

University•Industry Demonstration Partnership

Discovery to Innovation Workshop Report of findings to GUIRR February 2011

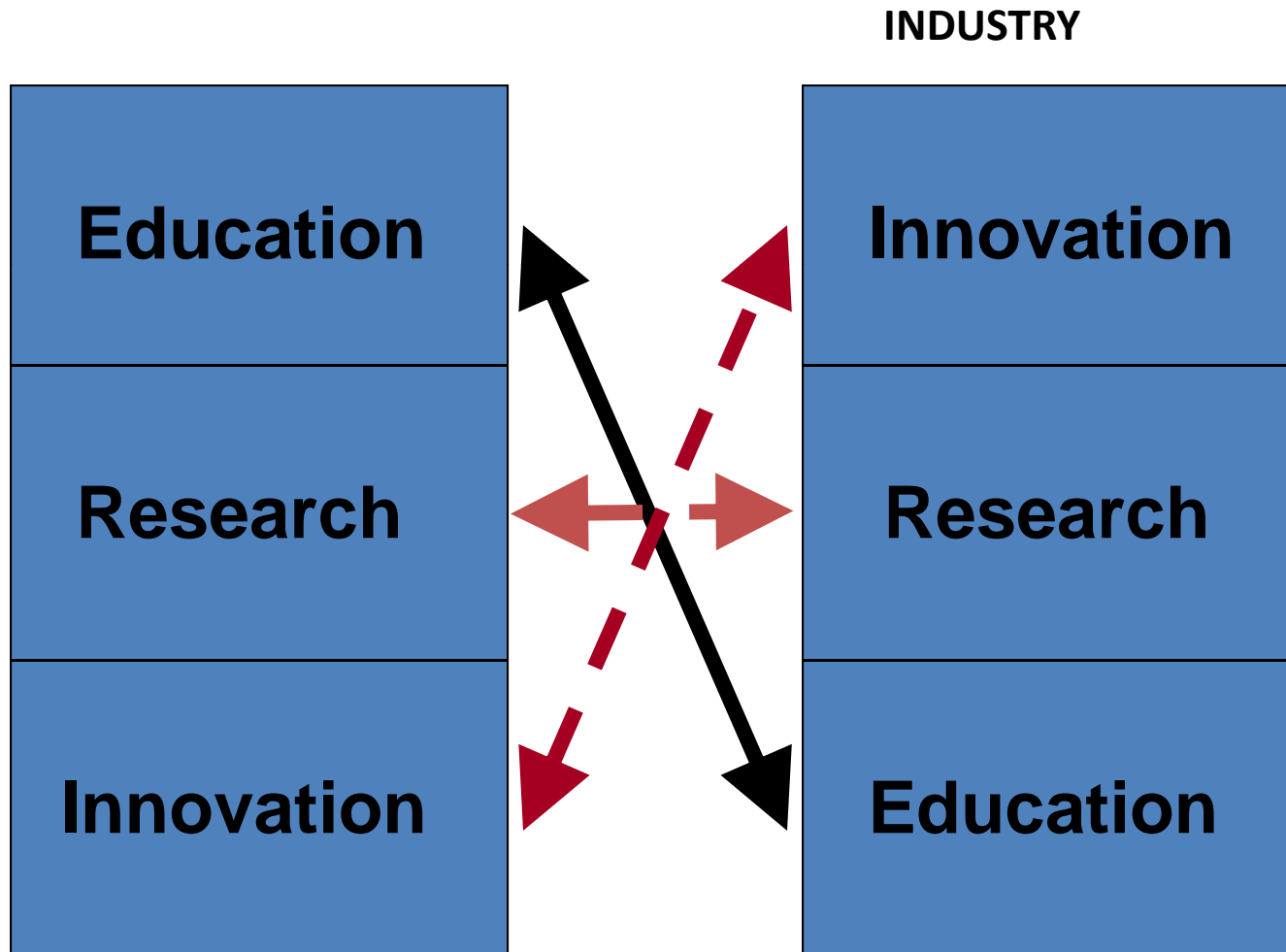
UIDP Strategic Partners

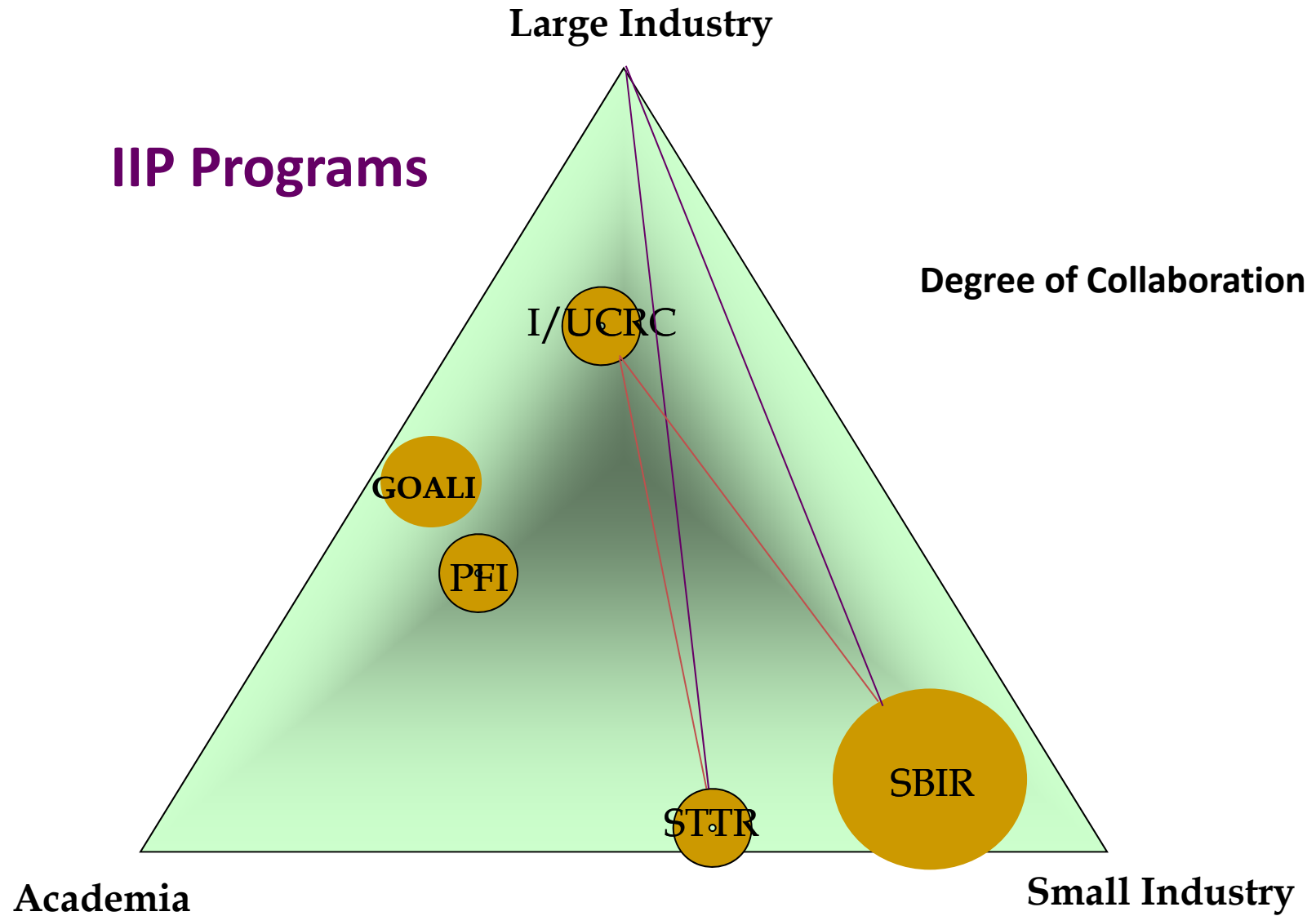


Outline

- Background on Discovery to Innovation Workshop
- Workshop Highlights and Findings
 - Issues and Actions
- Discussion

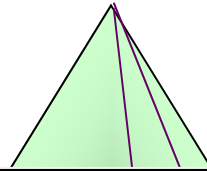
University – Industry Priorities





Large Industry

IIP Programs



The National Science Foundation (NSF) awarded IRI a \$1.2 million grant to pilot the **Industry-Defined Fundamental Research program**. The program intends to allow participating companies to influence a scientific research agenda, in a pre-competitive space, by defining key questions and then partnering with universities and companies to explore them.

Discovery to Innovation Invitational Workshop

- Held in Irvine, CA July 28-29, 2008
- Attended by a strategic set of representatives
 - industry, academia, government, others
- Many of the attendees were U-I “pairs”
(practitioners)
 - supported by NSF partnerships programs
 - ERC, I/UCRC, GOALI, PFI, STTR

Workshop Goal

*Identify steps that can be adopted
which will **accelerate** discovery to
innovation process*

- ***Understand** each other's values/needs*
- *Review past efforts*
- *Develop path forward*

Workshop Process

- Pre-Workshop Papers
- Keynote Presentations
- Three Concurrent Sessions
 1. Goals
 2. Small Business
 3. Gaps

Create proceedings that can be used by interested parties

Workshop Report Highlights

- Issue: Recognize the **impact** of U-I partnerships
- Action: Describe the **entire** spectrum of benefits (***CURRENT UIDP PROJECT***)
- Issue: **Multiple** U-I partnerships in states, countries, and industries
- Action: Conduct **studies** on current practices

Workshop Report Highlights

