



SERVICES

LANRESC comprises a broad group of researchers and specialists from first-class institutions across the national territory that can offer state-of-the-art SERVICES in coastal engineering, physical oceanography, chemistry, biology, and socio-economic issues in coastal communities.

These services are accompanied by workshops and short courses on various topics related to coastal resilience.

UNAM YUCATAN ACADEMIC UNIT

[Graduate studies in Biological Science](#)

[Undergraduate studies in Sustainable Management of Coastal Zones](#)

[Master and PhD in Sea Science and Limnology](#)

[Master and PhD in Engineering](#)

[Master in Science field of knowledge in experimental clinical research in health](#)

CCGS

[Diploma course in sustainability and territories](#)

CINVESTAV-MÉRIDA

[Master in Marine Biology](#)

[PhD in Human Ecology](#)

[Master in Human Ecology](#)

[PhD in Marine Science](#)

IIEC

[Graduate studies in sustainability science](#)

[Graduate studies in economics](#)

ITSON

[Engineering in environmental science](#)

[Master in Science in natural resources](#)

FOR MORE INFORMATION

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Laboratorio Nacional
de Resiliencia Costera

LANRESC

NATIONAL COASTAL RESILIENCE
LABORATORY



LANRESC

is part of the National
Council for Science and
Technology

The National Coastal Resilience Laboratory (LANRESC, for its acronym in Spanish) is a laboratory « with no walls » established in association with institutions in different regions of Mexico in order to extend the scientific-technological capabilities of different research groups working on coastal resilience.

LANRESC carries out research of the highest standard based on interdisciplinary work and human resources training linked to the Undergraduate and Graduate degrees offered by the institutions involved.

MISSION

To evaluate the ability of coastal systems and coastal communities to recover from and adapt to disruptions, through technical services, interdisciplinary and inter-institutional research high quality human resources training and the generation of knowledge for decision making.

VISION

To be the reference laboratory for the region of Mexico, Central America and the Caribbean, dedicated to the study of coastal resilience in the context of sustainability and global warming. To link public and private sectors and to train high quality human resources with interdisciplinary capabilities. To be a multidisciplinary team with a high degree of specialization and diversification in research topics, methodologies, equipment and state of the art infrastructure and technology, that participates in various Graduate programs and is present in different regions across the country.

OBJECTIVE OF LANRESC

TO CONDUCT STUDIES AND PROPOSE SUSTAINABLE SOLUTIONS FOCUSED ON THE GENERATION OF KNOWLEDGE AND CONTRIBUTE TO THE CONSERVATION AND ADAPTATION OF COASTAL SYSTEMS CONFRONTED TO DIFFERENT NATURAL DISTURBANCES THAT OCCUR ALONG THE COAST.

RESEARCH TOPICS

LANRESC performs interdisciplinary research through extensive academic collaboration focused on the comprehensive study of coastal areas. The following are the major research topics in which the wide variety of specialists and researchers participate.

- ❖ **Integrated management of coastal areas**
- ❖ **Risk and vulnerability**
- ❖ **Resource use and exploitation**
- ❖ **Coastal ecosystems**
- ❖ **Climate change effects and impacts on the coast**

HUMAN RESOURCES TRAINING

One of LANRESC's long term goals is to become a national benchmark in human resources training, in order to have a clear impact on knowledge generation as well as on public policy formulation for conservation and sustainable use of Mexico's coastal areas.



Associated and participating institutions offer a wide selection of undergraduate and graduate programs, visiting research and professor scholarships and certification courses.

LANRESC COMPRISES THE FOLLOWING INSTITUTIONS

