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Reimbursable research at NPS

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Reimbursable research at NPS

Jeff Paduan Dean of Research

for CRUSER Technical Continuum (TechCon) 2018 17-18 April 2018, 1300-1600 ME Auditorium



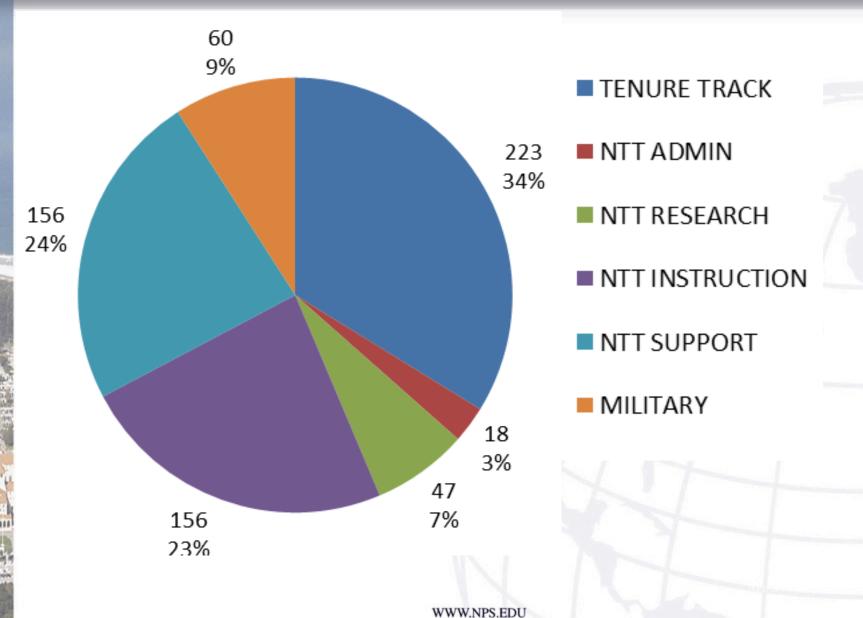
Why research-centric education?

It follows from the NPS mission:

"Provide relevant and unique advanced education and research programs to increase the effectiveness of Commissioned Officers of the Naval Service to enhance the security of the United States. In support of foregoing, and to sustain academic excellence, foster and encourage a program of relevant and meritorious research which both supports the needs of the (US) Navy and Department of Defense (DoD) while building the intellectual capital of Naval Postgraduate School Faculty."



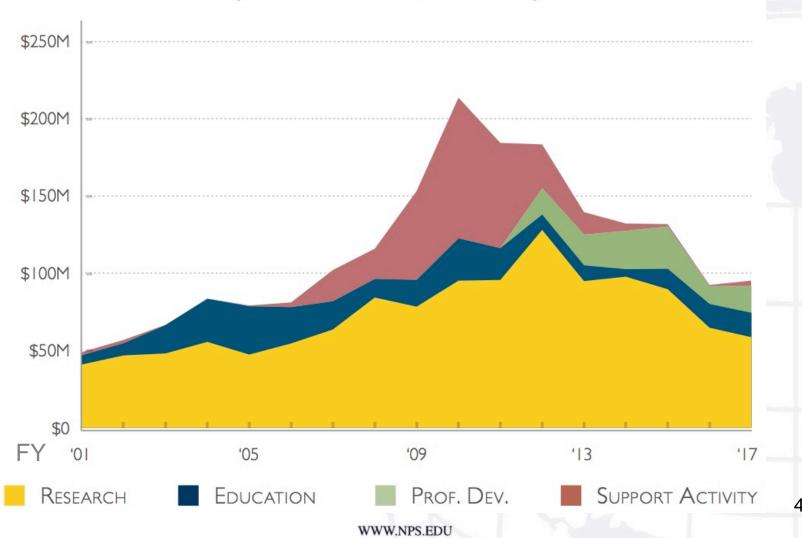
NPS Faculty in FY16 (660)





