



What Science? Getting the Rewards and Incentives Right

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Science in digital transition

- Re-inventing the scientific process?
- Is the system fit-for-purpose?

Science in society: a new reality?



Source: <https://thenorwichradical.com/2017/01/12/post-truth-politics-and-the-war-on-intellect/>

Some of the challenges

- Focus on 'stars' rather than collaboration
- Skewed perceptions of quality; reproducibility
- Publishing in a market where client is not the king
- Obsession with rankings
- Risk-averse research
- Hyper-publishing and hyper-authorship
- Fight for funding
- Gaming the system

Is open science the answer?

Improve the practice of R&I

- Openly accessible scholarly publications
- Early sharing of all research outputs
- Research data management and all data FAIR
- Reproducible results
- Societal engagement and responsibility

Develop proper enablers

- **Rewards & incentives** to adopt open science practices, with appropriate metrics
- Appropriate skills and education, including for research integrity
- Open research infrastructures including the European Open Science Cloud (EOSC)
- Legal and regulatory environment for data and copyright

Involving all the actors

Engaging internationally

Changing research culture

Has COVID-19 accelerated a long-term shift?

- Broad consensus that **Open Science accelerates scientific discovery** and that FAIR and open data can save lives
- **Some positive trends in Open Science practices' uptake:** e.g. early and fast share of results through increased use of preprints; publishers temporarily opening up some of their publications
- But **more action** will be necessary to make Open Science the “new normal”
 - Reforming the **research assessment system** to provide incentives and rewards
 - **Data infrastructures** inadequate for responding to a pandemic
 - **Publishing models** need to become more transparent and agile

You get what you reward

- Objective of the Commission: **facilitate and speed up reforms to research assessment**
- Towards a research assessment system that:
 - Promotes qualitative judgement with peer-review, supported by a more responsible use of quantitative indicators;
 - Considers the value and impact of a diversity of research outputs;
 - Incentivizes open collaboration and early knowledge and data sharing;
 - Rewards the diversity of tasks of researchers, and supports team science.
- Not a new objective but a new initiative
- Coherence between research and academic assessments necessary

Getting the consultation right

- The Commission is consulting research funders, research performers, policy makers, and other stakeholders, in order to best frame a European initiative
 - Meeting with 130 representatives (17-18 March 2021)
 - Close to 30 bilateral meetings with stakeholders (May-October)
 - Session organised in the R&I Days (24 June)
 - Stakeholders' Workshop of the ERA Conference (27 October)
 - Participation in several workshops and meetings organised by stakeholders
- Consultation of EU Member States and Associated Countries
 - Meeting in March with National Points of Reference on Scientific Information
 - Input from the Triangle Task Force of ERAC
 - ERAC plenary meeting of 30 September
 - ERA Forum meeting of 8 October

Getting the European initiative right

- An **alliance** of funders, research performing organisations (including universities) and national evaluation agencies, willing to take the lead in reforming the current research assessment system
 - Agreement on **principles** and **actions** between funders and performers;
 - Building on DORA and other declarations;
 - **Committing signatories to act** according to a roadmap for delivery;
 - **Joint ownership** of the initiative by the participating organisations;
 - **Monitoring** of progress.

Next steps

- Finalise the **consultations**, publish a **report**, and organise a **meeting with stakeholders** (8 December 2021).
- Translate the agreed rationale, principles and actions, into a **draft Memorandum of Understanding**, and introduce a timetable for reforms.
 - Draft MoU will be presented to the ERA Forum once available
- **Political announcement** of the initiative at an event of the French Presidency on 4 & 5 February 2022.
- **Roll out** the initiative during 2022.

Thank you



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Distribute all forms of dissemination across the research lifecycle and reward it!



Open Research Europe



- What is Open Research Europe?
 - A peer-reviewed publishing platform. Not a repository. Post-publication peer-review model. Publication and review reports open access under CC BY licenses
- Why Open Research Europe?
 - Support our open access policy and beneficiary capacity to adhere to it and also enables publishing post-grant
 - Leading by example in operationalising open science principles within scientific publishing and enabling the European Research Area
 - Contribute to transparency and cost-effectiveness and explore sustainable open access publishing business models

