

Information and Knowledge for Decision Making



An NSF I/UCRC Planning Grant Workshop

2-3 December, 2015

Renaissance Computing Institute

The University of North Carolina at Chapel Hill

Noel Greis, PhD, Kenan-Flagler Business School (PI)

Brian Blanton, PhD, Renaissance Computing Institute



**THE UNIVERSITY
of NORTH CAROLINA
at CHAPEL HILL**

Information and Knowledge for Decision Making



An NSF I/UCRC Planning Grant Workshop

Welcome & Workshop Purpose



THE UNIVERSITY
of NORTH CAROLINA
at CHAPEL HILL

How we got here

A deputy director attends an Industry/University workshop...



How we got here

... and gives a presentation on UNC research expertise in Data Sciences.



How we got here

The presentation is very well received.

So, the deputy directory says to me: "Let's join an I/UCRC"

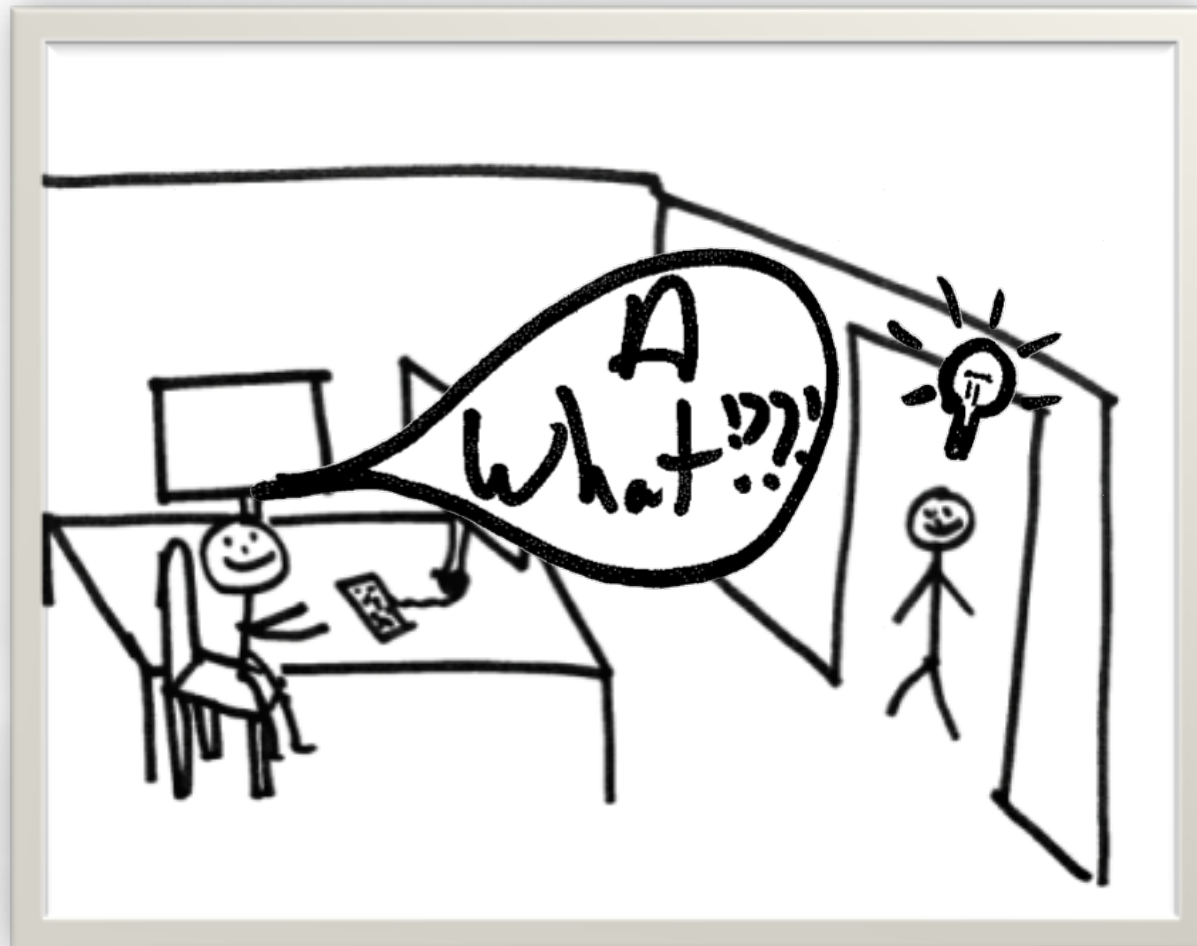


How we got here

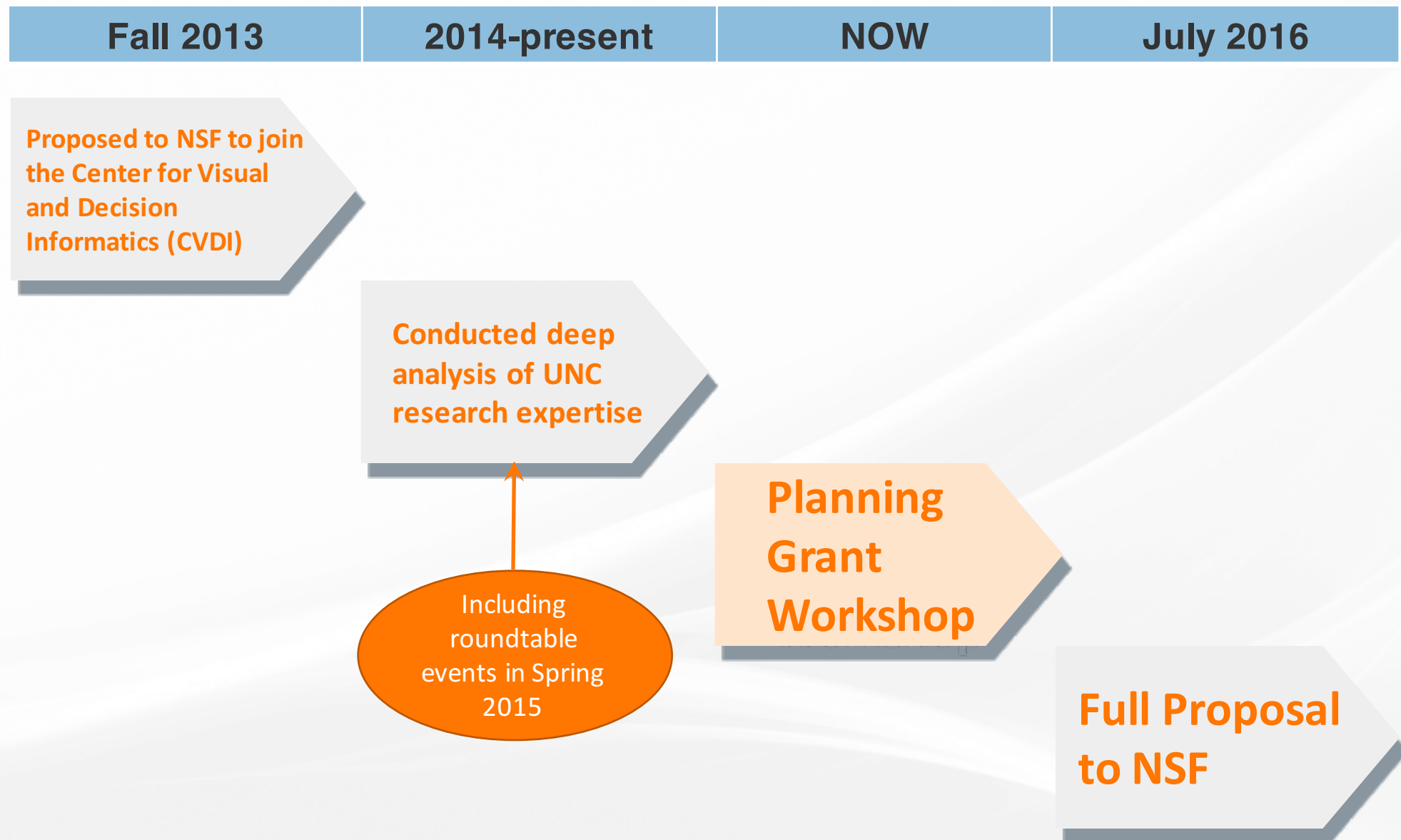
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So, the deputy directory says to me: "Let's join an I/UCRC"

