframe: December 2018- September 2019**

Taking as assumption that training needs both at ADRIATIC-IONIAN and regional level emerged from the SSF and AQ framework analyses (that's why it is asked to collect specific information in audit and consultation). The Pilot actions consist in:

- N.2 pilot mobility week
- training kits for the SSF and AQ operators in the form of training modules
- N.4 Capacity building seminars addressed towards policy makers

**Activity 2.2 Training and Capacity building: description, partner's involvement and expected deliverables**

Activity aims to create a common knowledge framework for innovation by addressing knowledge fragmentation on SSF and AQ and providing innovative skills to facilitate access to innovation and R&D results of:

• **Researchers:**

2 pilot mobility exchanges (**HCMR and IZOR**) addressed towards researchers/technicians (the key players selected in previous WP) dealing with SSF and AQ issues, including the scientific partners themselves. The mobility weeks will be held as follow:

1<sup>st</sup> in Greece arranged by HCMR

2<sup>nd</sup> in Split arranged by IOR

- The mobility exchanges programme can be jointly proposed by the partners in charge to the PTSC also taking into consideration what emerged from innovation on research actors as well as from the innovation needs collected at operator's level and policy makers.
- The leading principle is how to effectively link science to practical needs of operators and how research can help and support SSF and AQ policies.
- The mobility can e.g. consist in workshops organization, meeting with operators, survey...The exchanges outcomes will also contribute to the transferring WPT3 which foresees the drafting of a research agenda and technical & Policy recommendations.

R&D best practices catalogue, working on common challenges.

• **SSF and AQ supply chains operators:**

Training cycles structured in:

1. common module of transnational value as environmental sustainability, innovative fishing and AQ techniques (IMBK with CNR-ISMAR, IZOR and HCMR)
  - traceability and quality module (drafted by REMA with HCMR)
  - seafood products branding module (drafted by RERA with RESI, HCMR)
2. module targeted on regional needs (IZOR with RERA, IMBK with MoARD, HCMR with RWG, CNR-ISMAR with REMA and RESI).

Definition of training kits for the SSF and AQ operators in the form of training modules (that can be also uploaded in the forthcoming ARIEL Platform also in the form of Smart Learning Object). The training kits shall consist in:

- 1 transnational modules common for the whole project area on at least the following topics: sustainable fishing and AQ techniques, traceability, quality and branding of seafood products (common branding under certain criteria and of EUSAIR value)
- 4 module reflecting the regional training needs

Modules can be delivered both in frontal lessons and in e-learning (on the ARIEL Platform)

• **Policy makers**

Capacity building seminars (arranged by REMA, RESI, RERA, RWG, MoARD)

Capacity building seminars addressed towards policy makers facilitated by research that aim to give science –based inputs to policy. The general structure of the seminars shall be agreed and common.

- Contents shall take into account previous activities outcomes ARIEL intends to apply an interactive and bottom-up model to innovation speed-up and uptake in SSF and AQ, which are two key sectors for Blue Growth in EUSAIR.
- The project will contribute to overcome: the high level of heterogeneity of fisheries and aquaculture research and the lack of effective cooperation among institutional, socio-economic and technical actors to address main sectoral innovation challenges.

### Policy best practices catalogue

The expected Deliverable consists in a Catalogue of institutional measures that can serve as “best practices” thanks to their support to innovation governance in small scale fisheries and aquaculture, to blue growth multi-actors clusters/aggregations setting-up and functioning. Best practice can also deal with other policy domains in addition to the fisheries and aquaculture ones.

The Deliverable will contribute to the WPT3 “Transferring” which is aimed at providing strategic and operational guidelines to promote long-term, multi-disciplinary and science-based innovation governance for the Adriatic-Ionian small scale fisheries and aquaculture sectors.

