

DELIVERABLE D5.2.2

Resources Management Plan Draft

Project ID	10045781
Project acronym	Adri.SmArtFish
Project full title	Valorisation of SMall-scale ARTisanal FISHery of the Adriatic coasts, in a context of sustainability
WP5	Policy making and shared management
Activity 5.2	Implementation of Cross-Border association of SSF operators
Partner in charge	PP9
Partners involved	PP1, PP8
Status	Final
Distribution	Public
Date	29/03/2022



Resources management plan

D5.2.2.

Premise

Resources management plan was jointly drafted by the Scientific Board, small-scale fisheries association and the Ministry of Agriculture, Directorate of Fisheries, Republic of Croatia. The plan takes into account the state of natural resources and future scenarios outlined in Work package 3, and specifically in Deliverable D3.2.1. and D3.3.1., and define how to maximise the exploitation of resources while at the same time preserving the stocks.

Main aims of the plan

1. Reduce point source pollution from vessels, including old fishing gears, faecal water and disposal water, discharge communal waste (litter) from vessels and upgrade, improve, and/or adapt waste management systems,
2. Build enforcement capacity and prioritize public trust in the transparency and accountability of government agencies and offices, associations and science experts.
3. Provide compensation for SSF fishers for the transition to more selective tools
4. Evaluate current and historical negative impacts of overfishing or resource's potential or perceived "carrying capacity", also establishing Harvest Control rules;
5. Assess resources lost or damaged (*Solea vulgaris*; *Sepia officinalis*, *Sparus aurata*), also implementing a recording system for interaction with secondary, out of scope, species, species used as bait but also with endangered, threatened or protected species;
6. Implement a regular review of alternative measures to minimise impacts on non-target species;
7. assess areas where restoration is needed (northern Adriatic), establish an ecological environmental baseline.
8. Propose new protection measures regarding selectivity, temporal and spatial closure.
9. Propose fishery strategy for *Pomatomus saltatrix*, *Calinectes sapidus* and maybe some what we need to perform in term that both fisheries become effective
10. Increase stakeholder climate change training, outreach, and community capacity building.
11. Increase stakeholder ecological sustainability change training, outreach, and community capacity building
12. Maintain, expand and/or restore public access to coastal resources.
13. Reduce Societal Conflicts – Public Access, Recreation and Economics by evaluation of other possible uses of the coastal waters by other stakeholders and bring them together for decision making processes in the future
14. Increase reciprocity or balance between economic interests and ecological resource protection or preservation efforts.
15. Promote environmental or behavioural education and awareness outreach;
16. Foster passive survivability in preparation for natural disasters and/or climate change and sea level rise, such as changing fishing activities (seasonal basis), fishers might shift from

their target species to species that will have higher economic value, construction of dams against sea level rise in fishing ports.

In the context of the objectives and actions undertaken by the Adri.SmArtFish project, the new cross-border association of small-scale fishers, in order to ensure the sustainability of small-scale fisheries following the rationale expressed in the Shared Sustainable Fishery protocol (D4.2.1), is called upon to:

1. to implement a self-monitoring plan, following the example of the MSC requirements (see deliverable D4.2.3) to collect information on the following aspects, in order to consolidate the picture of the Consortium activities
 - Catch and effort data (logbook and/or sales data, details of number of licences and size, type and number of active vessels or days at sea, maps of the distribution of fishing effort).
 - Technical details of gears and gear use

2. to implement a management plan for fishing areas, based on what has been done in the areas involved into the pilot actions of the SmArtFish project (see Deliverable D4.3.1). In particular, the management plan will deal with:
 - identification of the fishing grounds,
 - evaluation of other possible uses of the coastal waters by other stakeholders
 - data collection via logbook compilation. This will allow to collect information about quantity and quality of landings, but also about the fishing effort and the sustainability of SSF, in terms of fuel consumption and CO2 emissions.
 - Tracking of all the fishing vessels

3. To define a management system, defining internal regulations, with details about stakeholder consultation processes, fishery performance, participation in education programmes. Collecting information about the traceability of the fishery, in relation to the use of label, identifying and documenting where risks of mixing or substitution exist within the fishery, and, where these risks exist, how they are addressed or mitigated by the systems in place

4. to organise a round table with other stakeholders, administrative authorities and the main actors of the coastal fishery: SSF, recreational fishers and clam fishers in order to implement a real integrated management plan of the coastal waters

5. to organise workshops for fishers and other stakeholders in coastal area related to environmental sustainability, climate vulnerability and policy making

6. to implement activities for increasing stakeholder ecological sustainability awareness, and community capacity building; to promote environmental and behavioural education programmes
7. to propose and to implement a network of artificial reefs to promote environmental effectiveness of such infrastructures