

REGIONE AUTONOMA
FRIULI VENEZIA GIULIA

Central Head Office rural resources, agri-food and forestry

Service for hunting, fish resources and biodiversity

ECOSEA PROJECT
WP3

Partnership meeting

Great Stations Palace

VENICE



WP3 – Tools and capacity building for the management of fisheries and aquaculture in the Adriatic

– Objectives

- build a common know-how and tools to develop scientific and technical support to government decisions
- set up templates, guidelines and tools to facilitate the application of the principles of the Common Fisheries Policy in the Adriatic
- increase the engagement of the stakeholders (fishing companies) towards common goals of protecting natural resources, while creating an alternative to economic growth by enhancing the sustainability of fisheries and aquaculture





The wp3 consists of the following activities:

- ACTION 3.1 – wp Coordination of the Friuli Venezia Giulia Region
- ACTION 3.2- Adriatic Scientific Advisory Board Management of marine resources
- ACTION 3.3 – FISH-GIS



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WP3/act.3	STAFF COST	TRAVEL&ACC	EXT.EXPERTISE	MEETING	PROMOTION	EQUIPMENT	INVESTMENTS	NEW TOTAL
Regione Veneto	euro 0,00	euro 800,00	euro 23000,00	euro 0,00	euro 0,00	euro 0,00	euro 0,00	euro 23.800,00
act 3.1	euro 0,00	euro 800,00	euro 0,00	euro 0,00	euro 0,00	euro 0,00	euro 0,00	euro 800,00
act 3.2	euro 0,00	euro 0,00	euro 15.000,00	euro 0,00	euro 0,00	euro 0,00	euro 0,00	euro 15.000,00
act 3.3	euro 0,00	euro 0,00	euro 8000,00	euro 0,00	euro 0,00	euro 0,00	euro 0,00	euro 8000,00
Regione Friuli Venezia Giulia	euro 51.140,00	euro 800,00	euro 73.800,00	euro 0,00	euro 0,00	euro 50000,00	euro 0,00	euro 175.7400,00
act 3.1	euro 2.780,00	euro 0,00	euro 10.800,00	euro 0,00	euro 0,00	euro 0,00	euro 0,00	euro 14.380,00
act 3.2	euro 0,00	euro 0,00	euro 15.000,00	euro 0,00	euro 0,00	euro 0,00	euro 0,00	euro 15.000,00
act 3.3	euro 48.360,00	euro 0,01	euro 48.000,00	euro 0,03	euro 0,04	euro 50.000,00	euro 0,06	euro 146.360,00
Regione Emilia-Romagna	euro 3.400,00	euro 800,00	euro 35.000,00	euro 0,00	euro 0,00	euro 0,00	euro 0,00	euro 39200,00
act 3.1	euro 0,00	euro 0,00	euro 0,00	euro 0,00	euro 0,00	euro 0,00	euro 0,00	euro 800,00
act 3.2	euro 0,00	euro 0,00	euro 30.000,00	euro 0,00	euro 0,00	euro 0,00	euro 0,00	euro 30000,00
act 3.3	euro 3.400,00	euro 0,00	euro 5000,00	euro 0,03	euro 0,04	euro 0,05	euro 0,06	euro 8400,00
Regione Marche	euro 6000,00	euro 800,00	euro 25000,00	euro 0,00	euro 0,00	euro 0,00	euro 0,00	euro 31.800,00
act 3.1	euro 0,00	euro 0,00	euro 0,00	euro 0,00	euro 0,00	euro 0,00	euro 0,00	euro 8000,00
act 3.2	euro 0,00	euro 0,00	euro 20000,00	euro 0,00	euro 0,00	euro 0,00	euro 0,00	euro 20000,00
act 3.3	euro 6000,00	euro 800,00	euro 5000,00	euro 0,04	euro 0,05	euro 0,06	euro 0,07	euro 11000,00
Regione Abruzzi	euro 8000,00	euro 800,00	euro 25000,00	euro 0,00	euro 0,00	euro 0,00	euro 0,00	euro 33800,00
act 3.1	euro 0,00	euro 0,00	euro 0,00	euro 0,00	euro 0,00	euro 0,00	euro 0,00	euro 8000,00
act 3.2	euro 0,00	euro 0,00	euro 20000,00	euro 0,00	euro 0,00	euro 0,00	euro 0,00	euro 20000,00
act 3.3	euro 8000,00	euro 800,00	euro 5000,00	euro 0,00	euro 0,00	euro 0,00	euro 0,08	euro 13000,00
Regione Puglia	euro 3000,00	euro 800,00	euro 40000,00	euro 0,00	euro 0,00	euro 0,00	euro 0,00	euro 43800,00
act 3.1	euro 0,00	euro 0,00	euro 0,00	euro 0,00	euro 0,00	euro 0,00	euro 0,00	euro 800,00
act 3.2	euro 0,00	euro 0,00	euro 30000,00	euro 0,00	euro 0,00	euro 0,00	euro 0,00	euro 20000,00
act 3.3	euro 3000,00	euro 800,00	euro 10000,00	euro 0,06	euro 0,07	euro 0,00	euro 0,00	euro 13000,00
Contea di Primorje e Gorski	euro 7000,00	euro 800,00	euro 27.000,00	euro 0,00	euro 0,00	euro 0,00	euro 0,00	euro 34800,00
act 3.1	euro 0,00	euro 0,00	euro 0,00	euro 0,00	euro 0,00	euro 0,00	euro 0,00	euro 800,00
act 3.2	euro 0,00	euro 0,00	euro 12000,00	euro 0,00	euro 0,00	euro 0,00	euro 0,00	euro 30000,00
act 3.3	euro 7000,00	euro 800,00	euro 15000,00	euro 0,00	euro 0,00	euro 0,00	euro 0,00	euro 13000,00
Contea di Zara	euro 2400,00	euro 800,00	euro 17000,00	euro 0,00	euro 0,00	euro 0,00	euro 0,00	euro 20200,00
act 3.1	euro 0,00	euro 0,00	euro 0,00	euro 0,00	euro 0,00	euro 0,00	euro 0,00	euro 800,00
act 3.2	euro 0,00	euro 0,00	euro 12000,00	euro 0,00	euro 0,00	euro 0,00	euro 0,00	euro 12000,00
act 3.3	euro 2400,00	euro 0,00	euro 5000,00	euro 0,00	euro 0,00	euro 0,00	euro 0,00	euro 7400,00
Ministero dell'Ambiente e dell'Albania	euro 1600,00	euro 800,00	euro 25.000,00	euro 0,00	euro 0,00	euro 0,00	euro 0,00	euro 27400,00
act 3.1	euro 0,00	euro 0,00	euro 0,00	euro 0,00	euro 0,00	euro 0,00	euro 0,00	euro 8000,00
act 3.2	euro 0,00	euro 0,00	euro 15.000,00	euro 0,00	euro 0,00	euro 0,00	euro 0,00	euro 15000,00
act 3.3	euro 1600,00	euro 800,00	euro 10000,00	euro 0,00	euro 0,00	euro 0,00	euro 0,00	euro 11600,00
Totale Budget	euro 82.540	euro 7.200,00	euro 290.800	euro 0,00	euro 0,00	euro 50.000,00	euro 0,00	euro 430.540,00

