

NSF Regional Grants Conference Challenges, Opportunities & New Directions

October 20-21, 2008

Hosted by: The University of Nebraska Lincoln Omaha, NE

Ask Early, Ask Often!

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Coverage

- Challenges and Opportunities Along The Road Ahead
 - -Tom Cooley
- Electronic Initiatives
 - Andrea Norris



Challenges & Opportunities Along the Road Ahead

- Backdrop The overall "environment" includes:
 - The political landscape: a time of change ahead
 - Constrained budgets; sensitivity to earmarking
 - "War time" environment and costs ~ 10 Billion/month
 - Deficit reduction & weak dollar
 - Economic downturn; mortgage and banking crisis; energy costs; rising unemployment and deficit
 - Trade deficit
 - "Stimulus Package"; "Buy-out Package"



Challenges & Opportunities Along the Road Ahead

- There is "some" good news for R&D
- The America COMPETES Act and the American Competitiveness Initiative



America COMPETES Act

- Signed into law on August 9, 2007
- Shares goals of the American Competitiveness Initiative (ACI)
- Focuses on three primary areas of importance:
 - Increasing research investment;
 - Strengthening educational opportunities in science, technology, engineering, and mathematics from elementary through graduate school;





America COMPETES Act (Cont'd)

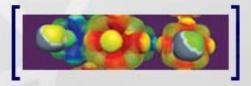
• Highlights

- Doubles NSF Funding from \$5.6 billion in FY2006 to \$11.2 billion in FY 2011
- Authorizes the National Institute of Standards and Technology (NIST) from approximately \$703 million in FY 2008 to approximately \$937 million in FY 2011
- Doubles Department of Energy's Office of Science funding over ten years
- Innovation Acceleration Research Program directs federal agencies funding research in science and technology to set as a goal dedicating approximately 8% of their R&D budgets toward high-risk frontier research



- Directs NASA to increase funding for basic research





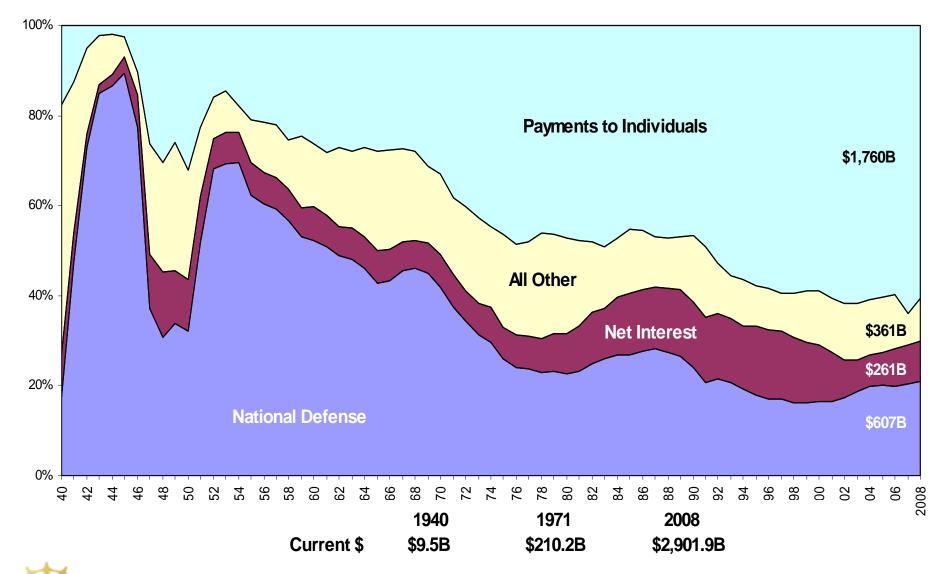
Congress and the Budget: The Future is Clouded

NSF's Key Players

- New President new administration
- New Congress major shift of leadership and likely further changes for 2009
- House and Senate Budget Committees
- Authorization Committees



