



ARIEL PLUS
cod.1276
TRANSNATIONAL NETWORKING EVENT

**«Ideas from the ARIEL PLUS participatory approach:
Marche Events»**

25.08.2022
H 9,30 – 13,00
HOTEL PRESIDENT, SPLIT



SSF TOPIC 1: Artificial reefs co-management schemes

Challenge/s to address	<ul style="list-style-type: none"> - Direct participation of fishermen in sea resources co-management and spatial planning - Sustainable management of sea resources - Spatial planning - Conservation areas and restocking
Brief description	<p>The idea consists in allocating areas for fisheries conservation at regional level and improving the existing one such as the artificial reefs with the engagement of small-scale fishermen for their management, regulated by specific concessions.</p> <p>Several projects have investigated the potential use of artificial reefs for different purposes. For the Adriatic area, the INTERREG Italy-Croatia ADRIREEF (https://www.italy-croatia.eu/web/adrireef) project delivered a White Paper on Innovative exploitation of Adriatic Reefs and approached the topic of natural capital, human-made capital and related ecosystem services adopting the Ecosystem Services Approach, for estimating the capacity of project case studies to support relevant economic activities (professional fishing, aquaculture, diving and boat excursion).</p>
Potential beneficiaries/partner	<p>Potential beneficiaries under national and international programmes are regional and national authorities, SSF associations, NGOs, Universities, and research centres</p>

SSF TOPIC 2: Selectivity in gears

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<p>Challenge/s to address</p>	<ul style="list-style-type: none"> - Reducing bycatches - Improving sustainability of SSF sectors - Improving aggregation - Innovation speed-up - Adding value to SSF products and services
<p>Brief description</p>	<p>The idea consists in give continuity to the cooperation between small-scale fisheries fishers, universities and research centres, institutions for the systematic adoption of more selective gears at fishers level, improving and valorising the sustainability of the artisanal fisheries.</p> <p>By way of example of 2014/2020 EU projects, in the ARIEL project (INTERREG ADRION), trammel nets with a special construction to reduce bycatch were tested by Croatian small-scale fishermen. In the AdriSmartFish project (INTERREG Italy-Croatia), the use of more selective gears (nets, traps) was tested directly by fishermen consortium in Marche Region and in general, constitutes one of the criteria for applying to the EU collective mark “Adriatic Small-scale fisheries” developed by the project. The consumers’ demand for sustainable and responsible seafood is in fact increasing and small-scale fisheries is better aligned with sustainability goals in comparison to industrial fisheries.</p>
<p>Potential beneficiaries/partner</p>	<p>Potential beneficiaries under national and international programmes are regional and national authorities, SSF associations, NGOs, Universities, and research centres</p>



SSF TOPIC 3: Reducing the impact of top predators on catches and gears

Challenge/s to address	– Reducing damages to gears and catches
Brief description	<p>Starting from the results of previous projects (LIFE+ DELFI, ARIEL), the idea is to identify and test innovative solutions for reducing dolphins’ predation and damages to catches and gears in small-scale fisheries.</p> <p>The use of ecosystem-based models and tools can help to better understand the dynamics of dolphin's population in the Adriatic while research projects with the close cooperation of small-scale fishermen help the development of improved tools serving as a deterrent.</p> <p>The negative impacts of dolphins when fishing with trawls can be divided into direct damage (i.e. damage inflicted on the fishing gear in terms of holes of different sizes, reducing the value of the catch, but also the amount of catch itself) and indirect damage (reducing the amount of catch as dolphins scatter prey, waste of money and time for the fishermen for procuring new and repairing old nets). Several projects (LIFE + DELFI https://lifedelfi.eu/, ARIEL https://ariel.adrioninterreg.eu/) contributed to the development and testing of deterrent devices but the use of traditional noise producing dissuaders has been proven to be, in general, quite ineffective. More recently, new generation devices is becoming more and more in use but results seems not to be so encouraging.</p>
Potential beneficiaries/partner	<p>Potential beneficiaries can be small-scale fishermen, research centres and universities, NGOs at regional and transnational level</p> <p><i>At national/regional level</i>, the purchase of deterrent devices can be eligible under the EMAFAF measures.</p>

SSF TOPIC 4: Improving the awareness and access to EMFAF funding opportunities

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Challenge/s to address

- Better understanding of the small-scale fisheries innovation needs at regional level
- Increased awareness of EU funding opportunities for the small-scale fisheries sector
- Increased support to potential beneficiaries in accessing and applying to calls for grants
- Increased representativeness of the small-scale fisheries category in national and regional tables
- Increased participation of the small-scale fisheries category in co-decision
- Implementation of the quadruple helix approach
- Improved the spending performances at national, regional level

