

# Homeland Security Institute



## OVERVIEW



# Outline

- Charter
- What Makes Us Different
- Our People
- Our Value Added Capabilities
- Outside Partners
- Going Forward

# Charter



The Homeland Security Institute (HSI) is a Congressionally chartered Federally Funded Research and Development Center (FFRDC).<sup>[1]</sup> We are dedicated solely to supporting the Department of Homeland Security (DHS) and the homeland security mission.

<sup>[1]</sup> Homeland Security Act of 2002, Sec. 312, 6 USC. 192 (2002). Sec. 312 (g) was amended by Homeland Security Appropriation Act of 2005, Title V, General Provisions, SEC. 520.

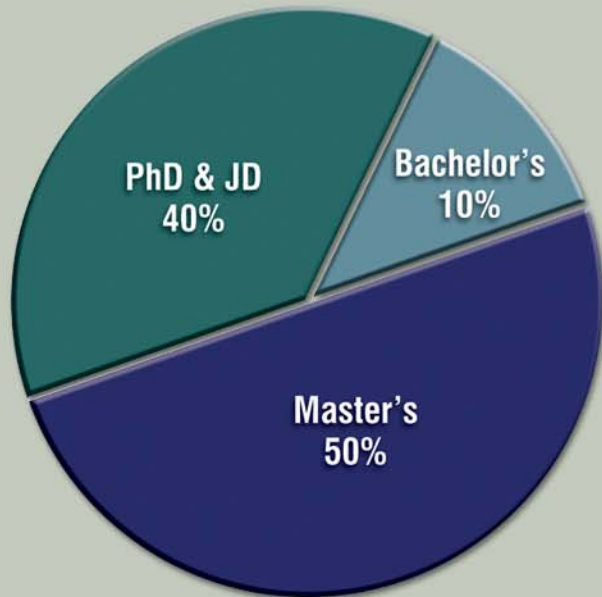


# What Makes Us Different

- **Not-for-Profit - Dedicated Exclusively to Homeland Security**
- **Objective, Independent, and Trusted Agent**
- **Long-term Strategic Partner**
- **Rigorous Research to address the most complex problems**
- **Practical and Useful Results**
- **Actionable Recommendations**



# Our People



Staff Degrees

- Maintain a pool of seasoned analysts focused solely on homeland security
- Full range of academic disciplines
- Professional experience includes: for profit business, planning and programming, emergency management, technology assessments, intelligence, law enforcement, military operations, the Coast Guard, and public health

# Our Value Added Capabilities



- Risk Analysis
- Operations Analysis
- Threat Analysis
- Systems Analysis
- Information Sharing Analysis
- Policy and Planning Analysis
- Program Analysis
- Science and Technology Assessments
- Training, Education, and Professional Development

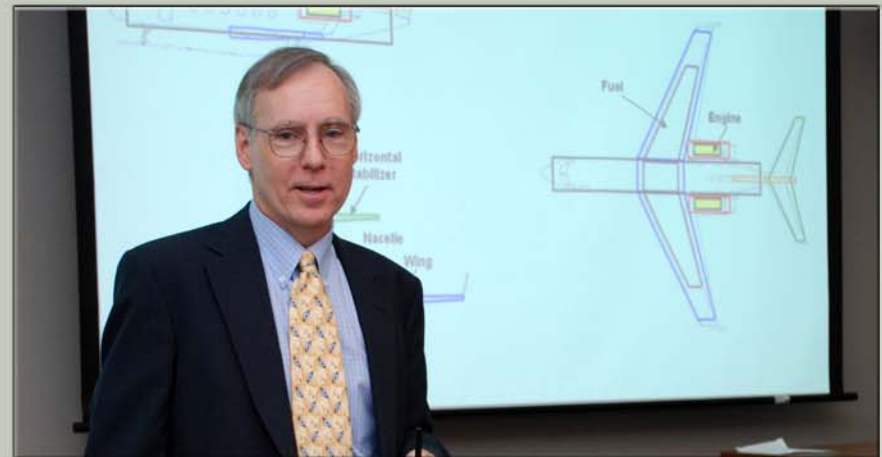
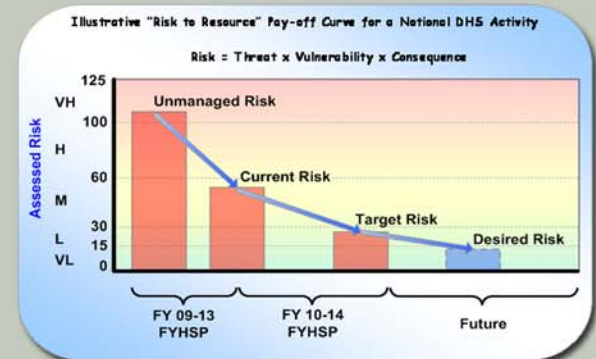
# Risk Analysis