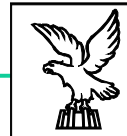


3.2 Scientific and Technical Advisory Board for the management of marine

- Resources provides guidelines for the promotion of sustainable management of fisheries, both ecological and socioeconomic development within the frame work of the Common Fisheries Policy it is composed by the project partners (at least one representative of each) coordinated by the FVG Region in accordante with different themes addressed by the Council
- it is opened to the participation of national/regional/local authorities involved in the governante of the Adriatic Sea and the fisheries sector

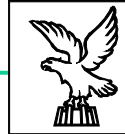


- it is opened to the participation of scientific institutions (research institutes and universities in the field of marine resources) and representatives of the economic and social partners (producers organisations, involved in the fisheries and aquaculture)
- the scientific table, once defined its composition, reports during the meeting scheduled by Ecosea project suggestions, indications and results of conferences with the fishing industry and scientific sector of reference for each region.



GUIDELINES FOR THE ESTABLISHMENT OF THE TABLE:

- Each partner identifies the permanent member
- Each partner identifies its outside expert
- More than one partner can identify a single expert (eg Northern Adriatic Region)
- Composition: 9 representatives part.+9 esp. est=18.
- OTHER PARTICIPANTS



PROPOSALS

- Each partner identifies:
- 1 representatives from University or Research Institute
- 1. representatives of the operators (associations, OP, Consortia, Cooperatives) (total 9*2)
- The Partners shall appoint one representative of the National State Scientific Institute for State membership (1 for Italy, 1 for Croatia, 1 for Albania)



DEADLINES

- 1. within 31 march each partner will communicate to Region FVG the name
 - of his own representative
 - of his own expert
 - of the other participants (agencies/university)
- 2. first meeting of the table will hold in april in Tirana
- 3. one meeting should be hold in the leading coordinating Region Friuli Venezia



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FISH.GIS (act. 3.3.)

