

## Overview: Engagement with Mexico

Texas A&M University has enjoyed strong educational partnership with universities, consortia, communities and governmental agencies of Mexico for nearly 100 years, with the first documented collaboration being a tick elimination program sponsored by the Texas A&M Veterinary School in 1917. From student participation and initiatives in neighboring communities on both sides of the Rio Grande to academic collaboration across Mexico, the impact in teaching, research and service through engagement and collaboration continue to enhance our connected future. Below is just a brief overview of our partnerships.

### Formal Academic Partnerships (active):

Name of Institution	City	Type	Start Date	Expiry Date	TAMU College
Universidad de las Americas, Puebla	Puebla	Reciprocal Education Exchange Program	3/8/2013	3/8/2018	University Wide
Consejo Nacional de Ciencia y Tecnologia (CONACYT)	Mexico City	Memorandum Of Agreement	8/16/1996	12/31/2017	University Wide
Instituto Tecnológico de Estudios Superiores de Occidente	Guadalajara	Memorandum Of Agreement	12/5/2012	12/5/2017	Dwight Look College of Engineering
Centro de Investigación y Estudios Avanzados del Instituto Politécnico Nacional (CINVESTAV)	Mexico City (Multiple campuses)	Memorandum Of Agreement	13/12/2015	16/12/2020	University Wide
Instituto Nacional de Investigaciones Nucleares	La Marquesa	Memorandum Of Agreement	7/28/2003	8/12/2016	Dwight Look College of Engineering
Instituto Tecnológico Y de Estudios Superiores De Monterrey	Monterrey	Memorandum Of Agreement	8/9/2002	3/25/2016	University Wide
Universidad Panamericana (Instituto Panamericano de Alta Direccion de Empresa)	Mexico City	Reciprocal Education Exchange Program	9/22/1995	6/12/2014	Mays Business School
Universidad Juarez Autónoma de Tabasco	Villahermosa	Memorandum Of Agreement	08/03/2016	08/03/2021	College of Agriculture and Life Sciences

### Under Review for Renewal:

Instituto Tecnológico Y de Estudios Superiores De Monterrey	Monterrey	Memorandum Of Agreement	30/04/2003	26/03/2016	University Wide
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### Current students from Mexico enrolled in degree programs of Texas A&M University:

Fall 2013	381
Spring 2014	347
Fall 2014	433
Spring 2015	394
Fall 2015	433

### Global Partnership Resource:

Texas A&M operates a non-profit company in Mexico to facilitate research, partnership with federal Mexican agencies, and provide resources/services to enable Texas A&M partnership in Mexico. This entity is recorded in the National Register of Institutions and Companies Scientific and Technology (RENIECYT) from CONACYT. The corporation occupies offices in Mexico City and may be contacted through Ms. Teresa Olvera at [tolvera@tamu.edu](mailto:tolvera@tamu.edu) or 55-46-88-99.

### Texas A&M students studying abroad in Mexico:

2010-2011	142
2011-2012	118
2012-2013	81
2013-2014	122

### Sample Student Engagement Activities and Study Abroad Programs:

- Biological & Agricultural Engineering Mexico Exchange Field Trip – Guanajuato & Irapuato
- A&M Brotherhood of Christian Aggies Yucatan Mission Trip - Cancun
- Galveston Mexico Marine Ecology - Akumal
- Mexico Contemporary Issues in Water Resources: U.S. Mexico Water, Food and Energy Nexus – Guanajuato & San Miguel de Allende
- Mexico Poultry Production - San Miguel de Allende
- Mexico Sustainable Agriculture – Guanajuato, Mexico City, & San Miguel de Allende
- Mexico Teaching, Language, and Culture 2015 - San Miguel de Allende
- Veterinarians without Borders Mexico – Mexico City & Palenque