- Issue: The **cultural** differences between University and Industry
- Action: Integrate innovation into academic **curriculum** and industry make efforts to increase **understanding** within academics
- Issue: Bring parties **together**
- Action: Convene regular panels and support **matchmaking**

Workshop Report Highlights

- Issue: **Speed** and efficiency of the grant process
- Action: **SBIR** cycle time alignment of agencies and small businesses
- Issue: Disciplines **differ** in resource needs
- Action: **Adjust** SBIR/STTR funding levels

Workshop Report Highlights

- Issue: **Prize** mechanisms
- Action: **Mission** oriented agencies to support U-I collaboration
- Issue: **Expand** small business participation
- Action: **Encourage** small business engagements
- Issue: **New** technology applications
- Action: **Virtual** approaches to innovation

Selected Workshop Recommendations

Issue

1. U-I Cultural Differences

Action by NSF

1. Revived Corporate Alliance

Issue

2. U-I Collaboration

- Identify New Opportunities

Action by NSF

2. Strong History

- SRC in Nanotechnology
- Joined IRI

Selected Workshop Recommendations

Issue

3. Efficiency of SBIR Process

- Decrease **gap** between Phase I and II

Action by NSF

3. Added New Features

- **Increased** Phase I funding to \$150,000
- Phase **IB gap** funding

Selected Workshop Recommendations

Issue

4. Bring parties **together**

Action by NSF

4. **More** opportunities for SBIR

- **Connect** SBIR and I/UCRC **graduates**
- **Piloted** 5 SBIR into UIDP membership and **one** continues

Report/Full Set of Observations

- PDF version of report is available
 - May find executive summary more useful
- Additional findings may be of interest to you and your organization
- GUIRR Council is asked to weigh in as appropriate

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