

# U.S.-Mexico Training, Internships, Exchanges, and Scholarships Initiative (TIES)

## A MODEL FOR SUCCESS





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National Association of Independent Colleges and Universities  
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# Foreword

In the past few years, I have witnessed the remarkable achievements made by several of the U.S.–Mexico university partnerships established under the TIES initiative.

I am proud of the support given by the U.S. government to these partnerships, which have demonstrated that faculty and students from both countries, with their enthusiasm and commitment, can increase the quality of life and competitiveness of our region. They have succeeded in creating sustainable projects through their countless interactions with one another and their work with communities and other local stakeholders.

During his recent visit to Mexico, President Bush met with students and teachers, who studied in the United States under the auspices of the TIES program, and have come back to Mexico to lend the expertise that they have gained to improve the communities in which they live.

President Bush was impressed by the stories of these students and teachers and stated that TIES “is a vital program that the United States must continue in order to help people realize the great benefits of education.”

The University Partnerships program is one of two components under the TIES initiative. It establishes relationships between U.S. and Mexican higher education institutions, and their public and private sector partners, to address common development issues.

Since its creation, 55 partnerships have been established, exceeding our original goal of 50. Each partnership proposes innovative ideas and strategies to strengthen capacity in diverse areas, such as natural resource management, transborder issues, small business development and trade, rule of law, agriculture, health, and rural finance.

I have always believed that education is key for development. I agree with President Bush when he said: “One of the best things the United States of America can do is help people realize their dreams. The best way to realize dreams is through education.”

I congratulate the participants of this wonderful program and encourage you all to continue with the hard work to strengthen our TIES.



Antonio O. Garza Jr.  
U.S. Ambassador to Mexico  
Mexico City, June 2007





# TIES: The Initiative

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hen the idea for the Training, Internships, Exchanges, and Scholarships (TIES) initiative was being developed in 2001, it drew heavily from the model of successful higher education partnership programs organized by the Association Liaison Office for University Cooperation in Development (ALO, the predecessor to Higher Education for Development) and funded by USAID. The TIES initiative uses university partnerships to advance Mexico's economic growth under the North American Free Trade Agreement (NAFTA).

Once established in 2002, the initial TIES initiative was an enormous success, with 37 sustainable institutional partnerships developed between higher education and research institutions in Mexico and the United States.

This initial success led to the continuation and expansion of the TIES initiative, which has grown to 55 higher education partnerships. It is anticipated that an additional five awards will be announced in June 2007.

These fully collaborative partnerships—between Mexican and U.S. higher education institutions and their public and private sector partners on both sides of the border—focus on examining development problems both countries share and working on strategic alliances to develop solutions.

TIES partnerships are funded by USAID, with additional funds provided by U.S. higher education institutions through tuition waivers, matching grants, cost sharing, and support from foundations and the private sector. Higher Education for Development (HED), serving as the administrator of the TIES initiative, has awarded nearly \$17 million to TIES partnerships. In addition, partners have provided support of nearly \$20 million in the form of cost share.

The objectives for the TIES higher education partnerships are:

1. To build human capacity through degrees earned, scholarships, exchanges, and non-degree learning opportunities.



2. To strengthen institutional capacity by developing new programs, revising curricula, improving teaching methods, collaborating in research and joint publications, supporting trade, advising on higher education policy, gaining NGO and government support, and pursuing workforce development and community outreach.
3. To support mutual strategic development goals related to workforce development, health, technology, economic growth, agriculture, environment, democracy and governance, and public policy.



# TIES: Success Stories

While all 55 partnerships have contributed to the success of the TIES initiative, the following seven examples provide a glimpse into how these higher education partnerships are achieving the initiative's objectives. These success stories were chosen because they vividly illustrate the real changes the TIES initiative has made in the lives of the people involved on both sides of the border.

These seven success stories highlight the breadth and scope of the TIES initiative: replication of a successful model, money leveraged by partners, entrepreneur development, private-sector involvement, creation of new masters level programs, binational focus, and sustainable development with a focus on rural communities.

## **CREATION OF THE U.S.–MEXICO BINATIONAL CENTER FOR ENVIRONMENTAL SCIENCES AND TOXICOLOGY**

*Partners: University of Arizona / Centro de Investigación y de Estudios Avanzados / Universidad Nacional Autónoma de México / Universidad Autónoma de San Luis Potosí / Universidad Juárez del Estado de Durango / Universidad Autónoma de Coahuila at Torreon / Centro de Investigación Científica y de Educación Superior de Ensenada Instituto Tecnológico de Sonora / Universidad Autónoma Metropolitana / Universidad de Sonora / Universidad Autónoma de Guerrero*

The inauguration in March 2007 of the U.S.–Mexico Binational Center for Environmental Sciences and Toxicology marked a proud moment for people of both countries. Financed with a modest seed grant of approximately \$300,000 from USAID under the TIES initiative, the University of Arizona (UA) and the Centro de Investigación y de Estudios Avanzados (CINVESTAV) partnership is offering hope to communities on the U.S.–Mexican border.



UA, with financial support from the U.S. Environmental Protection Agency (EPA), Mexico's Science and Education Ministry (CONACyT), and USAID, created the Binational Center to provide and support environmental science and toxicology training, research, and policy development. A further mission of the Binational Center is to promote a binational dialogue between investigators and stakeholders concerning risk assessment and remediation of hazardous environmental contaminants that are prevalent in the border region.

The partners have contributed over \$460,000 in cost sharing and have expanded their work with an additional \$1.46 million from the EPA. They are not stopping there and are continuing their efforts to bring in additional donors and stakeholders to offer low-cost solutions to environmental issues in the U.S. and Mexico.

