

# Understanding Scholarly Communication: Tools to Help Graduate Students Publish.

**Susanne Clement**

Utah State University, <http://www.cnr.usu.edu/quinney/>

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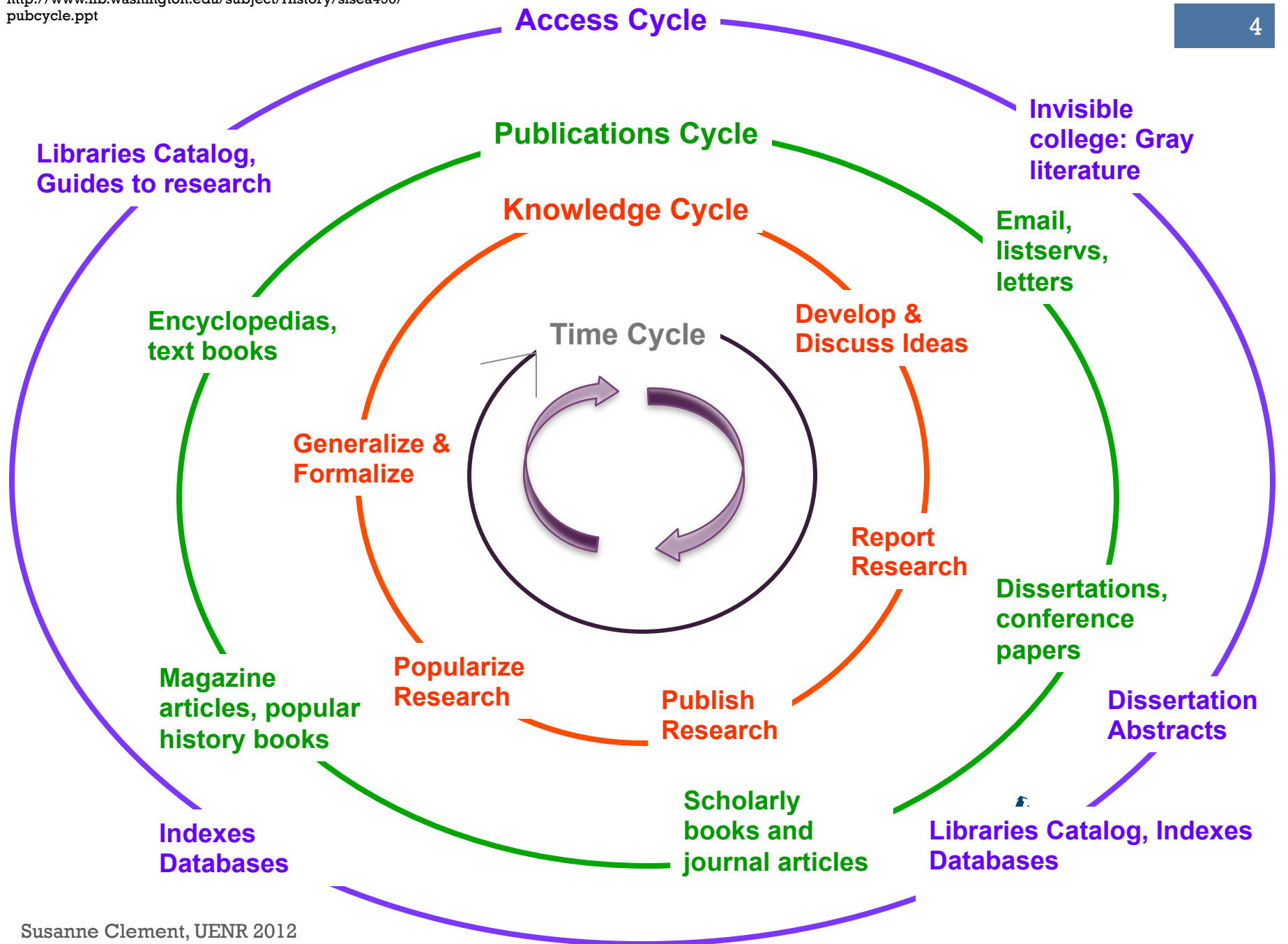
# Overview

- Class objectives.
- Scholarly communication cycle.
- Locating additional publications in which to published.
- Why we talk about impact.
- Alternative modes of publishing.
- Copyright education.
- Did they learn?

# Class Objectives

- The purpose of the course is to:
  - prepare students to write professionally in the field of environment and society
  - actually have to do it.
- Course length and grading
- Readings, lectures and discussions
- Writing portfolio

[http://works.bepress.com/charles\\_romesburg/1/](http://works.bepress.com/charles_romesburg/1/)



## ■ Academic and Professional Societies

### ■ Ecological Society of America

■ <http://www.esa.org/>

## ■ Professional Organizations/Associations

### ■ Society for Range Management

■ <http://www.rangelands.org/>

## ■ Commercial publisher

■ <http://www.wiley.com/WileyCDA/>

■ <http://www.elsevier.com>

## ■ Topical Interest Groups

■ <http://www.sierraclub.org/>

## ■ Trade publications

■ <http://www.fieldandstream.com/>



Major Discipline: \_\_\_\_\_

Sub-discipline(s): \_\_\_\_\_

**1. Main Societies (academic and professional)**

Name of Society	Journal(s) or other publications (use * to indicate title(s) that are part of membership)

**2. Additional/Related Societies (academic and professional)**

Name of Society	Journal(s) or other publications (use * to indicate title(s) that are part of membership)

**3. Main Publications** (Ranked. Includes: society\*, commercial publisher\*\* and professional/other publications\*\*\*)

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**4. Additional/Related Publications** ((Ranked. Includes: society\*, commercial publisher\*\* and professional/other publications\*\*\*)

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**5. Main Conferences**

Conference/Organized by:	Type of programs	Proposal deadline

\*Papers, panel discussions, posters, etc.

