Institutional Repositories as a Vehicle for Transforming Students into Scholars

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New Orleans, Louisiana, USA

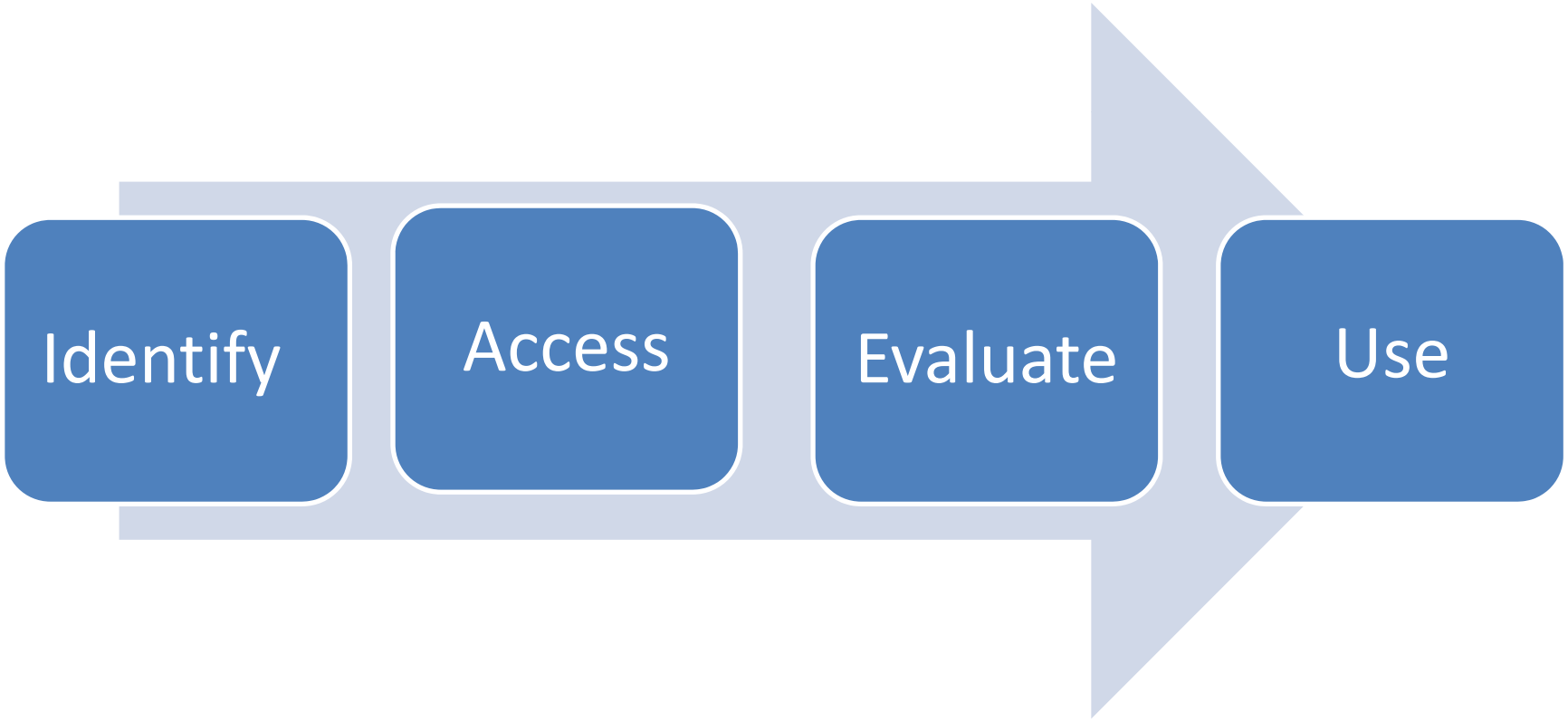
A powerful vehicle for transforming students to scholars can be…

