Open Access, Open Data, & Open Ed Updates

RDS brown bag talk | March 18, 2015

About Us

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Open Access

[Doug Way]

What is Open Access?

Open-access (OA) literature is digital, online, free of charge, and free of most copyright and licensing restrictions.

- ❏ Access
- ❏ Reuse

What Open Access is Not

- ❏ Vanity Publishing

- ❏ Lower Quality

- ❏ Always Expensive for Authors

- ❏ Free to Produce

Lots of Flavors

Green

Gold

Hybrid

https://www.flickr.com/photos/roboppy/7779204510/sizes/l

What's Happening Today?

New Areas

- ❏ Humanities
- ❏ Monographs

What's Happening Today?

New ways to address quality concerns

- ❏ Developing legitimate tools to evaluate
  - ❏ "Beyond Beall's List"
    - ❏ http://crln.acrl.org/content/76/3/132.full
  - ❏ Revision of DOAJ Standards

What's Happening Today?

Mandates and Policies

- ❏ Public Access Policy
  - ❏ OSTP
- ❏ Funder Mandates
- ❏ Institutional Policies

Where to Learn More...

Open Access by Peter Suber

bit.ly/oa-book

Access PDF, HTML, ePub and Mobi versions

SPARC

http://sparc.arl.org

Where to Learn More...

Scholarly Communications @ Duke

❏ http://blogs.library.duke.edu/scholcomm/

SPARC Blog

❏ http://sparc.arl.org/blog

Scholarly Kitchen

❏ http://scholarlykitchen.sspnet.org/

[Brianna Marshall]

OPEN DATA

OpenCon 2014

Definition

"Open means **anyone** can **freely access, use, modify, and share** for **any purpose** (subject, at most, to requirements that preserve provenance and openness)."

-The Open Definition (http://opendefinition.org/)

CAVEAT: Some data isn't meant to be shared openly (human subjects, national security, etc.)

5 ★ Open Data

by Tim Berners-Lee | http://5stardata.info
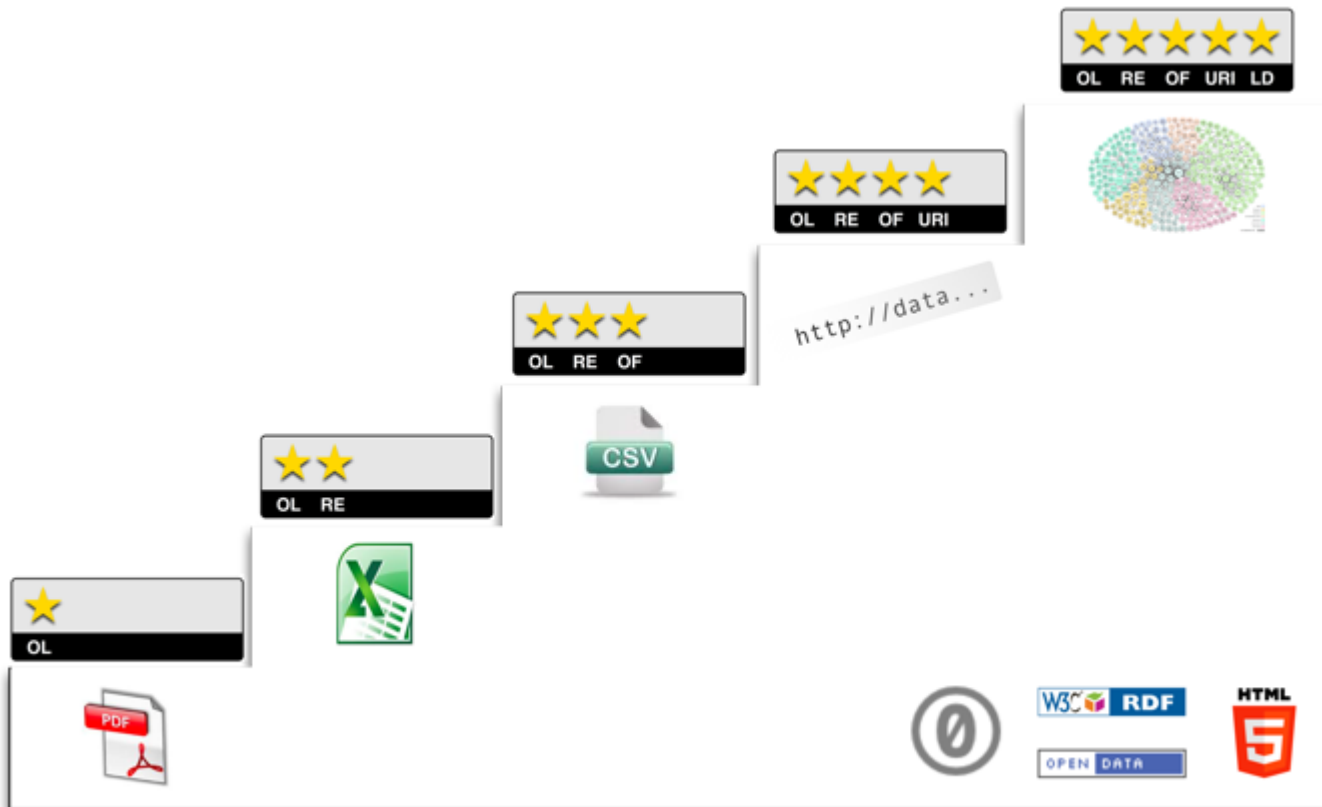
Why It Matters