### **IMPROVING PRODUCTIVITY IN MEXICO'S MAQUILADORA MANUFACTURING SECTOR**

*Partners: Alamo Community College District / Universidad Tecnológica de Coahuila / Universidad Tecnológica de Matamoros / Universidad Tecnológica de Ciudad Juárez*  
In Saltillo, employees of the local automotive industry took a training course in quality control, taught through this TIES partnership. As a result, one employee who was once at risk of displacement is now working for Lear Corporation of Saltillo in the area of quality systems.

This partnership was designed to infuse proven workforce development solutions to help Mexico adapt to global competition, new technology, and emerging workforce skill gaps in the *maquiladora* (manufacturing) sector.

The partnership is working. A quality control manager at

Delphi Corporation, one of the largest *maquiladoras* in Ciudad Juárez, participated in the TIES program. He then exhibited the quality control systems set up at his plant and praised the TIES program not only for offering the opportunity to train his employees, but also for its approach to the real problems that are routinely faced at *maquiladoras*.

Finally, Juan Carlos Guitierrez, a professor at the Universidad Tecnológica de Matamoros, worked as a team teacher with Diego Villarreal at the Texas State Technical College in Harlingen. The two instructors offered a course in programmable logic controllers (PLC). Gutierrez benefited from his work with Villarreal to such a degree that he now offers consulting services in PLC to local companies, such as SIMEKEN, an environmental engineering firm that converts solids (used tires) into energy.

### **BUILDING THE MEXICAN ECONOMY, ONE SMALL BUSINESS AT A TIME**

*Partners: University of Texas at San Antonio / Universidad Autónoma de Guadalajara*

People around the world dream of having an idea and starting a business that improves the lives of families. In Mexico that dream is difficult to realize, as there are not many sources of help on how to start a business. To help solve this problem, a TIES partnership was formed between the University of Texas at San Antonio (UTSA) and the Universidad Autónoma de Guadalajara (UAG) to replicate the established U.S. Small Business Development Center (SBDC) model in Mexico via a pilot Centro Mexico Emprende SBDC.

The goal of the pilot Centro Mexico Emprende SBDC was to transfer the operating guidelines and quality standards of the U.S. SBDC network. Within six months of its start-up, news of the pilot spread across Mexico and many universities became interested in hosting their own program. In response, the UTSA-UAG partnership created the first ever *SBDC Diplomado Training Program* that transferred best practices of the U.S. model



and that graduated more than 200 Mexican SBDC personnel.



By 2006, there were more than 42 newly created SBDC programs located at universities throughout Mexico. This rapid growth resulted in the formation of the Mexican Association of SBDCs whose mission is to replicate the model nationally and to establish quality standards based on job creation, business starts, access to capital, etc.

The new association signed an agreement with its counterpart, U.S. Association of SBDCs, to promote international trade opportunities among the 750,000-plus clients of both networks.

The lasting legacy of the UTSA-UAGTIES partnership is the creation of a nation-spanning Mexican SBDC network whose goal is to strengthen the small businesses sector. A strong Mexican SBDC network also benefits the U.S. small business community as it provides instant bilateral trade and investment opportunities. This will result in job creation and an increase in competitiveness for the small businesses of both countries.

#### **A COMMUNITY APPROACH TO NATURAL RESOURCE MANAGEMENT AND PLANNING**

*Partners: University of New Mexico / Universidad de Quintana Roo*

Through a TIES partnership, the University of New Mexico (UNM) and the Universidad de Quintana Roo (UQRoo) developed the first accredited Natural Resource Management and Planning graduate program in the Yucatán Peninsula in Mexico. The partnership is building the institutional capacity of UQRoo to provide high-quality applied teaching and scholarship opportunities in Southeast Mexico.

The partnership is supporting community-based decision making in the region. “The planning program at UQRoo has been well accepted not only by the local government and stakeholders, but also by the federal ministry of education due to the model and approach of the program,” said Francisco Javier Rosado May, former rector and partnership director of UQRoo.

The program draws mid-career and new practitioners who currently work in natural resources management within local and state government positions and local non-governmental organizations. Their training at UQRoo assists them in making informed critical planning and policy decisions essential to responsible growth in the region. The program encourages significant involvement of stakeholders in municipal strategic planning.

“This is an excellent opportunity to contribute to the sustainable development of the region,” said Monica Chargoy, an UQRoo faculty member, TIES scholar, and former municipality chair of the Department of Ecology. “We badly needed more appropriate tools for planning.”

#### **HIGHER EDUCATION AND THE PRIVATE SECTOR: A PARTNERSHIP TO CLEAN WATER**

*Partners: Texas A&M University, Corpus Christi / Lamar University / Instituto Tecnológico de Saltillo / Universidad Tecnológica de Coahuila / Universidad Tecnológica de Torreón*

With new mobile electrocoagulation (EC) technologies and a TIES partnership, these partners are working to remove arsenic from drinking water in the state of Coahuila, Mexico. These technologies have resulted in one Mexican patent, with two additional Mexican patent applications pending.

The partners are working closely with two private sector companies, Kaselco, a U.S.-based wastewater treatment company, and

Ecolimpo, a Mexican environmental services company. Kaselco and Ecolimpo have partnered to commercialize EC technologies to offer clean water solutions to people throughout Mexico and Latin America.

Kaselco manufactures new EC pilot plants for the partnership, and the company hosted Hector Moreno, a Mexican PhD candidate at Lamar University who conducted research at Kaselco on EC processes. Ecolimpo has contributed approximately US\$200,000 in EC equipment to the partnership.

