



The New Political View Of Academic Research

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November 11, 2002
NASULGC Annual Meeting



Academic Research Post 9/11/01

Agenda:

- External Political View
 - Government steps that impact academic research
- Internal Political View
 - University/research community response to government activities and policies
- What's Next?
- Issues for Consideration and Discussion

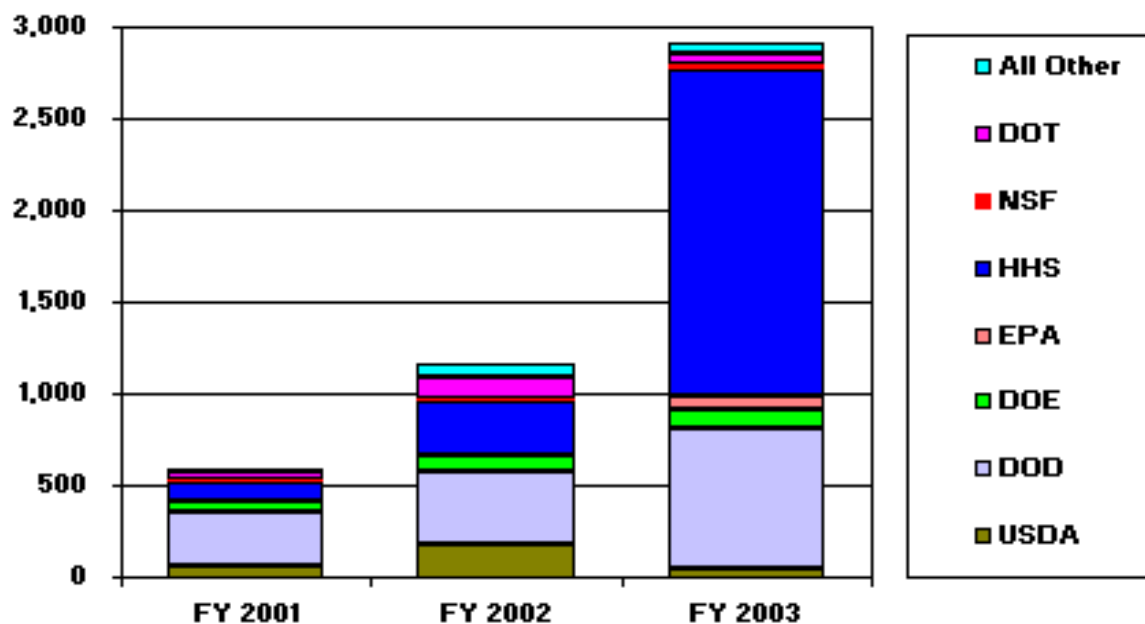


External Political View Since 9/11/01

- So Far Big Increases For University-based, Post 9/11 Related Research, Have Failed To Materialize

Federal Counter-Terrorism R&D, by Agency

(budget authority in millions of dollars, FY 2001 - 2003)



Source: Office of Management and Budget. FY 2002 figures include emergency response fund; FY 2003 figures represent President's request.
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External Political View Since 9/11/01

- Some Opportunities For University-based Funding Are Emerging And FY03 Offers More Engagement.
 - Ex.: sensors, detection and response technologies, transportation security;
- Longer Term, Academia Should Be More Involved In Solutions But The Partnership With The Government Needs To Be Nurtured.



External Political View Since 9/11/01

- Less Than Full Engagement Because:
 - Government has been focused on short term needs for recovery and response and short-term ramp ups in people and equipment.
 - Neither government nor academia structured for multidisciplinary research needs.
 - View that academia may be part of the problem?



