

# Open Science – a blueprint for the university in the 21<sup>st</sup> century?

Dr Paul Ayris

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

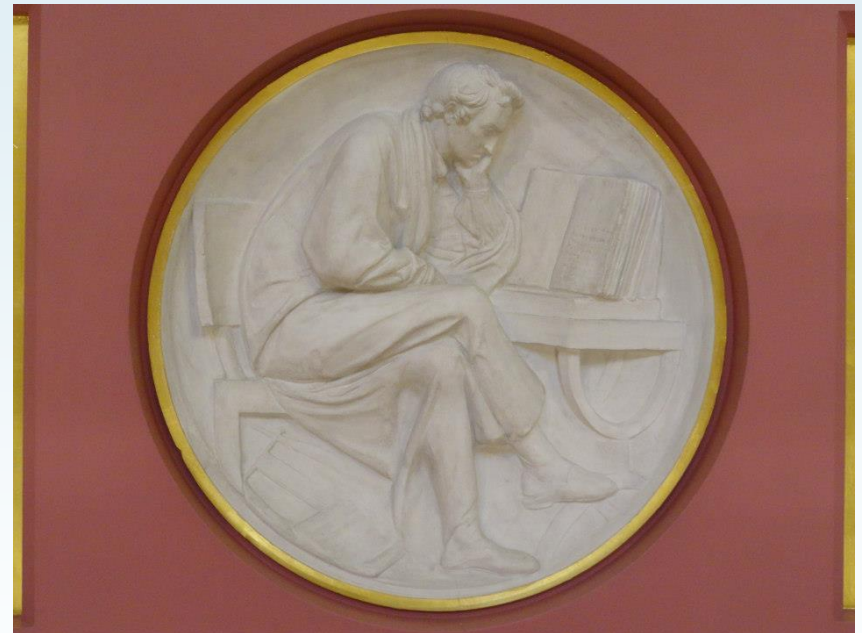
E-mail: [p.ayris@ucl.ac.uk](mailto:p.ayris@ucl.ac.uk)

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

Future of Scholarly Communication

EOSC (European Open Science Cloud)