To which I say ...



UNC Research Site Trajectory



NOW

Planning Grant Workshop

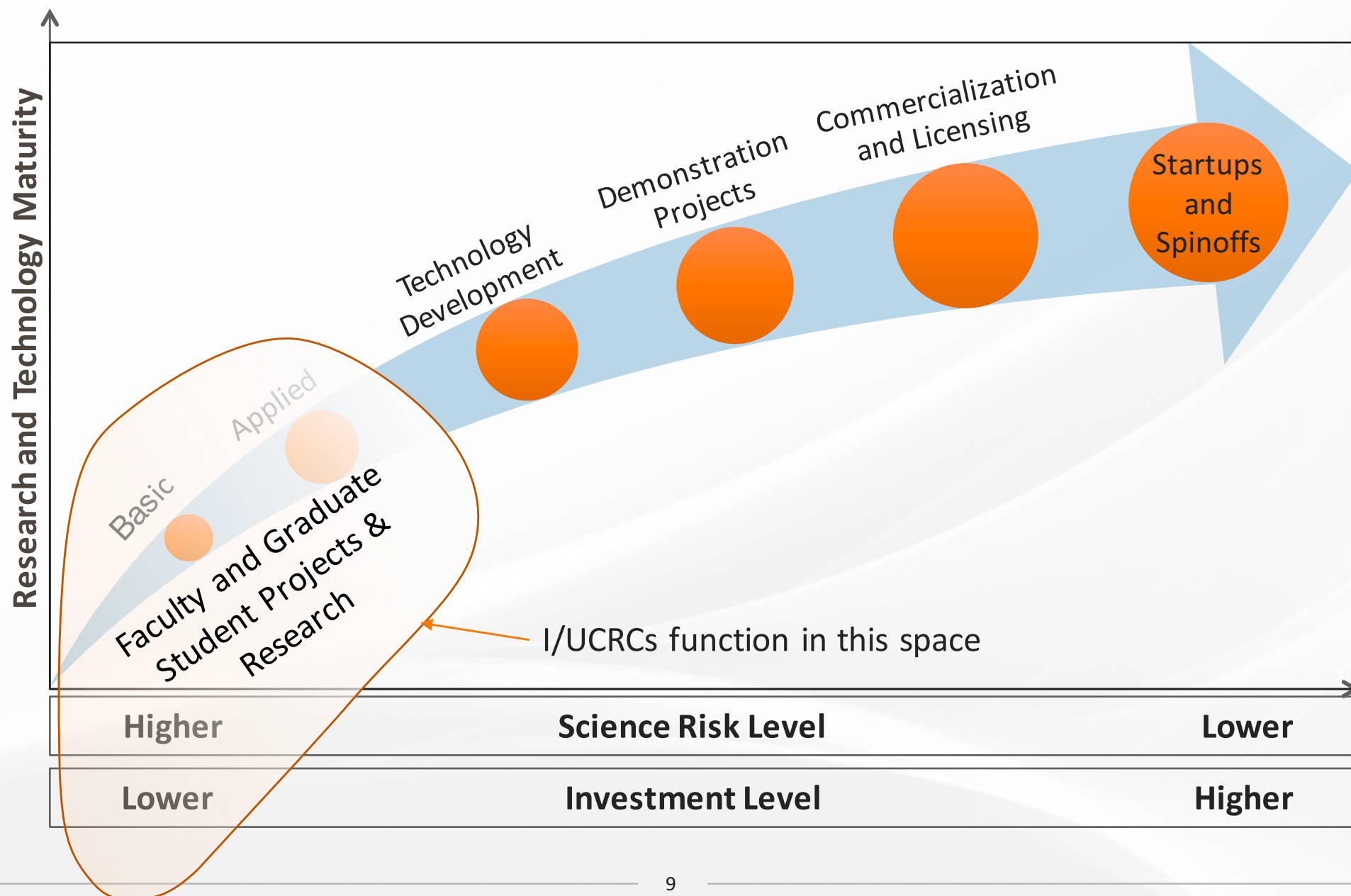