To develop information literacy competencies and understanding

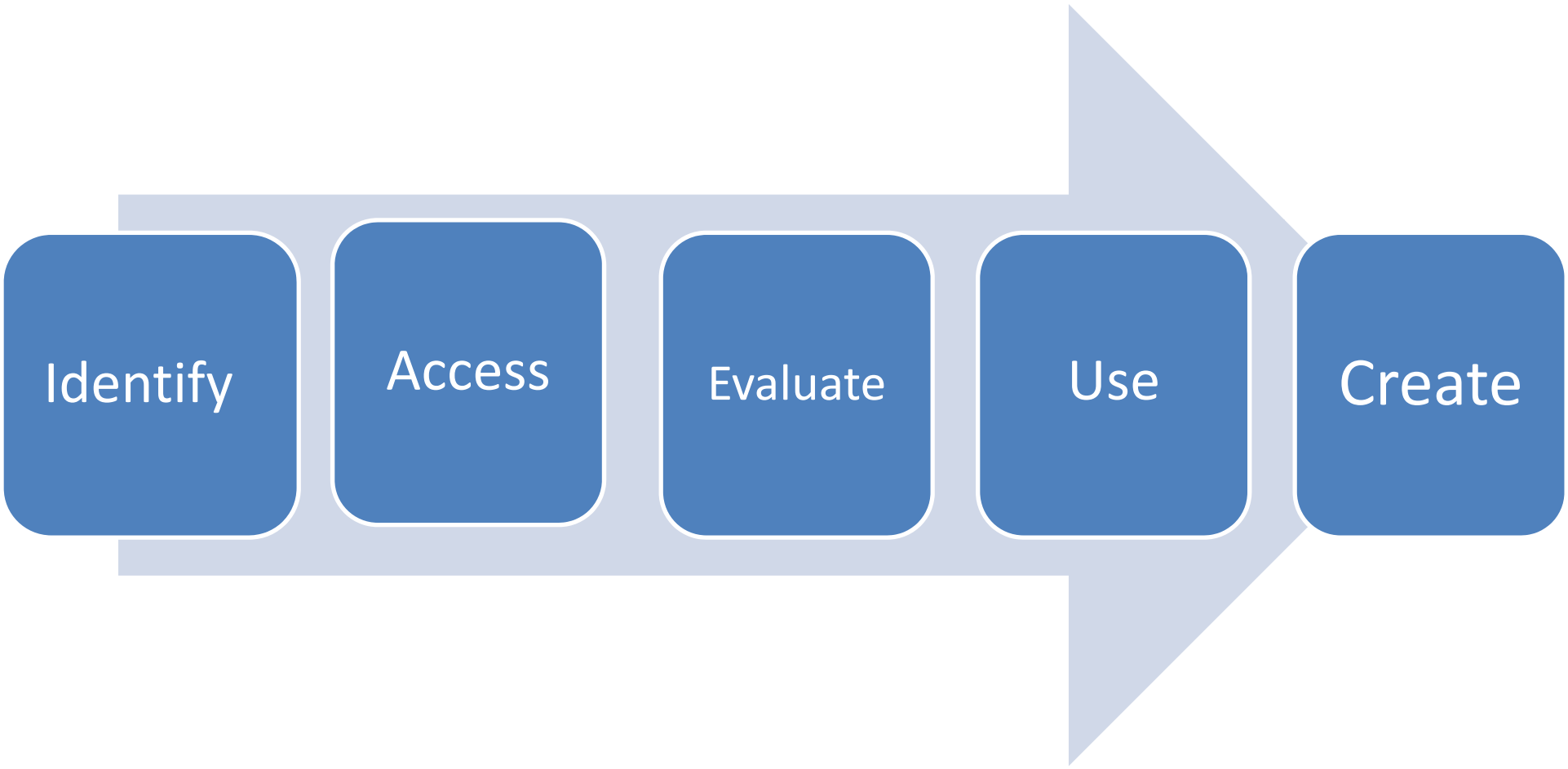
By having students become actively engaged in the scholarly communication process

Through creating and disseminating their research and that of others through a digital institutional repository

IL competencies



IL competencies



Moving to the next level…

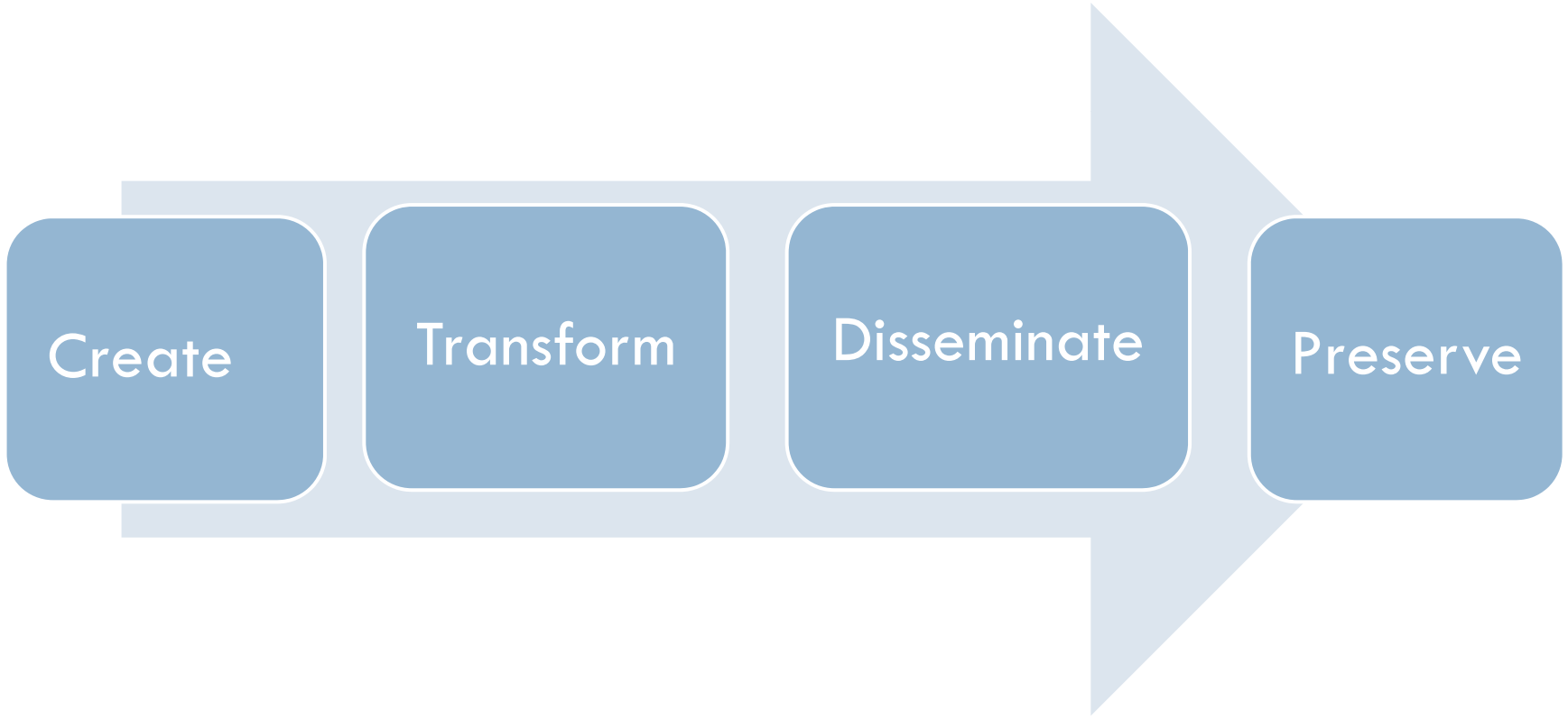
SCONUL Seven Pillars of IL: Present

…to create new knowledge and disseminate it….