### Deliverables list, partner’s role & deadline:

- T2.2.1 Pilot mobility exchanges
- T2.2.2 SSF and AQ R&D transnational best practices
- T2.2.3 Training kit for SSF operators
- T2.2.4 Training kit for AQ operators
- T2.2.5 Capacity building seminars
- T2.2.6 Policy best practices catalogue

ACTIVITY T. 2.2 DELIVERABLE	Deliverable responsible	PPs role	
<b>D.2.2.1</b> Pilot mobility exchanges	HCMR & IOR	HCMR and IOR contribute	March 2019
<b>D.2.2.2</b> SSF and AQ R&D transnational best practices	IOR	HCMR, IMBK and CNR-ISMAR contribute	March 2019
<b>D.2.2.3</b> Training kit for SSF operators	IOR	All PPs contribute	September 2019
<b>D.2.2.4</b> Training kit for AQ operators	IOR	All PPs contribute	September 2019
<b>D.2.2.5</b> Capacity building seminars	Arranged by: REMA, RESI, RERA, RWG, MoARD	All PPs contribute	September 2019

<b>D.2.2.6</b> Policy best practices catalogue	Drafted by REMA	RERA, RESI, RWG and MoARD contribution	March 2019
--	-----------------	--	------------

### BLOCK 3: TESTING PILOT INNOVATION (Act.2.4 of the AF)

#### Timeframe: October 2018 – Sept 2019

Taking the grounds from innovation brokering events where technological and non-technological solutions for day by day needs have been identify and discussed in the multi-actor's groups (the WG – Working Groups), the pilot action consists in testing those solutions in 3 vessels/area and 2 farms/area for each involved regions. Pilot activities shall be in coherence with innovation targets and of course with sustainability criteria and shall be managerial and/or technical (e.g. testing environmental friendly techniques in AQ, spatial-temporal information collection), the contents of the activities can be fine-tuned and better detailed by partners.

#### Activity 2.4 Testing Pilot Innovation in SFF and AQ: description, partner's involvement and expected deliverables

ARIEL intends to promote the identification, sharing and adoption of technological and non-technological solutions quicker to put in practice for day –by –day needs of small scale fisheries and aquaculture actors of the ADRIATIC-IONIAN area.

Given the interactive and bottom-up approach underpinning the project, the pilot actions will be based on:

- Small scale fisheries and aquaculture framework analysis findings (stakeholder consultation, audits, desk survey and regional and ADRIATIC-IONIAN reports)
- Innovation brokering events

Pilot actions shall be in coherence with innovation targets and of course, with sustainability criteria, the contents of the activities can be fine-tuned and better detailed by partners.

Pilot actions will be moreover supported by the training and capacity building actions that the project partners will implement at regional and transnational level.

Pilot actions shall be implemented by scientific partners in close cooperation with institutional partners.

*The project budget of scientific partners includes the budget line "Equipment" for the provision of pilot actions kits for vessels/farms.*

*The SSF and aquaculture kits include thematic and functional equipment items for the implementation of pilot actions in the "Activity 2.4 Testing Pilot Innovation in SFF and AQ" and will be used exclusively for project purposes.*

*The SSF and aquaculture kits foresee a set of small tools such as selective gillnets, fish traps, biodegradable materials for mussel farming such as mesh sleeves/tubes, “socks”, with:*

*- a general low value asset*

*- short lifespan being subject to wear (sea wear) due to pilot actions use and being - where possible - biodegradable*

*Given the mentioned grounds, no depreciation cost will be applied*

*Please note that ICT tools themselves are not included in the ARIEL „equipment”*

### Pilot Actions Implementation (PPs together with regional cross-sectoral WG)

Partners shall define a pilot area at their regional level to implement the actions on

- **3 vessels/area for small scale fisheries**
- **2 farms/area for aquaculture**

### Pilot actions deal with:

- **Innovative technologies:** by testing and reviewing innovative fishing gears with lower impact on marine ecosystem (higher selectivity, reduced impact on marine habitats), alternative technique or materials for AQ (environmentally friendly practices, biodegradable materials for farming)
- **Innovative managerial approaches:** by testing and reviewing an innovative management and cooperation system of operator with researchers and policy makers by collecting spatial-temporal information on their own activities and for the development of traceability schemes for seafood products.

