Promise Realized: Outcomes from Investment in U of I Economic Development Mission

Research and Education as Engines of Economic Development

December 13, 2013
Economic Impact: Power in Numbers

- 77,443 students enrolled on our campuses
- 23,499 employees
- 20,000 degrees granted each year
- $800 million external research funding
- $5.6 billion annual budget
- $10 billion annual state economic impact
Unmatched Engineering and Development Capacity

3,035 engineering degrees in 2012 from Urbana & UIC

13,725 engineering students from Urbana & UIC

16 = Top 5 Urbana undergraduate/graduate programs

21 = Top 10 Urbana undergraduate/graduate programs

$236 million 3rd in Nation College of Engineering at Urbana externally-funded research in 2012
Research to Market:

NCSA
- NCSA will bring $1.5 Billion in federal funding to Illinois by end of 2015;
- Has research partnerships with 1/3 of Fortune 50 Companies

Blue Waters
- World’s fastest academic supercomputer
- University/corporate partnership
- Will bring ~ $500 million in new federal dollars into Illinois

National Digital Engineering & Manufacturing Coalition
- public-private consortium helps small /medium manufacturers access computer modeling
- $5 million from federal investment and private investors includes Deere, Lockheed Martin, GE and P&G.

XSEDE
- $121 million integration of digital imaging and computational tools
Research to Market: Gateway to Partnership

Institute for Genomic Biology - Urbana

Grant Income to date: $186 million
Energy and Biofuels Institute (EBI): $500M project with UC-Berkeley and BP
Center for Nutrition, Learning and Memory: 5-year project with Abbott Nutrition

UIC Innovation Center

Initial and continuing funding from Motorola
New partnership/support with Baxter
Intersection of education, research and industry
Mechanisms for Tech to Market

- 432 Patent filings in 2012
- 106 Patents issued in 2012
- $24.5 million collected in royalties
- 170+ startup companies in 10 years
- $550 million capital raised in incubators
Research to Market: Interface for Practical Solutions

Applied Research Institute (Urbana)
- Collaboration and partnership-building
- 10 years in planning/implementation
- Rapid response to sponsors

Starlight (UIC)
- Communication intersection for information superhighway
- NSF and DOE partners
- World’s largest advanced research networking hub

Joint Center for Energy Storage Research
- Argonne + Urbana & UIC + Corporations + University Partners = $120 million
- Developing battery and storage technology foundational for new energy economy