Percentage Composition of Federal Government Outlays

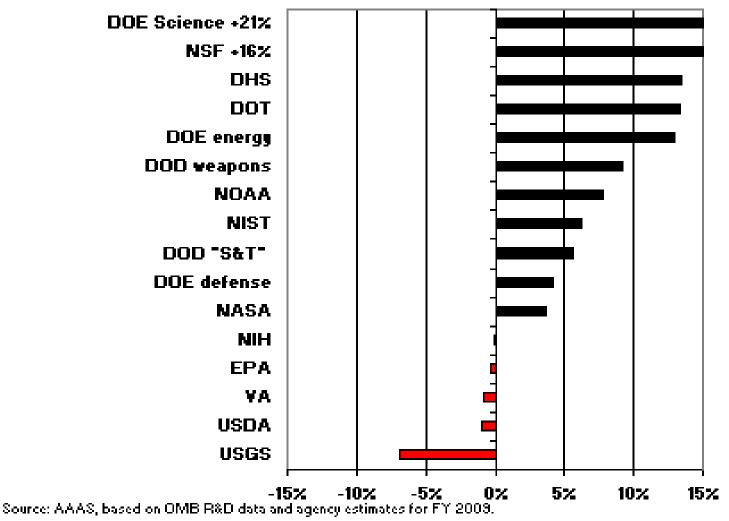




R&D Budget

Budget Authority (Dollar amounts in millions)	2009 Proposed	Percent Change
Defense	80,494	0%
Health and Human Services	29,480	0%
NASA	10,737	3%
Energy	10,558	8%
National Science Foundation	5,201	16%
Agriculture/USDA	1,952	-15%
Veterans Affairs	884	-8%
Commerce	1,157	4%
Homeland Security	3,287	188%
Transportation	901	9%
Interior	617	-9%
Environmental Protection Agency	550	-1%
Other	1,145	0%
TOTAL	146,963	3%

FY 2009 R&D Request (without earmarks; preliminary) Percent Change from FY 2008 excluding '08 earmarks



DOD "S&T" = DOD R&D in "6.1" through "6.3" categories plus medical research. DOD weapons = DOD R&D in "6.4" and higher categories. R&D earmarks as tabulated by AAAS from

final 2008 appropriations in December 2007 analyses. FEB. '08 PRELIMINARY © 2008' AAAS



So, where's the \$\$ going to show up?

• Basic Research (\$29.2 B out of \$145.4 B):

+12.8%

- DOD: +4.0 %
- NIH: +0.1 %
- NASA: -9.1 %
- DOE/Sci. +16.7 %
- NSF +17.4 %
- USDA: -6.8 %
- Commerce: +83.3 %
- Interior: -7.0 %
- National Science Foundation

– DHS:

- NSF Where's the \$\$ and how do I get some?
 - Starting FY 2009 at FY 2008 levels (i.e., ~ \$6 billion)
 - Fifty percent on the table; fifty percent off the table
 - Any additional money from appropriations likely not available until May 2009
 - Talk to your program manager



	"Regular Program"	"NSF Initiative" (solicited proposals)
Budget	\$20 million	\$200 million



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No. of Proposals/Yr	100	1000



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Budget	\$20 million	\$200 million
Available	\$10 million	\$100 million
No. of Proposals/Yr	100	1000
Success Rate	24%	7%



• I have an idea for a proposal and I can pitch it to the "regular program" or I can pitch it to the "NSF Initiative"

	"Regular Program"	"NSF Initiative" (solicited proposals)	Program % of NSF Initiative
Budget	\$20 million	\$200 million	\$2 million
Available	\$10 million	\$100 million	\$1 million
No. of Proposals/Yr	100	1000	50
Success Rate	24%	7%	4 %

