

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

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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

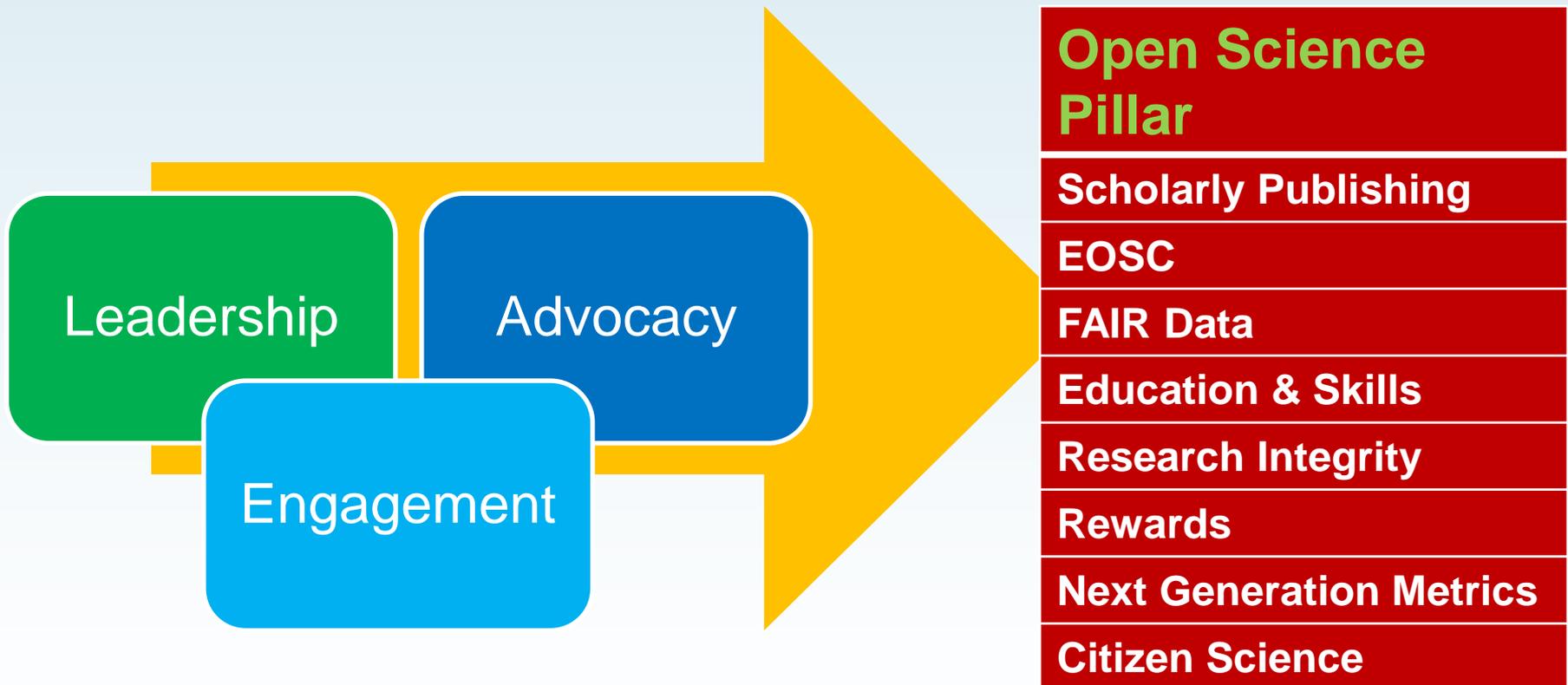
Research Integrity

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

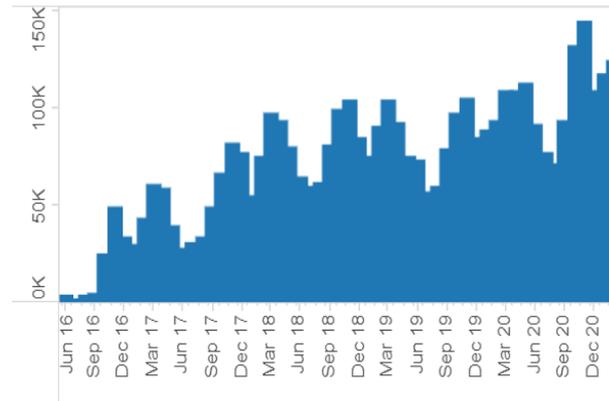
Published Titles

185

Please Choose a Title or Select All

(All)

