Leading the Change to Open Science in European Universities

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Content

- LERU Roadmap
- Infrastructures
  - UCL Press
  - UCL Research Data Repository (RDR)
  - UCL Open Educational Resources
- Rewards and Evaluation
- Next Steps
  - Building the Open Science community
  - UCL Open Science Office
- Conclusion

Plaster Relief by John Flaxman, Flaxman Gallery, UCL
LERU has produced an Open Science Roadmap for universities


41 Recommendations
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
- Altmetrics
- Citizen Science
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Alternative Publishing Platforms

2.5 million downloads since June 2015

UCL Press downloads
233 countries
since June 2015
Most-downloaded books (Sept 19)

- **How the World Changed Social Media**
  - 351,575 downloads since March 2016

- **Social Media in Industrial China**
  - 104,028 downloads since Sept 2016

- **Brexit and Beyond**
  - Rethinking the Futures of Europe
  - 81,733 downloads since January 2018

- **Textbook of Plastic & Reconstructive Surgery**
  - 71,552 downloads since August 2016

- **Social Media in an English Village**
  - 67,125 downloads since March 2016
Research Data – a new currency

- UCL RDR (Research Data repository)

Graphic from: H2020 Online Manual
http://ec.europa.eu/research/participants/docs/h2020-funding-guide/cross-cutting-issues/open-access-data-management/open-access_en.htm
Also, to date (1 May 2019), UCL has delivered 10 courses via MOOC platform offered by FutureLearn
- Including dementias, urban planning, education, & surgical practice
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Take-home message

It will be impossible to implement Open Science harmoniously without a large, significant and determined consensus on new ways to evaluate research and researchers.
San Francisco Declaration on Research Assessment; Leiden Manifesto

- Don’t use Numerical Values like Journal Impact Factors as a surrogate for academic quality
- Too many academic papers to read for appointments? Ask for best 5 to be submitted & read them
- Use bibliometrics only as an *adjunct* to qualitative assessment
- Base assessment of individual researchers on a qualitative judgement of their portfolio
Rewards

- Insert Open Science principles into career frameworks
- Develop institutional policies for rewarding Open Science
- Apply to appointment, promotion and appraisal procedures
  - UCL has included openness into its new academic promotions framework
  - [https://www.ucl.ac.uk/human-resources/sites/human-resources/files/ucl-130418.pdf](https://www.ucl.ac.uk/human-resources/sites/human-resources/files/ucl-130418.pdf)
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Building the community

- OAI meetings in Geneva every 2 years
  - [https://indico.cern.ch/event/786048/](https://indico.cern.ch/event/786048/)

- Workshops delivered at your door

- Open Science Crowd Helix – for partnerships and project bids

- E-mail [opencience@crowdhelix.com](mailto:opencience@crowdhelix.com) to join
UCL Open Science Office (planned)

Activities planned in all areas for 2019-20
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Conclusion

- Open Science is good for Research
- It is also good for Education
- Open Science can drive change
- UCL sees Open Science as an opportunity, not a threat

UCL Student Centre, opened 18/2/19