Burden & Compliance in the United States

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Researcher Burden in the United States

- US Federal Funding – Grant workflows

  - Paper/PDF forms for proposal & reporting requirements
  - No integration with sources of information
    - Appointments/Affiliations
    - Publications
    - Outcomes
    - Datasets
  - Funding independent of publication workflow

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NOW: Data Management & Sharing Policies

- National Institutes of Health ($45 Billion R&D budget)
- Requirements for deposit of articles & datasets: possibly multiple repositories

COMING: OSTP "Nelson memo"

- Public Access to the results of research
- Expansion of access policies to all US federal agencies that fund R&D
- End of allowed 12-month embargo period for articles
- Requirement that associated data be available upon publication
- Implementation in 2025-26

26 Federal grant making agencies

- Possibility of many sets of rules that overlap/conflict

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Research Security & Undue Foreign Influence

Protecting researchers' work = attribution in the data

Monitoring collaborations expressed in the data

Disclosing collaborations via forms that require information on appointments, affiliations, scholarly output

Efforts to reduce burden

Tools (SciENcv) to reuse data from ORCID to generate proposal forms

Inclusion of ORCID in agency and institutional grant management systems

Leveraging US federal requirements to encourage ORCID members to write to records

PIDs = FAIR, linking outputs, people and organizations (from DMP to grant to publications/datasets)

Benefits

Reduced administrative burden over time	Automated form generation for proposals Clear guidance for sponsor requirement variances Information stored for re-use
Compliance with data management & sharing policies	Monitor connections via PIDs from DMP to grant closeout
Progress to open/public access	Understanding how institution meets requirements and goals
Use of PIDs has implications across Research ROI activities	Use of core facilities beyond billing Mapping collaborations Understanding the reach & impact of a project