External Political View – Legislation/Directives

Prior to 9/11:

- **Illegal Immigration Reform and Responsibility Act of 1996**, P.L. 104-208 –Created the Student Exchange Visitor Information System (SEVIS);
- **State Dept. Technology Alert List/State Sponsors of Terrorism List**
 - *Post 9/11: Expanded to include provisions for all male applicants 16-45 years old to go through additional background checks;*
- **Antiterrorism and Effective Death Penalty Act of 1996**, P.L. 104-132 – imposes restrictions on biological/hazardous materials;



External Political View – Legislation/Directives Cont'd

Post 9/11:

- **Homeland Security Presidential Directive-2** – included Interagency Panel for Advanced Science Security (I-PASS);
- **USA Patriot Act, P.L. 107-56** – added hazardous material restrictions and access to student data provisions;
- **Enhanced Border Security and Visa Entry Reform Act of 2001, P.L. 107-173** – added the International Student Exchange Authentication System (ISEAS)
- **Public Health Security and Bioterrorism Response Act of 2002, P.L. 107-188** – provisions related to hazardous materials and access



External Political View Since 9/11/01

- Post 9/11 Has Created New Concerns About Who Is Conducting U.S. Sponsored Research On Our Campuses
- Universities Will Be Required To Have More Vigilance Over The Whole Realm Of Foreign Students/Faculty And Research Facilities And Programs



Foreign Students and Info Classification

- SEVIS
 - Tracks foreign students and visitors
 - Places larger monitoring burdens on universities
- State Department Technology Alert/Terrorism Sponsors List
 - Could cause delays; could be expanded
 - Technology list definitions not precise



Students/Info Access

Why Should The Academic Research Community Care?

- Foreign Students May Be Declining Anyway – New Rules Could Further Suppress Applications
- US Talent Not Enough To Fill Research Needs



Students/Info Access

- “Sensitive” But Not Classified Research And IPASS Issues
 - Final directives not issued
 - Could expand universe of countries and research affected
- Academies Are Concerned
 - October Statement by Academies Presidents



Students/Info Access

“A successful balance between these two needs – security and openness – demands clarity in the distinctions between classified and unclassified research. We believe it is essential that these distinctions not include poorly defined categories of “sensitive” but unclassified information that do not provide precise guidance on what information should be restricted from public access.”

October 18, 2002 Statement on *Science and Security in the Age of Terrorism*,
Signed by the Presidents of the three Academies



Summary – External Political View Since 9/11/01

- Academic Research Not Fully Engaged With The Federal Government
- Research Talent Pool May Be Affected By New Restrictions On Foreign Students and Visitors
- Cloudy Environment On Evolving Issues Pertaining To Research Classification And Information Access



Internal Political View Since 9/11/01

- Individual Campuses Are Prepping For New Money And Money Designated For "Homeland Defense/Security"

Positive Steps:

- National Academies Committee On Countering Terrorism Technologies
- NASULGC, AAU, ACE And Others Stepping Up
 - Issues: Foreign student issues; S&T function in Homeland Defense; need for DoD to protect basic and applied research from undue classification; collectively offering resources for problem-solving etc.



Internal Political View Since 9/11/01

- In Some Instances Universities Have Proactively Defined Where And When They Will Conduct Security Sensitive Research.
 - Example: MIT
 - Classified research should be done off-campus



Internal Political View Since 9/11/01

Summary:

- Community Trying To Partner With The Federal Government With Mixed Results
- Full Impact Of Foreign Student Tracking And Information Access Issues Not Known At This Time.



What's Next?

- Implementation Of SEVIS 1/30/03
- Congressional Action On Homeland Defense/Appropriations
 - Election effect – the Republicans are in charge of the agenda



Issues for Consideration

- Have New Constraints Significantly Altered Campus Research Or The Entry Of Students Into Our Universities?
- Is This An Opportunity To Push For U.S. Born Graduate Student Incentives?



Issues for Consideration

“Foreign Students May Learn Deadly Skills on U.S. Campuses”

From a recent Atlanta Journal Constitution article

- Is Part Of Academia's Role To Help The Public Better Understand These Issues?



Issues for Consideration

- Do We Remake Ourselves To Attract New Funds Related To Politically “Hot” National Security Issues?
- Do We Work As A Community To Offer The Country The Abilities And Expertise Of The Academic Community As Problem Solvers Or Is This Mostly An Individual Institution Effort?



External Political Landscape Since 9/11/01

- “We have our work cut out for us...government science agencies tend to be stovepiped. Interdisciplinary work is hard to peer review...The university structure is also poorly adapted to a systems context and multidisciplinary work.”

Lewis Branscomb: “Changing Relationship Between Science and Government”,
AAAS, 2002



External Political Landscape Since 9/11/01

Are We Prepared For Public And
Government Reactions To Additional
Threat Situations?