Moreno will return to the Universidad Tecnológica de Torreón to train students and colleagues and continue research efforts.

### **TIES STUDENTS APPLYING HIV PREVENTION IN BAJA CALIFORNIA**

*Partners: University of California, San Diego / Universidad Autónoma de Baja California / San Diego State University / El Colegio de la Frontera Norte*

Four higher education institutions in the United States and Mexico are collaborating in the fight to stop the spread of HIV/AIDS in Baja California. The partner institutions work

closely with government and community organizations to provide students and faculty a unique field experience in international public health. This consists of a three-day field trip to the rural valley of San Quintin, home to a large number of migrants, and among whom HIV is rising.



Through their TIES partnership, graduate students and faculty from University of California, San Diego; San Diego State University; Universidad Autónoma de Baja California; and El Colegio de la Frontera Norte developed the Inter-Institutional Field Trip for Integral Higher Learning, Community Practice, Assistance and Research (VIIDAI) program.

With assistance from the HIV/AIDS prevention government programs (ISESALUD) in Tijuana and San Quintin, faculty from the four partnering institutions trained 10 Mexican graduate students in HIV/AIDS voluntary counseling and testing. To promote HIV/AIDS and STD prevention, COMUSIDA Tijuana, a community-based organization, gave the TIES students 100 kits for HIV and syphilis rapid tests.

During the three-day field trip, students offered counseling services in Colonia El Porvenir and in the rural town of San Quintin, which is known to be a high-risk region where truckers, migrants, and prostitutes intermingle. Students applied learned skills in HIV voluntary counseling and testing, teaching HIV/AIDS prevention to community members and local health promoters. At a small hotel close to several bars, students turned several rooms into counseling offices where they delivered 100 counseling sessions.

For the next VIIDAI field trip, students will participate in a qualitative research project focusing on commercial truck drivers passing through San Quintin.

## SUSTAINABLE DEVELOPMENT AND EDUCATION OPPORTUNITIES FOR RURAL AND INDIGENOUS COMMUNITIES

*Partners: New Mexico State University / Universidad Autónoma de Chihuahua*

The mountainous region of Sierra Tarahumara in Mexico continues to struggle with many development challenges. Many of the 100,000 mostly indigenous inhabitants living in the area face health problems, malnutrition, drought, poverty, and destructive environmental practices. To counter these challenges, New Mexico State University (NMSU) and the Universidad Autónoma de Chihuahua, along with NGOs from both sides of the border, have developed a TIES partnership. The partners are funding six graduate students to study in the United States and use the skills they gain there when they return to the Sierra Tarahumara.

Manuel Lopez is one of the students selected for the TIES funded scholarship. He is attending the master's degree program at NMSU and is researching how best to maintain and teach indigenous languages—a critical need for the region because many of the indigenous languages are lost due to instruction in Spanish.

A Summit on Binational Indigenous Rural Education was held December 1–2, 2006, in Creel, Mexico. With more than 160 participants made up of indigenous educators, indigenous state and community leaders, and university students and staff from both Chihuahua and New Mexico, the summit was a great success. Researchers and practitio-

ners from both Chihuahua and New Mexico shared best practices, problems, and concerns in working with indigenous populations, and this led to discussions with the participants in small groups. Summit participants learned about community-centered and student-focused practices in pueblo schools in New Mexico. In particular, the Mexican educators were able to learn more about these new techniques. At the conclusion of the event, there was a commitment to hold another conference next year in Chihuahua, Mexico.