Data and code are the building blocks of scholarship!

- Data is NOT copyrightable
- Often the result of public funding
- Prompts quicker breakthroughs and advancements
- There's a proven citation advantage*
- Reproducibility is key

*Piwowar HA, Vision TJ. (2013) Data reuse and the open data citation advantage. PeerJ 1:e175 https://dx.doi.org/10.7717/peerj.175

Retraction Watch

Bearly believable: Water bear paper retracted for missing lab notebooks

without comments

Tardigrades, the most hardy animals on or off planet Earth, can survive boiling, freezing, and even the ravages of outer space.

Unfortunately, some data on water bears' memories proved to be less long-lasting, earning a retraction for a George Mason University researcher who also published the paper without alerting her co-workers ahead of time.

Here's the notice for "Suspended animation: effects on short-term and long-term positive associative memory in *Hypsibius dujardini,*"which first appeared in *Invertebrate Neuroscience*:

Image via Wikimedia Commons

> An investigation carried out by George Mason University revealed that the author could not produce any original laboratory notebooks or electronic copies of any of the data reported in this article. Hence, the validity of the results could not be verified and the suspicion of data fabrication could not be cleared. Moreover, the manuscript was submitted without knowledge of the author's co-workers. The author has now retracted the article in line with the request of the author's university and in consent with the Editors-in-Chief.

First author Alexandra Rosser, who starved tardigrades to see if it would affect their recall, was at George Mason until September 2012, according to her LinkedIn profile. The tardigrade paper was retracted in May 2013, and is no longer available online. Rosser, who goes by Sasha, is now a PhD student at University of Wisconsin-Madison.

We've contacted both Rosser and her principal investigator at George Mason, and will report back with anything we learn.
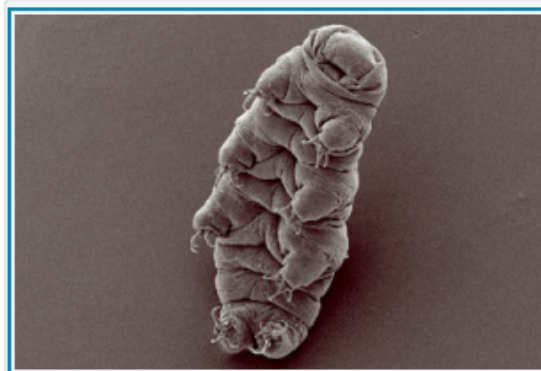
Barriers to Open Data

- New(ish), without incentive from academia yet.
- It can be time consuming.
- Nobody wants to get scooped.
- Concern about mistakes or misinterpretation.
- Platforms for opening up data haven't always been available… though we're starting to get there.

Sharing + Publication
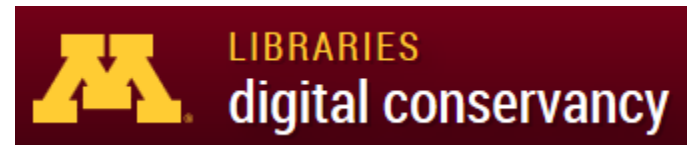
Recent Updates

Things are heating up!

- Federal funding requirements
- Private funders (e.g. Bill Gates Foundation)
- SPARC's Open Data Sharing Initiative

Learn More

- SPARC

- Open Knowledge Foundation

- OpenCon

Twitter: @rmounce, @petermurrayrust, @rdmpage, @recology_, @rufuspollock, @ekansa … and more!

