Universities: Critical to the State’s Economy

“An estimated $3.43 billion was spent in Florida by the university and its related organizations, employees, students, and visitors during 2001-02 . . . This total impact is more than seven times the state investment of $498 million for 2001-02.”

“The Economic Impact of the University of Florida on the State of Florida”
Office of the Provost
Florida's universities stimulate the economy . . .

An estimated $1.9 billion operating dollars was appropriated for 2003-04. The SUS yields a return to the Florida economy of $9.72 for every state taxpayer dollar invested. The total annual impact is $18.2 billion.
Florida – Income from licenses and patents

2001 Licensing Income
Florida Research Universities

- Miami <1% $257,769
- USF 1% $877,695
- FAU <1% $101,000
- UF 31% $28,589,460
- UCF <1% $177,580
- FSU 68% $62,077,749
How Florida Compares...

Licensing Income in Comparison State Group

- Tennessee: $3.5 million (1%)
- South Carolina: $5 million (2%)
- North Carolina: $19.9 million (6%)
- Michigan: $38.4 million (12%)
- Georgia: $11.2 million (3%)
- Texas: $24.4 million (7%)
- Virginia: $10.5 million (3%)
- Alabama: $1.3 million (<1%)
- California: $120.7 million (38%)
- Florida: $92.1 million (28%)
Distribution of Florida’s Doctoral Programs

Number of Doctoral Programs
By University

<table>
<thead>
<tr>
<th>University</th>
<th>Number of Programs</th>
</tr>
</thead>
<tbody>
<tr>
<td>UF</td>
<td>84</td>
</tr>
<tr>
<td>FSU</td>
<td>72</td>
</tr>
<tr>
<td>FAMU</td>
<td>11</td>
</tr>
<tr>
<td>USF</td>
<td>32</td>
</tr>
<tr>
<td>FAU</td>
<td>16</td>
</tr>
<tr>
<td>UWF</td>
<td>1</td>
</tr>
<tr>
<td>UCF</td>
<td>21</td>
</tr>
<tr>
<td>FIU</td>
<td>25</td>
</tr>
<tr>
<td>UNF</td>
<td>1</td>
</tr>
<tr>
<td>FGCU*</td>
<td>0</td>
</tr>
<tr>
<td>NCF**</td>
<td>0</td>
</tr>
</tbody>
</table>
Doctoral Graduates by Discipline

Top 10 Institutions in Total Research Expenditures

<table>
<thead>
<tr>
<th>TOP 10 PUBLICS</th>
<th>Rsch Exp. (Mill.)</th>
<th>Research Exp. per FTE Student</th>
<th>FLORIDA</th>
</tr>
</thead>
<tbody>
<tr>
<td>U OF WISCONSIN-MADISON</td>
<td>$523</td>
<td>$20,930</td>
<td>U OF FLORIDA</td>
</tr>
<tr>
<td>U OF CALIFORNIA-LOS ANGELES</td>
<td>$476</td>
<td>$12,623</td>
<td>U OF SOUTH FLORIDA</td>
</tr>
<tr>
<td>U OF WASHINGTON</td>
<td>$462</td>
<td>$10,908</td>
<td>FLORIDA STATE</td>
</tr>
<tr>
<td>U OF MICHIGAN-ANN ARBOR</td>
<td>$441</td>
<td>$14,831</td>
<td>FLORIDA INTERNATIONAL</td>
</tr>
<tr>
<td>U OF CALIFORNIA-SAN DIEGO</td>
<td>$407</td>
<td>$16,859</td>
<td>U OF CENTRAL FLORIDA</td>
</tr>
<tr>
<td>U OF MINNESOTA-TWIN CITIES</td>
<td>$389</td>
<td>$11,829</td>
<td>FLORIDA A&amp;M</td>
</tr>
<tr>
<td>U OF PITTSBURGH-MAIN</td>
<td>$344</td>
<td>$17,258</td>
<td>FLORIDA ATLANTIC</td>
</tr>
<tr>
<td>U OF CALIFORNIA-BERKELEY</td>
<td>$343</td>
<td>$14,404</td>
<td>U OF WEST FLORIDA</td>
</tr>
<tr>
<td>U OF FLORIDA</td>
<td>$333</td>
<td>$9,861</td>
<td>U OF NORTH FLORIDA</td>
</tr>
<tr>
<td>U OF CALIFORNIA-DAVIS</td>
<td>$308</td>
<td>$10,697</td>
<td>FLORIDA GULF COAST</td>
</tr>
<tr>
<td>AVERAGE OF TOP 10</td>
<td>$403</td>
<td>$14,020</td>
<td>NEW COLLEGE OF FLORIDA</td>
</tr>
</tbody>
</table>

Notes: IPEDS, 2001-2002 Data. Top 10 Among Public, Research-Extensive Universities. Undergraduate FTE = 40 Credits. Graduate FTE = 30 Credits.
Setting the Scene

National public opinion versus What Floridians think about the role of universities
Nationally
The Chronicle Survey indicates. . .