## Our Expertise:

- Security Studies
- Decision Sciences / Mathematics
- Economics
- Strategic Planning and Mission Analysis
- Program Assessment
- Public Administration
- Organizational Behavior Modeling and Analysis
- Behavioral Sciences

**Project:** Risk Assessment Process for Informed Decision Making FY 2010-2014

**Client:** All DHS Components



**Project:** General Aviation Risk Assessment

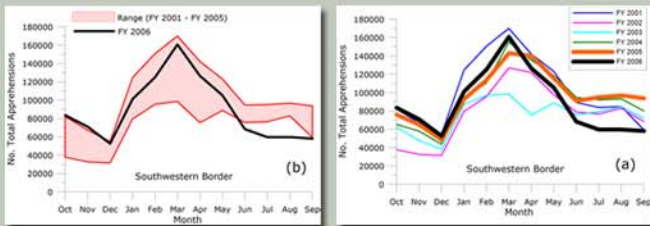
**Client:** TSA

# Operations Analysis



## Our Expertise:

- Operations Analysis / Operations Research
- Modeling and Simulation
- Systems Engineering
- Management Sciences
- Relevant Operational Experience (e.g., with CBP, FEMA, USCG, USSS, ICE, FAA, DEA, DoD...)



**Project:** Customs and Border Protection  
Operational Assessment

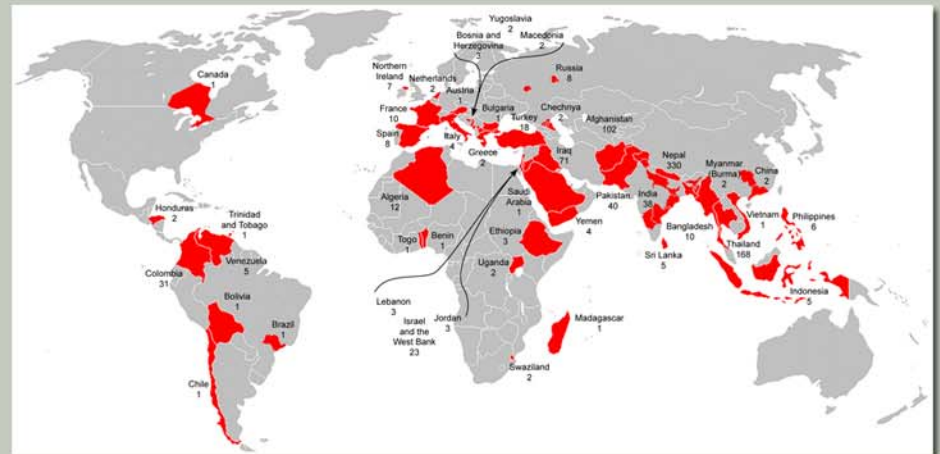
**Client:** Customs and Border Protection (CBP)



# Threat Analysis

## Our Expertise:

- Organizational Behavior Modeling and Analysis
- Behavioral Sciences
- Intelligence
- Criminal Justice
- Security Studies
- Decision Sciences
- Program Evaluation
- Terrorism / Counterterrorism



