

Using Research Partnerships to Generate Wealth

Steve Sonka

Vice Chancellor for Public Engagement



ILLINOIS

illinois.edu





University of Illinois at Urbana-Champaign

World leader in research, teaching and public engagement

- 41,918 students
- 3,078 faculty
- 140 miles south of Chicago
- \$4.8 billion: FY 2011 operating budget
- Founded: 1867



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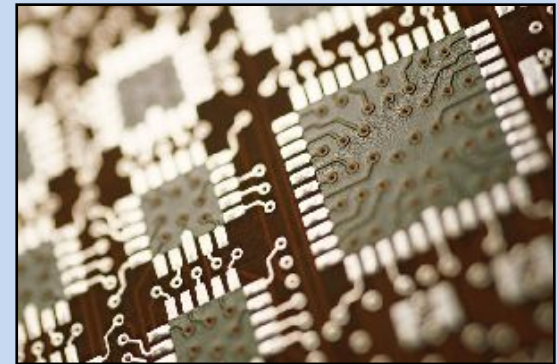




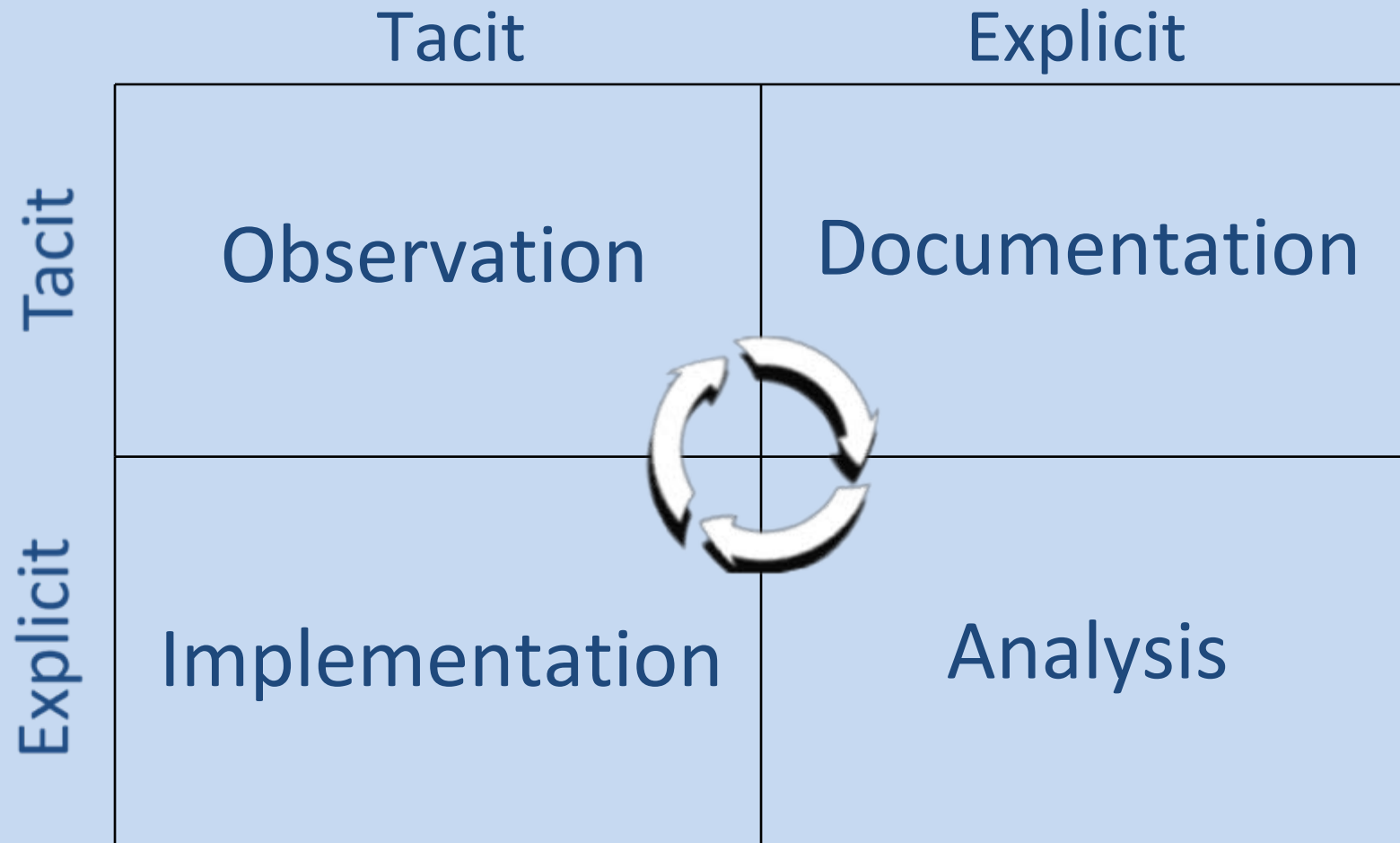
Technological “Firsts”