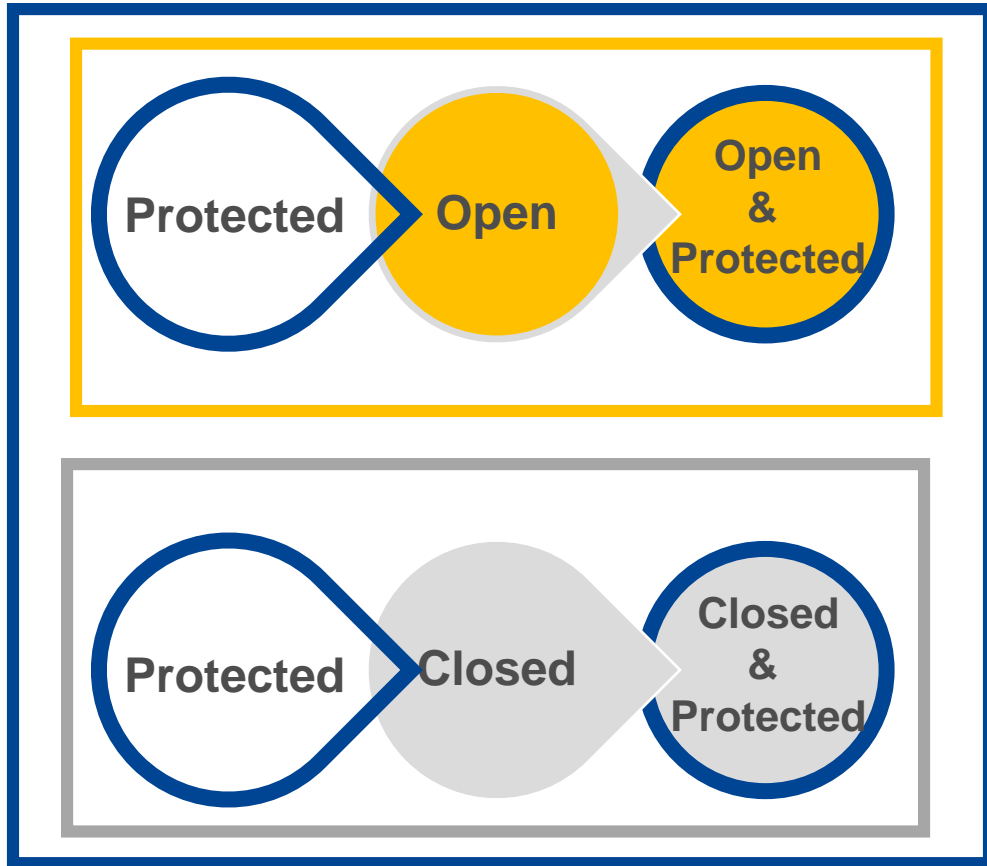


As open as possible,
as closed as necessary

Making open does not mean leaving unprotected

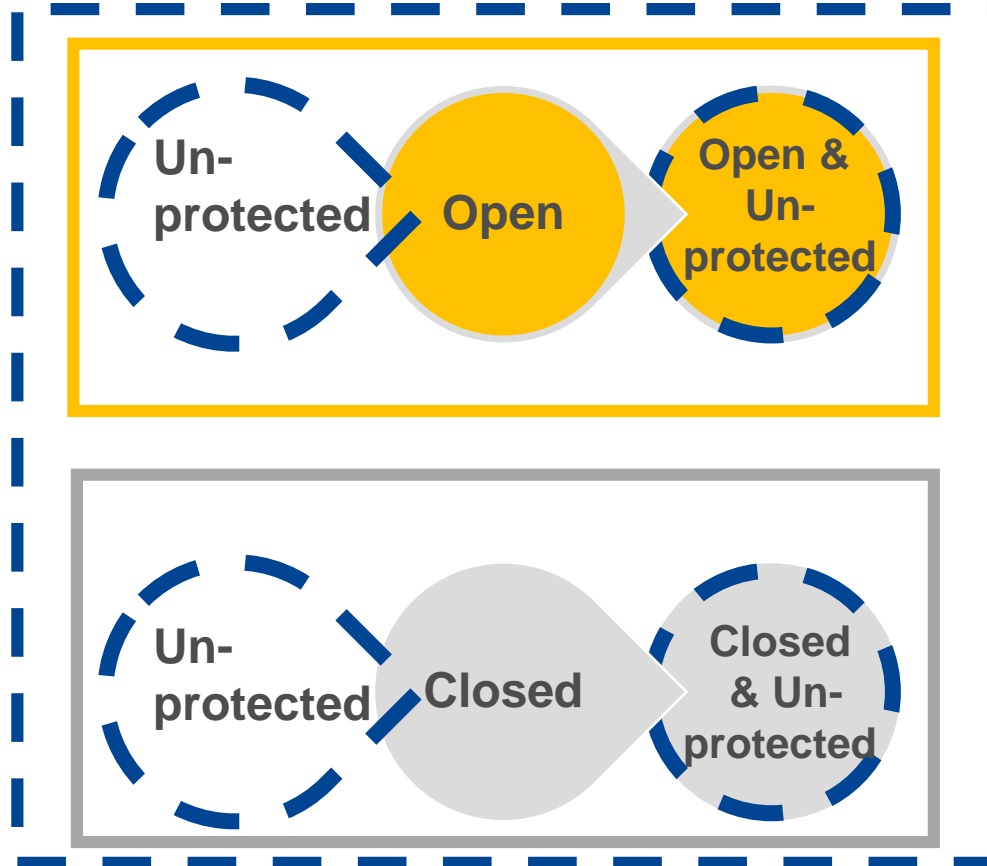
Data protected or not, open or closed

Case 1 e.g. dataset OA under a CC BY



Case 3 e.g. dataset kept closed

Case 2 e.g. raw data OA, or dataset OA under CC0



Case 4 e.g. raw data kept closed