Science 2.0: the view from LERU (League of European Research Universities)

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What is Open Scholarship?

- Open Scholarship/Science 2.0 is a new framework for doing research
- ‘Science 2.0’ in English excludes Arts, Humanities & Social Sciences
- Needs a name change?
- Open Scholarship, rather than Science 2.0?
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Open Access to publications

- Benefits for researchers
  - Authors gain increased visibility
  - Literature now used as data
  - This visibility and usage are new – in a subscription world, subscriptions are a barrier to access
  - Many lower-income countries report access to the literature as a barrier – despite efforts by commercial publishers
  - University’s Mission is to create Knowledge and share it
All APCs

3,137 APCs processed since April 2013
RCUK: 1,362   Wellcome: 590   UCL Gold: 1,185
Finally, we calculated the overall costs and savings to a UK university (actually, the average of the four universities in the sample for this study) of Gold and Green Open Access adopted either worldwide or unilaterally by that university. The results are presented in Chart 23.

Chart 23: Cost savings to universities of OA alternatives with worldwide and unilateral adoption (calculated using an average of the sample of the four UK universities in this study)

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LERU Roadmap for Research Data

- Overseen by Research Data Working Group

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Stefan Gradmann (University of Leuven)
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Key Messages

- Each LERU university needs a Research Data Management Strategy
- Researchers should have Research Data Management Plans
- LERU universities need to bring stakeholders together
- Benefits of ‘open data’ for sharing and re-use should be advocated and explored
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Other Tools and Services

- Described in separate paper submitted with Science 2.0 Consultation
- Issues still to be tied down
- Alternative modes of peer review
  - Which?
  - Post publication peer review, with named reviewers?
    - Not popular with academics
Other Tools and Services

- **Metrics**
  - DORA – San Francisco Declaration on Research Evaluation
    - UCL has agreed to sign
  - Altmetrics
    - Not widely understood by academic researchers

- **Citizen Science**
  - Examples in LERU universities exist
    - Will it work in all subject areas?
Metrics and Altmetrics

- San Francisco Declaration on Research Assessment (DORA)
  - see [http://am.ascb.org/dora/](http://am.ascb.org/dora/)
  - Not many universities have signed
  - DORA rejects Journal impact factor as a mark of quality

- U-Multirank not welcomed throughout Europe, certainly not in the UK

- Altmetrics seen as a generalization of [article level metrics](http://am.ascb.org/dora/), alternative to the widely used journal [impact factor](http://am.ascb.org/dora/) and personal citation indices like the [h-index](http://am.ascb.org/dora/)
  - Too early for alternative approaches to win widespread support
Citizen Science

- There are many examples of crowdsourcing
- City of Barcelona has created Citizen Science Office
- Collaboration of the universities and their researchers

Santa Maria Del Mar, Barcelona
Writings of Jeremy Bentham

- Jeremy Bentham, nineteenth century utilitarian philosopher
- Main collection at UCL
- Bentham MSS being digitised
  - See http://blogs.ucl.ac.uk/translate-bentham/
- 11,140 MSS transcribed by volunteer help from across the world (17/10/14)
Next Steps

- Open Scholarship is a new feature of the research landscape
- LERU embraces
  - New means of dissemination
  - Increased importance for research data
- Implications of other tools and services need more thought
- Change is a process, not an event

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