Contributed by the faculty, students and alumni

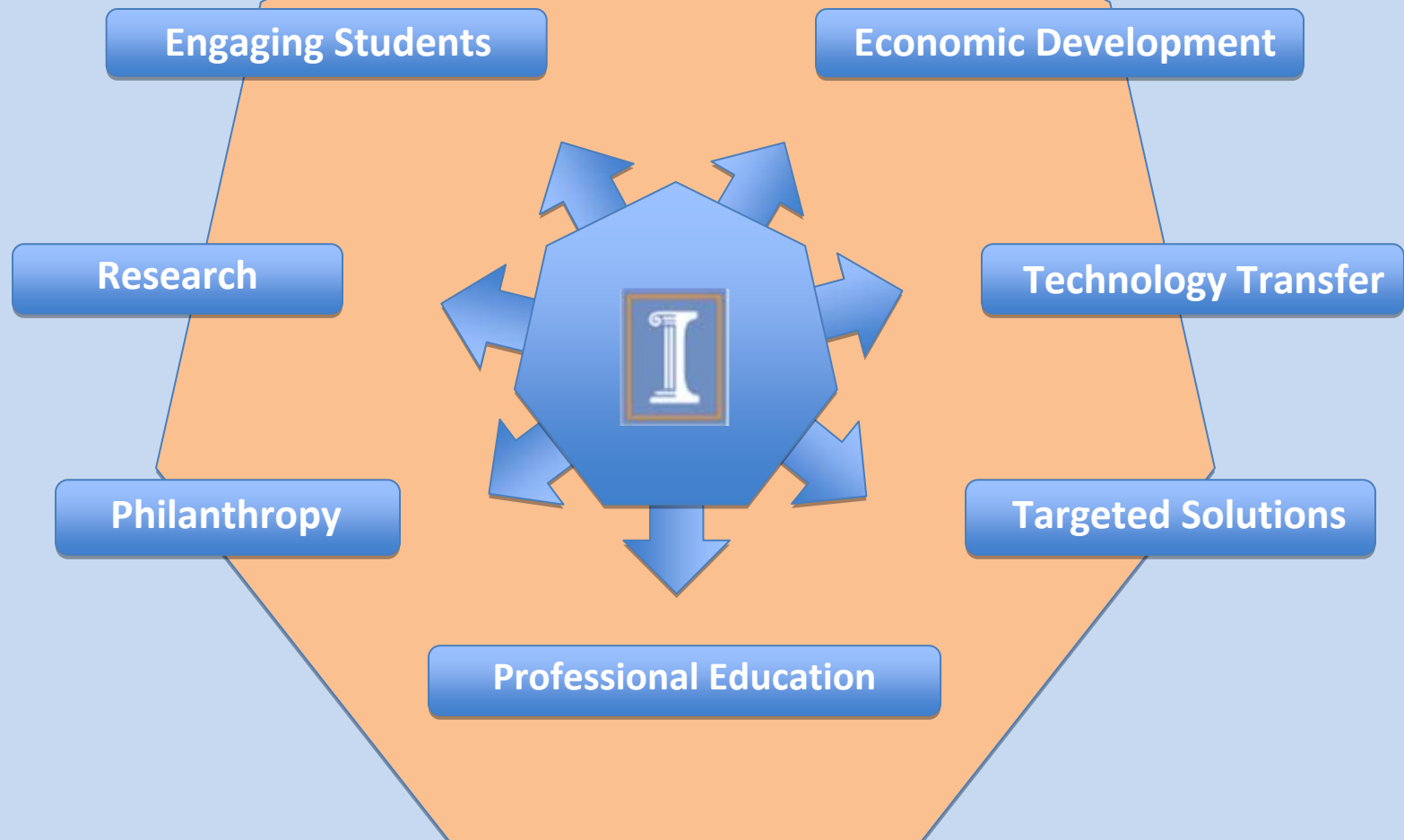
- Web browser, MOSAIC
- Computer chip
- Supercomputers, ILLIAC
- Plasma panel display
- The LED
- Transistor
- Discoveries leading to the widespread use of MRIs