Center for Visual &
Decision Informatics

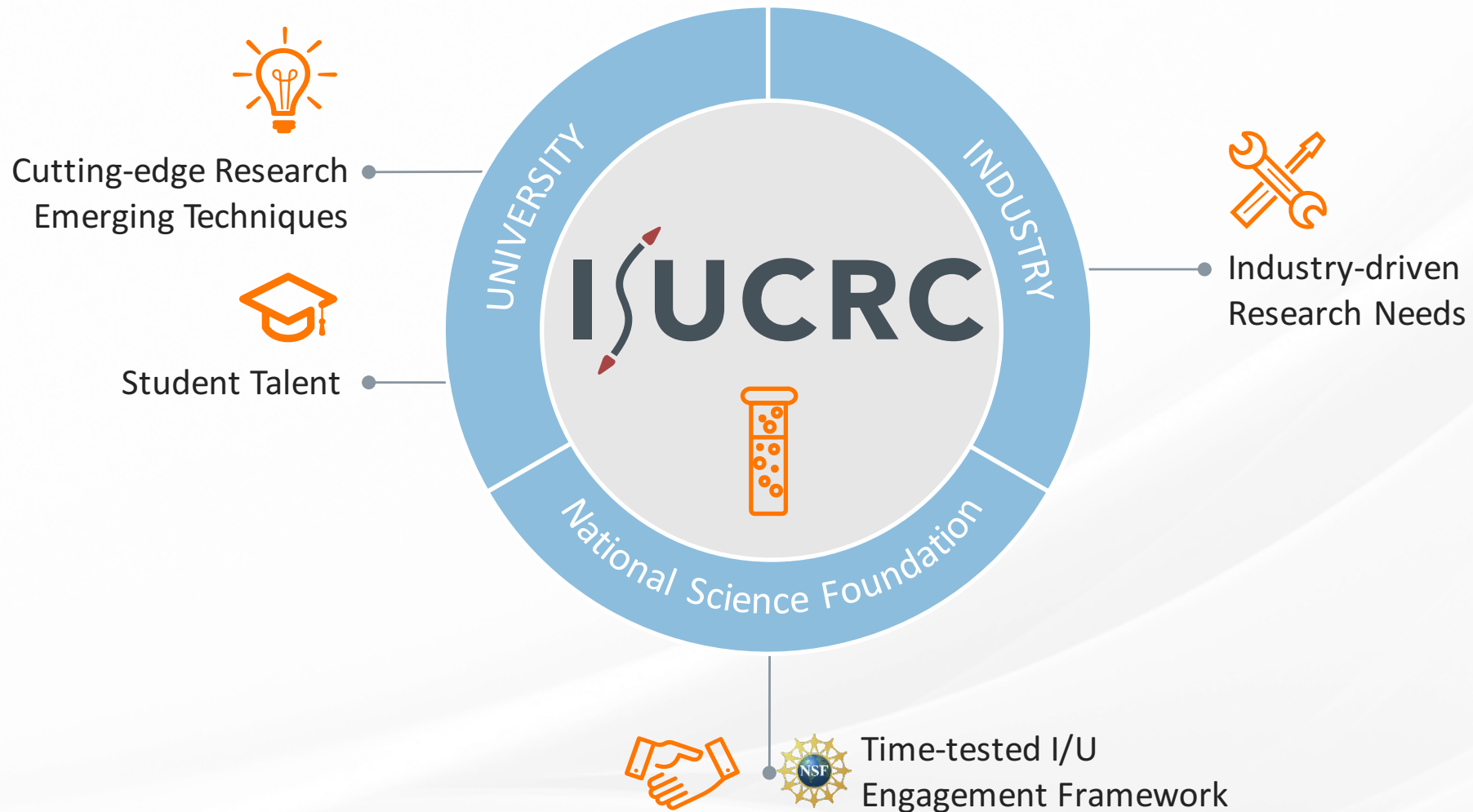
U of Louisiana @ Lafayette
Drexel Uni (Philadelphia)