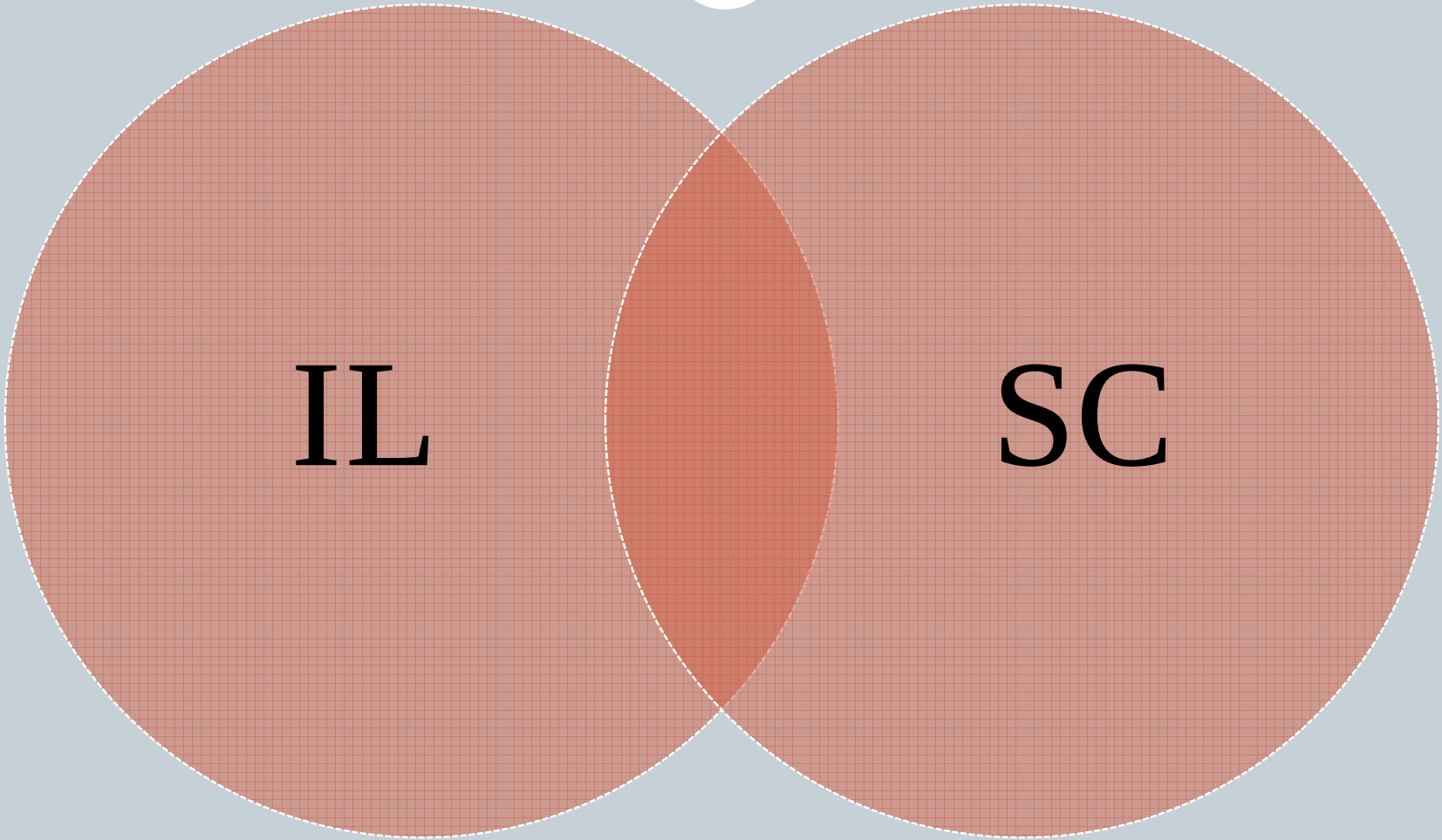
ANZIL Framework: Standard Five

…to construct new concepts or create new understandings

Scholarly Communication



The Convergence



ACRL IL Competency Standard Five

The information literate student understands many of the economic, legal, and social issues surrounding the use of information, and accesses and uses information ethically and legally.

How do students participate in IR's?

- Award-winning papers
- Undergraduate research fairs & conferences
- Electronic theses and dissertations
- Student research journals
- Data management & curation

Award-winning Papers

Open Access

Research Impact

Outstanding Academic Papers by Students (OAPS)

Outstanding Academic Papers by Students (OAPS)

Writing good academic papers is an essential skill in communicating research and acquired knowledge to the academic community and a wider audience.

To encourage students to acquire excellent research writing skills, selected works by NTU students will be highlighted regularly on this site as part of the International OAPS (Outstanding Academic Papers by Students) Program. Top NTU student papers selected by academic staff will provide inspiration and good examples for other students.

In the initial launch in 2009, 6 top student works from the Wee Kim Wee School of Communication and Information (WKWSCI) were selected. Subsequently, more student papers from various schools are added.