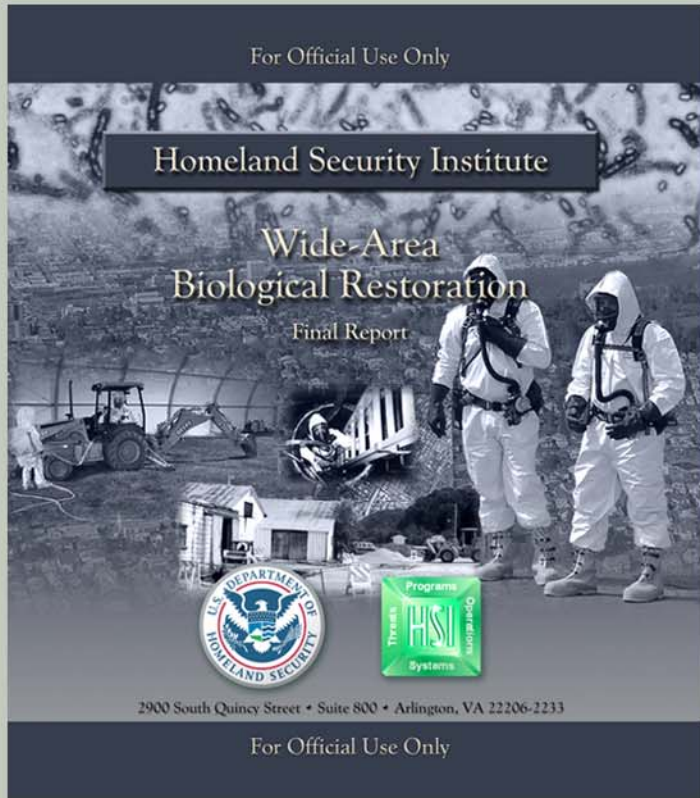
**Project:** International Terrorist Incidents Involving Education Targets

**Client:** Dept. of Education

# Systems Analysis

## Our Expertise:

- Systems Engineering
- Modeling and Simulation
- Mathematics/Operations Research
- Management Sciences
- Cost Analysis
- Acquisition
- Logistics
- Requirements Development and Management



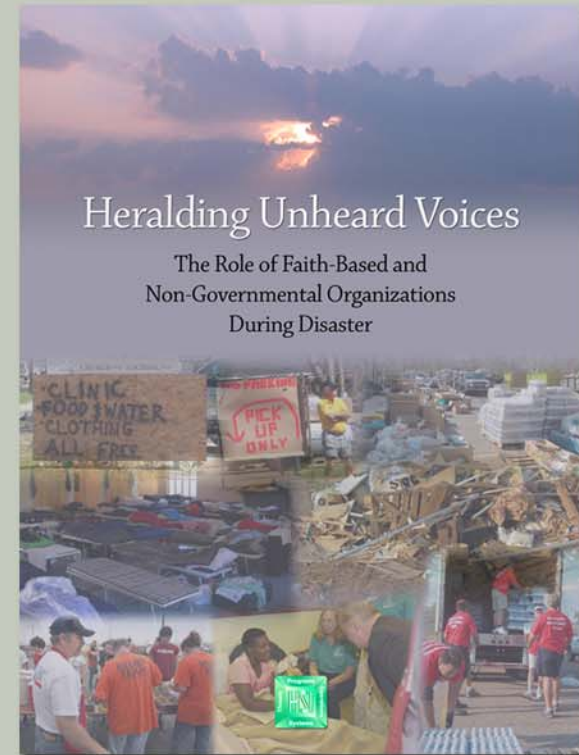
**Project:** Wide-Area Biological Restoration Report

**Client:** DHS S&T

# Information Sharing Analysis

## Our Expertise:

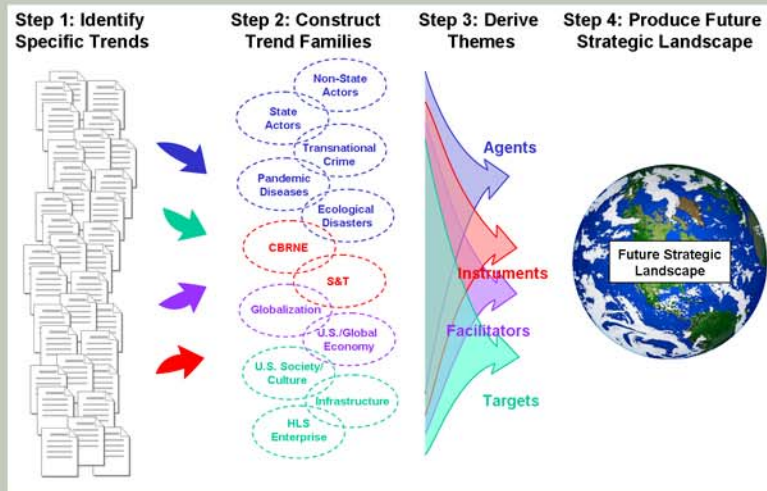
- Intelligence
- Criminal Justice
- Terrorism/  
Counterterrorism
- Information Sharing  
Strategy Development  
and Management
- Relevant Operational  
Experience (e.g., with CIA,  
ICE, CBP, USCG, USSS,  
DoD...)