NPS Sponsored Programs

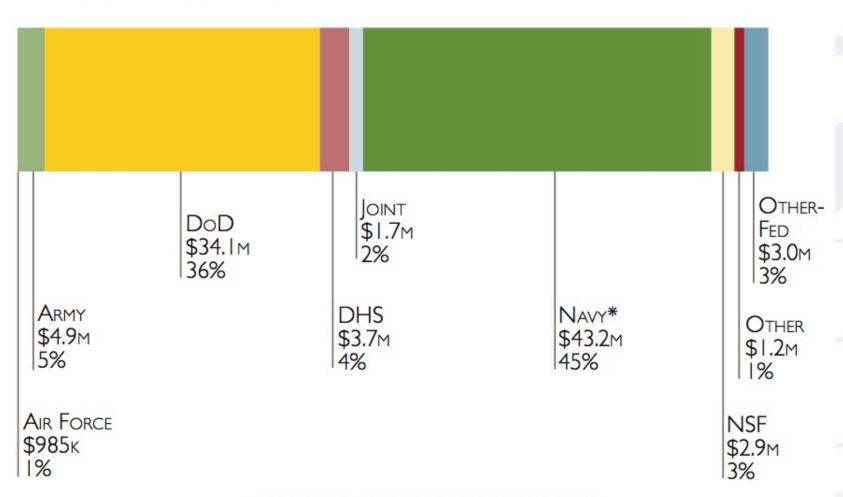
SPONSORED PROGRAM PROFILE FY 2001-2017 (FUNDS EXPENDED)





FY17 Funds Executed: \$95.5M

BY SPONSOR



* Navy funds include Naval Research Program (NRP) funding.

WWW.NPS.EDU

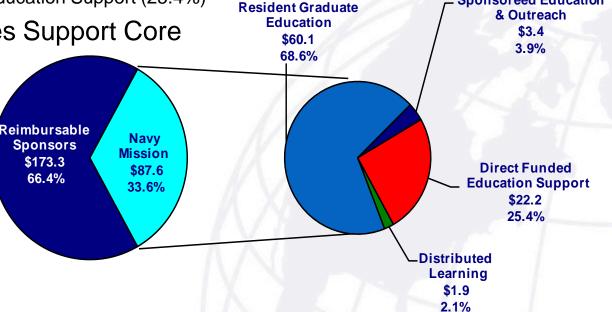


NPS FY15 Resources

Sponsoreed Education

- □ Core Budget Areas:
 - Delivering Graduate Education (70.7%)
 - Resident Graduate Education (68.6%)
 - Distributed Learning (2.1%)
 - □ Supported Education / Outreach (3.4%)
 - ☐ Direct-Funded Education Support (25.4%)

☐ Reimbursables Support Core



65%/35% Resourcing Mix (FY15) 59%/41% in FY16

NPS Funding



NPS depends on external (i.e., reimbursable) funding for 1/2 to 2/3 of its operating budget

Different groups consider this:

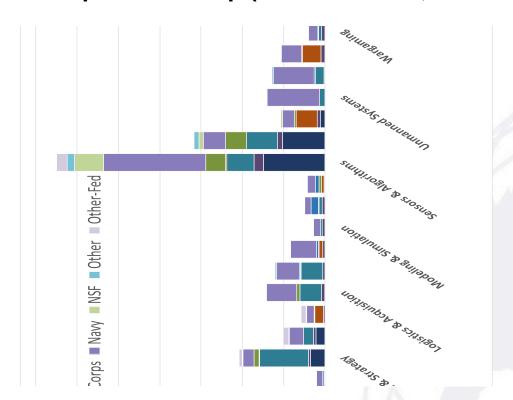
- Work for others
 - (on Navy FTE)
- Leverage

Reality is that there is no choice if program diversity and quality are to be maintained

65%/35% Resourcing Mix (FY15) 59%/41% in FY16

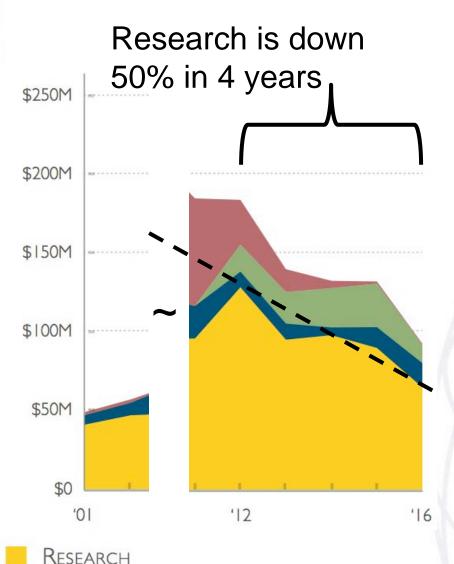


FY15 & 16 & 17 Executed RR \$ by Thrust Area and Sponsor Group (Totals: \$77.9M; \$57.2M; ~\$50M)





