

LEMAR Joint Research Unit

LEMAR (Laboratory of Environmental Marine Sciences) group together ecologists, biologists, microbiologists, biogeochemists, chemists, physicists and environmental jurists to understand and model marine systems within the biosphere, define the characteristics of the environment and organisms, and decipher their interactions. The unit has a resolutely interdisciplinary policy, which is essential to address a complex area such as the interactions between the various components of the marine domain and between them and human activities. The laboratory is a Joint Research Unit of [UBO](#), [CNRS](#), [IRD](#) and [Ifremer](#). It has a dual affiliation with the CNRS: the INstitute of Ecology and Environment ([INEE](#)) and the National Institute of Sciences of the Universe ([INSU](#)). It is also a component of the Oceans, Climate and Resources Department ([OCEANS](#)) of the IRD and the Biological Resources and Environment Department (RBE) of Ifremer. LEMAR belongs to the European University Institute of the Sea (IUEM) of the University of Western Brittany (UBO). It is a major element of the observatory that brings together the components of IUEM, which became the Observatory of the Sciences of the Universe (OSU) in 2005. In particular, the unit is responsible for monitoring several series of coastal observations in the pelagic and benthic domains. The LEMAR was also co-pilot of axes 2 "Biodiversity and biological carbon pump" and 6 "Habitat evolution and population adaptation" of the [LabexMer](#) "A changing Ocean" and was one of the major actors in the development of the ISBlue University Research School project. LEMAR has a strong research activity in partnership with the developing countries in the South and is a member of three International Joint Laboratories with IRD ([LMI DISCOH](#) in Peru, [LMI TAPIOCA](#) in Brazil and [LMI ICMASA/ILOSA](#) in South Africa). We are also the co-host of the BeBest International Joint Laboratory (LIA) with the CNRS, UBO, IRD and [ISMER](#) in Quebec. LEMAR contributes strongly to the teaching of the [Faculty of Science](#) and the [IUT of Brest](#) at UBO. In the field of Marine and Coastal Sciences, we are particularly involved in the [SML Master](#) and the [EDSML](#) Doctoral School. In addition, the laboratory has been involved for many years in scientific mediation, dissemination and popularization of scientific research on its own themes (marine environment, climate), and this activity is expected to continue to develop.

LEMAR integrates its research into major national and international scientific programmes and develops a strong European integration policy within many EU-funded programmes.

Since 2008, LEMAR has been joined by the former US CHRONOS of the IRD, and the IUEM Marine Chemistry team. In 2010 two IRD teams (US ACAPELLA and UR RAP) and several researchers, increasing its staff from 43 to 70 permanent staff. In 2011, several researchers from the Laboratory of Ecophysiology and Biotechnology of Halophytes and Marine Algae (LEBHAM) and from the Laboratory of Chemistry, Molecular Electrochemistry and Analytical Chemistry (CEMCA) of UBO joined LEMAR. Finally, LEMAR has merged with the "Functional Physiology of Marine Organisms (PFOM)" unit from Ifremer in 2012. In Brest, our privileged partners are the IUEM research units, those of Ifremer (three of which, [UMR LOPS](#), [AMURE](#) and [LM2E](#), are also part of IUEM), and those of IRD ([UMR LOPS](#) and [US IMAGO](#)), with collaborations covering all the laboratory's important themes. As of June 30, 2020, the Laboratory had 123 permanent staff, for a total of 195 employees.