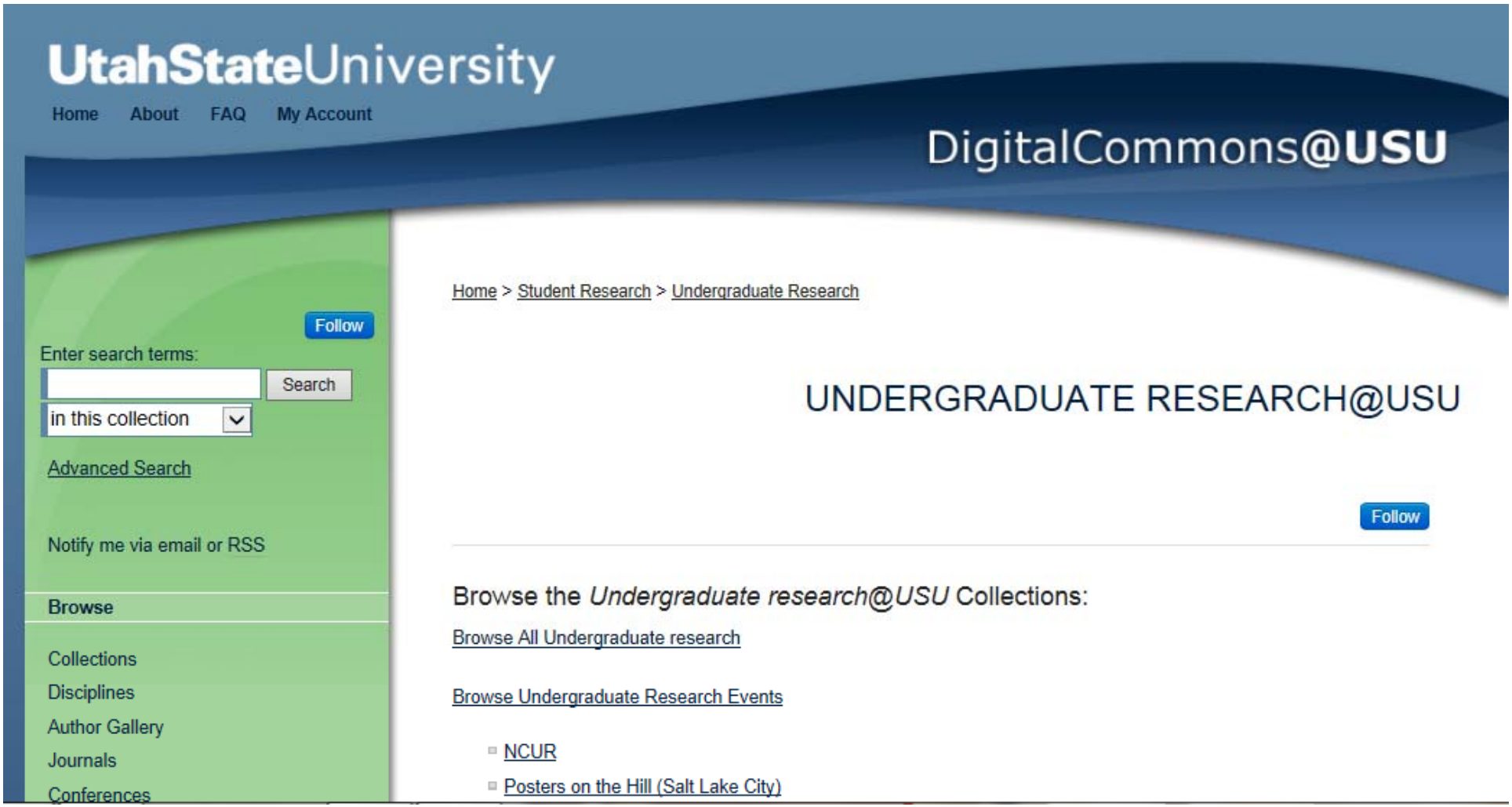
School of Civil and Environmental Engineering

2012
2011
2010

School of Humanities and Social Sciences

/scholarlycomm/Pages/oaps.aspx

Undergraduate Research Fairs & Conferences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This collection is comprised of theses and dissertations completed at the University of New Orleans from 2002 to the present.

Some documents from this time period that have not been digitized as well as older dissertations and theses can be located in the UNO Library online catalog: http://library.uno.edu/

For assistance contact the UNO Library at (504) 280-6549 or libref@uno.edu.

Theses/Dissertations from 2012

PDF The Eye of the Elephant, Lindsay H. Allen

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PDF Innovation in the Emerging Economy of China: Transnational Patenting and Citation Trajectories, Ankit Guglani