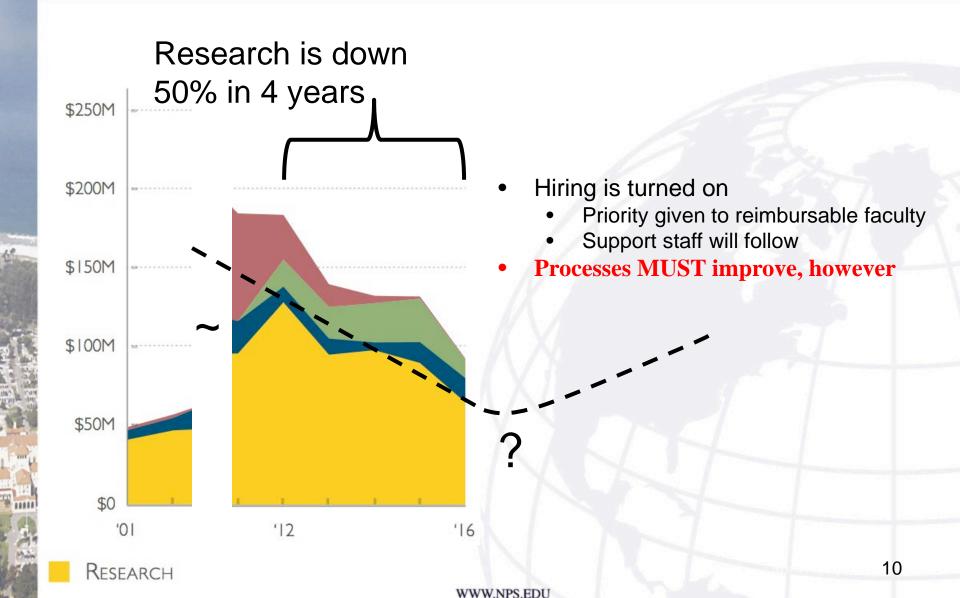
NPS Sponsored Programs



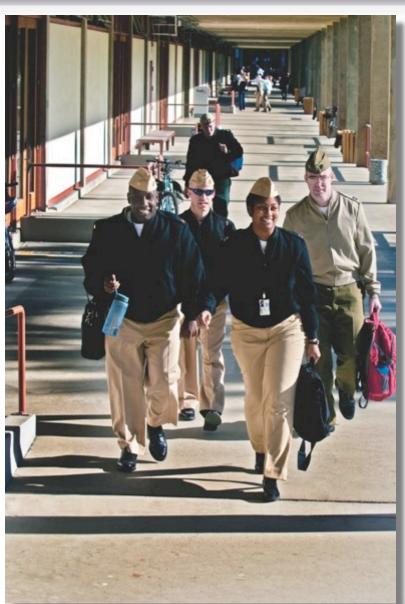
- 51% Contracting Rule
 - Strict interpretations of "in-house" has destroyed prog (e.g., post-docs)
 - Limited use of project orders
- Distracted/ineffective local services
 - E.g., contracting, travel, comptroller, HR
 - Hiring services are slow or nonexistent
- Prohibition on any institutional use for indirect funds
 - Micromanagement is leading to other mistakes in collection & allocation
 - Growing and wildly changing rates are damaging sponsor relationships
- Late arriving funds due to Congressional use of CRs
 - Exacerbates impact of eliminating "interim accounts"



NPS Sponsored Programs



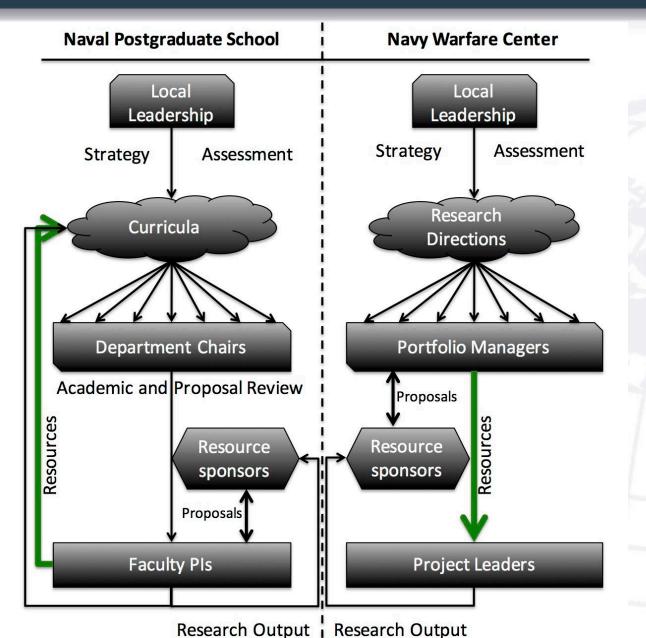




Questions?