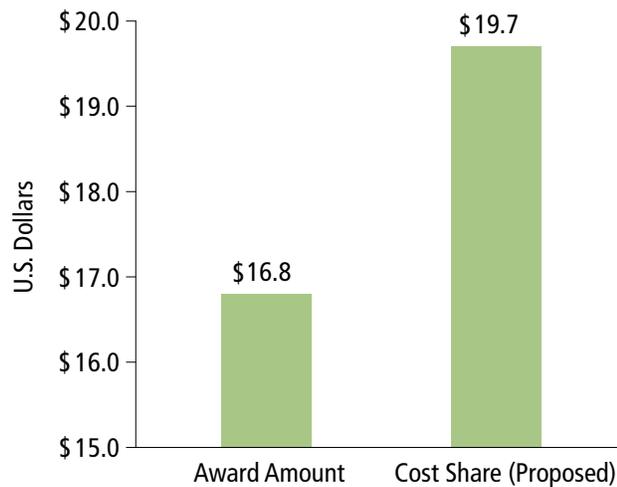




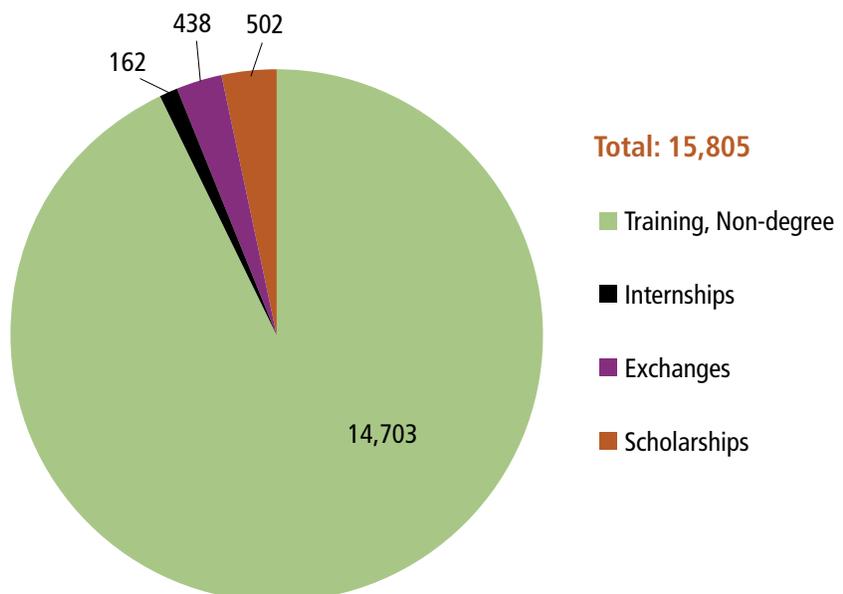
# TIES: Facts and Figures

THE FIGURES BELOW—FROM THE REPORTING PERIOD OF JAN 2003 TO SEPT 2006—  
DEMONSTRATE THE ACHIEVEMENTS OF THE TIES PARTNERSHIPS.

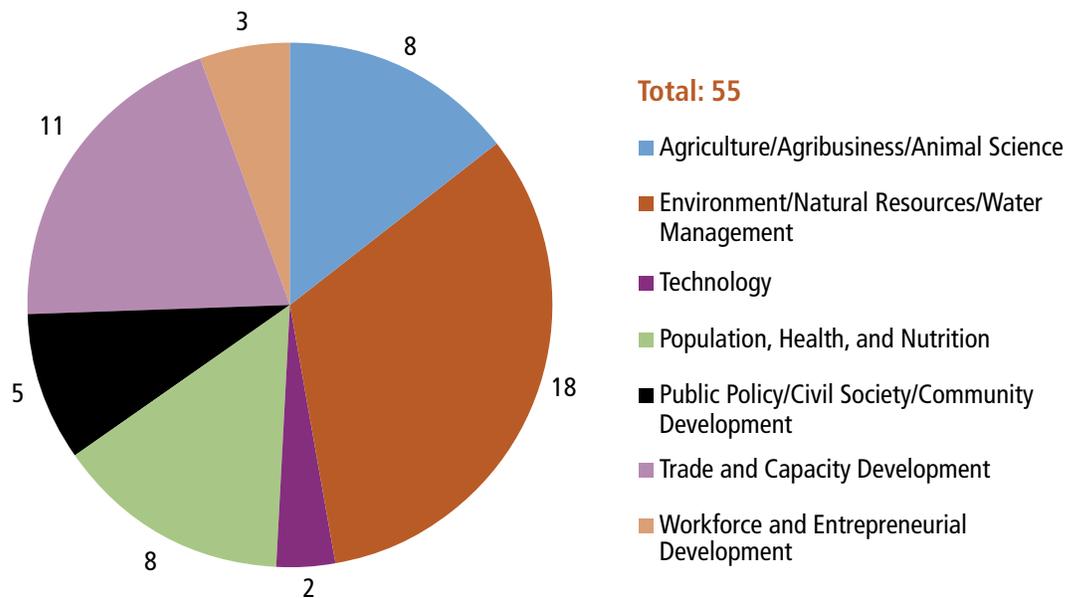
## TIES Funding (in millions)



