



ALMA MATER STUDIORUM
UNIVERSITÀ DI BOLOGNA

FISHERIES

Multidisciplinary and holistic research challenges to assess and sustainably manage fishery resources at multiple ecosystem complexity.

The University of Bologna research activities in fishery sciences aim to provide scientific and political/economic data, and issues to the whole fisheries value chain by transdisciplinary research skills on multiple-scale sea ecosystem complexity. Research issues on coastal and small-medium scale fisheries of the semi-enclosed seas as Adriatic and Mediterranean Seas to oceanic off-shore global stocks and populations are addressed.

Research at the University of Bologna covers a wide range of issues:

- Stock and species assessment of fishery resources, fishing impacts on marine ecosystems
- Fish quality, nutritional profiling of fish products, sensorial evaluation, freshness evaluation, effects of rearing methods and feed on fish quality, metabolic fingerprinting of fish
- Fishery genetics, fishery genomics, fish and fish products traceability, population genetics and genomics, conservation genetics
- Small-scale fishery maritime clusters and development of coastal communities, fishery products market and value chain organization in small-scale and coastal, Fishery management plan and property rights
- Fish parasitology, with specific expertise in biology and epidemiology of zoonotic helminths in fish populations

HIGHLIGHTS

International projects:

- **MEDITS** - *International Bottom Trawl Survey in the Mediterranean*. EU JRC Tender **MEDBLUESGEN** - *Mediterranean blue shark genetics: population genetic study on Mediterranean blue shark for stock identification and conservation*. EU Tender **STOCKMED**; **EU ICCAT GBYP**.
- FP7: **FISHPOPTRACE** - *Fish Population Structure and Traceability*. EU Tender **AQUAGEN** - *Genetic Assignment of Farmed Cod and Sole for Traceability, Biosafety and Environmental Impact Assessment*.
- Interreg Italy-Croatia: **PRIZEFISH** - *Piloting of eco-innovative fishery supply-chains to market added-value Adriatic fish products*.

International PhD programmes:

FishMed-PHD on Innovative technologies and sustainable use of Mediterranean Sea fishery and biological resources. **MARES** - EMJD Programme on Marine Ecosystem Health & Conservation.

Research centres and laboratories, equipments and infrastructures

The **Department of Biological, Geological and Environmental Sciences (BIGEA)** in its **Fano location on the Adriatic Sea** is equipped with marine biology and fisheries, laboratories.

[Inter-Departmental Centre for Research in Environmental Sciences \(CIRSA\)](#)