Responsible Open Science in Europe

RE/RI issues in OS and early ROSiE findings

Rosemarie Bernabe | professor of medical research ethics, University of South-Eastern NOrway

This project has received funding from the European Union’s Horizon 2020 research and innovation programme under GA No 101006430
Exacerbation of risks and new forms of malpractice

Most powerful players have most to gain in OS in terms of access to data and OS tools.
Data mining and the requirements of OS to make data accessible could increase the risk of breaching the privacy of even the “anonymized” research participants.

IC issues – understatement of “openness” risks

Risks of proliferation, manipulation and hoarding of personal data -- e.g., kinematic fingerprints
Tobacco companies and anti-climate change companies have been documented to call for more data for the purpose of making “undesirable results go away” by producing fake science.
New forms of biases associated with alternative metrics

Who’s saying what about your published work?

Knowing who’s talking about your research and what they’re saying is crucial in today’s increasingly online world. Ensuring your work is being accurately represented and interpreted, as well as getting to the right people at the right time, all plays an important factor its broader impact.
Predatory journals

Current Medical Research and Opinion

50 years of cutting-edge original research in drug development and healthcare innovation. CMRO offers accelerated publication.

Publish open access in this journal

Enter keywords, authors, DOI, ORCID etc

This journal

Advanced search

JOURNAL OF CURRENT MEDICAL RESEARCH AND OPINION

an Open Access Publication ISSN: (O) 2589-8779 | (P) 2589-8760

This project has received funding from the European Union's Horizon 2020 research and innovation programme under GA No 101006430
Responsible Open Science in Europe (ROSiE) project

This project has received funding from the European Union's Horizon 2020 research and innovation programme under GA No 101006430
To provide guidance and tools related to the RE/RI, legal, and social implications and challenges inherent in OS, thereby facilitating the integration of RE/RI as a structural component of OS in Europe.
This project has received funding from the European Union’s Horizon 2020 research and innovation programme under GA No 101006430.
Initial results: 
First WP6 Workshop

Led by Dr. Olivier le Gall (French National Research Institute for Agriculture, Food and Environment, INRAe) and 

Maud Medves (French High Council for Evaluation of Research and Higher Education, HCERES)
Focus was on research infrastructures, more specifically European Research Infrastructure Consortia (ERICs). The RE/RI/legal challenges and gaps they identified in their respective fields, the (types of) solutions they have implemented so far and their expectations of ROSiE and the form ROSiE’s outputs are to be funneled through the Knowledge Hub, the guidelines, the trainings, etc.
As an end-(re)user, how can I trust that the online data set which I am about to re-use is not the result of falsification or fabrication?
How can I trust that it has not been produced against ethical rules such as informed consent of questionable validity or breaches to animal welfare, among others?
• ERICs in particular, and other research infrastructures as well, feel that they have little or no power to force users to open up their collected data, and even more so in a responsible manner. This power lies in the hands of the institutions that employ researchers, and/or can only be enforced by national policies in each country.

• Research infrastructures are in a position to raise awareness, to facilitate and encourage data sharing, to offer training, and to elaborate guidelines and practical tools for this purpose

• Guidelines and training were believed to be essential, but they must be discipline-specific and/or area-specific
• Ethics and legal information platforms: research infrastructures reported difficulties to keep such platforms updated, especially with the diversity of member states’ legal regulations of intellectual property

• Elevated maintenance cost of such services

• Human resources, i.e., legal, ethics and other specialized competencies are challenging to hire
IC Challenges

• difficult for researchers to distinguish between (1) the legal basis for the processing of personal data and (2) the fundamental ethical requirement for research involving human subjects or participants -- nuanced by geographic heterogeneity of practices

• the need for a more dynamic interaction with the community – beyond templates and checkboxes

• IC, assent and children in a digital setting
For updates and interests in the Stakeholder Forum and Cross-SwafS Community of practice:

https://rosie-project.eu/
Thank you!

This project has received funding from the European Union’s Horizon 2020 research and innovation programme under GA No 101006430