FAIR Data

Education & Skills

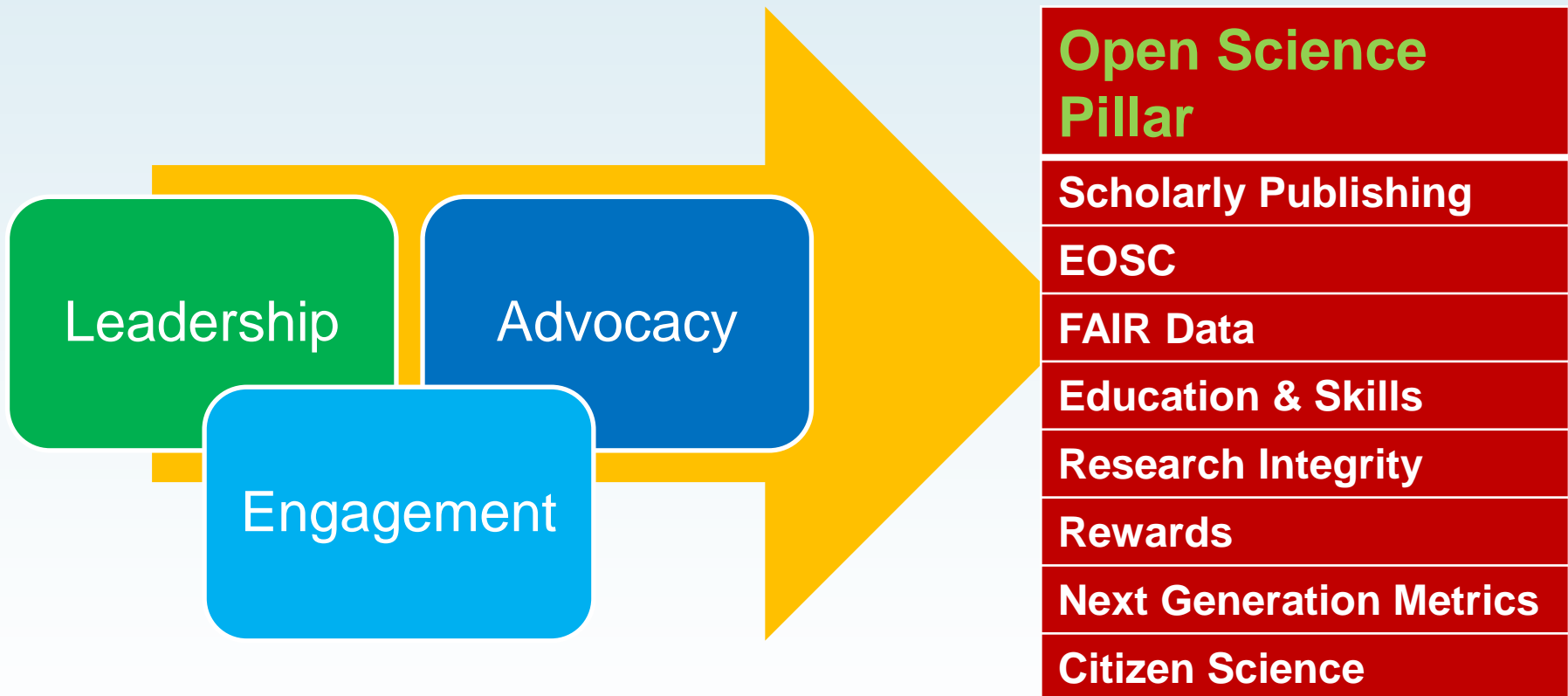
Research Integrity

Rewards

Next Generation Metrics

Citizen Science

# UCL Open Science Office



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

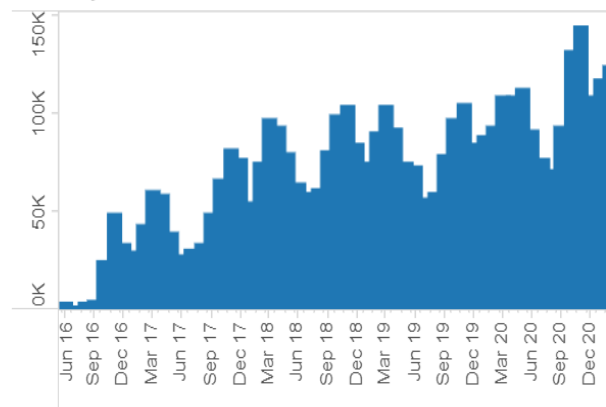
**185**

Please Choose a Title or Select All

(All)