Learn More

Open Glossary - http://tinyurl.com/opendefinitions

The State of Open Research Data. Ross Mounce. http://www.slideshare.net/RightToResearch/open-con-mouncedata-41594350

Open Educational Resources

[Jim Jonas]

Definition

"Open Educational Resources are educational materials and resources **offered freely and openly** for anyone to use and under some licenses to **re-mix, improve and redistribute**."

- Marilyn Billings, UMass-Amherst

open education conference

eTexts: *Adopt, Remix, Create*

- DoIT Academic Technology
  - Digital formats
  - eText design
- Libraries
  - Resource Discovery
  - Copyright/Fair Use
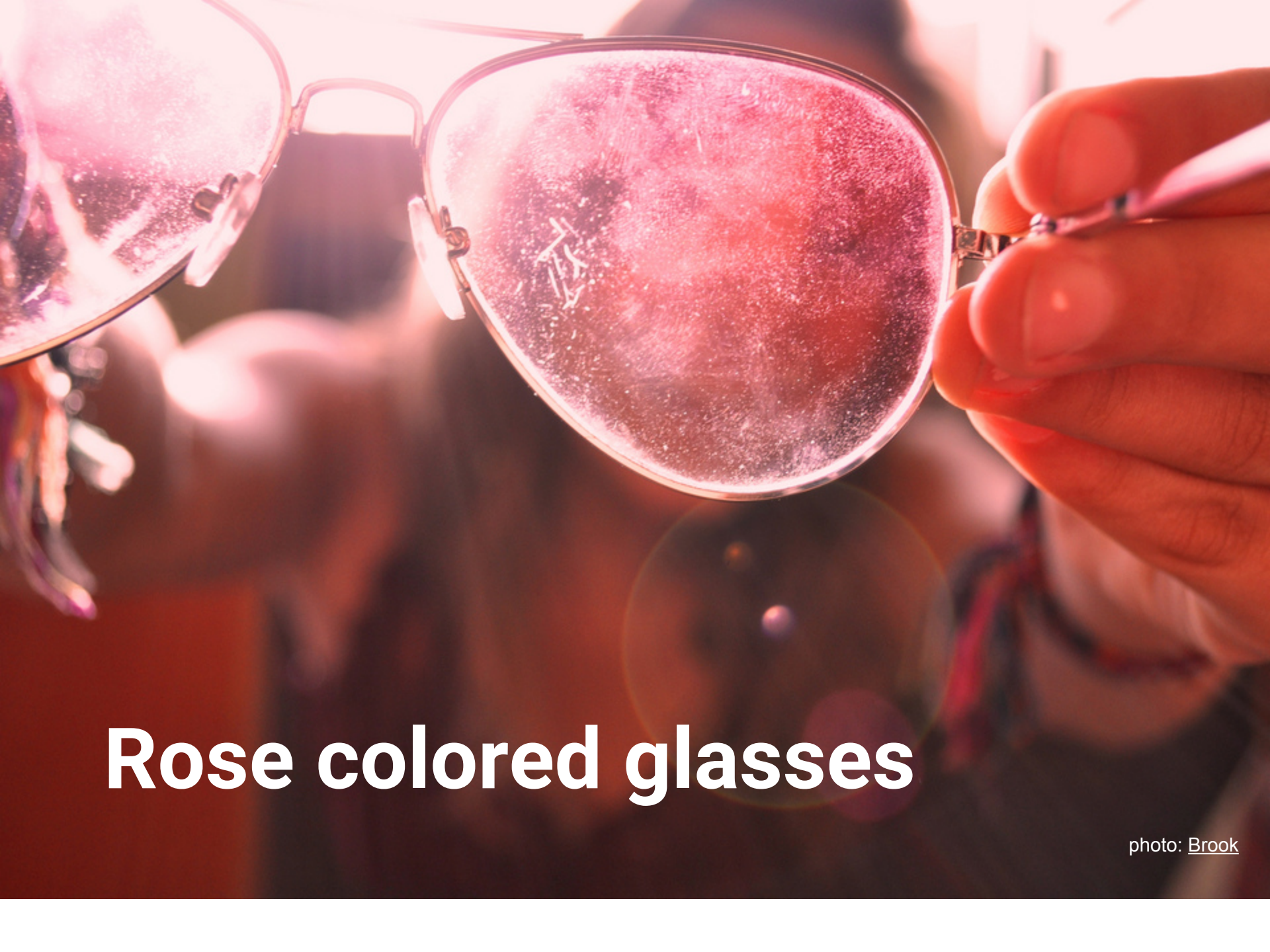- 8 pilot courses

Adopt

Photo: Kitsunekko

Remix

Create

Rose colored glasses

Difficulties/Barriers

- Time
- Money
- Information environment
- Technology

Why OER Matter

Big Picture

- Increased access
- Decreased cost
- Instructor flexibility

UW-Madison

- Blended Learning
- Educational Innovation
- Accessibility

Resources/Communities

- OER Commons
- Openstax CNX - Rice University
- Open Textbook Library - U of Minnesota
- Merlot II
- Open Education Conference
- OK Cast

Connections

[Carrie Nelson]

What's Special About This Info?