Navy Research Models





NPS HISTORY

Graduate University

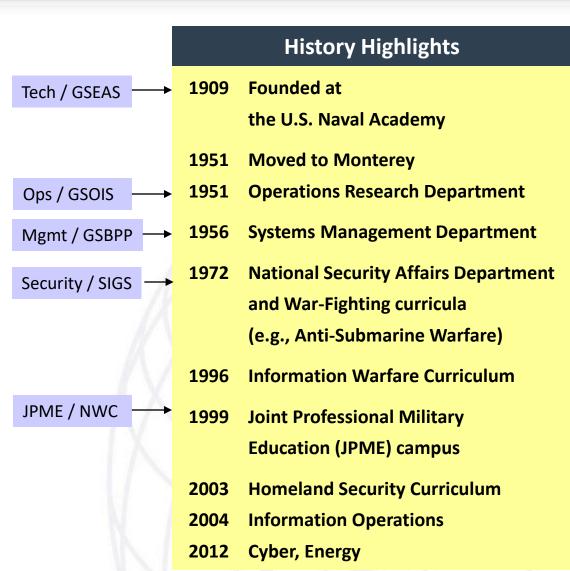
Responsive to joint, interagency, and coalition requirements

Research Institution

Pursuing innovative technology and improving national security

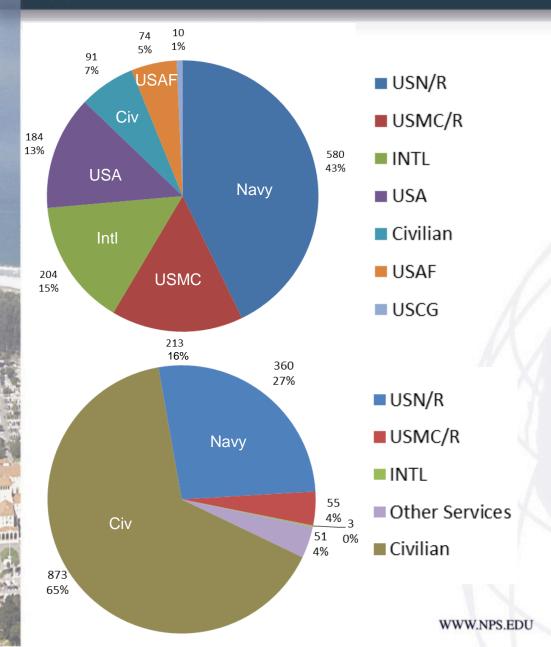
• Community of Alumni

Leading and defending the Nation and transforming the Department of Defense (DoD)





NPS FY16 Student Counts



Resident Students (1,355):

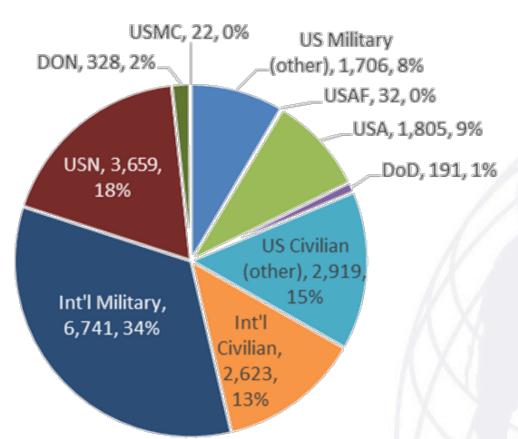
- 59% Naval (USN & USMC)
- 19% Other US Services
- 15% International
- 7% Civilian

DL Students (1,341):

- 31% Naval (USN & USMC)
- 65% Civilian
- 4% Other US Services
- <1% International</p>



Executive & Professional Development Education



20,026 students with known affiliation

NPS EE/PD - 2016

- Over 24,000 Total Students
 - Intl Military Personnel
 - USN Personnel
- NPS Major Units:
 - CCMR
 - DRMI
 - CEE
 - RSEP
 - CHDS
- Major Sponsors:
 - DOD/OSD
 - DON



NPS Faculty

- Active recruiting from top Ph.D. programs
- A robust mix of tenured faculty, lecturers, research faculty, and others
- Includes ~8% military personnel with strong academic credentials and recent operational experience
- Integrates teaching with research
- No teaching assistants
- Develops technologies
 which are eligible for patents

Highlights

605 Civilian Faculty (AY2016/QTR 4)

232 Tenure or Tenure-Track (100% with Doctorates)
383 Non-Tenure-Track

51 Military Faculty

Top Sources of Faculty Graduate Degrees

UC Berkeley	23
MIT	20
Stanford	19
USC	16
UCLA	12

Top Universities

211 NPS faculty earned their highest degree from one of the top 50 universities



NPS Naval Research Program

One exception to the "bottom-up" proposal process

\$12M/year Program

• ~10% of the research portfolio

Benefits accrue widely

- Provides faculty and student opportunities to work operational problems
- Educates faculty about the Navy's problems
- Educates Navy leadership about NPS's capabilities

