

Welcome to the
2007

DHS University Network Summit



**Homeland
Security**

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Office of University Programs
DHS Science and Technology Directorate

Summit Objectives

- Describe the Office of University Programs initiatives
- Highlight the research and educational activities of the COES
- Demonstrate linkages to the S&T Divisions and describe remaining gaps
- Describe new opportunities for other researchers
- Describe new opportunities for students.



What is the Office of University Programs?

1. The DHS University Centers of Excellence and the Network that links the Centers
2. The DHS Scholars and Fellows Program
 - Individual Scholarships and Fellowships to students in HS-STEM programs
 - Grants to Colleges and Universities with HS-STEM programs to support students
3. The DHS S&T Minority Serving Institutions Program
 - Supporting Students at MSIs
 - Building Capacity in HS-STEM fields at MSIs



Why are there Centers of Excellence?

Homeland Security Act of 2002

(as amended)

“The Secretary, acting through the Under Secretary for Science and Technology, shall designate a university-based center or several university-based centers for homeland security. The purpose of the center or these centers shall be to establish a coordinated, university-based system to enhance the Nation's homeland security.”



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What are the Centers of Excellence?

The COEs are

- “A coordinated, university-based system to enhance the Nation's homeland security” – 2002 Homeland Security Act
- Multi-disciplinary, multi-institutional consortia focusing on high priority homeland security issues
- An integrated network of educators and researchers working together to take advantage of each others' strengths
- An enduring resource that gives DHS access to the best intellects and facilities available in academia at any time.



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Who are the Centers of Excellence?

- ◆ **Center for Risk & Economic Analysis of Terrorism Events (CREATE)**

Based at the Univ. of Southern California



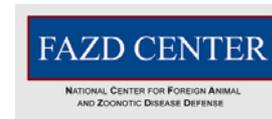
- ◆ **National Center for Food Protection & Defense (NCFPD)**

Based at the Univ. of Minnesota



- ◆ **National Center for Foreign Animal & Zoonotic Disease Defense (FAZD)**

Based at Texas A&M Univ.



- ◆ **National Consortium for the Study of Terrorism & Responses to Terrorism (START)**

Based at the Univ. of Maryland



- ◆ **National Center for Preparedness & Catastrophic Event Response (PACER)**

Based at Johns Hopkins Univ.



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Who are the Centers of Excellence? (cont.)

- ◆ **Center for Advancing Microbial Risk Assessment (CAMRA)**

Based at Michigan State Univ., in Partnership with U.S. EPA



- ◆ **Univ. Affiliate Centers to the Institute for Discrete Sciences (IDS-UACs)**

In Partnership with Lawrence Livermore National Laboratory:

Rutgers Univ. (Lead Center), Univ. of Southern California,
Univ. of Illinois at Urbana-Champaign, Univ. of Pittsburgh

- ◆ **Regional Visualization & Analytics Centers (RVACs)**

In Partnership with National VAC at Pacific Northwest National Laboratory:

Penn State Univ., Purdue Univ., Stanford Univ.,
Univ. of North Carolina at Charlotte, Univ. of Washington

