



LERU and Open Science

About LERU



- Network of 23 Research-intensive universities in Europe
- Topics: European Research Area, Open Science, Horizon 2020, FP9 and Erasmus+
- 30 Groups (policy, themes, network, etc)
- Governing body: Rectors' Assembly



The LERU universities are:



- University of Amsterdam
- Universitat de Barcelona
- University of Cambridge
- University of Copenhagen
- Trinity College Dublin
- University of Edinburgh
- University of Freiburg
- Université de Genève
- Universität Heidelberg
- University of Helsinki
- Universiteit Leiden
- KU Leuven
- Imperial College London
- University College London
- Lund University
- University of Milan
- Ludwig-Maximilians-Universität München
- University of Oxford
- Sorbonne University
- Université Paris-Sud
- University of Strasbourg
- Utrecht University
- University of Zurich

Information & Open Access Group



- Roadmap towards Open Access (2011)
- Roadmap for Research Data (2013)
- Chair:
Paul Ayris (UCL)



Holistic policy agenda: Scope & ambitions by 2020

Use & management of research results and data

- ✓ Open Data: FAIR data sharing is the default for funding scientific research
- ✓ European Open Science Cloud: All EU researchers are able to deposit, access and analyse European scientific data through the open science cloud, without leaving their desk. DSM strategy.
- ✓ Altmetrics: Alternative metrics (next generation metrics) to complement conventional indicators for research quality and impact (e.g. Journal Impact Factors and citations)
- ✓ Future of scholarly communication: All peer reviewed scientific publications are freely accessible and early sharing of different kinds of research outputs is encouraged

Research actors (researchers, institutions and funders)

- ✓ Rewards: The European research career evaluation system fully acknowledges Open Science activities
- ✓ Research Integrity: All publicly funded research in the EU adheres to commonly agreed Open Science Standards of Research Integrity
- ✓ Education and skills: All young scientists in Europe have the necessary skills and support to apply Open Science research routines and practices
- ✓ Citizen Science: Citizens significantly contribute and are recognised as valid knowledge producers of European science

Advice Paper on Open Science by Paul Ayriss e.a.

- Future of Scholarly Publishing
- EOSC
- FAIR data
- Skills
- Research Integrity
- Rewards
- Responsible Use of Metrics
- Citizen Science



PUSHING
THE FRONTIERS
OF INNOVATIVE
RESEARCH

ADVICE PAPER
No.24 - MAY 2018

Open Science and
its role in universities:

A roadmap for cultural change

LERU's Roadmap



for institutions (1)

- Overall: approach open science as a cultural change with a programme, a champion and advocacy activities.
- Install a mandate, institutional roadmap, promote ORCID and consider new publishing platforms.
- Implement an RDM policy, support services and training; and facilitate research data discovery. Collaborate!
- Move to sign the EOSC Declaration over time.

LERU's Roadmap



for institutions (2)

- Integrate Open Science concepts, thinking, and its practical applications in educational and skills development.
- Integrate Open Science dimensions in HR and career frameworks.
- Develop a bibliometrics policy grounded in the principles of the Leiden Manifesto
- Have a research integrity code which embraces the principles of open science
- Recognise citizen science as an evolving set of research methods, as well as its societal and educational benefits.

LERU Supports Open Science *and* PlanS



31.05.2019

Leadership – the key to Open Science success



31.05.2019

Plan S – ‘The best way to predict your future is to create it’ (Abraham Lincoln)

LERU's Feedback on first version Guidelines PlanS (1)

- The **timescales** for implementing Plan S should be lengthened because of the legally binding multi-year contracts with publishers
- Active and engaged support of countries **outside of Europe** are key to ensuring its success.
- Be clear on **what constitutes a 'transformative deal'**.
- Plan S and the Plan S Guidance should give Gold OA journal and article publishing with APCs and new publishing platforms and/or Green Open Access repositories **equal attention**.
- The **demands placed on Green Open Access repositories** by Plan S are considerable; in the same spirit, funded publishers should be required to oblige to use ORCID.
- Engage with academic body and **Learned Societies**.

LERU's Feedback on first version Guidelines PlanS (2)

- Researchers need clarity on how the funding agencies behind Plan S will judge the **quality of research project applications** (for project proposals) and the quality of researchers (for grants).
- Universities need clarity on the impact that Plan S will have on **career progression**, particularly for Early Career Researchers
- Different approaches in **different subject communities** in different parts of the world would help deliver Plan S principles more effectively.
- An encouraging Next Step would be for the promoters of Plan S to undertake **further engagement with all stakeholders** and to work with them, proactively to deliver a plan for a global information commons, grounded in Open Access principles, which will effect a full transition to OA.

Leadership – the key to Open Science success

31.05.2019

- Based on the Advice Paper on Open Science
- Defines Open Science as a culture change, in which

“All stakeholders in the Open Science landscape need to play their part for it to succeed – researchers, educators, Professional Service staff, University leaders, research funding organizations, editors, publishers, and Learned Societies.”

LERU Open Science Action Planning (1)

All institutions:

- Appoint an Open Science Champion and install an OS Cttee
- Mandate ORCID use
- Review internal publication policies against HorizonEurope requirements
- Take action on the topic of Rewards & Incentives for researchers
- Compulsory Doctoral School education and skills development in Open Science
- Create an ad hoc Open Science Implementation Group

LERU Open Science Action Planning (2)

LERU:

- Adopt an Alternative Publishing Platforms Model for LERU members, and other universities, to establish alternative publishing platforms and to investigate how, through collaboration, costs could be lowered by being shared
- Create an ad hoc LERU Open Science Implementation Group

Ad Hoc LERU Implementation Group for Open Science

Chairs of the LERU Groups:

- INFO (Paul Ayriss, UCLondon, chair)
- Careers of Researchers (Bert Overleat, KU Leuven)
- Vice rectors Research (David Price, UCLondon)
- Research Integrity (Ton Hol, Utrecht)
- Doctoral Studies (David Bogle, UCLondon)
- Enterprise and Innovation (Koenraad Debackere, KU Leuven)
- Mireille van Eechoud, professor of Law, UvAmsterdam
- Kurt de Ketelaere, LERU Office
- Alain Smolders, LERU Office

Open Science Developments in the LERU Institutions

(as in other institutions..)

- Are often driven by national agenda's (or the lack of one)
- The pace and priorities is very different (Scandinavia, UK, Netherlands forerunners)
- The involvement of national governments and policy makers is varied
- The position of libraries on a national level varies



Open Access Strategies

- *LERU Roadmap Towards Open Access (2011)* found most universities favoured Green (because of the costs?)
- UK, Netherlands' strategies are mainly Gold OA.. but have recognized that only gold will not bring 100% OA
- Diverse degree of support for PlanS Research Funders in the different countries (Germany is not 'in' ...yet?)

The Netherlands: Five OA segments





Any questions?