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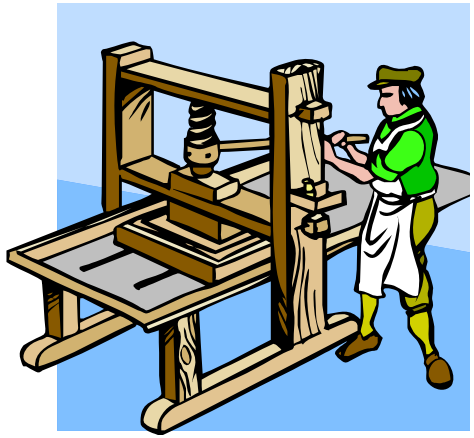
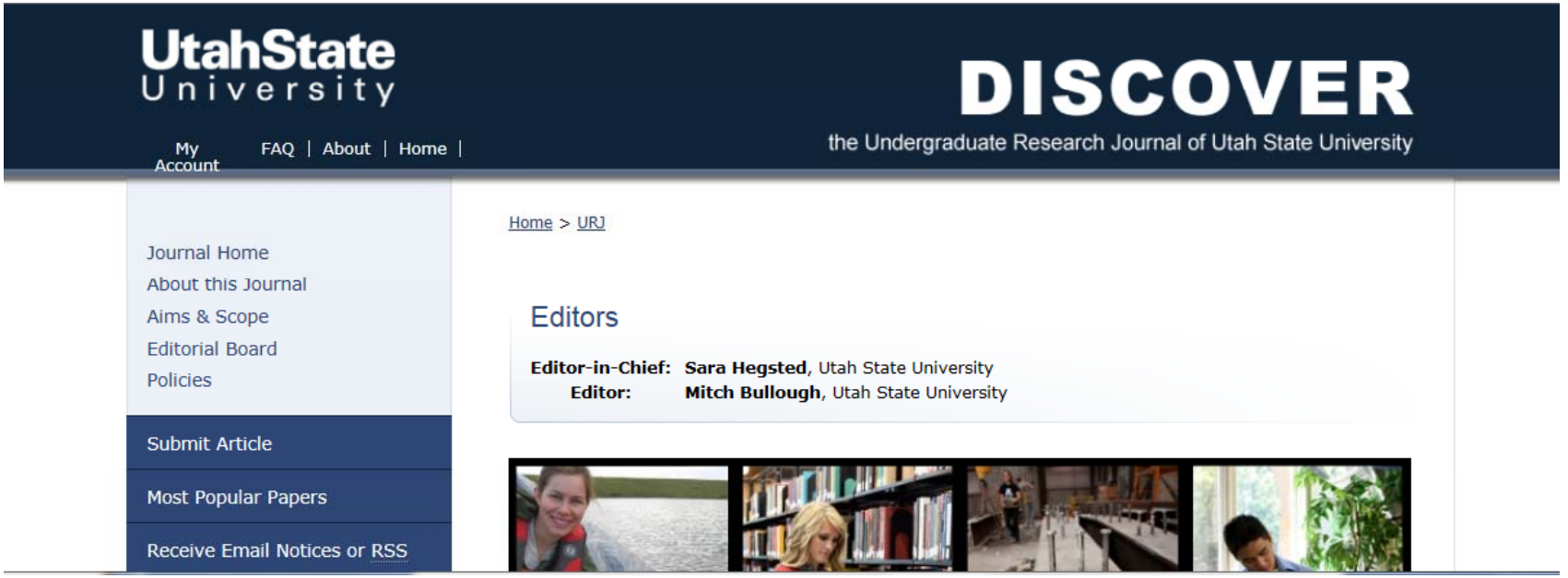


Student Research Journals



Discover-the Undergraduate Research Journal of Utah State University Discover is a peer-reviewed, open access journal dedicated to the publication of outstanding scholarship by undergraduates in Utah. This journal accepts submissions of scholarly and research articles, from undergraduate students in all academic disciplines. Submissions are accepted throughout the year; each volume will be published on the Journal website with two issues per year.

Undergraduate Economic Review

Follow

The UER is a peer-reviewed journal aimed at promoting high quality undergraduate research. It is supported by the Department of Economics and The Ames Library at Illinois Wesleyan University. While we are accepting submissions for volume 10, we will not be reviewing manuscripts until September, when the academic semester begins. Please email the editors with any questions you may have about the journal.

Undergraduate Economic Review

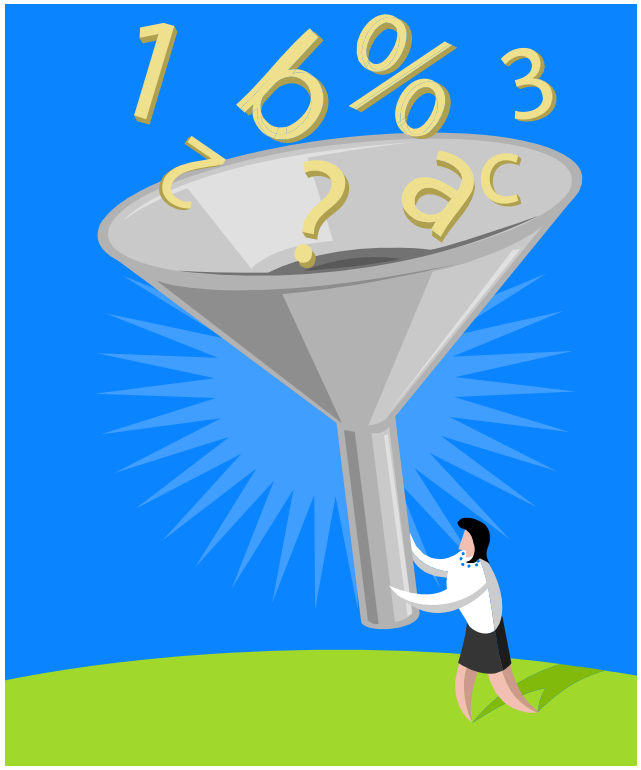
Editor-in-Chief
Sijia Song, Illinois Wesleyan University
Associate Editors
William Erlain, Illinois Wesleyan University
Katelyn Rowley, Illinois Wesleyan

Current Issue: Volume 9, Issue 1 (2012)

Articles

Digital Commons
Active Student Journals

# of institutions	# of journals
36	1
11	2
5	3
1	4
1	6
1	7



Data Management & Curation

Editors

Jacob Carlson, Purdue University
D. Scott Brandt, Purdue University

A ***Data Curation Profile*** is a resource for Library and Information Science professionals, Archivists, IT professionals, Data Managers, and others who want information about the specific data generated and used in research areas and sub-disciplines that may be published, shared, and preserved for re-use. Data Curation Profiles capture requirements for a specific data set generated by a single scientist or lab, based on their reported their needs and preferences for the data. More information about the Data Curation Profiles Project is available at http://datacurationprofiles.org

