

ANGELO CAU - Professor Emeritus of Marine Biology University of Cagliari

Personal data

Born in Buddusò (SS) 12 January 1945

Institution

Department of Animal Biology and Ecology, Faculty of Sciences - University of Cagliari

Major academic appointments

1974 - 1981	Research Assistant in the Institute of Zoology, University of Cagliari;
1980 - 1987	Confirmed as Researcher in Zoology, University of Cagliari;
1987 - 1990	Associate Professor of Zoology, University of Cagliari;
1990 - 2000	Professor of Zoology, University of Cagliari;
1992 - 1996	President of the Curriculum in Biological Science in the Faculty of Science;
1993 - 2000	Head of the Department of Animal Biology and Ecology, University of Cagliari;
1997 - 2015	Professor of Marine Biology, University of Cagliari;
2001	Promotes and creates the curriculum in Applied bio-ecology, Faculty of Sciences, at University of Cagliari;
2003	Promotes and creates the Superior Degree in Marine Biology, Faculty of Sciences, at University of Cagliari;
2005 - 2015	Professor in the Academic board for the PhD in Environmental Biology, University of Sassari;
2006 - 2015	Professor in the Academic board for the PhD in Animal, molecular and human Biology, University of Cagliari;
2007	Creator and scientific responsible of the "Centre of Marine Biodiversity, for the study and farming of fish and invertebrates of Sardinia", founded by the Ministry of Environment;
2016 – current	Professor Emeritus of Marine Biology.

Research activities

- Research in Systematic Zoology and Zoogeography;
- Research in Reproductive Biology of Aquatic Animals;
- Research on Population Dynamics of Aquatic Animals;
- Research on Zoophysiology of Aquatic Animals;

Coordinator and scientific responsible of several research programs funded by Italian Ministry of Agriculture and Forestry, Regione Sardegna and European Economic Community

Scientific Program Management and Responsibilities

European Community

- Integrated Mediterranean Planning (PIM)
- Management of lagoon Resources
- Identification of Nursery habitats in Sardinia
- Evaluation of Demersal Resources in the MEDITSIT (international Bottom Trawl survey) project
- Cartography of Demersal Resources;
- Investigation on the recreational fishing of Atlantic bluefin tuna (*Thunnus thynnus*, Linneo 1758);
- FISBOAT, within the EC SIXTH FRAMEWORK PROGRAMME;
- SAMED, Stock Assessment in the Mediterranean.
- REDs programme, Status of deep-sea red shrimps in the Central and Eastern Mediterranean Sea;

Ministry of Agriculture and Forestry

- Evaluation of Ground Fishes of Sardinia
- Evaluation of Pelagic Fisheries of Sardinia
- IV triennial plan: Aquaculture, Focus on Crustacean farming;
- Evaluation of Alternative Gears. IV triennial plan: Marine resources, Evaluation of the impact on the economic, social and biological resources of the beach seine.
- Stock evaluation of large pelagic scombrids;
- Evaluation of the use of alternative fixed gears for fishing;

- Extensive farming of the European lobster *Homarus gammarus* (Linnaeus, 1758) in an area off the Sinis Peninsula (Sardinia): biological, technical and productive aspects;
- Investigation on the potential of exploitation for the meso-bathyal resources in the southern Italian waters using multi-gear fishing methodologies”
- Localization of areas and extensive farming for the production and restocking of the European spiny lobster (*Palinurus elephas* Fabr.) in the seas around northern and north-eastern Sardinia”;
- Study on the biology and population consistency of minor species of pelagic fish: *Seriola dumerili* Risso 1810; *Coryphaena hippurus* Linnaeus 1758; *Euthynnus alletteratus* Rafinesque 1810; *Sarda sarda* Bloch 1793, in the seas around Sardinia “;
- Collection and analysis of data on fishing discards;
- Active restocking of lagoons, ponds and specific coastal areas with certified juveniles of fishes and crustaceans, according to the code for responsible fisheries FAO (1995)”
- VECTOR Project, Vulnerability of Italian coasts and marine ecosystems to climate changes and their role in the carbon cycle in the Mediterranean Sea;
- Pilot study on the recreational fishing of Atlantic bluefin tuna (*Thunnus thynnus*, Linnaeus 1758) according to the European Regulations CE 1543/00 and CE 1639/01;
- Pilot study on discards of fish stocks – level 1 - according to the European Regulations CE 1543/00 and CE 1639/01;
- Pilot study on discards of fish stocks – level 2 - according to the European Regulations CE 1543/00 and CE 1639/01;

