

National Initiatives for Open Science in Europe

Rewards and Incentives for supporting ORDM and FAIR

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- There is a **lack of open research data**;
- **The results of previously conducted research cannot be used** for further analysis, so there is an insufficient return on public investment in science;
- The crisis of reproducibility of scientific research prevents the repetition of research from confirming or challenging already published results, **undermining the trust into scientific communication and science in general**;
- The peer-review process is also often unreliable and we are witnessing an **increasing number of retractions of scientific papers**;
- The predominant but inadequate assessment of the quality of research output is based on quantitative data such as the number of papers, number of citations and/or prestige of the journal in which the paper was published – **pressure for publishing** is a major cause of compromised research integrity and the emergence of ethical issues;
- There is a **lack of communication** between **scientists** and the **public**, the **business** sector and the whole **society**.

Where to intervene?

- Enforcement of ORDM and FAIR through **policies**
- **Assessment** and **promotion criteria** on all levels
- Support for data **infrastructure**
- Increasing **skills**, **capacity** and **awareness**
- Enforcement of **ethics** and **research integrity**
- Providing **support** and fostering **collaboration**
- Proper **dataset attribution**, **citing** and **metrics**
- Use of **certification** schemes
- Use of **research infrastructures**
- Improving **publishers' practices**

Who's involved?



researchers



institutions



policymakers



publishers



libraries



funders

Thanks!



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