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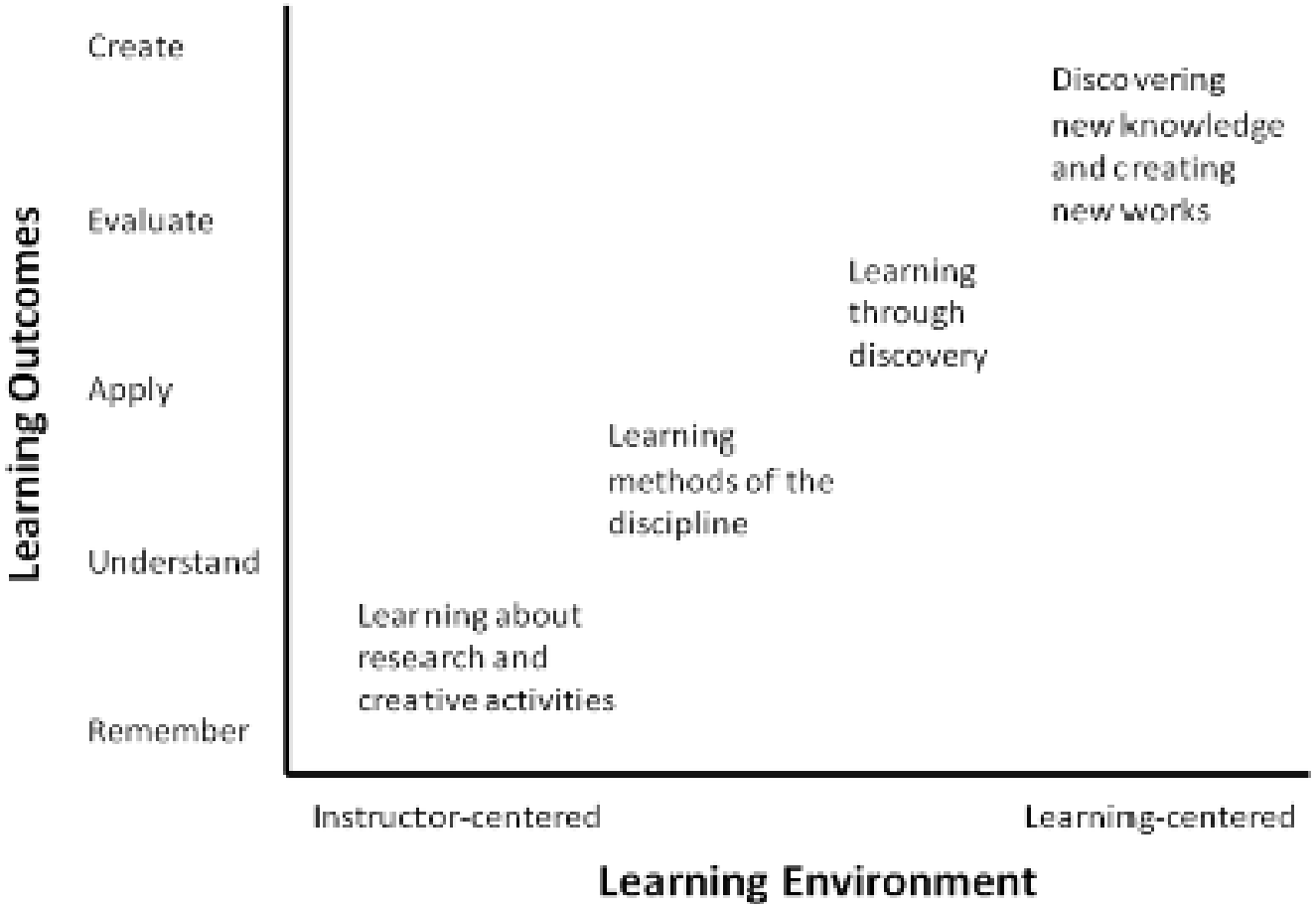
WHAT ARE STUDENTS LEARNING?

How is Undergraduate Research Defined?

An inquiry or investigation conducted by an undergraduate student that makes an original intellectual or creative contribution to the discipline.

Council on Undergraduate Research



Framework for Undergraduate Research at the University of Alberta
http://www.uri.ualberta.ca/en/DefiningUndergraduateResearch.aspx