**6. Additional/Related Conferences**

Conference/Organized by:	Type of programs	Proposal deadline

\*Papers, panel discussions, posters, etc.

**7. List-servs**

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**8. Repositories (preliminary or final research)**

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# Where to Publish?

## Locating journals and other periodicals

- Web of Science
- JCR (Journal Citation Reports)
- Ulrichsweb: Global Serials Directory
  - 300,000 periodicals
  - Academic and scholarly journals, e-journals, peer-reviewed titles, popular magazines, newspapers, newsletters, and more.
  - Covers more than 900 subject areas
  - Abstracting & indexing coverage



# Why impact and how is it measured?

## Traditional and newer sources

- Journal Citation Report
  - Impact Factor
  - Half-life
- Eigenfactor
  - Impact factor
  - Article influence
- Scimago (Elsevier SCOPUS)
  - Rank indicator
  - H - Index
- MESUR
  - Impact AND usage

## Also

- Google Scholar
- EBSCO





Measurement	Major feature	Issues
<u>Journal Citation Report</u>	Impact Factor  Half-life	<ul style="list-style-type: none"> <li>• Oldest method of measuring impact through citations only</li> <li>• Good for science</li> <li>• Too much emphasis on the numbers by academics</li> </ul>
<u>Eigenfactor</u>	Impact factor  Article influence	<ul style="list-style-type: none"> <li>• Based on JCR</li> <li>• Measure impact to scientific community</li> <li>• Self-citations excluded</li> <li>• Includes cost-effectiveness (based on price of the journal)</li> </ul>
<u>Scimago (Elsevier SCOPUS)</u>	Rank indicator  H - Index	<ul style="list-style-type: none"> <li>• Includes articles, reviews and conference papers</li> <li>• Measures international collaboration</li> <li>• Uses h-index to measure productivity as well as impact</li> <li>• Also includes JCR number (cites/doc (2y))</li> </ul>
<u>MESUR</u>	Impact  Usage	<ul style="list-style-type: none"> <li>• Still in development</li> <li>• Graphic representation of scholarly communication</li> <li>• Measures impact as well as usage</li> <li>• Uses interactive graphical representation of data</li> </ul>

# Submission and Contracts

- From the editor's perspective (following directions)
- Know what you sign
- Interpreting contract language
- What can you do with your published research (copyright issues)

# Publishing Alternatives

## ■ Open Access

- Author fees to purchase access
- DOAJ (Directory of Open Access Journals)  
<http://www.doaj.org/>

## ■ Institutional Repositories (IR)

- Institutional mandate or policy
- SPARC addendum <http://www.arl.org/sparc/>
- Sherpa/Romeo <http://www.sherpa.ac.uk/romeo/>

# Open access and impact:

## Public Library of Science

- **Publication Fees for PLoS Journals (2010)**
  - *PLoS Biology* US\$2900
    - [impact factor 12.9: highest in biology]
  - *PLoS Medicine* US\$2900
    - [impact factor 13.05: 6<sup>th</sup> highest in medicine, general internal]
  - *PLoS Computational Biology* US\$2250
    - [impact factor 5.75: 7<sup>th</sup> highest in biochemical research method]
  - *PLoS Genetics* US\$2250
    - [impact factor 9.53: 10<sup>th</sup> highest genetics & heredity]
  - *PLoS Pathogens* US\$2250
    - [impact factor 8.98: 7<sup>th</sup> highest in microbiology]
  - *PLoS ONE* US\$1350
    - [impact factor 4.35: 10<sup>th</sup> highest biology]
  - *PLoS Neglected Tropical Diseases* US\$2250
    - [impact factor 4.69: highest in tropical medicine]

<http://www.plos.org/index.php>

# Copyright

## As an author

- Know what you sign
  - Copyright
  - Publishing and Distribution
  - Indemnity
  - Republication?
  - Institutional repository
- Record keeping

## As a teacher

- Know what, how and where you can use copyrighted material
  - Face-to-face vs. online
  - Course Management Systems

# Gauge Your Risk

High Risk

Some Risk

Low Risk



- Scan Entire Book
- Post to open web
- Mass email to your class

- E-reserves · Black Board
- Screening Movies
- Fair Use · Streaming Media
- Scholarly Sharing

- Licensed Use
- Request Permission
- Classroom Exemption

# Did they learn?

## Pre-test & Post-test

Student	Pre-test (90 pts)	Post test (90 pts)
Student 1	27.50	75.50
Student 2	35.00	na
Student 3	30.00	82.50
Student 4	37.50	87.50
Student 5	40.00	90.00
Student 6	12.50	85.00
Student 7	42.50	85.00
Average score (pts)	32.14	84.25
% Correct	35.71	93.61

Points	As in:
0	No I have no idea.
2.5	Mostly no I have heard of this but cannot recall details.
5	Maybe I have heard of this and have a vague idea.
7.5	Some right I know something about this and can recall a few of the ideas/concepts correctly.
10	All right I know this and can tell you about it.



# Susanne Clement

[susanne.clement@usu.edu](mailto:susanne.clement@usu.edu)

<http://www.cnr.usu.edu/quinney/>

