

Technological University of the Sea Tamaulipas Bicentenary

Public Decentralized Organism from the State of Tamaulipas



La Pesca, Soto la Marina, Tamaulipas, México.



The Technological University of the Sea Tamaulipas Bicentenary (UTMarT) was created on July 30, 2010, as states on the Official Newspaper from the State of Tamaulipas No. 113 from September 22, 2010

- **Administrative activities started on August 2nd, and the academic activities on August 30th**



- **At the same time, another big project is created: The Student House “Eugenio Hernández Balboa”, to house all students with economic disadvantages**

UTMarT's Student's House

The Students House has 18 bedrooms and a roofed space used as kitchen and dining room.

The objective of creating the Students House is to provide accommodation and food to students in economic disadvantage from other locations.

This is the only real way to make school possible for this students.



This University began its educational activities in the semester August-December 2010 offering 2 programs:

- **Senior Technician in Tourism and Senior Technician in Aquaculture, both scalable to bachelor or graduate degree level.**



In aquaculture, UTMarT has a strong social commitment because it focuses on generating well educated professionals that come from limited income families that live in Tamaulipas' rural communities.

Objectives of UTMarT

- Improve the quality of education by generating highly skilled professionals that add value to the aquaculture sector through innovation and sustainable development.
- Develop projects directed to improve the production of goods and services for a better quality of life in the communities.
- Develop programs of technological, maritime and fisheries support to the communities.
- Promote science and technology in the State through applied research and academic exchange with other national and international institutions.
- Develop extension and liaison functions with public and private sectors that can contribute to the economic and social development of the communities
- Perform academic activities in coordination with other national and international institutions.



The UTMart was founded to take advantage of current and future opportunities in aquaculture and to address the existing limiting factors. To do so, UTMart has been active in building laboratories, hatcheries and other facilities that will help farmers with their production needs.



Impact Infrastructure

Production: Provide and supply quality seed and juveniles, clinical diagnostic services, quarantine and genetics.

Education and Research: Count with the necessary buildings and infrastructure to build capacity and human resources through theoretical and practical studies in aquaculture and related topics.



Impact Infrastructure

Academic Extension: Provide knowledge, advisory and technological support directed to stimulate viable projects that in turn will improve the economy and quality of life of rural communities

The Laboratories that UTMarT has been building and conditioning will focus on expanding the knowledge and eventually develop the farming technology of economically important species typical to the region. Marine fish such as common snook *Centropomus undecimalis*, speckled flounder *Paralichthys woolmani*, whitemouth croaker *Micropogonia furnieri*, and yellowtail amberjack *Seriola lalandi*. Freshwater fish such as channel catfish *Ictalurus punctatus*, Texas cichlid *Cichlasoma cyanoguttatus*, largemouth bass *Micropterus salmoides*, and longnose gar *Lepisosteus osseus*. Bivalve molluscs like oyster *Crassostrea virginica*.

In addition, UTMarT is also building multifunctional laboratories that will aid in providing technical advisory, disease diagnostic services, genetics, assessments and monitoring.



Working together for development

The UTMarT is working together with other organizations in order to develop more and better jobs for rural communities in a sustainable way. We are actually working with:

1. Laguna de Morales Cooperative Fishing Society, La Pesca, Soto La Marina, Tamaulipas.
2. National Farmers Confederation (CNC); Victoria, City, Tamaulipas.

Advantages:

- This projects will help to create new sustainable ways to exploit the resources.
- New and better job opportunities will emerge for local population.
- Students will be in close contact with the community problems and solutions.
- Students will have the right tools to change their own communities and generate wealth.
- New opportunities will diminish population migration. To the U.S.A.

Additionally, UTMarT is actively looking for collaborations with other national and international institutions interested in providing support to improve and expand the UTMarT's academic and infrastructure capabilities.

**Aquaculture without Frontiers
(AwF) signed a Cooperation
Agreement with the Universidad
Tecnológica Del Mar De Tamaulipas
Bicentenario**



NEW AQUACULTURE LEARNING CENTERS IN MEXICO; AwF AND FARMER TO FARMER REVIEW

Scott Lindell¹ and Rick Karney, Marine Biological Laboratory

Aquaculture without Frontiers (AwF) signed a Cooperation Agreement with the Universidad Tecnológica Del Mar De Tamaulipas Bicentenario (UTMarT) based in La Pesca, Soto la Marina, Tamaulipas, México to help develop two Aquaculture Learning Centers associated with the University. The UTMarT currently offers Technical, Bachelor and Graduate programs in aquaculture. The target of this agreement is to jointly develop food security and personnel training in the International Center for Innovation and Technology Transfer for Aquaculture (CIITTA), which will be AwF's first Aquaculture Learning Centre (ALC) in a newly renovated former water treatment plant in Tancol near Tampico (Figure 1). Here the focus will be on freshwater fish such as catfish and alligator gar. Another ALC is planned for Vistahermosa near UTMarT in La Pesca that includes extensive indoor and outdoor facilities that are also undergoing renovations including a new shellfish hatchery (Figure 2). A highlight of our work tour was meeting with the oyster harvesters and discussing opportunities to improve the shellfishing by better resource management and aquaculture. The recommendations made include further environmental studies of the local lagoons to help site optimal growing areas, and better understanding of domestic and international markets.





More expert advice into UTMarT and Mexico

[Roy P](#) Seafood Specialist

<https://www.facebook.com/UTMarT>

Further to the agreement made between the Technical University of Tamaulipas Sea Bicentennial (UTMarT) and Aquaculture without Frontiers (AwF) Dr. Imad Saoud (American University, Lebanon), one of the world's leading experts in Aquaculture in Arid land paid a visit to UTMarT during this last week.

During his stay Dr. Saoud visited the AwF/International Center for Innovation and Technology Transfer Aquaculture (CIITTA) of UTMarT, laboratories Tancol aquaculture in Tampico, Tam., and viewed site plans that are currently under renovation giving important tips to optimize equipment and spaces. In addition, he discussed with Dr. Antonio Garza de Yta and other UTMarT staff potential research protocols to be performed in this facility. Dr. Saoud has much experience in this area as has designed aquaculture laboratories in many locations following his time at Auburn University, USA. Dr. Saoud later moved to the University campus located in the village of La Pesca, where he gave two lectures to the students of aquaculture, revised the design area Vistahermosa laboratory aquaria and discussed possible research applications.