Open Science – a blueprint for the university in the 21st century?

Dr Paul Ayris
Pro-Vice-Provost (UCL Library Services & UCL Office for Open Science and Scholarship)

E-mail: p.ayris@ucl.ac.uk
Twitter: @ucylpay
Content

- Open Science – a view from LERU
- Future of Scholarly Publishing
- DORA and career frameworks
- Next Steps

Plaster Relief by John Flaxman, Flaxman Gallery, UCL
European Commission: Open Science Policy Platform – 8 pillars of Open Science

<table>
<thead>
<tr>
<th>Future of Scholarly Communication</th>
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<tr>
<td>EOSC (European Open Science Cloud)</td>
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<td>FAIR Data</td>
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<td>Education &amp; Skills</td>
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<td>Research Integrity</td>
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<td>Rewards</td>
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<td>Next Generation Metrics</td>
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<td>Citizen Science</td>
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Activities planned in all areas for 2020-21
Bespoke publishing platforms

- Rapid publication
- Innovative open peer review
- Interdisciplinary collaboration
- Reduced administration
- Inclusive publishing
Statistics

Explore download statistics for UCL Press books. For more information on how we collect and record our data, click here.

Total Access 4,187,722
Countries and Territories Reached 244
Print unit sales total 22,639
Published Titles 185

Use & Impact

4 million+

Global Reach

244 countries
UCL Press offers publishing services

- Dublin City University is the first university to buy publishing services from UCL
- All outputs to be branded as Dublin City University Press
- All enquiries welcomed
- [https://www.uclpress.co.uk/](https://www.uclpress.co.uk/)
Megajournal platform, *UCL Open*, launched 31 January 2019

- UCL Open: Environment - [https://ucl-about.scienceopen.com/](https://ucl-about.scienceopen.com/)
- Inter-disciplinary and cross-disciplinary content
- Fast turn-around times being planned
Next-Generation Metrics

- UCL Bibliometrics Policy signed off on 27 Feb. 2020
- 3 years in the development
- Aligned with DORA and Leiden Manifesto
- Discourages the use of Journal Impact Factors as a surrogate for Quality
- Identifies that H-Index discriminates against Early Career Researchers who have taken a family break
Next-Generation Metrics

- Policy identifies 11 principles on the successful use of metrics, with copious guidance.
- Numerical metrics are simply an *adjunct* to the academic assessment of a research output through reading it.
- China has (Feb. 2020) announced that this is to be its official policy for research evaluation/reward going forward.

[Link](https://www.universityworldnews.com/post.php?story=20200226122508451)
Next-Generation metrics being implemented in UCL HR procedures

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<tr>
<th>No.</th>
<th>HR process / policy</th>
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<tbody>
<tr>
<td>1</td>
<td>Researcher induction</td>
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<td>2</td>
<td>Academic Promotions Policy</td>
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<td>3</td>
<td>Academic appointments to UCL</td>
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<td>4</td>
<td>Alignment of HR reporting on appointments with requirements of Wellcome Trust</td>
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<td>5</td>
<td>Appraisals</td>
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<td>6</td>
<td>Review of HR policies</td>
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Conclusion

- Open Science is a blueprint for the university of the 21st century
- Benefits are obvious
- Challenges are not easy to address
- Universities have to make a choice
- Leadership is essential to effect cultural change

- Over to you to decide...
Bibliography of LERU publications