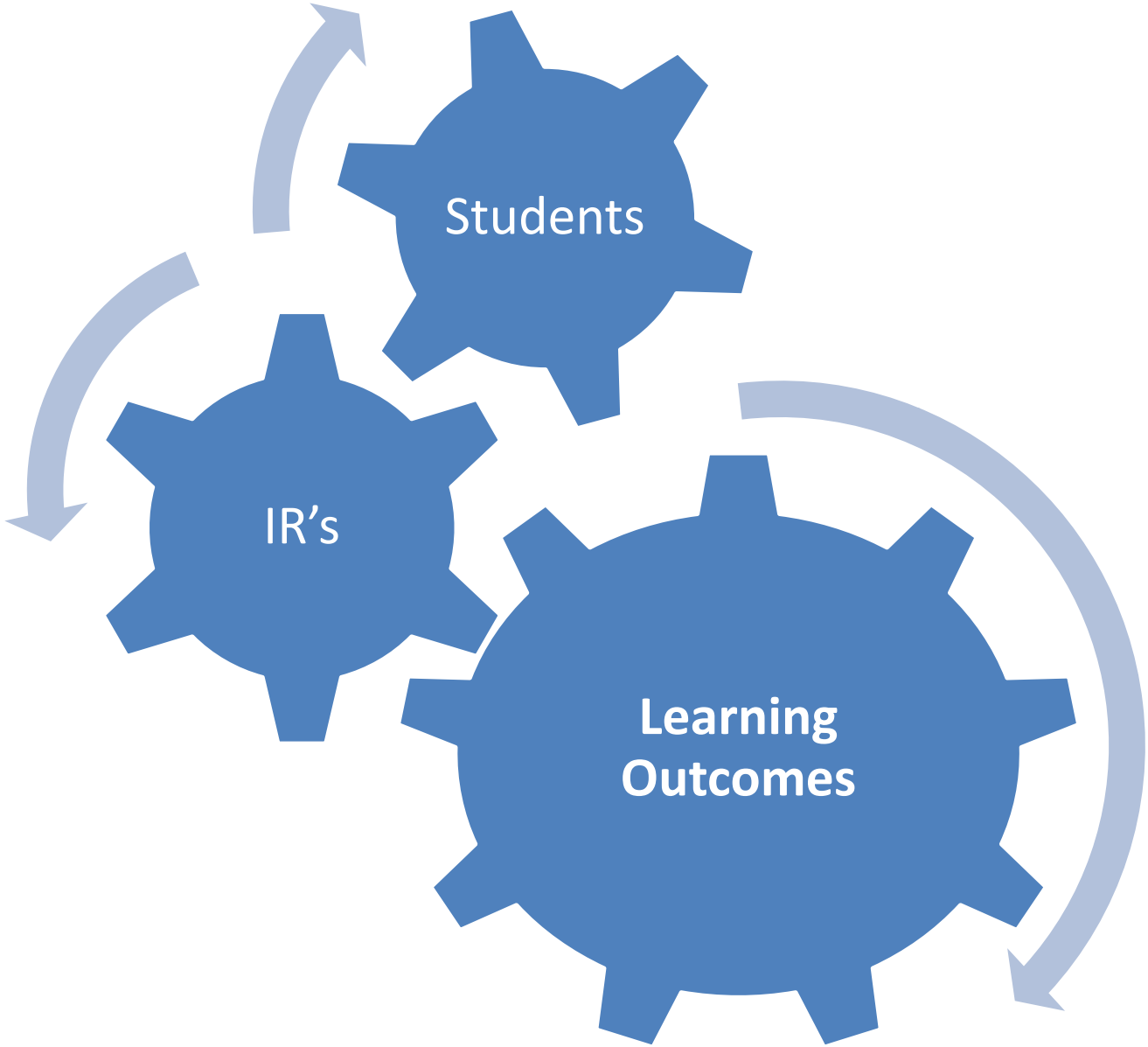
Research findings on learning outcomes

Learning gains reported by students who participated in summer undergraduate research experiences

Lopatto, D. (2004). Survey of Undergraduate Research Experiences (SURE): First Findings. Cell Biology Education, 3, 270-277.

Learning Outcomes (SURE)

- Understanding of the research process
- Skill in interpretation of results
- Ability to analyze data
- Understanding how knowledge is constructed
- Becoming part of the learning community
- Understanding primary literature
- Assertions require supporting evidence
- Understanding how scientists think
- Self-confidence
- Skill in science writing
- Learning ethical conduct (lowest mean score)

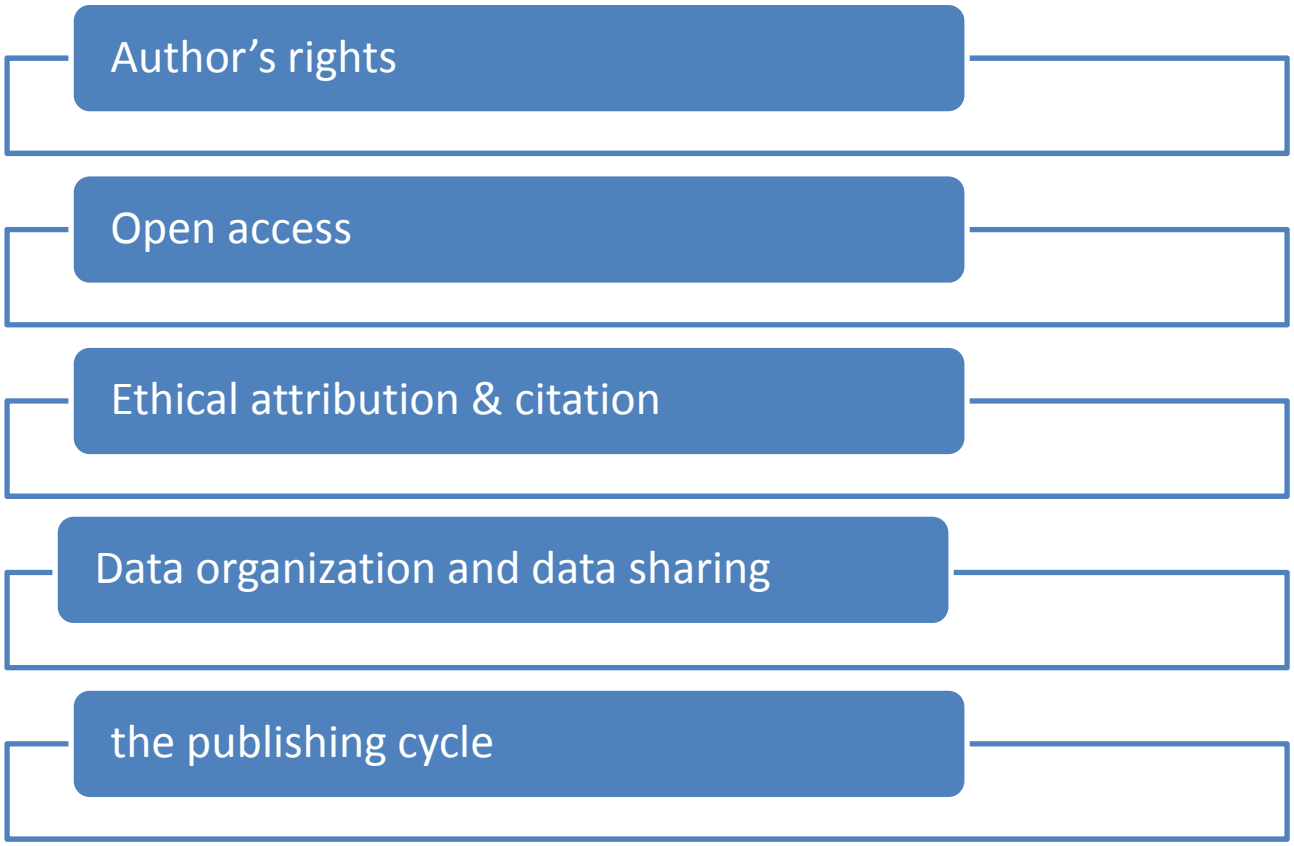

Students
IR's
Learning Outcomes

Scholarly Communication Competencies

- Economic
  - Power of the publishing industry
  - The academic publishing process & the life cycle of information
- Legal
  - Author's rights
  - Intellectual property
  - Copyright
- Social
  - Collaboration & global sharing
  - Open access
- Ethical
  - Plagiarism
  - Attribution and citation of sources
- Intellectual
  - Peer review process
  - Evaluation
  - Data management
- Cultural
  - Community