**Project:** Heralding Unheard Voices:  
The Role of Faith-Based Organizations and  
Non-Governmental Organizations During  
Disasters

**Client:** DHS S&T / Private Sector

# Policy and Planning Analysis



**Project:** Future Strategic Landscape: Homeland Security Planning Environment 2012-2015

**Client:** All DHS Components

## Our Expertise:

- Public Policy
- Public Administration
- Planning
- Organizational Theory, Development, Management, and Governance
- Management Sciences
- Financial Planning and Management
- Logistics Planning

# Program Analysis

## Our Expertise:

- Public Administration
- Management Sciences
- Financial Management
- Economics
- Acquisition / Program Management Certification
- Logistics Planning
- Business Administration



**Project:** Independent Cost Assessment of the Nationwide Automatic Identification System

**Client:** USCG

# Science and Technology Assessments



**Project:** DHS Chemical Countermeasures  
Program Planning Area—Strategic Review

**Project:** Biodefense Net Assessment

**Client:** Interagency Review Panels / DHS S&T

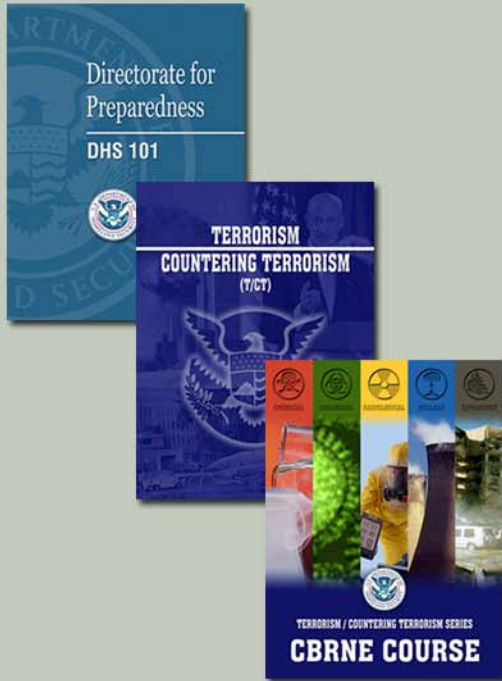
## Our Expertise:

- Science and Technology Program Management
- Chemical and Biological Defense
- Microbiology
- Molecular Biology, Biochemistry, and Genetics
- Chemistry
- Physics
- Environmental Engineering
- Detector Development

# Training, Education, and Professional Development

## Our Expertise:

- Education and Training
- Exercises and Simulations
- Curriculum Development
- Doctrine Development
- TEPD Program Assessment
- Subject Matter Expertise in Homeland Security Fields



**Project:** Training Management and Professional Development Study

**Client:** DHS Preparedness

# Partners

- Lots of Progress
- Internal Stakeholders:
  - DHS – now supporting 18 components / staff functions
  - Other Federal Agencies – DoEd, DoD, ODNI
- External Support (to the work):
  - Outside SMEs
  - Corporate Reachback
  - Other FFRDCs
  - COEs





# Going Forward

## Uniquely positioned to:

- Help address the most difficult issues
- Help the nation invest limited resources wisely
- Help transition DHS to a new Administration



# Conclusion

- The Homeland Security Institute is a good news story
  - Positioned as an integrator with potential to help foster collaboration and cohesion among the disparate elements of government and beyond.
  - Demonstrated potential to make an ever-increasing, enduring contribution in the Homeland Security mission space.
  - Represents the development of a National asset that will continue to expand its influence going forward.