### *Indicative list of horizontal challenges for pilot actions*

- Sustainable fisheries management (EBM)
- Reduce discard and bycatch (0 discard target)
- Reduce ghost fishing
- Reduce competition between dolphins and fishers
- Application of environmentally acceptable technologies and protection of damages from predators
- Improved access to market
- Diversification of production and the introduction of new species into farming, increasing the competitiveness, certification, branding
- Simplification of administrative procedures and ensuring sustainable development and growth through coordinated spatial planning

### Pilot Activities Report

The Deliverable consists in n.4 Report describing in details the pilot activities implemented at each participant territory level as well as the costs incurred for their realization. The Report will contribute to the WPT4 “Transferring” and to the Communication WP (e.g. partners thematic publications/articles D.C.4.3, ARIEL Final conference D.C.3.3)



**Deliverables list, partner's role & deadline:**

- T2.4.1 Pilot Activities Report

ACTIVITY T.2.4 DELIVERABLE	Deliverable responsible	PPs role	Delivery month
<b>D.2.4.1</b> Pilot Activities Report	1. CNR-ISMAR for Italian Regions 2. IOR for Croatia 3. IMBK for Montenegro 4. HCMR for Greece	1. Marche Region will contribute; Region of Sicily will provide its full contribution for its regional Report 2. RERA will contribute 3. MoARD will contribute 4. RWG will contribute	September 2019

**BLOCK 4: TESTING PILOT INNOVATION KNOWLEDGE COMMUNITY FOR SSF AND AQ TRANSNATIONAL NETWORKING (Act.2.5 of the AF)**

**Timeframe: October 2018- December 2019**

The pilot actions consist in:

- the setting-up of the ARIEL Platform which is a virtual place for networking where different actors (research, policy, operators) can meet, exchange know-how and cooperate as well as a place for ideas generation and solutions exchange. The platform shall be set up by Sicilian Region by the end of 2018 and shall be updated on going. Partners will give contribution to the draft structure and will update it ongoing.
- Atlas GIS on fishing and AQ innovation where all information on best practices, R&D results can be included. It shall be ready by the end of the project thus partners will have time to discuss the action in details

**Activity 2.5 Pilot Innovation Knowledge Community for SFF and AQ transnational networking: description, partner's involvement and expected deliverables**

The activity 's goal is to create an Innovation Knowledge Community to aggregate and mobilize SSF and AQ actors, promote joint initiatives and informing consumers on seafood sustainability.



Setting-up of a platform supporting the networking functions at regional/transnational level and helping partnering around innovative ideas. Platform foresees the following sections:

1. Atlas GIS providing spatially referenced data on SSF and AQ innovation technologies developed in R&D projects
2. Update knowledge- database with ad-hoc search filter on ADRIATICO-IONIAN SSF and AQ data, projects, reports, publication, on-line resources
3. Ideas and projects generation- interactive meeting point for researchers, entrepreneurs, policy makers, developers to share ideas and point out needs for research from practice
4. Funding Opportunities –information on different level funding sources for SSF and AQ innovation
5. Mobility browser for researchers within ADRIATICO-IONIAN academia network

#### Atlas GIS on fishing and AQ innovation technologies

- Atlas GIS providing spatially referenced data on fishing and AQ innovation technologies developed in R&D projects collected in 2.2 and 2.3 to foster exploitation of research results and their uptake.

#### ARIEL Platform

- Platform established and managed to increase networking of the Innovation and Knowledge Communities for AI SSF and AQ.

#### Deliverables list, partner's role & deadline:

- T2.5.1 Atlas GIS on fishing and AQ innovation technologies
- T2.5.2 ARIEL Platform

ACTIVITY T.2.5 DELIVERABLE	Deliverable responsible	PPs role	Delivery month
<b>D.2.5.1</b> Atlas GIS on fishing and AQ innovation technologies	Developed by CNR	IOR, HCMR and IMBK contribution	December 2019
<b>D.2.5.2</b> ARIEL Platform	RESI sets up and manage the platform	Each partners fully contribute to the updating and virtual networking	December

## PROJECT MAIN OUTPUTS AND TARGET GROUPS

Project main outputs that will be delivered based on the activities carried out in this work package are described below.