• Be informed so you can make an informed choice

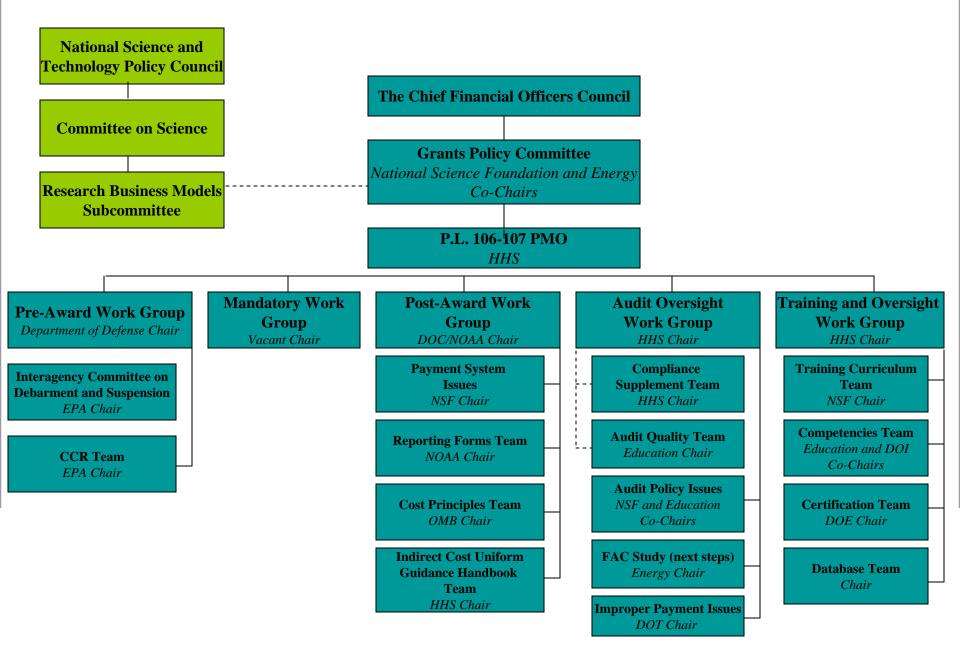


Along the Road Ahead

- There are some continuing "challenges" for our community:
 - Policies and procedures at Federal agencies "all over the map"
 - Compliance looming large
 - NSF: Difficult to balance award size, duration and success rates
 - Audits continue to frustrate, but efforts to address quality of single audits (A-133) underway
 - Time and effort audits
 - Cost sharing
 - Unfunded mandates



The Federal Grant Streamlining Program



e SRANTS POLICY

Grants Policy Committee

- Hot Topics:
 - 1Transparency Act Subaward Guidance
 - 2 GPC Implementation Plan
 - 3 GPC Stakeholder Survey on new website
- New GPC website: <u>www.GPC.gov</u>
- Next webcast: Tues. Oct. 28, 2008, 2pm at HUD Headquarters

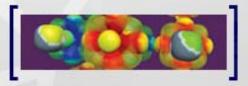


Federal Funding Accountability & Transparency Act (FFATA)

- FederalSpending.gov launched (Feb. 2007)
- Data elements defined
- Impact: Place of performance
- Next Step: Pilot grantee and sub-awardee data







Electronic Initiatives

What's the Latest On?

- Grants.gov
- Grants Management Line of Business (GMLoB)
- Research.gov



Grants.gov – Purpose & Goals

- A single source for finding grant opportunities
- A standardized manner of locating and learning more about funding opportunities
- A single, secure and reliable source for applying for Federal grants online
- A simplified grant application process with reduction of paperwork
- A unified interface for all agencies to announce their grant opportunities, and for all grant applicants to find and apply for those opportunities



NSF Grants.gov Implementation in 2009

- Unless otherwise specified, optional submission for the vast majority of NSF programs
- Will not be used until a Grants.gov solution has been developed for:
 - Separately submitted collaborative proposals
 - Fellowship programs that require submission of reference letters



GMLOB's Background, Vision, and Goals

Background

- High volume of grants money spread over many agencies/programs:
 - Over \$ 526 billion spent on grants in FY04
 - 26 primary grant-making agencies
 - Over 900 programs

<u>Vision</u>

• A government-wide solution supporting end-to-end grants management activities

<u>Goals</u>

- Improve customer service
- Reduce cost
- Increase standards and streamlining





The GMLOB landscape has been updated to include a new group called the Transitioning Agencies Group. These agencies have demonstrated through their GMLOB implementation plans and other legitimate forms of intent, their commitment to partnering with a Consortium Lead or forming a strategic partnership with other similar agencies.

