



BTI Institute

Borders • Trade • Immigration

A Department of Homeland Security Center of Excellence



The Borders, Trade, and Immigration Institute, a Department of Homeland Security Center of Excellence, conducts and transitions **research**, develops innovative **solutions**, and provides **education** that enhances the Nation's ability to **secure** the borders, **facilitate** legitimate trade and travel, and **ensure** the integrity of the immigration system.



Through a multi-disciplinary team of national and international experts, the Institute delivers transformational **technology-driven** solutions, **data-informed** policies, **workforce development** opportunities for today's Homeland Security Enterprise, and **trans-disciplinary education** for the next generation of homeland security experts.



www.uh.edu/bti/



bti@uh.edu



[@bti_uh](https://twitter.com/bti_uh)



**Borders, Trade,
and Immigration**

National Impact

Leveraging technology to augment and enhance data sharing in E-commerce

In collaboration with Customs and Border Protection Office of Trade, BTI Institute researchers evaluated the impact of emerging technologies to enhance data sharing and conducted economic impact modeling using Monte Carlo methodology to optimize cross-border e-commerce.

Supporting Prosperity and Security in the Central America

In collaboration with Department of Homeland Security Office of Strategy, Policy and Plans, the BTI Institute initiated several projects to expand cooperation by addressing economic, security, and governance issues facing the Northern Triangle region in Central America. BTI Institute research outcomes in this area include: providing a comprehensive perspective through studying the strategic narratives; discovering the extent to which economic motivations determine migration; evaluating the legal framework of the region's surrounding nations; and determining to absorptive capacity of Southern Central American nations to alleviate significant Northern flow.

Economic Impact of Border Security Deployments

To assist U.S. Border Patrol in understanding the localized impacts of infrastructure and personnel deployments, Institute researchers have developed a tactical mapping tool that displays a comprehensive profile of the value and effectiveness of resource deployment.

Building a Regional Profile of the Origins of Honey

In partnership with the Laboratories and Scientific Services Directorate of Customs and Border Protection, a BTI Institute research team has developed new methods to assist in the identification of the true country-of-origin for commercial sources of honey by utilizing sophisticated analytical and molecular biological methods to confirm products match their label claims.

Expert Team

ADAC, University of Alaska
American University
ANSER Inc.
Baylor College of Medicine
CCICADA, Rutgers University
CREATE, University of Southern California
Cross-Border Institute
CT Strategies
Ernst & Young
IBM Federal
Lantern UAS, LLC
Lean Tail Labs
The MacroDyn Group
Middlebury Institute of International Studies at Monterey
Migration Policy Institute
MITRE
Monmouth College
MSC, Stevens Institute
START, University of Maryland
Naval Postgraduate School
Oak Ridge Institute for Science and Education

Oklahoma State University
Prairie View A&M University
Rutgers University
SAS
South East Texas Regional Planning Commission
South West Border Sheriff's Coalition
Texas A&M Engineering Experiment Station
Texas A&M International University
Texas A&M Transportation Institute
U.S. Coast Guard Academy
U.S. Military Academy at West Point
Universidad Nacional Autónoma de México
University of Arizona
University of Houston
University of Minnesota
University of North Carolina
University of Texas at El Paso
University of the Incarnate Word
University of Virginia
Voir Dire International, LLC
West Virginia University