IUCRC PROGRAM
FINDINGS FROM THE CENTER STRUCTURE DATABASE

FINAL RESULTS: FY 2011-2012

TRENDS FROM CENTER STRUCTURE DATABASE: 1980-2012

Gray, D.O., DeYoung, S.E., & McGowen, L.C.
North Carolina State University

January, 2013
Center Life Cycle*

Active Centers

Phased Out Centers

(Cumulative Record)

(Current Year)

*Data Current for FY2013
Single & Multi-Site Centers*

*Data Current for FY2013
ACTIVE CENTERS AND SITES BY YEAR*

Centers & Sites

Data Current for FY2013

NSF-I/UCRC Center Structure Database

January, 2013

*Data Current for FY2013"
Total Program Funding

Millions

<table>
<thead>
<tr>
<th>Year</th>
<th>Funding (in Millions)</th>
</tr>
</thead>
<tbody>
<tr>
<td>00</td>
<td>70</td>
</tr>
<tr>
<td>02</td>
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<td>04</td>
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<td>08</td>
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<td>10</td>
<td>70</td>
</tr>
<tr>
<td>12</td>
<td>130</td>
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</tbody>
</table>
Average & Median Total Center Funding

January, 2013
NSF Budget by Year

![Bar chart showing the NSF budget by year from 1980 to 2012. The chart includes a note stating that for the years 2005-2012, supplemental funding and CISE should also be included.](image)
NSF Budget by Year

Other Programs co-fund too!
Average NSF IUCRC Funding per Center

- Funding amounts: $0, $50,000, $100,000, $150,000, $200,000, $250,000, $300,000
- Higher funding levels shown for 2008 and 2012.
Average NSF IUCRC Funding per Site

<table>
<thead>
<tr>
<th>Year</th>
<th>Funding</th>
</tr>
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<tbody>
<tr>
<td>02</td>
<td>$50,000.00</td>
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<tr>
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<td>$70,000.00</td>
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<tr>
<td>12</td>
<td>$60,000.00</td>
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</tbody>
</table>
Total Funding by Source in Dollars

**Millions**

- UNIVERSITY
- OTHER (FED. NON-FED., & OTHER CASH)
- STATE
- OTHER INDUSTRY
- INDUST. MEM. FEES
- OTHER NSF
- IUCRC

January, 2013

FY 2011-2012 NSF-I/U SRC Center Structure Database
Total Funding by Source in Percentages

- UNIVERSITY
- OTHER (FED., NON-FED., & OTHER $)
- STATE
- OTHER IND.
- IND. MEM. FEES
- OTHER NSF
- IUCRC
CISE & ENG Partnership: Funding by Source

January, 2012

2010-2011 NSF-I/UCRC Center Structure Database

Slide 13
Industrial Memberships

Total Number of Memberships

Average Number of Memberships per Center

January, 2013
FY 2011-2012 NSF-I/UCRC Center Structure Database
Average Membership Turn Over

NEW CENTERS EXCLUDED

Lines crossing = natural recession!

Lost: Small = 26.60%
Federal = 21.88%
Large = 17.52%
State = 7.14%
Other = 6.38%

*Newly funded Centers’ members are not counted as Members Added

Members Added this FY
Members Left this FY

Fiscal Year

January, 2013
FY2011-2012 NSF-I/UCRC Center Structure Database
Member Turnover Rate

**Turnover Percent**

Turnover % = Members terminated in year X+1 / Total members in year X

- FY2011-2012 NSF-I/UCRC Center Structure Database

January, 2013
Member Composition 2005-2012

^ Categories comprising Others include: non-profit, non-US gov’t, and other org.
Member Composition 2005-2012

\(^\wedge\) Categories comprising Others include: non-profit, non-US gov't, and other org.
Average Number of Researchers per Center

FACULTY & POST DOC RESEARCHERS

Note: As of 2003, NSF changed the label of “non-faculty” researchers to “post doc” researchers.
Funding per Researcher Total

Total Dollars per Researcher

Year

87
89
91
93
95
97
99
01
03
05
07
09
11

FY 2011-2012 NSF-I/UCRC Center Structure Database

January, 2013
Intellectual Property Events
FY 02-12 Totals

- Invention Disclosures
- Patent Applications
- Patents Granted
- Software Copyrights
- Licensing Agreements
- Royalties Realized

January, 2013
FY 2011-2012 NSF-I/UCRC Center Structure Database
Average Number of Intellectual Property Events 02-12

- Invention Disclosures
- Patent Applications
- Patents Granted
- Software Copyrights
- Licensing Agreements
- Royalties Realized

January, 2013
FY 2011-2012 NSF-I/UCRC Center Structure Database
Total Students Working in Centers

- Masters (2012 Mean = 11.58)
- PhD (2012 Mean = 20.27)
- BS (2012 Mean = 7.29)

* Prior to 2002, Masters and PhD were combined into "Grad" category.

January, 2013
FY2011-2012 NSF-I/UCRC Center Structure Database
Total Students Graduated from Centers

- Masters (2012 Mean = 7.69)
- PhD (2012 Mean = 4.71)
- BS (2012 Mean = 6.38)

Fiscal Year

January, 2013
Total Students Hired from Centers

- Masters (2012 Mean = 2.36)
- PhD (2012 Mean = 2.13)
- BS (2012 Mean = 1.24)

Students

Fiscal Year

January, 2013

FY2011-2012 NSF-I/UCRC Center Structure Database
Questions?