### Signature International Service Agreements:

- Centro de Estudios y Investigacio Santa Clara (CEISC) and Hacienda Santa Clara (San Miguel de Allende, Mexico). Owned and operated by Distinguished Alumni, Mr. Pablo Marvin'66 and his family, the Hacienda Santa Clara provides a location for a variety of student study abroad programs, research activities and partnership collaborations. Texas A&M has joined University of Guanajuato as a signature partner, investing in information technology at the center thru our Mexico based non profit corporation in exchange for preferred rates and services. Key colleges engaged are Agriculture and Life Sciences, Geosciences, Veterinary Medicine, Nursing, and Law
- Kukulkan Language Institute is a Spanish language Immersion Program located in Cuernavaca. Texas A&M's department of International Studies has a longstanding collaboration with the institute to transfer credit earned into Texas A&M degree programs.

### Outstanding International Alumni Award:

Dr. José Manuel Cabrera Sixto, President of the University of Guanajuato, was a member of the first class in the agricultural engineering program at the University of Guanajuato. While on the faculty there, he received a fellowship for graduate studies at Texas A&M, earning his master's (1990) and doctoral degrees (1993) in Agricultural Engineering. Since then, he has been an ambassador for the exchange of engineering knowledge

between nations and a supporter of social and economic development through education. In April 2015, he was awarded the Outstanding International Alumni Award from Texas A&M University.

He joins past recipients from Mexico: Pablo Marvin '66 and Alberto Mariano Vazquez-DeLaCerde '75

### Number of Texas A&M Alumni in Mexico:

January 2015	610
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### Sample Research and Collaborative Projects:

**Association of Public & Land Grant Universities.** The National Association of Public & Land Grant Universities, led by Dr. Peter McPherson has expanded membership to reflect North American collaborations including several Canadian and Mexican public institutions of higher education. In Mexico this includes, Instituto Politécnico Nacional, Universidad Autónoma de Nuevo León, Universidad de Guadalajara, Universidad Nacional Autónoma de México, Universidad Veracruzana. Texas A&M University leaders are collaborating with APLU staff to support this initiative. Dr. Mark Hussey, interim president has been part of a taskforce of presidents appointed by McPherson to explore this membership and unique collaborative opportunities. Chad Wootton, Associate Vice President for External Affairs serves on the executive committee of APLU's Council on Engagement & Outreach (CEO) and as Liaison to the Commission on International Initiatives (CII). This summer the joint meeting of CEO & CII in Colorado will explore further collaborations with representatives from the APLU member institutions from Mexico, US and Canada.

**Collaborative Research with CONACYT.** Texas A&M University and the Consejo Nacional de Ciencia y Tecnología (CONACYT) began the Collaborative Research Grant Program in 2001. This competitive, peer-reviewed program advances inter-institutional cooperation in science, technology, and scholarly activities. The program's aim is to stimulate significant international research cooperation by providing seed money for collaborative research between Texas A&M and higher education institutions in Mexico or CONACYT research centers. To date, the program has funded nearly 200 joint research teams and over \$5 million. A research symposium will be held in College Station for awarded scientists in June 2015.

**Partnership with CIDESI.** Mexico's Centro de Ingeniería y Desarrollo Industrial (CIDESI) has a longstanding relationship with the Department of Industrial Distribution and the Texas A&M Engineering Experiment Station (TEES) to promote the exchange of faculty, researchers and students for collaborative research, teaching and training. The most recent joint project, in its final stages, is for the development of a technology transfer model in advanced manufacturing in metal-mechanics, logistics and supply chains in the State of Mexico. Other projects include helping to develop a Center for Advanced Manufacturing and Logistics of the State of Mexico.

**CUDI Membership.** Texas A&M's corporate entity in Mexico is a member of the Corporación Universitaria para el Desarrollo de Internet (CUDI), the Internet 2 for Mexico. The benefit of internet 2 networks is to create a highly secure environment for research and testing. As a member, Texas A&M can use the CUDI infrastructure to improve connectivity for research, teaching and partnership as a resource to our faculty and partners.