University Network Partners

- ◆ **Southeast Regional Research Initiative (SERRI)**

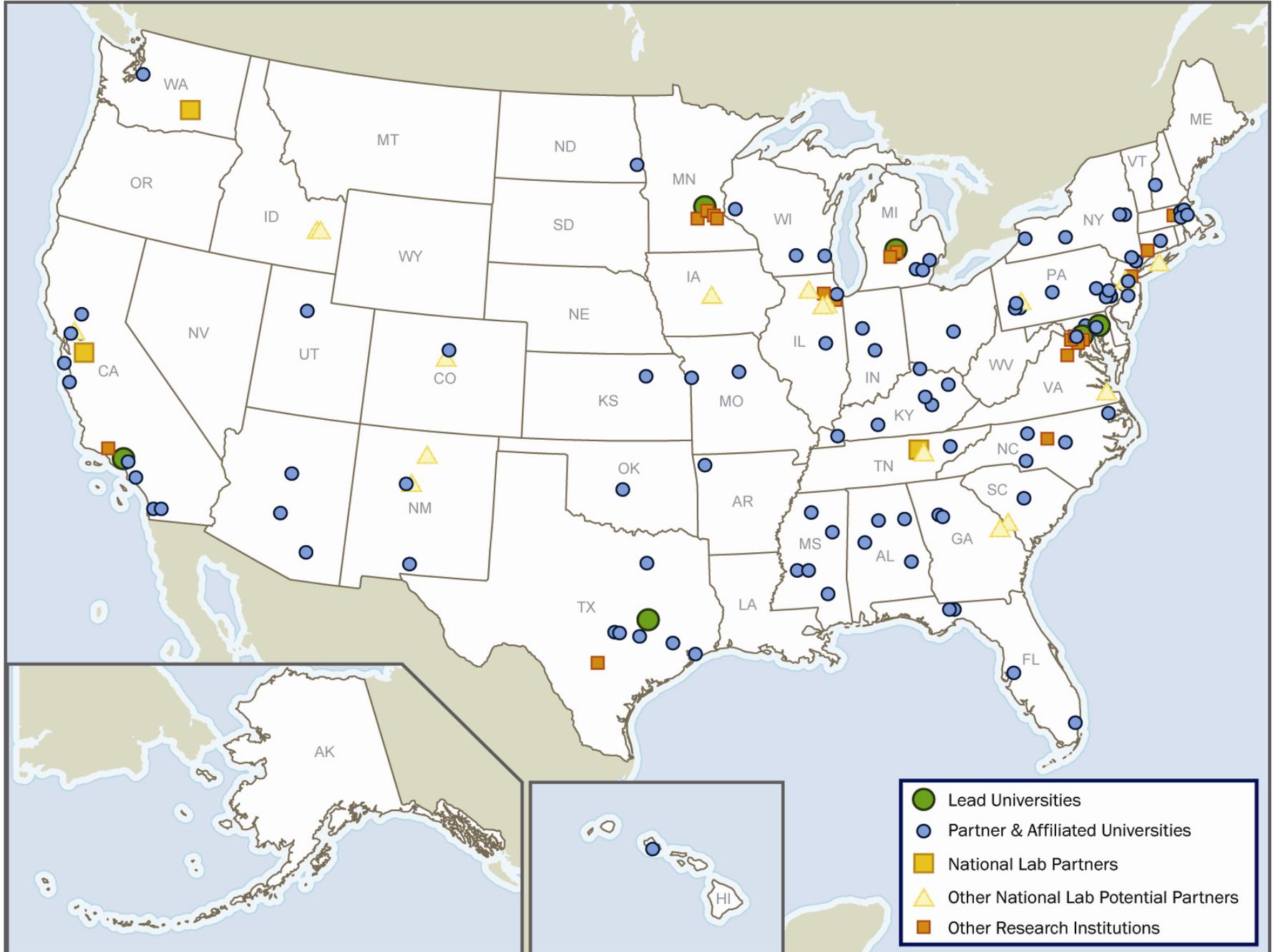
- ◆ **Kentucky Critical Infrastructure Protection Institute (KCI)**