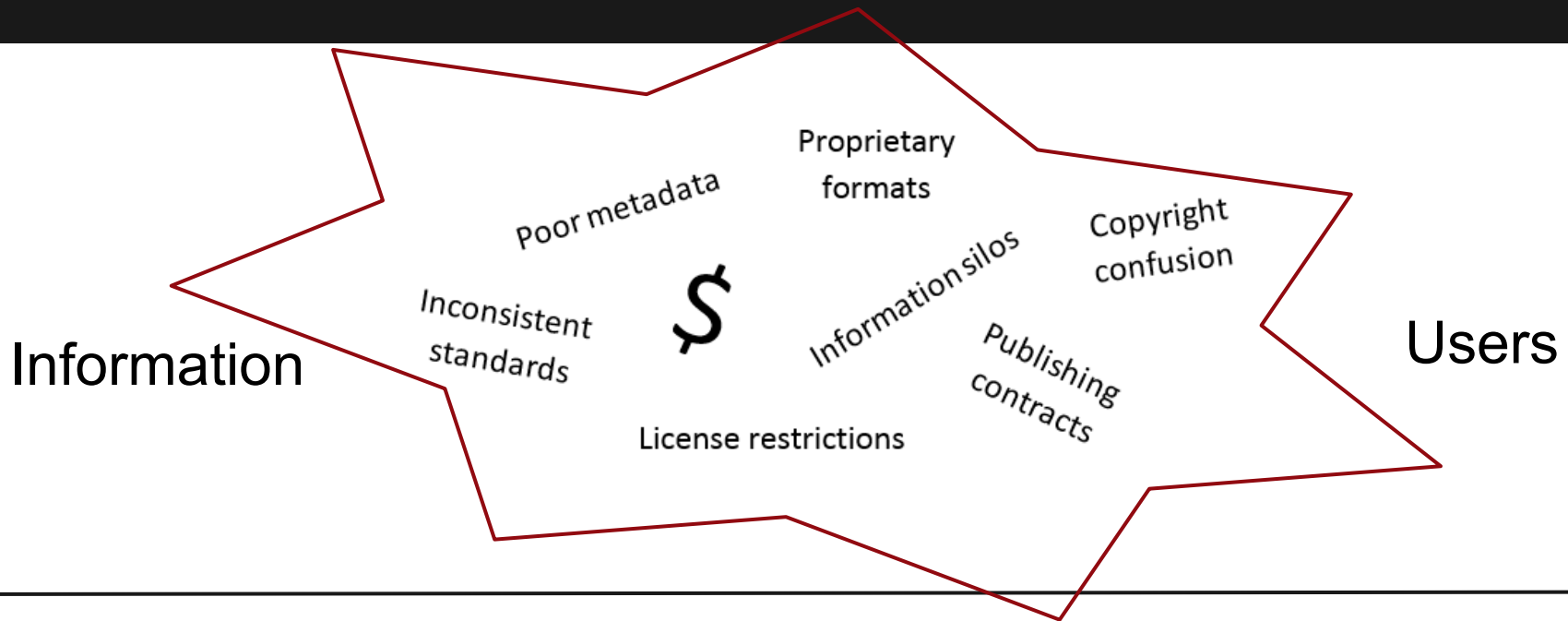- "non-rivalrous"
- motivations of creators
- broad benefit

What Can We Do?

Information   Refine   Peer review   Edit   Format   Market   Distribute   Find   Access   Use   Users

Remove Barriers

Information

Proprietary formats

Poor metadata

Copyright confusion

Inconsistent standards

$

Information silos

Publishing contracts

License restrictions

Users

Encourage models and systems that minimize barriers
- ○ stay informed
- ○ be creative
- ○ collaborate

Discussion

What else is happening--
    on campus?
    more broadly?

How can we--
    stay informed?
    be creative?
    collaborate?

http://schoolofopen.p2pu.org/

Get in Touch

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Thank You!

Adapt this presentation as needed!

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