- It has been based on the existing North Adriatic GIS program (Interreg IIIA project ADRI.BLU. Includes new thematic content support WP4 (pilot areas for restocking active) and WP5 (support management models) and also serve to show the distribution of fish stocks and fishing effort
- It also includes a free application for the fishermen, for the management of fisheries, navigable through portable GPS
- The activities will be coordinated with the GIS Atlas of the SHAPE project set up by the IPA Adriatic Region FVG
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- All partners will collect data (there is the purchase of equipment, as well as external expertise)
- Objective: make the application available by the end of 2013 (first edition – further updates)



REQUIREMENTS

- Definition content FISH.GIS (provision of a methodology for the creation of the GIS) by the Friuli Venezia Giulia Region – from february 2013
- Outline the expert to collect data from all partners – from february 2013
- Approve the method and start with the operational activities for setting up the system – by the next meeting of the Steering Committee





GIS-WebGIS and distributed application

- The project of georeferencing of the fishery resources of the Adriatic will be a continuation of the instrument already developed in the Adri-Blue PIC INTERREG IIIA. Contents will be revised to reflect the new extension and needs to be agreed in the procedures for the coordination of the project. The structure will be granted on servers of the ARPA of Friuli Venezia Giulia and it will be based entirely on open source software.



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The themes will be made available either through direct consultation on web interface, by using a special website developed for the purpose and thorough distributed services (WMS and WFS). In addition to this type of access will be prepared to be downloaded various topics in a standard format "Shape", used for Desktop applications useful to the various structures to draw up management plans in areas of interest



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For purposes of the use at sea it may be distributed digital support (CD/USB) with the contents and softwares needed for consultation of these, all accompanied by the guides necessary to set up and use the applications



- Structure and contents of the current Web-GIS Adriblu
- It is implemented on Microsoft sql-server – ESRI SDE – UMN Mapserver and it represents an area between the Gulf of Trieste and the latitude of the Ancona port. The site is in Italian language. Currently, the GIS Adriblu is online at <http://mapserver.arpa.fvg.it/adriblu/map.phtml> For internal users, the network RUPAR of Friuli Venezia Giulia address is: <http://mapserver.arpa.fvg.it:81/adriblu/map.phtml>.





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- The images surrounding are of low resolution (14m) and were drawn from the Landsat satellite data freely downloadable from the USGS site. The geomorphological data (coastlines and bathymetry) were obtained from various sources, including IIM data and data from the nautical charts (IIM and HHI) at different scales relating to water Italians, Slovenians and Croatians spaces.



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Administrative data

It includes administrative boundaries on the ground for the Italian side provincial and municipal boundaries. The administrative limits relating to water spaces were drawn from several sources. The territorial limits were obtained from the charts and were not represented, calculated as a range of sea included within the 12 nautical miles from the coastline or, if present, from the basic lines.



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On the Italian side, reference was made to the maritime limits of the ground and the location of the paper IIm 1315 (M Italian Sea-Limits of operational interest). For the Slovenian side it was considered a single area while the Croatian side it were digitized fishing sectors (zones AG). It was also calculated the median line that divides that Adriatic according to the distance from the coast of neighboring states.



Characteristics of the seabed

- It includes bathymetry and a small-scale representation of the characteristics of the sediments. It were also digitized, where available, data on the presence of marine phanerogams, on the benthic biocenosis and the presence of concretionary reliefs at the Italian coasts.



Unloading activities

- It has been digitized the presence of sewers under water and of drainage areas of military residuals or sediments originated from coastal dredging on Italian side (where available data).



Regulated fishing area and protected areas

It has been traced all the restricted area or regulated for several fisheries activities, for the Italian side from the ordinances of the Port Authority and the official nautical charts and by pilot books of reference. For the Slovenian and Croatian few data were obtained primarily on the use of the "harpoon" in Slovenia and the use of trawls in the coastal areas of Croatia. It was also indicated, where available data, marine protected areas (MPAs), the Biologically Protected Areas, the Oasis under water parks, the SIC and ZPS and Natural Reserves.



Available fish resources

- These are primarily maps of the indices of distribution of some fish species target. The data were obtained from Atlas of Italian demersal fish resources prepared by the Italian Society of Marine Biology on behalf of MIPAF, from maps of species distribution related to sampling MEDITS (Mediterranean Trawl Survey Programme) and from some detailed studies for the coast of Emilia Romagna made during the program agreements funded by MAFP (2003-2004). It were also plotted along the Italian coast, with the exception of Veneto, the areas delegated to mariculture.



Fishing activity

- Defined as assets, they are related to the fishing ports located along the Italian and Slovenian coasts and, in a less detailed way, along the Croatian. For each navy it were derived data on vessels as provided by the European Fleet Register. Some of these indices have been calculated including size, the horses, the age and the average length of the boats, as well as the preferred tools and alternative used for fishing



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Various Data

Among these wrecks., mining platforms and reforestation areas occupied by curtains made as part of the Adri-BLUE project.



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– THANK FOR THE ATTENTION

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Adriatic IPA Cross Border Cooperation 2007-2013