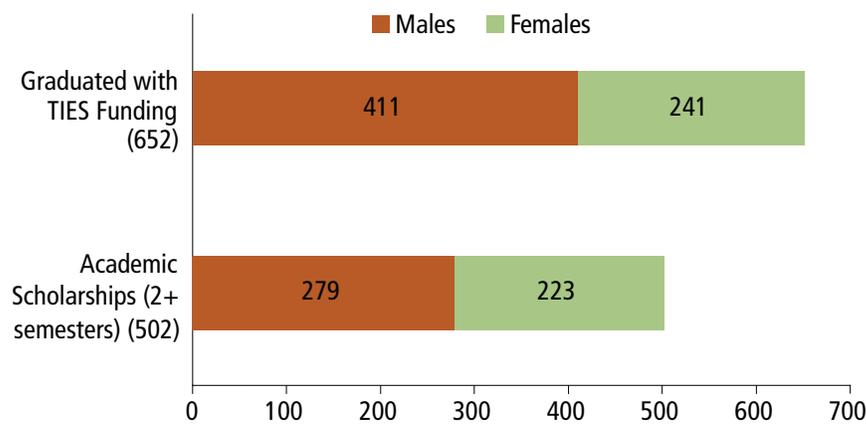
## Number of TIES Activities



### Number of TIES Partnerships, by Sector

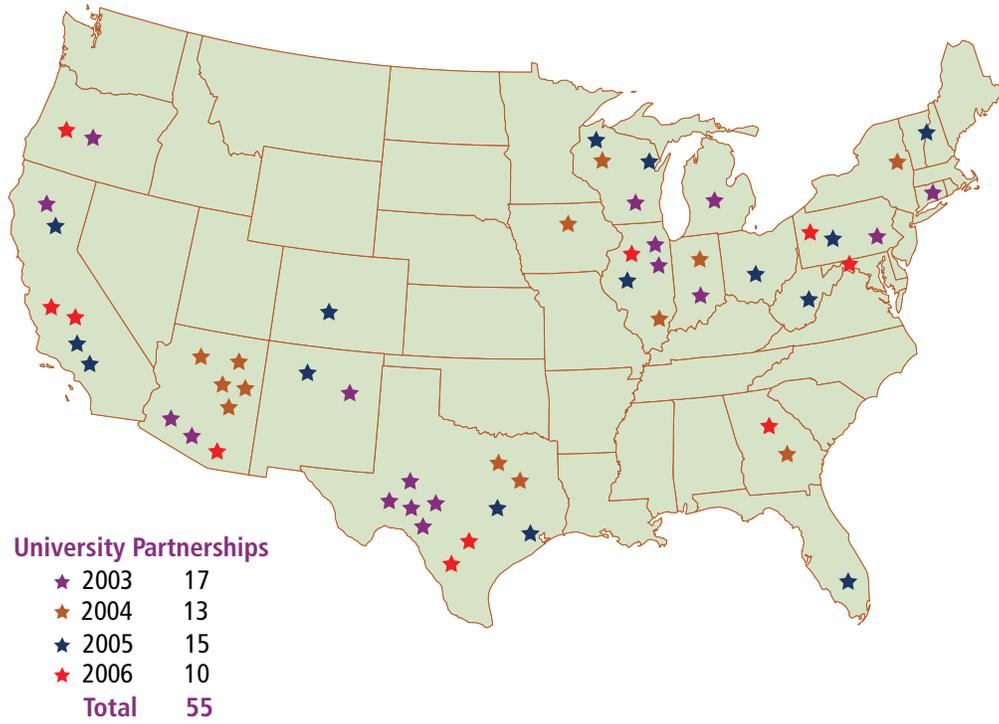


### Number of TIES Scholars, by Gender



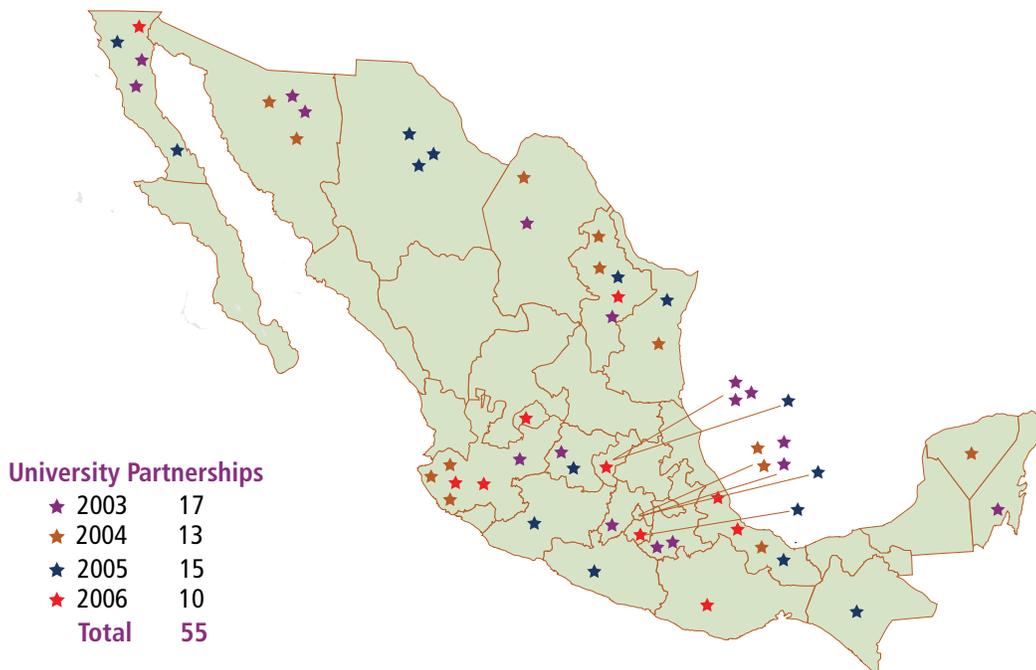
## TIES Partners in the United States

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## TIES Partners in Mexico

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# TIES: Index (by Sector)

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While we would like to acknowledge the contribution made by every person who helped make each TIES partnership a success, we are only able to list the names of the partnership directors.

## AGRICULTURE/AGRIBUSINESS/ANIMAL SCIENCE

### Cornell University / Universidad Autónoma de Yucatán (2004)

*Partnership Directors: Robert Blake & Guillermo Ríos Arjona*

Enhance Mexico's competitiveness in the production of animal-source foods by developing the professionals needed to lead animal agricultural development in Mexico's Gulf Region.

### Iowa State University / Universidad de Colima (2004)

*Partnership Directors: David E. Hansen & Susana Aurelia Preciado Jiménez*

Promote economic growth and improve the quality of life for rural Colima communities through broad-based university outreach programs that deliver local demand-driven technology.

### New Mexico State University / Universidad Autónoma de Chihuahua (2005)

*Partnership Directors: Everett Eggington & Raúl Favela*

Provide research and training opportunities in food production, small farm development, natural resources management, and income production/marketing to develop marketing strategies for Sierra Tarahumara products in Mexico and the United States.

### Pennsylvania State University / Universidad de Guanajuato (2005)

*Partnership Directors: Deanna Behring & Manuel Collado*

Develop and train extension educators to assist small farmers with low-cost technology for agricultural development.



**University of Arizona / Universidad Autónoma de Chapingo (2003)**

*Partnership Directors: Donald C. Slack & Mauricio Carrillo Garcia*

Improve university training in biosystems engineering, agricultural machine design, and use of reclaimed water for irrigation.

**University of Illinois, Urbana-Champaign / Universidad Autónoma de Querétaro (2003)**

*Partnership Directors: Elizabeth Jeffery & Guadalupe Flavia Loarca*

Provide graduate training and develop joint research projects in agriculture, food quality, nutrition, and health.

**University of Notre Dame / Universidad de Guadalajara (2004)**

*Partnership Directors: Juan Rivera & Adrián de León Arias*

Develop both the agricultural and business skills of rural small farmers to improve their production and profitability.

