

CENTRE FOR ADVANCED ANALYSIS AND TRAINING IN THE FIELD OF FISHERIES BIOLOGY AND MARINE PRODUCT CONTROL

Final Version of 21st June 2023

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Project Acronym	ARGOS
Project ID Number	10255153
Project Title	Shared Governance of Sustainable Fisheries and Aquaculture Activities as Leverage to Protect Marine Resources in the Adriatic Sea
Priority Axis	3 - Environment and cultural heritage
Specific objective	3.2 - Contribute to protect and restore biodiversity
Work Package Number	WP5
Work Package Title	Sectorial know-how development and pilot project implementation
Activity Number	5.2
Activity Title	Improvement of fishermen behaviours
Partner in Charge	PP13 – Institut of Fisheries of Split
Partners involved	PP13
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Report	Set up of n.1 analysis lab in Split
Description	N. 1 centre for advanced analysis and training in the field of fisheries biology and marine product control
Version	Final
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1. Foreword and description of the activity

The Institute owned an old building that was in very poor condition and had not been used for more than three decades.

Through the ARGOS project, that building was completely renovated.

The renovation included a complete internal construction renovation, new electrical installations, installation of hot and cold water, construction of sewerage, air conditioning, fire protection and anti-burglary system.

The roof on the building was replaced, and a new thermal facade was installed. New thermally insulating windows and doors were also installed.

A bioseptic tank was installed in the outside of the building and the garden around the facility was redesigned.

In the renovated building, seven new laboratories were created, forming the mentioned Centre:

- laboratory for demersal fisheries - for analysis of samples collected in bottom trawl, beam trawl, traps and longlines fisheries. Likewise, samples from the MEDITS and SOLEMON scientific expeditions will be analysed in this Laboratory;
- laboratory for small pelagic fisheries – serves for laboratory analyses of samples that are collected from purse seiners fisheries, as well as from scientific survey MEDIAS;
- laboratory for coastal fisheries – dealing with analysis of samples collected from small scale coastal fisheries;
- laboratory for sclerochronology - is set up for state-of-the-art sclerochronology research of marine organisms – that is an analysis of structural changes in hard parts of marine organisms, including bivalve shells and fish otoliths. Application of sclerochronological methods enables analysis of growth and age, as well as precise analysis of growth increments widths and construction of growth chronologies;

- laboratory of plankton and shellfish toxicity - has refurbished the laboratory premises to accommodate the marine biotoxins analyses, as this laboratory is a National Reference Laboratory in the field of marine biotoxins and it participates in the official controls of shellfish for human consumption harvested from farms and fishing areas in the Adriatic Sea;
- laboratory for molecular research of marine organisms - which will enable molecular analysis to be carried out in order to assess the eco-biological status of marine resources;
- laboratory for histological analysis – which will enable assessing the health status of marine organisms, impact of novel diet formulation on farmed fish and most importantly studying the reproductive biology of target fisheries species for their better management.

Furthermore, the SEAL Autoanalyzer AA500 was acquired through the project which is a modern segmented flow analyser consisting of an autosampler, a peristaltic pump, a chemistry manifold, a detector and data acquisition software.

2. Pictures







One moment during the 2nd cross border meeting at the center by IOF in Split



The plaque by the main door out of the center