Knowledge-Creating Systems



Entire Range of Corporate Interests





Engaging Students

State Farm in the Research Park

Headquarters: Bloomington, IL

- 80 million policies & accounts
- 68,000 employees
- \$16 billion in assets





Engaging Students

State Farm in the Research Park

- During peak semesters, the State Farm Research and Development Center employs 60+ interns
- Not a “one-size-fits-all” program
- Real opportunities and experience for undergraduate and graduate students.
- Flexible & Adaptable: Full time or part time. Summer or academic year.





Research

BP & Energy Biosciences Institute



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Research

Energy Biosciences Institute

- Unique collaboration between Illinois, the U of California, Berkeley; the Lawrence Berkeley National Laboratory; and BP
- BP gave 10-year, \$500-million grant
- R&D organization devising viable solutions to global energy challenges
- World's first research institution solely dedicated to the energy bioscience field





Philanthropy

ADM

- 29,000 employees
- \$62 billion: net sales FY '10
- 570 plants & facilities
- In 60 countries
- On 6 continents



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Philanthropy

ADM Institute for the Prevention of Postharvest Loss

- \$10 million grant to the University of Illinois
- Founded in Jan. 2011
- Institute Focus: smallholder farmers in the developing world
- Goal: to help preserve millions of metric tons of grains and oilseeds lost each year to pests, disease, mishandling and other factors.



Professional Education

Wm. Wrigley Jr. Company

Headquarters: Chicago, IL

- Leader in confections
- Operates in 40 countries
- Distributes to 180 countries
- Global revenues of \$30 billion



Professional Education

Wm. Wrigley Jr. Company

- Implemented a 10-month training program
- For high-performing scientists, engineers.
- Consists of 8, 2-day, off-site modules
- Topics range from accounting and marketing to leadership and innovation management.
- Training is held in the University's Illini Center in Chicago, where Wrigley is headquartered



Targeted Solutions

National Soybean Research Lab and Illinois Farmers



Illinois Soybean Association

- Statewide organization for Illinois soybean farmers
- Goal: Support research, promotion, and educational programs
- Programs aim to increase demand for Illinois soybeans
- Plans and supports national & international market development efforts
- Provides legislative advocacy

65,000: Number of soybean farmers in Illinois

Targeted Solutions


National Soybean Research Lab and Illinois Farmers

- Promotes soybean research, education and outreach in the areas of production, nutrition and international development.
- Developing innovative processing and marketing techniques involving soy.
- Educates society on the advantages of a soy enriched diet along with promoting the health benefits of eating soy.





Technology Transfer



R Systems
Founded Champaign, IL
and located in the Research Park

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Technology Transfer

R Systems in the Research Park

- R Systems NA, Inc. is a privately held corporation providing high-end computing resources for research.
- R Systems offers a rapid-response, queue-sensitive production environment with utility or dedicated access
- Custom service-level agreements available
- Provides services aimed at benefiting the commercial research community and improving the quality of life throughout the planet.