**University of Wisconsin–River Falls / Instituto Tecnológica Agropecuario (2005)**

*Partnership Directors: Gregg Hadley & Santiago Arroyo López*

Upgrade and enhance the agribusiness curriculum and initiate a collective producer-education program in the region.

**ENVIRONMENT/NATURAL RESOURCES/WATER MANAGEMENT**

**Colorado State University / Colegio de la Frontera Sur / PRONATURA (2005)**

*Partnership Directors: George N. Wallace & Jorge E. Macías Samano*

Provide master's degree-level training and research, strengthen the Colegio de la Frontera Sur's graduate program by developing a concentration in protected area management, and establish a center of excellence for protected area capacity building.

**Florida International University / University of California, Berkeley / Instituto de Geografía–Morelia / Universidad Autónoma de México / Centro de Investigación y Docencia Economicas (2003)**

*Partnership Directors: David Barton Bray & Alejandro Velásquez*

Conduct collaborative research on Mexican community forestry practices and expand opportunities for faculty exchanges.

**Illinois Institute of Technology / Instituto Tecnológico y Estudios Superiores de Monterrey (2005)**

*Partnership Directors: George Nassos & Miguel Angel Romero Ogawa*

Build a new cadre of engineers, entrepreneurs, and government officials with a solid understanding of the basic concepts of pollution prevention and efficient energy use.

**Indiana University / Universidad Nacional Autónoma de México (2003)**

*Partnership Directors: Catherine Tucker, Elinor Ostrom, & Leticia Merino Pérez*

Train Mexican scientists and technical advisers in conservation theory, methodology, community governance, and natural resource management.



**Michigan Technological University /  
Universidad de Sonora, Hermosillo (2003)**

*Partnership Directors: Alex Mayer & José Luis  
García Ruiz*

Train a new generation of binational, multi-disciplinary water resources experts for sustainable water resources decision making in Sonora, Mexico.

**Northern Arizona University / Universidad de  
Sonora (2003)**

*Partnership Directors: George Koch & Alejandro  
Castellanos*

Develop and strengthen human capacity for natural resource conservation and management of desert ecosystems in northern Mexico.

**Oregon State University / Universidad de  
Guadalajara / Universidad de Michoacana /  
Institute of Ecology / Universidad de Quintana  
Roo (2005)**

*Partnership Directors: Eric Hansen & J. Antonio  
Silva*

Build expertise and human capacity to enhance the ability of Mexican partner institutions to train both students and stakeholders in rural regions in forestry technology and management.

**Texas A&M University—Corpus Christi / Lamar  
University / Instituto Tecnológico de Saltillo  
/ Universidad Tecnológica de Coahuila /  
Universidad Tecnológica de Torreón (2003)**

*Partnership Directors: James Bonner, David Cocke,  
& José Parga Torres*

Provide research training and education programs that address water scarcity, dynamic growth, and inadequate water resource management.

**Texas A&M University—Kingsville / Instituto  
Tecnológico y de Estudios Superiores de  
Monterrey (2003)**

*Partnership Directors: J. Antonio Hinojosa & Juan  
Donald Vega*

Assist local farmers, ranchers and other stakeholders to improve irrigation and efficient water use in northern Mexico.



**University of Arizona / Centro de Investigación  
y de Estudios Avanzados / Universidad Nacional  
Autónoma de México / Universidad Autónoma  
de San Luis Potosí / Universidad Juárez del  
Estado de Durango / Universidad Autónoma de  
Coahuila at Torreon / Centro de Investigación  
Científica y de Educación Superior de Ensenada  
/ Instituto Tecnológico de Sonora / Universidad  
Autónoma Metropolitana / Universidad de  
Sonora / Universidad Autónoma de Guerrero  
(2004)**

*Partnership Directors: A. Jay Gandolfi & Mariano  
Cebrian*

Establish a U.S.–Mexico Binational Center for Environmental Sciences and Toxicology and train Mexican health professionals to take a leadership role in resolving the environmental deterioration of the U.S.–Mexican border and adjacent region.

**University of Arizona / Universidad Autónoma  
de Baja California—Mexicali / The Sonoran  
Institute (2005)**

*Partnership Directors: Thomas Maddock III & Jorge  
Ramirez Hernandez*

Contribute to watershed management and riparian restoration practices in the Lower Colorado River Basin with a primary focus on the Colorado Delta in Mexico.

**University of Arizona / Universidad Autónoma  
de Tamaulipas (2004)**

*Partnership Directors: Kevin Fitzsimmons &  
Abundio Gonzalez*

Provide new techniques to Mexican fish farmers so that they can improve products and expand output for both domestic and export sales.

**University of Connecticut / Universidad Autónoma de Baja California (2003)**

*Partnership Directors: Boris Bravo-Ureta & José Zertuche*

Improve education in marine sciences and coastal management at the postsecondary and K–12 levels through student and faculty training, exchanges, and joint research projects.

**University of New Mexico / Universidad de Quintana Roo (2003)**

*Partnership Directors: Claudia Isaac, David Henkel, & Francisco Rosado-May*

Build institutional capacity to provide academic and professional training in natural resources planning and management (NRPM) and develop a master's-level NRPM program.

**University of Vermont and State Agricultural College / Universidad Anáhuac de Xalapa (2005)**

*Partnership Directors: Robert Costanza & Dermot Mc Cluskey*

Increase Mexico's body of knowledge in integrated watershed management by enrolling Mexican students in MS programs in natural resources and business administration, developing a region-relevant case study, conducting a series of workshops, and establishing an Ecological Economic Center in Xalapa.

