Deposit of Data

There has been a movement to redefine research metrics in a way that gives the researcher credit for all the work they do – not just published pieces – and services are integrating alternative metrics into DSpace.

### Alternative Research Metrics

- **External Resources**
  - Information is gathered from social media posts, reference managers, publisher information and others.
  - Article level alternative metrics gathered from social media sites, newspapers, government policy documents and other sources.
  - Embedded badge on items in DSpace.

- **Deposit of Data**
  - Repository for all file types, especially datasets, that makes research citable, shareable and discoverable.
  - With figshare for institutions, data can be pushed into your DSpace instance for increased deposits.

- **Delivery to end user**
  - Acts as a file transfer delivery mechanism to bridge the gap between data and end users.
  - Transfer large datasets from DSpace or other institutional servers.

### Data Storage and Delivery

There is a trend toward making data more accessible and open, partially prompted by federal funding mandates. Services can help with the storage and delivery of data and facilitate interaction with DSpace.

### Digital Preservation

Preservation solutions have been built to manage expanding digital collections and archive digital objects to allow for availability to future generations.

- **Preservica**
  - Ensures digital preservation for digital assets making all content secure, accessible and readable for years to come.
  - DSpace Ingest Workflow automates the bulk import of DSpace packages (records, files and metadata) into Preservica.

- **DuraCloud**
  - Management and preservation of digital items with backup, data integrity checks and storage across multiple cloud locations.
  - Use DSpace Replication Task Suite to back up your content to DuraCloud and back into DSpace if needed.

- **ArchivesDirect**
  - Standards-based (OAIS) open-source application for creating digital preservation content packages.

### Faculty and Institutional Reporting

Data management systems and a centralized database of all faculty activities can improve visibility and impact of research and facilitate collaboration. Leveraging these systems can increase and streamline deposit into DSpace.

- **ORCID**
  - Provides registry of unique author identifiers and a transparent method for linking DSpace items and reporting systems.
  - Can leverage ORCID API to harvest content.

- **VIVO**
  - System used by research institutions to collect, understand and showcase scholarly activities.
  - Link DSpace items and VIVO profiles via API with custom development.

- **Digital Measures**
  - Web-based faculty reporting solution that allows for evaluation of faculty performance.
  - Connection with DSpace via API with custom development.

- **External Data Sources**
  - HR systems (Banner, Oracle, etc.) and databases.