“Given a list of 21 possible roles that colleges should play, respondents placed in the bottom half such things as conducting research to make American businesses more competitive and helping local businesses be successful.”

Survey of Public Opinion on Higher Education
Chronicle of Higher Education
May 2003
Chronicle Survey Results

More Important

- Prepare its undergraduate students for a career.
  - 71%

- Provide education to adults so they qualify for better jobs.
  - 65%

- Help elementary and high schools do a better job teaching children.
  - 63%

- Offer a broad-based general education to undergraduate students.
  - 65%

Less Important

- Discover more about the world through research.
  - 56%

- Conduct research that will make American businesses more competitive.
  - 42%

- Help attract new business to the region.
  - 39%

- Help local businesses and industries in the region be successful.
  - 36%
One Chancellor’s Analysis of the survey...

- The survey's respondents seem to hold an outdated view of public colleges as ivory towers whose main purposes are to help individuals meet their goals and to prepare students for jobs.

- Institutions must begin to assume a broader role in helping states expand their economies, which are increasingly dependent on knowledge and technological advances.

Roderick G.W. Chu
Chancellor, Ohio Board of Regents
Quoted in the Chronicle of Higher Education
SUPA study results indicate Floridians see the importance of research a little differently . . .

**How important are universities to a well-trained workforce in Florida? (Q13)**

- Somewhat unimportant: 1.0%
- Not important at all: 0.7%
- Do not know/refused: 1.0%
- Very important: 75.1%

**How important are universities to enhancing research and technology? (Q14)**

- Somewhat unimportant: 0.7%
- Not important at all: 1.0%
- Do not know/refused: 1.1%
- Somewhat important: 12.5%
- Very important: 84.7%
Florida Bucks the Trend

- SUPA study – support for research
- Leadership – the Governor’s impact
  - Centers of Excellence
  - Scripps Florida
- Bi-partisan support from Legislature
- Board of Governors
Florida Atlantic University
Center of Excellence in
Biomedical and Marine Biotechnology

University of Central Florida
Florida Photonics Center of Excellence

University of Florida
Center of Excellence in Regenerative Health Biotechnology
Scripps Florida – shaping our economic future

“Today is a defining moment in Florida’s future, and I thank the Legislature for daring to dream big, and for sharing a vision for a new Florida. The opportunity Scripps brings to our state is unparalleled, and the Scripps partnership is unprecedented.

Governor Jeb Bush
November 3, 2003
Legislature’s investment in research
$340 million

Spring 2002
$30 million for Centers of Excellence

Fall 2003
$310 million earmarked for Scripps Florida
## How other states are funding research

<table>
<thead>
<tr>
<th>State</th>
<th>Program Name</th>
<th>Funding Amount</th>
<th>Status</th>
<th>Multi-Year?</th>
<th>University Research Component</th>
</tr>
</thead>
<tbody>
<tr>
<td>Arizona</td>
<td>Arizona BOR Tech and Research Initiative Fund</td>
<td>$50,000,000</td>
<td>In Place</td>
<td>Yes</td>
<td>100%</td>
</tr>
<tr>
<td>Arizona</td>
<td>Research Facilities Bond Issue</td>
<td>$440,000,000</td>
<td>In Place</td>
<td>No</td>
<td>100%</td>
</tr>
<tr>
<td>Indiana</td>
<td>Energize Indiana</td>
<td>$1,250,000,000</td>
<td>In Place</td>
<td>Yes</td>
<td>40%</td>
</tr>
<tr>
<td>Michigan</td>
<td>Life Sciences Corridor</td>
<td>$1,000,000,000</td>
<td>In Place</td>
<td>Yes</td>
<td>90%</td>
</tr>
<tr>
<td>Kentucky</td>
<td>Bucks For Brains</td>
<td>$230,000,000</td>
<td>In Place</td>
<td>Yes</td>
<td>100%</td>
</tr>
<tr>
<td>Ohio</td>
<td>The Third Frontier</td>
<td>$1,600,000,000</td>
<td>Voters Rejected $500 million</td>
<td>Yes</td>
<td>&gt; 70% (Est.)</td>
</tr>
<tr>
<td>Illinois</td>
<td>Venture Tech</td>
<td>$1,900,000,000</td>
<td>In Place</td>
<td>Yes</td>
<td>&gt;20%</td>
</tr>
<tr>
<td>Iowa</td>
<td>Iowa Values Fund</td>
<td>$500,000,000</td>
<td>In Place</td>
<td>Yes</td>
<td>5%</td>
</tr>
<tr>
<td>Texas</td>
<td>Texas Enterprise Fund</td>
<td>$295,000,000</td>
<td>In Place</td>
<td>No</td>
<td>&gt;15% (Est.)</td>
</tr>
<tr>
<td>Maine</td>
<td>Governor's Budget</td>
<td>$60,000,000</td>
<td>In Place</td>
<td>No</td>
<td>&gt;70%</td>
</tr>
</tbody>
</table>

Figures courtesy Florida Research Consortium
Board of Governors

POTENTIAL LEADERSHIP ROLES

- Modify public perception
- Advocate for research
- Facilitate among institutions
- Set priorities for the future