**University of Wisconsin–Madison / Universidad de Guadalajara Centro Universitario de la Costa Sur (2004)**

*Partnership Directors: Paul H. Zedler & Luis Manuel Martínez Rivera*

Strengthen the capacities of local municipal governments to preserve and restore a significant watershed in the Mexican states of Jalisco and Colima.

**University of Wisconsin–Stevens Point / Instituto Tecnológico y Estudios Superiores de Monterrey / Universidad Autónoma de Chapingo (2005)**

*Partnership Directors: Victor D. Phillips & Mario Manzano Camarillo*

Provide master's degree study and community training in environmental mitigation and environmental education for integrated watershed management in the Sierra Norte region.

**West Virginia University / Universidad Autónoma de Querétaro (2005)**

*Partnership Directors: Victor Muncino & Gilberto Herrera*

Increase the productivity and living standards of small-scale farmers in the states of Querétaro and Guanajuato through the development, implementation, and transfer of greenhouse technology.

**TECHNOLOGY**

**Southern Methodist University / Instituto Tecnológico y de Estudios Superiores de Monterrey (2004)**

*Partnership Directors: Hesham El-Rewini & Juan A. Nolasco Flores*

Reduce the current shortage of well-trained software engineers in Mexico through scholarships, faculty exchanges, and workshops.

**University of California, San Diego / Centro de Investigación y Docencia Económicas / Centro de Investigación Científica y de Educación Superior de Ensenada (2005)**

*Partnership Directors: Christopher Woodruff, Judith Mariscal Avilés, & Arturo Serrano Santoyo*

Build capacity and expertise in microfinance and telecommunications in rural Mexico through education and training.



## POPULATION, HEALTH, AND NUTRITION

### California State University, Fullerton / Universidad Autónoma de Tlaxcala (2005)

*Partnership Directors: Donald S. Castro & Magdalena Hernandez Ramirez*

Empower local Tlaxcalan communities to maintain healthy lifestyles to prevent obesity and obesity-related diseases such as diabetes, metabolic syndrome, high blood pressure, and cardiovascular disease.

### University of Arizona / El Colegio de Sonora (2004)

*Partnership Directors: Douglas Taren & Catalina A. Denman Champion*

Strengthen the public health infrastructure along the U.S.–Mexican border region of Arizona and Sonora by training Mexican public health professionals.

### University of California, Berkeley / Instituto Nacional de Enfermedades Respiratorias (2005)

*Partnership Directors: Paul Gertler & Stefano Bertozzi*

Develop a training program to address HIV/AIDS and tuberculosis prevention and care by strengthening Mexico's human capital, advancing binational academic collaboration, providing technical assistance, and broadening public-private partnerships.

### University of California, San Diego / San Diego State University / Universidad Autónoma de Baja California / El Colegio de la Frontera (2005)

*Partnership Directors: Steffanie Strathdee, Stephanie Brodine, Gudelia Rangel, & Adriana Vargas Ojeda*

Improve the binational response to HIV/AIDS prevention in northwestern Mexico and the surrounding regions by strengthening the capacity of Mexican public health practitioners, outreach workers, and policy makers.

### University of North Texas / Universidad Autónoma de Guadalajara (2005)

*Partnership Directors: Paul Leung & Jose Rojas*

Address the unique needs of persons with disabilities by training graduate-level professionals/care providers in rehabilitation, special education (students with disabilities), vocational training, and job development/placement.

### University of Scranton / Universidad Iberoamericana (2003)

*Partnership Directors: Thomas Collins & Antonio Tena Suck*

Develop a dual-degree master's program in professional counseling and improve access to culturally sensitive, quality mental health services for Mexicans.

### University of Texas at El Paso / Universidad Autónoma de Ciudad Juárez / Instituto Nacional de Enfermedades Respiratorias (2005)

*Partnership Directors: Rodrigo X. Armijos & Hugo S. Staines*

Through education, research, and community outreach, develop a sustainable partnership for the prevention, diagnosis, and control of tuberculosis and related infectious diseases.

### University of Texas Health Science Center San Antonio / Universidad Autónoma de Tamaulipas (2005)

*Partnership Directors: Tina Fields & Juan José González*

Establish a graduate program in Mexico with a comprehensive approach to prevention, diagnosis, and control of tuberculosis and strengthen Mexico's public health infrastructure.



## **PUBLIC POLICY/CIVIL SOCIETY/COMMUNITY DEVELOPMENT**

### **American University / Universidad Autónoma de Benito Juárez de Oaxaca (2005)**

*Partnership Directors: Todd A. Eisenstadt & Moises Jaime Bailon Corres*

Through a series of graduate-level training programs, provide a comprehensive approach to the training of indigenous lawyers in the tenets of the newly proposed criminal procedure code of Oaxaca.

### **Southwestern University School of Law / Texas Tech University School of Law / Instituto Tecnológico y de Estudios Superiores de Monterrey, Campus Monterrey (2005)**

*Partnership Directors: Jonathan Miller & Marlon Omar López Zapata*

Prepare a new generation of attorneys to practice law in settings involving oral advocacy and adversarial systems of justice and encourage skills-based legal education and comparative perspectives.

### **University of Chicago / Universidad Iberoamericana (2004)**

*Partnership Directors: Susan E. Mayer & Carmen Bueno Castellanos*

Establish a new public policy program at Universidad Iberoamericana and train Mexican public policy professionals to successfully address economic and social development issues in Mexico through internship, exchange, and faculty research.

### **University of Georgia / Universidad Veracruzana (2004)**

*Partnership Directors: Glenn C.W. Ames & Ricardo Corzo Ramirez*

Strengthen the competitiveness of Mexico's trade-led rural economy through capacity development in rural education outreach, agricultural product diversification, and niche marketing for both domestic and international markets.