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THE DHS UNIVERSITY NETWORK

November 2006



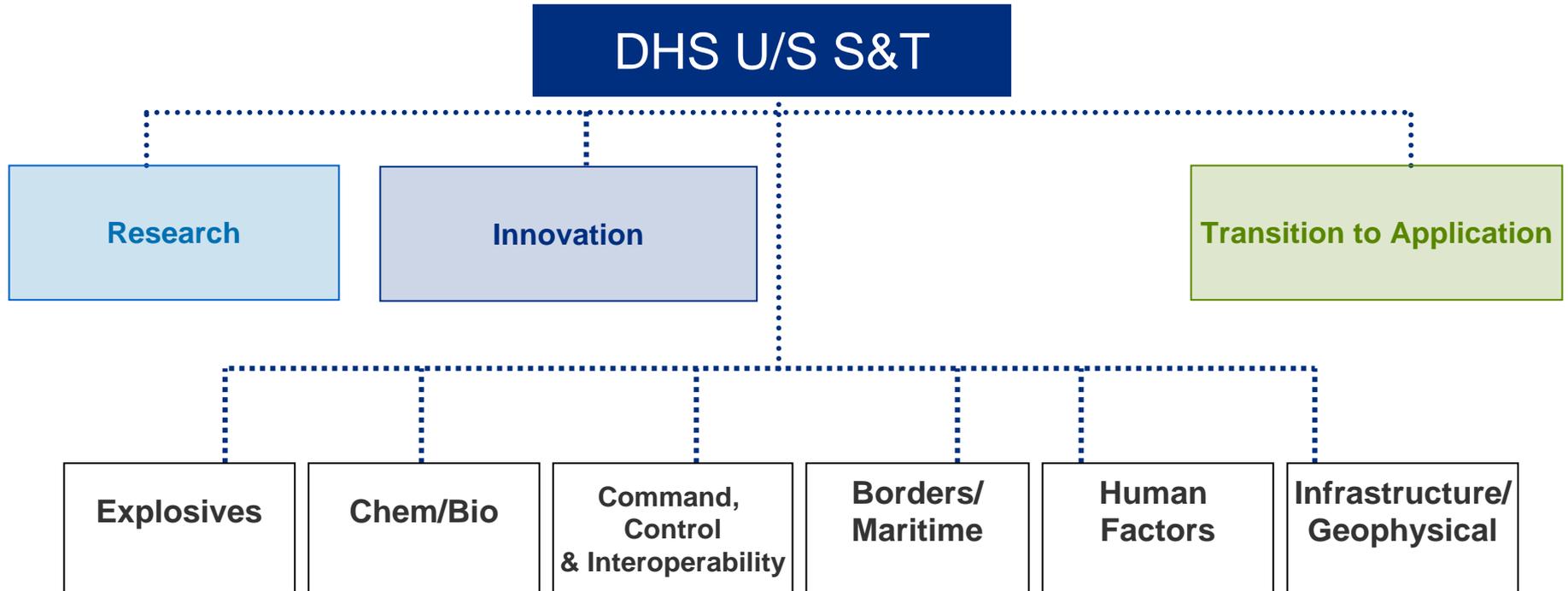
New Centers Beginning in FY 2007-08

All available information is at:

www.grants.gov

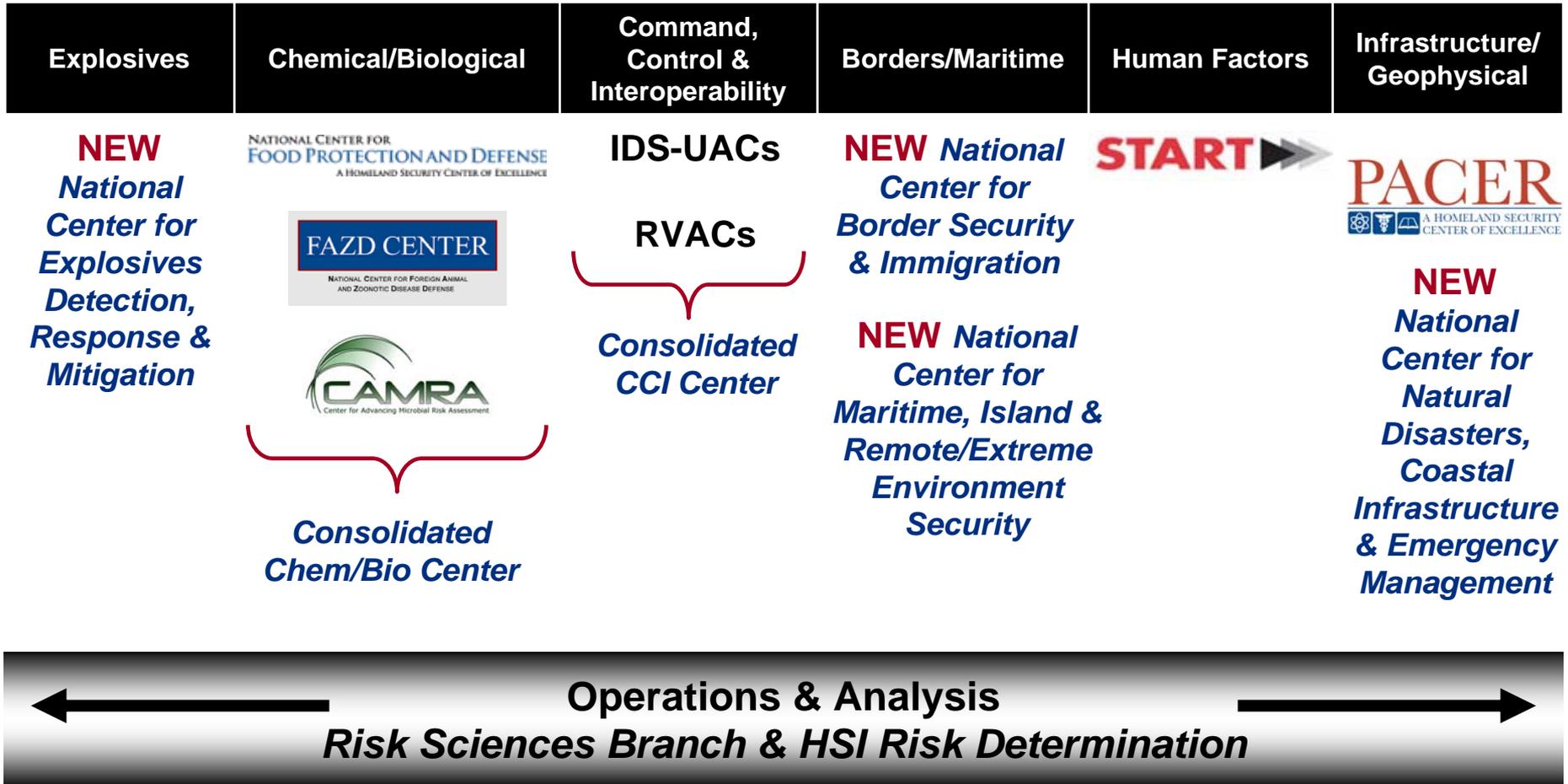
- **COE for Explosives Detection, Mitigation and Response**
- **COE for Border Security and Immigration**
 - * Northern Forest Borders
 - * Southwest Desert Borders
- **COE for Maritime, Island & Remote/Extreme Environment Security**
- **COE for Natural Disasters, Coastal Infrastructure and Emergency Management**

S&T Divisions/Enduring Disciplines



Future COE Alignment

S&T DIVISIONS



Scholars and Fellows Program

Mission

- Training the next generation of homeland security scientists and engineers.

Approaches

- Support students to become HS Scientists and Professionals
- Support HS-STEM Curriculum Development

Programs

- Individual Scholarships and Fellowships
- Educational grants to colleges and universities



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Minority Serving Institutions Program

- Homeland Security S&T intends to reflect the face of America

Four thrusts:

1. Take advantage of existing capacity at MSIs
2. Support capacity building at willing MSIs
3. Provide Scholarships and Fellowships to MSIs for homeland security students
4. Provide career paths to MSI students.

Other Opportunities for Researchers

- New COEs
- Existing COEs
- Competitions for Cooperative Agreements
- Other funding opportunities
- University Innovation Conference (S&T Division alignment - Aug 13 Monterey, CA)





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