Economic Development

iCyt

Founded in 1995 and
headquartered in Champaign,
IL



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Economic Development

iCyt

- Employs 60+ people
- Designs, manufactures and sells flow cytometers, high-performance cell sorters used for stem cell and disease research.
- Sony acquired iCyt in Feb. 2010
- With this acquisition, Sony is using its expertise and technologies to enter the flow cytometry business in life science field.



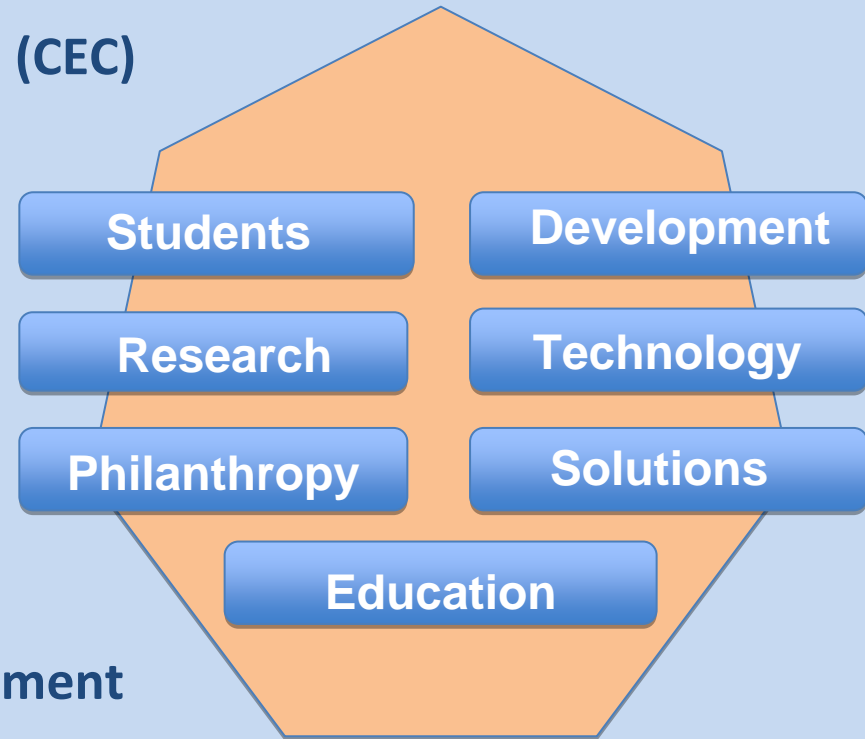
Management Structure

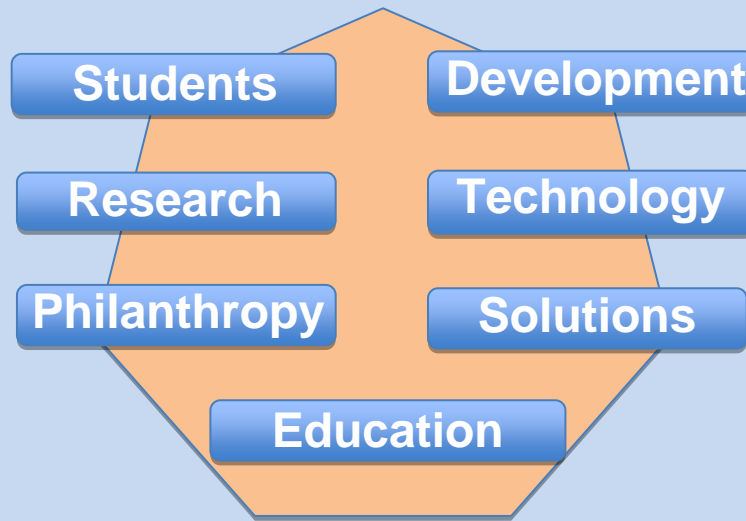
Strategy

- **Corporate Engagement Council (CEC)**
 - Chancellor, Chair
 - All Vice Chancellors
 - Three Deans
 - Executive Director, OCR
 - Chief Operating Officer

Operations

- **Vice Chancellor - Public Engagement**
- **Office of Corporate Relations**
- **Unit Corporate Contacts (UCCs)**





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