		(GMLOB LANDSCAPE				
Grou ps	Consortium Leads Partnership Group	Strategic Partnership Group	Alternative Solutions Group	Transitioning Agencies Group	Agencies Yet To Align		
Group Descriptions	 Consortium partnership where agencies share best practices and collectively design a Consortium solution. Partner agencies migrate to Consortium solution. 	 Strategic partnership of agencies with similar size, mission, and processing volume. NEH provides efficient, cost-effective support to NARA and NEA. 	 Agencies granted temporary approval for continued use of an efficient, cost- effective alternative solution. COTS Sub-Group agencies work together to establish single voice with common vendor. 	 Agencies that have completed key milestones and directives and are entering into the planning stages of the partnering process. Agencies partner with a Consortium Lead or form a strategic partnership with other agencies. 	• Agencies directed to complete specific milestones, reporting requirements, and further explore CL partnership opportunities.		
ies	HHS/ACF Partner Agencies: CNCS, DOT, EPA, IMLS,	NEH	HHS/NIH	DOJ/OJP DOJ/OVW	DHS		
Jenc	State, Treasury, VA, SSA	NARA	COTS Sub-Group:	USDA	DOC		
Member Agencies	<i>ED Partner Agencies:</i> DOI, DOJ/COPS , DOL	NEA	DOE SBA USAID		HUD		
Mer	NSF Partner Agencies DOD, NASA						

Why NSF was Chosen as a Consortium Lead

- Focus on the research community
- Recognized for high standards by customers
- Leadership position in the grants community
- 12 years of experience and capabilities as shown by FastLane
- Unique operating model—menu of highvalue services for both Federal partners and the research community





NSF GMLoB Consortium Guiding Principles

- The approach will be deliberate, modular, conservative, and research community focused.
- Research community must directly benefit from this initiative.
- Whatever we do, we are going to do it well.

- Low cost, high impact offerings that deliver value to grantees will be implemented first.
- The initiative must focus on improvement; cost avoidance, not just cost savings.



What is Research.gov?

Research.gov is a...

- New initiative that enables institutions and grantees to:
 - access a menu of services
 - for multiple federal agencies
 - in one place
- Modernization of FastLane that provides a menu of services:
 - tailored to meeting the unique needs of the research community
 - aimed at easing the grants administrative burden
- Research-oriented solution for delivering services under the Grants Management Line of Business initiative.



NSF Grants Management Environment





End-to-End Proposal, Award and Financial Management Functions

Research.gov



"Find" Funding Opportunities and "Apply" for Grants



Vsers can log into FastLane & Research.gov using the <u>same</u> user name, NSF ID and password

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Led by the National Science Foundation (NSF). Research.dov is a partnership of federal research-

oriented grant making agencies with a shared vision of increasing customer service for the research community while streamlining and standardizing business processes amongst partner agencies, MORE

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Research Spending and Results

Policy Library

NSF and NASA award information available to be searched by the public in compliance with the Federal Funding Accountability and Transparency Act of 2006

An electronic library that consolidates Federal and agency-specific policies, guidelines and procedures for use by Federal agencies and the awardee community. Agency-specific documents are included only for Research.gov nartner agencies

Grants Application Status

COMING SOON, Principal Investigators and Sponsored Research Offices check the status of grant applications, from submission to decision, submitted to NSF and USDA/CSREES. Account Required.

Institution and User Management COMING SOON. Online tool for Administrators to grants user rights and privileges. Account Required.

Federal Financial Report COMING SOON. Online tool to complete and submit grant financial reports using the new government-wide standard form. Account Required

Events

October 9 - 9, 2008 NSF Day at the University of

Alabama in Huntsville Outreach

October 19 - 20, 2008 Center for Advanced Knowledge Abatement IAB Meeting

December 3 - 4, 2008

Partnership meeting

CHREC Annual Workshop (CAW08) Partnership meeting





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go!

Public Services

- **Research Spending** & Results
- **Policy Library**
- **Research News & Events**

Beta Services

- **Grants Application** Status
 - **Federal Financial** Report
 - Institution & User Management



Research.gov Partnerships

- Research.gov simplifies the research community's access to information and grant services for multiple federal agencies
 - National Science Foundation (Lead)
 - National Aeronautics and Space Administration (Partner)
 - Department of Defense Research (Partner)
 - USDA's Cooperative State Research, Education, and Extension Service (Partner)



Public Facing Services: Research Spending and Results

• Search for award information, including publication citations and award abstracts.

You can now search both NSF & NASA awards in Research.gov!