Monthly Access



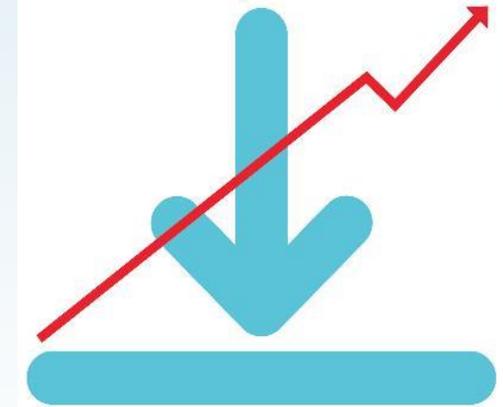
Global Reach



Use & Impact

4 million+

downloads
since June 2015

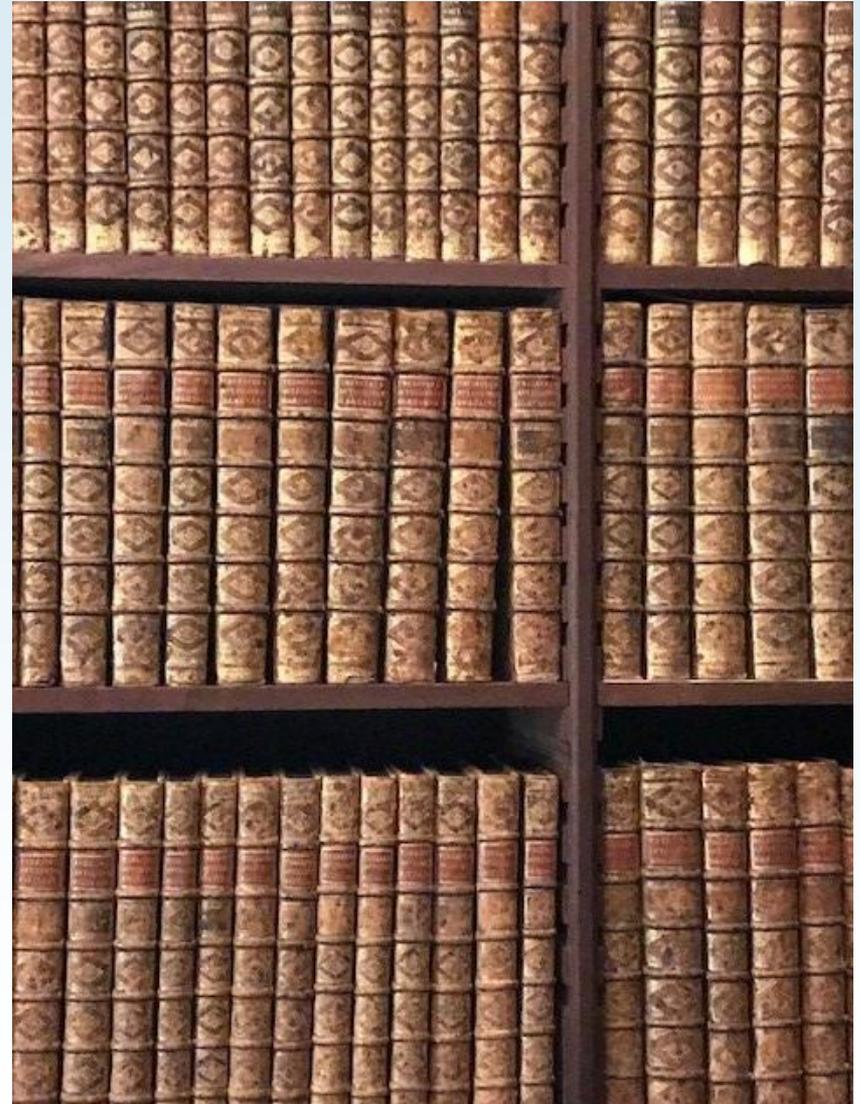


244
countries

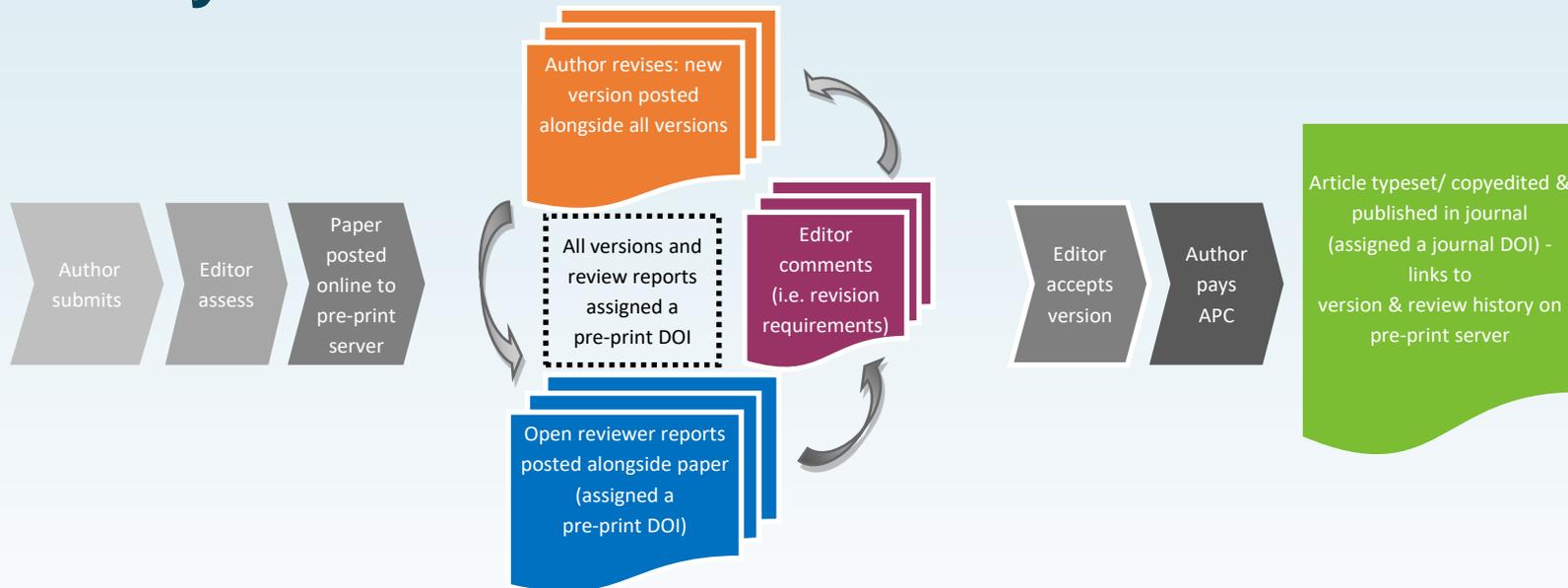
UCL Press offers publishing services



- 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/>



Megajournal platform, *UCL Open*, launched 31 January 2019



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



UCL
reactions

‘Fabulous’

‘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 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

- 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">➤ Paul Ayris (University College London)➤ Alea López de San Román (LERU Office)➤ Katrien Maes (LERU Office) + See all