Brief description

The idea consists in formalizing the setting-up of innovation support services for the small-scale fisheries category for:

- A better understanding of the sector's needs
- A more effective bottom-up approach in policies and programmes designing and implementation
- Raising awareness of the SSF operators on the EU opportunities for the SSF operators
- Fostering the dialogue between the quadruple helix actors
- Stimulating innovation uptake and transfer

Within this context, the public innovation broker for the fisheries sector can play its full role in providing innovation support services in a systematic way. Services may range from mapping the SSF enterprise at regional level, engaging the category in consultation and raising awareness meetings, supporting the identification and access to EU funding opportunities and the setting up of regional and transnational partnership. As occurred for the agricultural and forestry sector under the Rural Development Programmes 2014/2020 measures linked innovation initiatives, the innovation broker role in fisheries should be recognized and formalized.

Potential beneficiaries/partner

Potential beneficiaries acting as innovation broker can be sectoral agency, public administrations, universities, and research centres at regional level

SSF TOPIC 5: Energy efficiency and modern equipment

<p>Challenge/s to address</p>	<ul style="list-style-type: none"> - Reducing the use of fossil fuels - Climate change - Modernization of the fishing fleet - Raising the interest/capability to use innovative technologies/modern equipment
<p>Brief description</p>	<p>Modernization in fisheries is decisive for competitiveness, security of supply and for meeting the commitments on climate change. EMFF 2014/2020, supported investments on board and energy audits. To mitigate the effects of climate change and improve the energy efficiency of fishing vessels, grant support has been foreseen for the modernisation and replacement of main and ancillary engines with a priority in the selection process to the small-scale coastal fishing to improve the access to financing. Moreover, the EMFF foresaw studies to assess the contribution of alternative propulsion systems and hull designs to the energy efficiency of fishing vessels.</p> <p><u>Energy efficiency:</u></p> <p>The idea is to test the potentialities of electric engines in small-scale fisheries vessels and to evaluate the feasibility</p> <p><u>Modernization of the equipment:</u></p> <ul style="list-style-type: none"> - Support the purchase of autopilot - Support the purchase of cold storage rooms in which to store the fish
<p>Potential beneficiaries/partner</p>	<p><u>For the energy efficiency topic:</u> potential beneficiaries can be small-scale fishermen, specialized companies, university, and research centres (e.g. Engineering departments). Testing new engines on small-scale fisheries vessels can be eligible research programmes. The purchase of hybrid or electric equipment can be eligible under EMFAF measures.</p> <p><u>For the modernization topic:</u> potential beneficiaries are small-scale fishermen and/or small-scale fishermen associations. The purchase of the equipment can eligible under EMFAF measures.</p>



Project proposal on social innovation in small-scale fisheries and aquaculture

Description:

Focusing on innovation as a process that should tackle ‘societal challenges’ through new forms of relations between social actors, the project intends to explore the potential of social innovation into fisheries and aquaculture which are two key sectors of the blue economy of the Adriatic (and Ionian) Region. The project proposal aims to:

- promote the integration between sectoral policies such as social, fisheries and environment ones
- design and test the inclusion of disadvantaged groups in the small-scale fisheries and aquaculture activities in the Adriatic and Ionian Area

Partnership: (under construction)

1. Marche Agriculture and Fisheries Innovation Agency (former ASSAM, IT)
2. University Cà Foscari (IT)
3. University of Ancona – Environmental and Life Sciences (IT)
4. FVG Region (TBC)
5. IMBK (Montenegro, TBC)

Funding source:

INTERREG IPA ADRION 2021/2027



AQ TOPIC

Sustainability

Both the ARIEL PLUS and ARGOS (INTERREG Italy-Croatia) projects focus on the innovation for the regional aquaculture sector

- **ARIEL PLUS** adopted a participatory approach for the identification of new ideas for project proposals and/or pilot actions
- **ARGOS** will co-finance pilot actions to improve the AQ sustainability

1. Pilot action aimed at reducing the use of plastic materials in mussel farming activities, providing alternative solutions to the use of disposable plastics, such as polypropylene socks in mussel farming.

2. Pilot action to reduce the use of plastic materials through the use of alternative materials for the packaging of shellfish.

2. Pilot action to diversify the production: Flat oyster (*Ostrea edulis*) farming

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THANK YOU FOR YOU ATTENTION

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