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Tho We Are Led by the National Science Foundation (NSF), Research.dov is a	Research Spending and Results Search		Research Spending and Results						
partnership of federal research- riented grant making agencies with a hared vision of increasing customer evice for the research community, thile streamlining and standardizing usiness processes amongst partner gencies. MORE	Quick Search by any of the following: Hint: The 'The Awardee or Award Information' text field searches for Awardee,	A maximul refine you <u>REFINE SE</u>			f not find the in	formation you ar	e looking for, ple		ont Size: <u>A A A</u> Printable Version
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rtnership Model rtner Agency List test News	Project Director/Principal Investigator: (also se	NASA	BAYLOR COLLEGE MEDICINE	HOUSTON, TX	NCC958	\$256,555,931	sutton, jeff	NATIONAL SPACE BIOMEDICAL RESEARCH INSTITUTE	03/26/1997
quently Asked Questions ply For Grants Grants.gov	Award Date Between: And Search Reset	NASA	KANSAS STATE UNIV	MANHATTAN, KS	NAG21274	\$995,660	CHAPES, STEPHEN K	DIFFERENTIATION OF BONE MARROW MACROPHAGES IN SPACE-PHASE A	12/28/1998
SF FastLan <u>e</u> dback ell Us What You Think	Research.gov displays awards active in FY2007 and beyond with total obligations	NSF	UNIVERSITY OF WASHINGTON	SEATTLE, WA	<u>9911036</u>	\$2,461,523	Erksen, Charles C	Collaborative Research: Incorporation of Sensors into Autonomous Giders for 4-D Measurement	08/27/1999

Public-facing Services: Policy Library

 Find Federal and agency-specific policies, guidelines and procedures.





Public-facing Services: Research News and Events

• View highlighted research activities for NSF, NASA, and USDA/CSREES.

Headlines

September 03, 2008



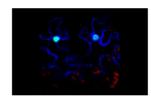
Multi-Core Chip Research to Lead to Performance Gains, Power Reduction for High- and Low-End Computing with \$6 Million Support from NSF, SRC September 02, 2008 - Leaders of the National Science Foundation (NSF) and Semiconductor Research Corporation (SRC), the world's leading university-research consortium for semiconductors and related technologies, today announced a major joint initiative... More

View All Headlines



Understanding the Science of Solar-Based Energy: More Researchers Are Better Than One

August 28, 2008 - With the assistance of a five-year \$20 million award from the National Science Foundation (NSF), the California Institute of Technology (Cattech) Chemical Bonding Center (CBC) project, called "Powering the Planet," More



Plant Genetic Transformation Mechanisms Emerge

August 04, 2008 - Scientists are unlocking the process of how bacteria transfer genetic material into the plant genome. This information may lead to crop plants with improved resistance to pests and disease. <u>More</u>

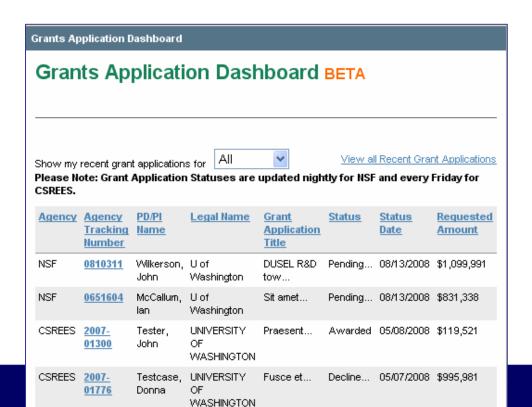


Beta Services: Grants Application Status

• As a researcher or sponsored program office, you can view the status of proposals submitted to NSF and USDA/CSREES

Coming soon! Check Application Status for Army Research Office





Beta Services: Federal Financial Report

• Complete and submit grant financial reports using the new government-wide standard form.

Financial Report Dashboard BETA				
	Federal Financial Repor	t		
Federal Financial Report (FFR) : 3 total FFRs Requires Your Action (0) Pending Agency Action (1) Approved (2)	Federal Fina	ncial Report	History BETA	
	3 FFRs found PAGE: 1 of 1			Adjust Font Size: <u>A</u> <u>A</u>
		Status	Required	FFR Type
	Quarter Ending	2.2.2.2.2.2.		
	Ouarter Ending 06/30/2008	Submitted	Required	FFR
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 - Researcher Profile Update Integrated online tool to allow Principal Investigators and Reviewers to update their profile in one easy place.
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