Global Reach

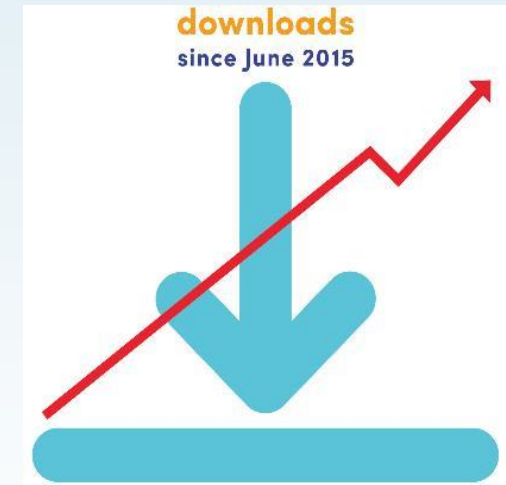
Monthly Access



 **UCL**  
PRESS

## Use & Impact

**4 million+**



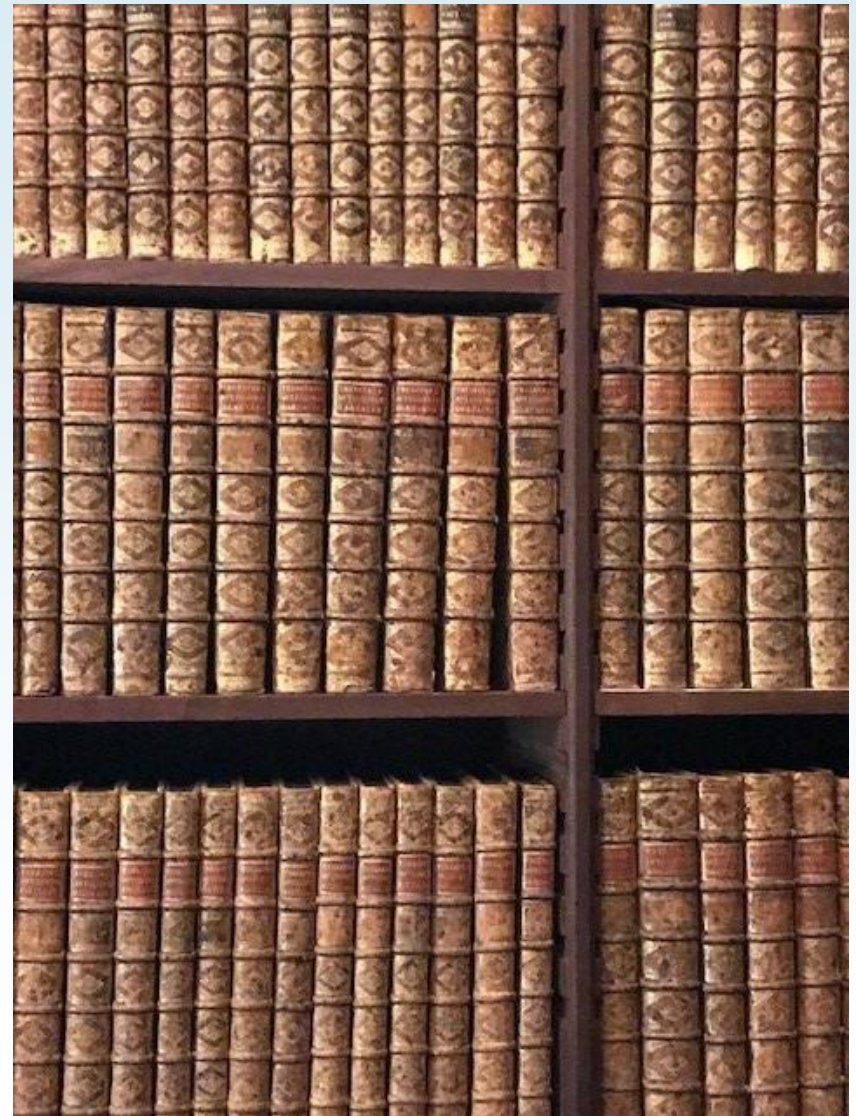
**244**  
**countries**

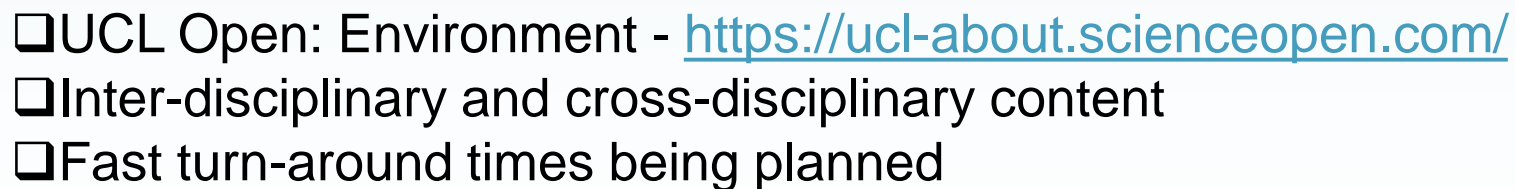


## UCL Press offers publishing services



- ☐ 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/>



[illegible]



## 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
  - ❑ <https://www.universityworldnews.com/post.php?story=20200226122508451>

A blue speech bubble with a tail pointing to the right, containing the text 'UCL reactions' in white.

UCL  
reactions

A blue speech bubble with a tail pointing to the right, containing the text 'Fabulous' in white.

'Fabulous'

A blue speech bubble with a tail pointing to the right, containing the text 'Sector-leading' in white.

'Sector-leading'

## Next-Generation metrics being implemented in UCL HR procedures

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

## Conclusion

- ☐ Open Science **is** a blueprint for the university of the 21<sup>st</sup> 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

- Open Access (2011) - <https://www.leru.org/publications/the-leru-roadmap-towards-open-access>
- Research Data (2013) - <https://www.leru.org/publications/leru-roadmap-for-research-data>
- Open Science (2018) - <https://www.leru.org/publications/open-science-and-its-role-in-universities-a-roadmap-for-cultural-change>
- Implementing Open Science (2021) - <https://www.leru.org/publications/implementing-open-science>

## Open Science and its role in universities: a roadmap for cultural change

 Year of publication:	May 2018
 Type of paper:	Advice paper
 Author(s):	<ul style="list-style-type: none"><li>➤ Paul Ayris (University College London)</li><li>➤ Alea López de San Román (LERU Office)</li><li>➤ Katrien Maes (LERU Office)</li></ul> <a href="#">+ See all</a>

