The cultural change demanded by Open Science of institutions

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Content

- Open Science – What is it?
- Cultural Change
- Examples of change
  - Publications
  - Research Data
  - Bibliometrics
- Next steps
European Commission: Open Science Policy Platform – 8 pillars of Open Science

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LERU has produced an Open Science Roadmap for universities


41 Recommendations
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Plaster Relief by John Flaxman, Flaxman Gallery, UCL
Cultural Change

4 Enablers

1. Leadership, Vision and Strategy
2. Develop targeted measures
3. Implement via transparency, accountability and monitoring
4. Trust and confidence in a shared vision between all parties
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- Change current publishing model for Hybrid publishing
- Alternative Publishing Platforms
- Green Open Access repositories, meeting certain strict criteria
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3. Green Open Access repositories, meeting certain strict criteria
## Benefits of an OA University Press

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1.8 million downloads since June 2015

UCL Press downloads

229 countries
Megajournal platform, UCL Open, launched 31 January 2019

- **UCL Open: Environment** - [https://ucl-about.sciencetopen.com/](https://ucl-about.sciencetopen.com/)
- Inter-disciplinary and cross-disciplinary content
- Fast turn-around times being planned
Our Aims for a UCL Press Megajournal

- Rapid publication
- Innovative open peer review
- Interdisciplinary collaboration
- Reduced administration
- Inclusive publishing
European Commission: Open Science Policy Platform – 8 pillars of Open Science

- Future of Scholarly Communication
- EOSC (European Open Science Cloud)
- FAIR Data
- Skills
- Research Integrity
- Rewards
- Altmetrics
- Citizen Science
UCL Research Data Repository

- UCL Research Data is FAIR
  - Findable
  - Accessible
  - Interoperable
  - Reusable

- UCL Research Data repository

- UCL’s interface with EOSC
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Culture of Research Metrics in research organisations: HEFCE survey (2017)

- 14 questions
- 96 responses
  - 68 organisations named themselves
- 72 responses were from HE providers
- See [http://discovery.ucl.ac.uk/10043164](http://discovery.ucl.ac.uk/10043164)

- Large response rate showed this is a topic many bodies are considering
- Cultural change is needed to deliver new forms of evaluation
- Institutions see a need for guidance
- There is a wish for UK institutions to be aligned with the principles of international statements
Q1 DOES YOUR RESEARCH ORGANISATION HAVE A RESEARCH METRICS POLICY?

- **NO**: 75
  - 53 Named institutions

- **YES - STANDALONE**: 6
  - 7 Named institutions

- **YES - PART OF A WIDER POLICY**: 11
  - 7 Named institutions

- **NO ANSWER**: 1
  - 1 Named institution
Q2 HAS YOUR RESEARCH ORGANISATION SIGNED DORA?

- Yes: 21 (17 Named institutions)
- No: 75 (51 Named institutions)
Q5 IS YOUR RESEARCH ORGANISATION CONSIDERING SIGNING DORA?

<table>
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<th>Option</th>
<th>Number of Institutions</th>
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<td>We are considering signing DORA</td>
<td>31</td>
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<tr>
<td>We are not considering signing DORA</td>
<td>31</td>
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<tr>
<td>Decided not to proceed</td>
<td>12</td>
</tr>
<tr>
<td>No answer</td>
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24 Named institutions are considering signing DORA.
17 Named institutions are not considering signing DORA.
11 Named institutions have decided not to proceed.
16 Named institutions have no answer.
Question 6 asked for reasons for signing/not signing DORA. A wide range of answers was given and no particular reason predominated in the answers:

- The Dean of my school is metric and spreadsheet crazy
- The level to which we use metrics within the organisation has been such that we did not feel the culture we have necessitated signing DORA
- DORA is strongly supported by senior staff leading research.
- Not regarded as a key concern at this time.
- At initial discussions, we did not wish to sign up without being able to fully implement the necessary changes as they deserved more than just lip service.

In discussion with current DORA signatories, the overwhelming response from institutions was that they viewed both DORA and the Leiden Manifesto as a statement of intent, aiming for a culture where they were complying, whilst knowing that it would be a journey before they fully (if ever) met those principles. With this in mind, we are now revisiting DORA as a statement of principle to aspire to.

- Signed as part of LERU in 2015
‘Altmetrics’

- Universities should have Bibliometrics Policy grounded in DORA and Leiden Manifesto
- Future is to compile Best Practice for individual universities to embrace
- Use new forms of research evaluation in appointment/appraisal/promotions processes
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LERU model for delivering Open Science for institutions

- Cultural Change
- Leadership
- Priority Actions

Inspiration
Information
Integration

Helix for institutions supporting Open Science to be launched

- Community of Open Science supporters about to be launched, led by UCL
- 3-day Workshop on Open Science being held in Geneva 19-21 June 2019
- Registration open at https://indico.cern.ch/event/786048/
So, now…

- Over to you…
- How do European universities make this a reality?

UCL Student Centre, run by UCL Library Services
Opened 18/2/19