

Ecology / Biodiversity / Adaptation / Conservation
Environmental constraint / Sustainable development

Centre d'Études Biologiques de Chizé (CEBC)

Located in the department of Deux-Sèvres, in the heart of the Chizé forest, the CEBC (UMR 7372 La Rochelle Université – CNRS) works on the knowledge on the ecology of wild animals confronted with the disturbances of their natural environment.

Its research focuses on the evolution of local populations of mammals, reptiles and birds as well as that of marine predators of the French Southern and Antarctic Territories (TAAF).



Director — **Christophe Guinet**

Permanent research staff — **21**

Phd student — **23**

Permanent technical assistant staff — **21**

Staff on research project — **49**

— **3 teams**

- ▶ Agripop
- ▶ Écophysiologie évolutive
- ▶ Prédateurs marins

Disciplines — Ecology . Agro-ecology . Bio-logging
Physiology . Genetic . Statistics and modeling
Eco-toxicology



— Societal challenges

Preservation

Participation to natural heritages preservation by overseeing captive and in situ breeding programs for endangered animal species.

Climate

Study of the capacity to adapt for birds and marine mammals to the upheavals due to climate change that disrupts the balance of many species' populations.

Agriculture

Identification of the natural mechanisms leading to the rarefaction or extinction of many species of plants and animals to help better reconcile agriculture and biodiversity.

Human activities

Identification and analysis

of disturbances caused by human activities on natural environments and the living creatures they inhabit.

Adaptation

Study of changes in the behavior and functioning of animal organisms to overcome disturbances in their environment.

Durability

Central concept in its scientific concerns, it applies as much to the availability of food resources as to the maintenance over time and space of populations of species.



– Research Network

CEBC is associated with a dozen laboratories, research institutes and universities, in France and abroad via its biological analysis platform and its experimental systems, which give it the capacity to measure metabolism and behavior of a wide range of animal species.

One of the strengths of the CEBC is to host one of 13 national long-term interdisciplinary research projects on the environment and human-environment interactions: the "Zone Atelier Plaine and Val de Sèvre". This research platform involves INRA and CNRS units, universities and research and development organizations (agronomy, ecology, socio-economics) on the role of biodiversity



– Expertise Achievements

In the Indian Ocean, CEBC is studying the mortality induced by fisheries on seabirds.

At the regional level, CEBC, as the Natura 2000 operator in the Workshop Zone "Atelier Plaine and Val de Sèvre", drafts environmental specifications (biodiversity and water) and contracts them with farmers. These contracted surfaces are true experimental research-intervention tools.

In addition, the CEBC engages in citizen science programs that allow everyone to participate in the biodiversity management choices of their territory.



Training

MASTER ENVIRONMENTAL SCIENCES

- ▶ course Geosciences and coastal geophysics
- ▶ course Environmental management and coastal ecology

MASTER BIOLOGY OF ORGANISMS AND POPULATIONS (Université de Poitiers)

– Partnerships Collaborations



CEBC works with local authorities (including the Deux-Sèvres General council) and national institutions (including the Ministry of Ecology, Sustainable Development and Energy). Its research is conducted in partnership with many French public institutions (including the CNRS, INRA, the National Office of Hunting and Wildlife, the NFB, the Agency of Marine Protected Areas) and international institutions (including Arizona State University).

To carry out its animal species conservation missions, the Center associates its efforts with those of the Zoodyssée animal park and nature protection associations (including the League for the Protection of Birds).



CONTACT
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