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Research360: Data in the Research Lifecycle

Data is an important product of research that should, as far as possible, be accessible for re-use. This requires key stakeholders from across the institution to develop mechanisms that enable data management throughout the research lifecycle.

**Funder mandates**
EPSRC require institutions to comply with their expectations for research data management by 2015. Most major funding councils have similar expectations of the research they fund.

**Open access & research impact**
The government expect publically funded research data to be as accessible as possible. Researchers can receive credit for publishing research data outputs via data citation.

**Drivers**
- **Support and training**
  - Help with funding proposals - data management plans
  - Workshops in Researcher Development Unit
  - Guidelines for data storage
  - Focal website for all RDM resources

  - Advocacy
  - Develop new policies clarifying roles & responsibilities
  - Long term strategic plan
  - Identify the benefits of managing data
  - Ensure communication between different stakeholders

- **ACTIVITES**
  - Researchers receive credit for re-use of published data
  - Institutional template for the DMP Online tool
  - Clarify potential for data sharing in new contracts
  - Expand use of Virtual Research Environments e.g. Sakai
  - Assign metadata at the point of data production

  - Mandate data access statements in published papers
  - Expand CERIF fields to include research data
  - Assign datasets persistent identifiers (e.g. DOIs)
  - Encourage use of metadata standards to enable interoperability

- **STAKEHOLDERS**
  - Researchers
  - Collaborators
  - Library
  - Publishers
  - Computing Services
  - Research Support

  - Plan & Design
    - Discover & Reuse
    - Collect & Capture
    - Interpret & Analyse
    - Manage & Preserve
    - Release & Publish

  - Institution
  - Research Support
  - Funding bodies
  - Researchers
  - Collaborators
  - Library
  - Publishers
  - Computing Services
  - Research Support
  - Industrial partners
  - Research Support
  - Computing Services
  - Researchers
  - Collaborators
  - Library
  - Publishers
  - Computing Services
  - Research Support
  - Research Support
  - Collaborators
  - Library
  - Publishers
  - Computing Services
  - Research Support
  - Research Support
  - Collaborators
  - Library
  - Publishers
  - Computing Services
  - Research Support

  - Expand use of Virtual Research Environments e.g. Sakai
  - Assign metadata at the point of data production

  - Provide secure facilities to enable data sharing with collaborators
  - Investigate legal implications of cloud storage
  - Encourage use of managed storage to prevent data loss

  - Support open access
  - Track data impact metrics via data licensing and data citation
  - Build new data repository, enabling long term access to published data
  - Mandate data access statements in published papers

  - Assign datasets persistent identifiers (e.g. DOIs)
  - Encourage use of metadata standards to enable interoperability
  - Expand CERIF fields to include research data
  - Embed data repository within CRIS so that inputs can be linked to outputs

  - Investigate legal implications of cloud storage
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