Regional Government of Sardinia (Regione Autonoma della Sardegna)

- Plans for the protection of aquaculture resources;
- Triennial plan for fisheries and aquaculture;
- Plan for the protection and valorisation of Salt Ponds;
- Stock evaluation and extensive farming of the sea urchin (*Paracentrotus lividus*) for the management and production in the Sardinian seas;
- Census of the ichthyofauna of Sardinian freshwaters according to the regional law n°130 25/01/1992;
- Evaluation of the population consistency of the trout *Salmo trutta macrostigma* in the Sardinian freshwaters for its recovery;
- Effects of the fishing closure on some salt lagoons of Sardinia;
- Studies on the biology and localization of Coral reefs in the Sardinian seas;
- Selectivity of fishing gears for the correct management of resources;
- Evaluation of the potential productivity of Marceddi lagoon;
- Evaluation of the environmental impact of the beach seine on the coastal area;
- Status and management of the red coral *Corallium rubrum* in Sardinia;
- Planning of the marine coastal area for fish farming: identification of suitable marine areas;
- Genetic characterization of Sardinian trouts (*Salmo trutta macrostigma*) through the analysis of the mitochondrial DNA for the recovery of the species.

Special appointments

- 1991 - 1995 - President of Italian Society of Marine Biology;
- 1995 - Member of the Committee of Specialists on Marine Biology and Ichthyology appointed by the Ministry of Agriculture and Forestry
- 1994 – current member of Committee of Scientific Research for the Ministry of Agriculture and Forestry;
- 1995 - 2015 - President of National Scientific Committee on ichthyophagous birds (Ministry of Agriculture and Forestry);**
- 1996 -1998 Member of the National Committee for Conservation and Management of Biological Resources of the Sea,
- 1996 - 1998 - Member of the Commission on Central Consultation of the Ministry of Agriculture and Fisheries
- 1996 - 2015 - Delegate of the Ministry of Agriculture and Forestry to FAO for Fisheries Management
- 1999 - 2004 - President of Committee of the Marine Protected Area “Penisola del Sinis – Isola di Mal di Ventre”;
- 1999 - 2001 - President of the Technical and Scientific Committee of the project “Progetto Laguna” ANAP Sardegna;
- 2007 - current - Appointed by the Minister of Environment in the Committee of the Pelagos Sanctuary (transnational marine sanctuary for the protection of marine mammals in the Mediterranean Sea);
- 2017 - Consultant FAO Workshop on red coral

Teaching activities

- 1991 -1996 Professor of Zoology, curriculum of Life Sciences, Faculty of Sciences, University of Cagliari
- 1996 - current Professor of Marine Biology, curriculum of Applied bio-ecology and Life Sciences, Faculty of Sciences, University of Cagliari
- 1996 - 2000 Professor of Zoology, curriculum of Biological Sciences, Faculty of Sciences, University of Cagliari
- 2002 - current -Professor of Fisheries Ecology, curriculum of Environmental Sciences, University of Sassari
- 2004 - current Professor of Ecology, curriculum of Applied bio-ecology, Faculty of Sciences, University of Cagliari
- 2004 - current Professor of Fisheries biology, Superior degree in Marine biology, Faculty of Sciences, University of Cagliari
- 2004 - current Professor of Management of fishing resources, Superior degree in Marine biology, Faculty of Sciences, University of Cagliari
- 2002 – 2004 - Professor of Ichthyological Data Survey, curriculum in Environmental Sciences in freshwaters and lagoons, University of Sassari
- 2006 – 2015 - Professor Conservation of nature and their resources, Curriculum of Life Sciences, Faculty of Sciences, University of Cagliari