**Transportation.** The Texas A&M Transportation Institute (TTI) is working with the Secretaría de Comunicaciones y Transporte and other institutions. A TTI researcher housed at the Texas A&M University's global partnership resource office (mentioned above) in Mexico works with private & governmental transportation projects.

**Libraries of the Americas.** The Sterling Evans Library is a collaborator in the project "Los Primeros libros de las Américas: impresos mexicanos y peruanos del siglo XVI en las bibliotecas del mundo", a collaboration of institutions in Mexico, the United States, Spain, Chile and Peru whose goal is to digitize, preserve, and increase

the academic interest in books printed in the sixteenth century in Mexico and Peru. To date, this partnership has facilitated the scanning of important documents from six Mexican libraries.

***Evolutionary Genomics.*** Dr. Gil Rosenthal, a respected expert in animal behavior, has conducted research in Hildalgo for several decades, probing mating preferences among swordtail fish native to the Río Calnali as a model species for understanding evolutionary genomics. In 2005, Rosenthal co-founded the Centro de Investigaciones Científicas de las Huastecas “Aguazarca” (CICHAZ) research center in Calnali.

***Entomology Collection, Catalogue and Study.*** Texas A&M has one of the most sustained efforts among university collections to accumulate insect material from Mexico. Texas A&M systematists have participated in numerous cooperative activities with Mexican entomologists, many of whom have visited the collection to pursue joint or individual research projects. Recently, Texas A&M and Mexican systematists have conducted joint workshops on various aspects of the Mexican fauna and on methods for studying insect biodiversity.

***Ocean Ecosystem Recovery.*** Dr. Antonietta Quigg, professor and associate vice president for research and graduate studies at Texas A&M’s Galveston campus, has received \$7.25 million dollars from the Gulf of Mexico Research Initiative (GoMRI) to conduct scientific studies of the impacts of oil on the Gulf of Mexico ecosystem and public health. This research will study the effects of the April 2010 Macondo well blowout, also known as the Deepwater Horizon oil spill.

***Shared Water Resources.*** Gabriel Eckstein, professor at Texas A&M University School of Law in Fort Worth, and Rosario Sanchez Flores, program coordinator at Texas A&M’s Department of Water Management and Hydrological Science in College Station, have teamed up to create opportunities for increased cooperation between Texas and Mexico to share water resources and lessen the impact of the drought.

***Yucatan Research Consortium.*** In March 2015, the Texas Engineering Experiment Station (TEES) was inducted into the Yucatán’s research consortium, SIIDETEX, by Governor Rolando Zapata Bello, as a way to expand research collaborations. Currently, there are about 20 faculty in College Station and 20 in the Yucatán working on projects in the areas of sustainable energy, aquifers, coastal dynamics, early warning systems and logistics/supply chain management. TEES is also in the process of expanding the collaboration opportunities among other Texas A&M System members.

***Border Community Sustainability – Colonias.*** Since 1991, when the Texas Legislature created the Colonias program, Texas A&M’s College of Architecture has been engaged with people of these Texas-Mexico border communities, helping them to build better lives through the conception, development, and delivery of integrated, sustainable, scalable, flexible, evidence-based, outcome-driven, and technology enabled solutions. In February 2015, the most recent success was the new Water Filtration Training Academy which graduated three individuals from Monterrey, N.L.

***Health Care Facility Design.*** Leading designers and healthcare administrators from North and South America discussed environmental health issues and health facility design in Latin American and Caribbean during the Spring 2015 Architecture-for-Health Lecture Series at the Texas A&M College of Architecture.

***Bush School Faculty Focus on Mexico Economic Policy.*** Faculty of the Department of International Affairs in the George H.W. Bush School of Government & Public Service at Texas A&M have focused research and scholarship related to issues of Mexico. Recent hires including Dr. Raymond Robertson and Dr. Emily Sellars enhance the work in labor, immigration, economic policy, wages and effects of NAFTA.