### **University of Texas at Austin / Benemérita Universidad Autónoma de Puebla / Universidad de las Américas / El Colegio Mexiquense / Instituto Tecnológico de Estudios Superiores de Monterrey (2003)**

*Partnership Directors: Peter Frumkin & Rafael Hernández Oropeza*

Enhance civil societies in Mexico and the United States by building collaborative relationships between participating institutions and philanthropists in both countries.

## **TRADE AND CAPACITY DEVELOPMENT**

### **Duquesne University / Universidad Autónoma de Aguascalientes (2005)**

*Partnership Directors: Mary T. McKinney & Manuel Díaz Flores*

Expand trade and investment between the United States and Mexico by empowering students, faculty, small Mexican businesses, and entrepreneurs in the states of Aguascalientes and Jalisco to be more globally competitive.

### **Ohio State University / Centro de Investigación y Docencia Económicas, A.C. (2005)**

*Partnership Directors: Claudio González-Vega & Gustavo del Ángel Mobarak*

Create a virtual center for the analysis and support of micro- and rural finance markets in Mexico to strengthen the capacity of Mexican institutions to study these issues.

### **San Diego State University / Universidad Autónoma de Baja California (2003)**

*Partnership Directors: Paul Ganster & Guillermo Torres Moya*

Develop a joint master's degree program on transborder public administration and governance for the U.S.–Mexican border region and improve capacity for cross-border cooperation.

**Southern Oregon University / Universidad de Guanajuato (2003)**

*Partnership Directors: Meredith Ann Reynolds & Sergio Arias*

Develop and implement faculty and student exchange programs and create a joint master's degree program in management.

**Texas Christian University / Universidad de las Américas–Puebla (2003)**

*Partnership Directors: Charles Greer & Jorge Duran Encalada*

Develop professionals through a dual master's degree program in international business and marketing, which addresses cross-cultural business issues in North America.

**University of Georgia / Universidad Pedagógica Veracruzana / Benemérita Escuela Normal Veracruzana (2005)**

*Partnership Directors: Glenn C. W. Ames & Marco Wilfredo Salas Martinez*

Through master's degree training, internships, practical experiences, and faculty exchanges, strengthen teacher training programs by equipping Mexican faculty with new skills, pedagogical techniques, and curricula in math, science, and English as a Second Language.

**University of Texas at San Antonio / Universidad Autónoma de Guadalajara (2003)**

*Partnership Directors: Robert McKinley & José Morales González*

Train entrepreneurial development extension service personnel and develop small business development centers based upon the successful U.S. model.

**University of Texas at San Antonio / Universidad Veracruzana (2005)**

*Partnership Directors: Robert McKinley & Rosario Valencia Castillo*

Create a sustainable and cohesive national network of more than 100 Mexican Small Business Development Centers (SBDC) that will engage institutions of higher education and leverage federal government resources

to help small and micro entrepreneurs start businesses, create jobs, increase sales, and improve the overall competitiveness of the Mexican economy.

**University of Wisconsin–Madison / Instituto Tecnológico y de Estudios Superiores de Monterrey–Querétaro (2003)**

*Partnership Directors: Kenneth Shapiro & Andrés García*

Strengthen the dairy sector as an engine for development by enhancing the skills of Mexican dairy professionals and strengthening dairy trade links between the United States and Mexico.

**Western Illinois University / Universidad Autónoma de Querétaro / Université de Moncton (2003)**

*Partnership Directors: David Beveridge & Fernando Valencia*

Develop a trilateral MBA program and establish a central resource for collaborative business education and training in Mexico, the United States, and Canada.

**Western Illinois University / Universidad Autónoma de Querétaro / Universidad Tecnológica de la Selva (2005)**

*Partnership Directors: Winthrop B. Phippen & Hector Fernando Valencia Perez*

Provide direct assistance to small-scale, rural producers in Southern Mexico and offer master's degree training, faculty sabbaticals, joint faculty research, and exchanges by consortium experts.



## WORKFORCE AND ENTREPRENEURIAL DEVELOPMENT

### Alamo Community College District / Universidad Tecnológica de Coahuila (2004)

*Partnership Directors: Eduardo Conrado &  
Verónica Murillo*

Increase the productivity of the *maquiladora* (manufacturing) sector by providing training to engineers and production workers on advanced manufacturing technology systems and production procedures.

### Arizona State University / Instituto Tecnológico de Sonora (2004)

*Partnership Directors: David Pijawka & Linda  
Oviedo*

Address development issues of the desert Sonora region through education, research, and training in ecotourism, microenterprises, environmental protection, and alternative energy.

### Arizona State University / Instituto Tecnológico y de Estudios Superiores de Monterrey (2004)

*Partnership Directors: J. Rene Villalobos & Jorge  
Limon*

Through a dual master's degree program, prepare technical leaders for the aerospace industry in global logistics and productivity improvement.



# TIES: Contact Information

## U.S. Agency for International Development-Mexico

U.S. Embassy  
Paseo de la Reforma 305  
Colonia Cuauhtémoc  
06500, México, DF  
México

Tel: (52-55) 5080-2000  
Fax: (52-55) 5080-2574  
Web: [www.usaid.gov](http://www.usaid.gov)

## Higher Education for Development

1331 H Street NW, Suite 200  
Washington, DC 20005  
USA

Tel: (202) 243-7680  
Fax: (202) 637-2084  
Web: [www.hedprogram.org](http://www.hedprogram.org)

## Global Learning Portal

Information regarding the online TIES community is available on the Global Learning Portal, accessible at [www.glp.net](http://www.glp.net).