<http://nsfcvdi.org>

Research and Technology Stages



Cooperative Leveraging



Demonstrate Research Capacity of UNC Faculty in Data and Visual Analytics for Decision Making

NOW

Planning Grant Workshop

Main Sessions:

- NSF Industry/University Cooperative Research Centers (I/UCRCs)
- Center for Visual and Decision Informatics (CVDI)
- UNC Research Focus
- Research Concept Presentations
- Open Discussion Period

Main Outcome:

- Interest level of industry present on research focus
- “Would you consider joining the Center, should the UNC site get instantiated?”

Reasons to create a new CVDI Research Site @ UNC

Centrally located in state

Deep collaboration with companies in Research Triangle Park

Other reasons will be discussed today...

I/UCRCs in North Carolina

NCSU, 6+ active, 2+ planned

Dielectrics and Piezoelectrics (CDP)— NCSU, Penn State

Laser and Plasma for Advanced Manufacturing (LPAM) UVA, NCSU, Illinois

Bio Energy Research and Development (CBERD) NCSU, Hawaii, SUNY-SB, ...

Center for Advanced Forestry Systems (CAFS) - NCSU, VT, UF, ...

Integration of Composites into Infrastructure (CICI)— WVU, U Miami, NCSU

Advanced Processing and Packaging Studies (CAPPS) - OSU, UC Davis, NCSU

Silicon Solar Consortium (SiSoC) - NCSU, Ga Tech

Center for the Integration of Composites into Infrastructure (CICI) - WVU,
Rutgers, SUNJ, NCSU, U Miami, UT-Arlington