STUDENT LEARNING OUTCOMES							
	Economic	Legal	Social	Ethical	Intellectual	Cultural	
Award-winning papers		x	x				
Research conferences		x	x	x		x	
Electronic theses/diss.	x	x	x	x	x	x	
Journal publishing	x	x	x	x	x	x	
Data management	x	x	x	x	x	x	

ETD's


Author's rights
Open access
Ethical attribution & citation
Data organization and data sharing
the publishing cycle

Journal Publishing

Economic

- Students are aware of the cost of information and the role of different stakeholders in the academic publishing process (the relationship of the traditional publishing cycle and academic reputation

Legal

- Students can define the concept and components of author's rights and understand through real world experiences how it applies to their own work and careers as researchers.
- Students are familiar with copyright and intellectual property protections and restrictions and their impact on research.

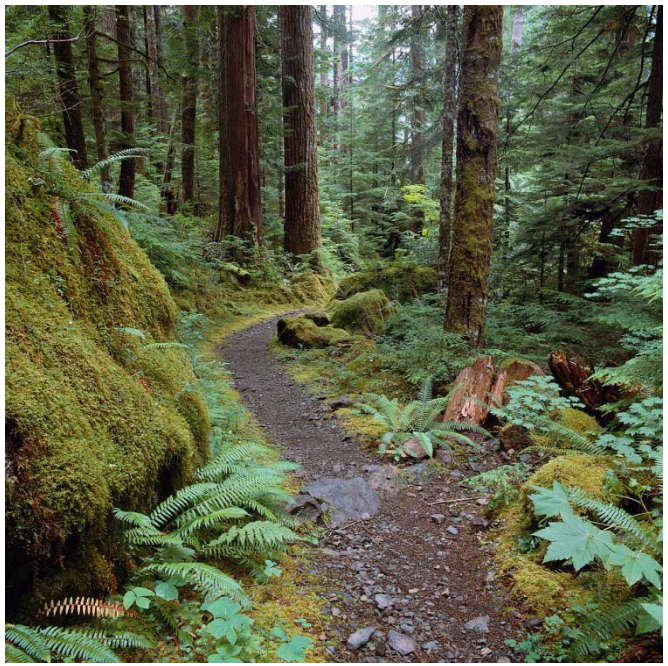
Social

- Students recognize the necessity and value of sharing and collaboration for the advancement of research, within disciplines, across disciplines and other boundaries.
- Students understand that making research freely available through open access increases discovery and does not diminish academic reputation and recognition.

The publishing process as a threshold concept

- Transformative
- Irreversible
- Integrative
- Bounded
- Troublesome

Meyer & Land, 2003



What are the challenges on the scholarly path?

The Researchers of Tomorrow

JISC/British Library study on the research behavior of Generation Y doctoral students (June 2012)

"**Open access and copyright** appear to be a source of confusion, rather than encouraging innovation and collaborative research."

"Despite their evident reluctance to share their research outputs, overall the doctoral students endorsed in principle the benefits of greater openness and sharing."

Concerns about publishing through open access channels:

- Lack of impact factor, status, or credibility
- Strong preference for peer-reviewed journals (but mistaken assumption that open access journals are not peer reviewed)
- Importance of being cited (but mistaken assumption that open access makes this impossible or difficult)
- Cost to individual researcher
- Concern that copyright is not protected in open access journals, that others can plagiarize

Few Gen Y doctoral students “seemed as yet to be aware of or to be using institutional repositories to make their research outputs available.”

Open access & sharing

- Institutions mandating deposit of dissertations in open access IR's.

Copyright concerns & traditions of scholarly reputation & publishing

- Faculty and doctoral students imposing embargoes on open access

Open Access: Perish not Publish?

"Do Open Access Electronic Theses and Dissertations Diminish Publishing Opportunities in the Social Sciences and Humanities? Findings from a 2011 Survey of Academic Publishers"

Marisa L. Ramirez, Joan T. Dalton, Gail McMillan, Max Read, & Nancy H. Seamans

College & Research Libraries, July 2013

American Historical Association Policy statement:

Universities to give Ph.D. recipients the option to extend embargoes on their dissertations for as many as six years.

IR's as a powerful tool in the transformation of students to scholars

- Move students from users of information to creators of knowledge
- Move students to the other side of the research process

What can universities and colleges do to facilitate this transformation?

- What do faculty need to know and do?
- What is the role of librarians?
- How does the organizational structure and academic culture support the values of scholarship?
- How do we bring together information literacy and scholarly communication?
- How can we develop and redesign curricula from the first year through graduate school to include SC issues such as authorship, open access, copyright, and use of content?

What does Digital Commons offer?

- Ease of use
- Elegance in format
- Discoverability
- Fostering of interdisciplinary approaches
- A platform for collaborative work
- Resources & tools for practitioners
- A community of practice

DIGITALCOMMONS®
Successful, Sustainable Institutional Repositories