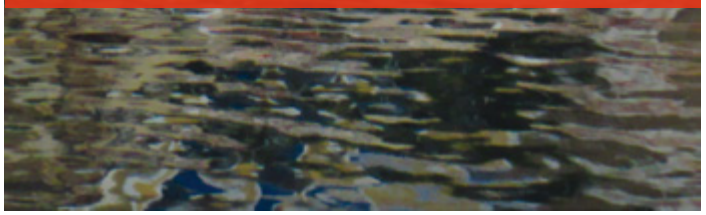
## Innovation

First study in Greece, using innovative techniques based on stochastic simulation and statistics by quantifying biological, fisheries, social, economic and environmental data in order to assess the implications and risks of implementing different management strategies in marine fisheries.



## OBJECTIVES

- Invent the deepwater reserves in the Aegean Sea
- Understand the red shrimp stocks in the A. Mediterranean and compare the relevant stocks with the appropriate management plans submitted and applied in the rest of Europe
- Record the size of the biological and economic impact of the management measures applied in order to ensure business viability
- Manage fishery resources in unexploited stocks in order to ensure sustainable development
- Propose more environmentally friendly fishing activities in order to promote sustainable economic and social conditions in the fisheries sector and maintain the environmental balance of healthy stocks


**Contact**

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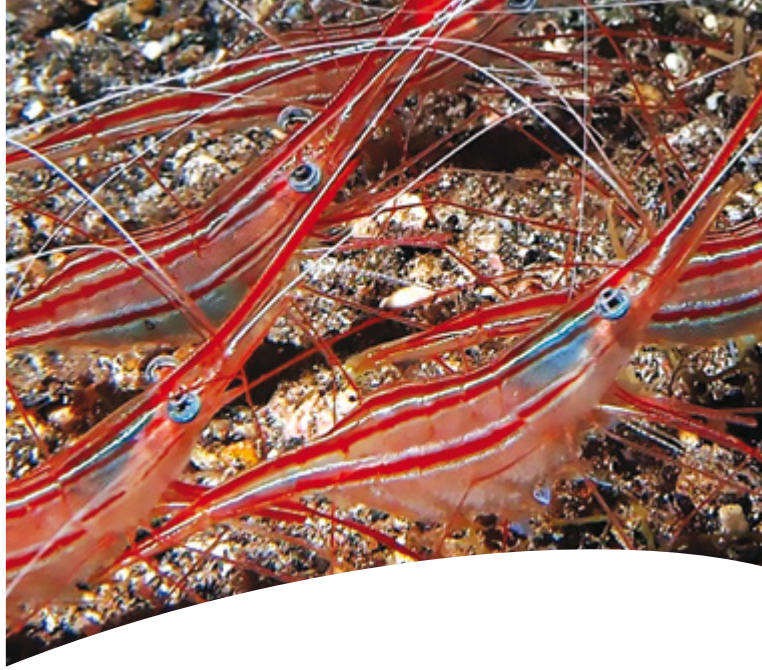
Plesionika manage



Plesionika manage

# A pilot fishing study of the decapod shrimp Plesionika Narval (Narval Shrimp)

www.plesionika-manage.eu

1/3/2014-31/10/2015


Project co-financed by Greece and the EU under the OPF 2007-2013

European Commission
European Fisheries Fund

Ministry of Rural
Development and Food

O. P. for Fisheries 2007 - 2013
Investing in sustainable fisheries

## Methodology

- Collect and use biological, economic, social, fisheries, and environmental data
- Develop bio-economic management scenarios based on the maximum sustainable exploitation of the stock (phase 1).
- Implement the management scenarios in the field in real conditions. Monitor, record and verify their performance by the fishermen/stakeholders (Phase 2).
- Investigate and analyze the spatiotemporal distributions and the scoring effort of species in the area. Assess the species stocks in Greece, in conjunction with the data collection of Phase 1 (Phase 3).
- Stakeholders proposals for the species management (phase 4) contributing to the policy making in the national fisheries stocks strategy

# ABOUT

Plesionika Manage is a pilot fishing study of the decapod shrimp Plesionika narval (Narval shrimp). The study is funded by the Ministry of Rural Development and Food, within the framework of the Operational program (OP) FISHING 2007-2013 in Priority "3" COMMON MEASURES INTEREST, Measure 3.5: "PILOT PROJECTS" co-financed by the EUROPEAN FISHERIES FUND (ETA).

The total project budget is 300.000 euro and the duration of the project is 20 months from 01/03/2014 until 31/10/2015.

# WHY

The Narval shrimp is a well - known traditional delicacy and a gastronomic touristic product in the southeastern (SE) Aegean area. Due to the drastic stock reduction and the small scientific knowledge on the species, the project will assess and plan an integrated system of sustainable management for Plesionika.

# HOW

The study will assess and plan for an integrated system of sustainable management of the species Plesionika by using innovative, alternative, fishing gears under commercial conditions, through quantitative and qualitative monthly data collection over a one year cycle (2014-2015).

# WHO

The study is implemented by the Hellenic Centre for Marine Research (HCMR) and the Project coordinator is Dr. Stefanos Kalogirou.

## Fishing Methods

- Pots
- Seasonal design
- Bathymetric design
- Underwater measurements

# Research Areas

The study will take place in SE Aegean Sea around the coastal habitats of Rhodes and the nearby islands of Halki, Astypalea, Kos, Tilos, Astakida, Symi, Karpathos and Kassos