UNC-Charlotte: 4+ active, 3 planned

Center for Freeform Optics (CeFO) - Rochester, UNC-Charlotte

Center for Metamaterials (CfM) - CUNY, WCU, UNC-Charlotte, Clarkson

Configuration Analytics and Automation (CCAA) - UNC-Charlotte, GMU

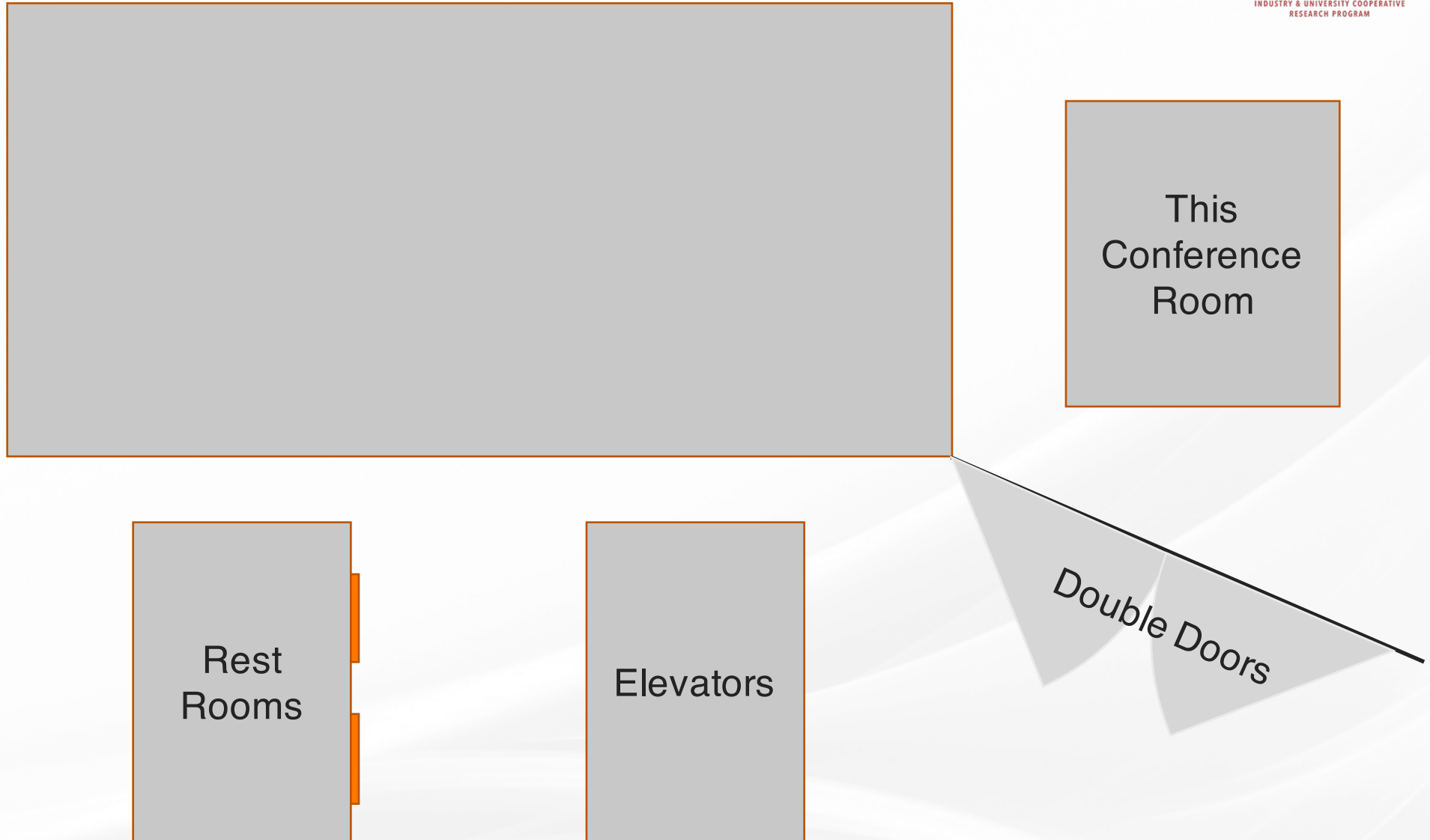
Safety, Security, Rescue Research - U Minnesota , U Denver , U Penn, UNC -
Charlotte



UNC Leadership Team

Noel P. Greis , Kenan-Flagler Business School	<i>Principal Investigator</i>
Brian Blanton , RENCI	<i>Faculty Engagement, Research Coordination</i>
David Knowles , RENCI	<i>Liaison to UNC Administration</i>
Shannon McKeen , Kenan-Flagler, RENCI	<i>Industry Outreach and Contact Manager</i>
<i>Workshop Planning and Management</i>	
<i>Jennifer Resnick, Asia Mieczkowska, Dawn Carsey, Stephanie Suber, Aja Saylor, Karen Green, Caryn Best</i>	

House Keeping



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Welcome to UNC

Dr. Barbara Entwisle, Vice Chancellor for Research

**Dr. Gary Marchionini, Dean, School of Information and
Library Science**



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