### T2.1 Pilot actions, testing of innovative solutions for SSF and AQ enterprises

The output refers to the testing of innovative solution embodying ecological, technological and economic aspects on SSF and AQ growth of the ADRIATIC-IONIAN regions.

- Pilot actions will be defined and implemented jointly by the SSF and AQ enterprises and the research institutions.
- Pilot actions to be tested are based on replicable cooperation schemes among research-policy makers-operators of SSF and AQ sectors on common and crosscutting challenges.

Number of enterprises cooperating with research institutions	20
--	----

### T2.2 Adriatic and Ionian AQ and SSF Innovation platform (ARIEL platform)

The output is related to the setting up of platform to increase networking of the Innovation and Knowledge Communities for Adriatic and Ionian SSF and AQ, mobilize actors and helping partnering and developing around innovative ideas. ARIEL platform is the main interactive meeting point for the SSF and AQ actors to drive innovation in the sector at Adriatic and Ionian level, support clustering, knowledge sharing between research institution and the transfer of R&D results.

Number of enterprises cooperating with research institutions	50
Number of supported transnational cooperation networks and clusters	1

#### Target groups

- regional public authority
- national public authority sectoral agency
- higher education and research
- education/training centre and school SME
- business support organisation

#### Target groups involving in the development of the project main outputs

**Training and Capacity buildings** actions will involve directly the main projects target groups foreseeing dedicated modules for: SSF and AQ operators and their associations on Innovative fishing and AQ technologies, traceability and quality and seafood products branding, for policy makers to improve SSF and AQ governance and a mobility for researchers laying the basis for common research

agenda based on user's innovation needs and fostering PHD mobility on strategic issues for AI macro region development.

**Innovation brokering** will bring together sector operators, researchers, policy makers and association to generate innovative solutions and ideas with the support of innovation and knowledge broker.

SSF and AQ enterprises will be also directly involved in the **pilot actions** on voluntary basis through an expression of interest and the **ARIEL platform** will be the main interactive meeting point for the SSF and AQ target groups and stakeholders to drive innovation in the sector at ADRIATIC level, support clustering and the transfer of R&D results. Seafood consumers and general public will also find in the platform information on seafood quality and traceability.

### **Durability and transferability of main outputs**

A pre-approach to durability and transferability of main WP outputs is guaranteed by the presence in the project partnership of all the main SSF and AQ research institute of AI Regions together with Institutions responsible for SSF and AQ policies at the higher level (Ministry and Regions). As concerns specific outputs of the WP, training materials will be available on project platform and webpage, further best practice catalogues will be acknowledged by the researchers for the development of further joint projects fulfilling knowledge and innovation gaps characterizing SSF and AQ. ARIEL platform will be maintained by Sicilian Region as the main tool for networking and clustering of SSF and AQ Innovation Community in AI Regions in coherence with the RIS3 identifying sea economy as one of the most relevant priority to be developed improving R&D results, innovation up taking and developing a "critical mass" on the main challenges for SSF and AQ.

Replicability of the pilot actions and related outputs is guaranteed firstly by the development of common transnational methodology and common evaluation and impact indicators which will easier the transfer process in other regions and organization outside the current partnership.

Moreover, the Atlas GIS set up by ARIEL - providing spatially referenced data on fishing and AQ innovation technologies developed in R&D projects - covering the whole the Adriatic and Ionian basin concretely offer the opportunity to exploit research results for other organizations, regions and countries outside the current partnership. Further, the testing of SSF and AQ pilot innovations on four different areas having different socio-economic and ecological characteristics clearly reflects the general features of Adriatic and Ionian Sea and that will ensure the replicability and the transfer in other territories of the Programme area.

**ANNEX 1: Potential pilot actions ideas taking into account EU best practices in SSF and AQ in relation to project goals will be delivered after the II Project Technical Steering Committee meeting**

**ANNEX 2: Operational hints on Innovation brokering events will be to be delivered after the II Project Technical Steering Committee meeting**