

BI-BICS-004 IT BACKUP AND RETENTION POLICY

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Version control

Date	Version	Status	Summary of Changes
09 December 2022	1.0	Archived	Final amendments following BEC comment and approval
19 July 2023	1.1	Archived	Updates in 2023 policy review to add details about IT server restores
16 July 2024	1.2	Archived	Minor Updates in 2024 policy review, Tweaks due to removing M drive to ensure policy is accurate.
25 July 2025	1.3	Active	Minor update, added 6.6 Microsoft Teams / SharePoint Online

Document approval

Define the approval authorities for the document

Document version	Document approved by	Position	Date
1.0	BEC	N/A	09 December 2022
1.1	Stephen Barrett	Project Officer	24 July 2023
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1.3	Stephen Barrett	Project Manager	25 July 2025

Distribution

Date of issue	Version
25 July 2025	1.3
This policy should be assigned to the following groups; Please tick one box for each group.	

Group Name	Mandatory	Group Name	Mandatory
All Users	☐	Heads of Department	☐
Trustees	☐	BCE Staff	☐
Researcher (Wet)	☐	Nursery	☐
Researcher (Dry)	☐	Visitors	☐
BSU Staff	☐	Credit Card Users	☐
BSU Users	☐	Ionising Radiation Users	☐
Notes: Optional for all users			

Associated policies, procedures and guidance

This policy should be read in conjunction with:

BI-BICS-001 IT Security & Usage Policy
 BI-IM-003 Information Classification and Security Policy
 BI-IM-002 Data Protection Policy
 BI-KEC-001 Intellectual Property Policy
 BI-HR-001 Code of Conduct
 BI-COM-002 Use of Social Media & Related Online Platforms Policy
 BI-HR-005 Disciplinary Policy
 BI-HAS-003 Safeguarding Policy
[Data Retention Schedules on The Hub](#)

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1. Definitions

1.1. Group Data

“Group data”	Data typically owned and administered by group/department/facility heads and accessed by their group/department members.
“Group file share”	Network shares on Institute enterprise storage owned by group/department/facility heads. These shares are often accessible to group members or facility users for storing and collaborating on work. Commonly referred to as “N Drive” or “O Drive”.
“ELN notebook”	Electronic Lab Notebooks stored within a group/department head’s designated area in OneNote notebook files. These are stored in Microsoft 365 cloud-based services.
“Scientific cluster data”	Data from scientific analysis, experimentation, or facility use stored on the Institute’s enterprise storage systems.

1.2. User Data

“User data”	Data typically created, owned and accessed by a single user.
“User mailbox”	Email mailbox associated with a user’s domain account stored in Exchange Online within Microsoft 365 cloud-based services.
“User OneDrive”	The OneDrive service within Microsoft 365 cloud-based services (https://onedrive.live.com) associated with a named user account.

1.3. Other definitions

“Archive”	Long-term storage of data that will be rarely accessed.
“Default quota”	The maximum amount of data that can be stored by default, unless agreed otherwise.
“Device”	Physical computer hardware such as a laptop, desktop, mobile, tablet or a computer connected to scientific equipment.
“Employee”	Institute employees on Institute or Babraham Institute Enterprise Ltd (BIE) terms and conditions, Institute employees on BBSRC or other terms and conditions, and Research Fellows on Institute terms and conditions.

“Institute data”	Any electronic data belonging to the Institute. For example, emails, office documents, database data, financial data.
“Institute managed / owned device”	Any device that is configured or managed by BICS and connects to the main Babraham Institute network. This includes devices used by BRC Ltd. that are managed by BICS.
“IT service data”	Data owned and administered by BICS which is essential to run IT servers and services, including: • Virtual/physical server storage containing server data • Server and service configuration data • Network equipment configuration data.
“Named user account”	The individual account assigned to an employee and used to access Institute IT services. The username for this account often includes an individual’s surname.
“Retention”	The length of time data is kept for, and therefore the period that a backup or archive of data can be restored back to.
“Shared mailbox”	Email mailbox associated with a group/shared email account stored in Exchange Online within Microsoft 365 cloud-based services.
“Snapshot”	A copy of data at a specific moment in time.
“Staff”	Employees and Babraham Institute registered PhD students.
“User”	Anyone accessing an Institute IT service.

2. Commitment statement

- 2.1. At the Babraham Institute our mission is to be an international leader in research focusing on basic cell and molecular biology with an emphasis on healthy ageing through the human lifecycle.
- 2.2. Babraham Institute Computing Service (BICS) is committed to providing an efficient, flexible, and secure service that will meet the changing needs of the science at the Institute, whilst working within the regulations, policies and requirements of the Institute, Janet, and the Cyber Essentials Scheme.
- 2.3. For the avoidance of doubt, this policy does not form part of any Employee’s terms and conditions of employment and may be amended by the Babraham Institute at any time.

3. Purpose

- 3.1. The purpose of this policy is to provide a high-level outline of backup, retention and recovery measures in place to protect the integrity and availability of Institute data and services.

4. Scope

4.1. This policy applies to:

- Institute employees on Institute or Babraham Institute Enterprise Ltd (BIE) terms and conditions
- Institute employees on BBSRC or other terms and conditions
- BRC Ltd. employees
- Research Fellows on Institute terms and conditions
- Research Fellows (honorary)
- Honorary Members of Faculty
- Babraham Institute registered PhD students
- Visiting students
- Visiting researchers and workers, including consultants and secondees
- Workers provided by a third party / contractors
- Visitors
- Trustees

4.2. This policy applies to Institute data stored on:

- Institute enterprise storage, i.e. user/group file shares and scientific cluster data
- Institute archiving systems, e.g. [Research Data Archiving Repository \(RADAR\)](#)
- Institute servers providing IT services
- [Microsoft 365 cloud-based services](#), e.g. Microsoft OneDrive, Teams, SharePoint Online, and Exchange Online (Email).

4.3. **Institute data must be stored using the storage services detailed above (4.2) and not stored locally on Institute managed devices.**

5. Storage allocation

5.1. When new data storage areas are provisioned, they are allocated with default quotas.

5.2. Default quotas are provisioned as follows:

- 20GB for standard group file shares (N/O drive)
- 200GB for OneDrive storage
- 100GB for user email mailboxes in Exchange Online.

5.3. Larger group shares, particularly those exceeding 1TB, are provisioned on the scientific cluster data storage with allocations set based on group or facility requirements and provisioning managed on a “fair use” basis.

5.4. Increases to default quotas must first be discussed with the CIO having first ensured that all data stored is necessary. Any unnecessary data must be removed or archived (e.g. using [Research Data Archiving Repository \(RADAR\)](#)). Increase requests are subject to capacity, availability, and fair use. Requests for large increases to storage space may require the purchase of additional storage equipment by the group/department.

6. Backup and retention of group data

6.1. Group file shares and scientific cluster

- 6.1.1. Group file share and scientific cluster backups are created daily and overwritten each day.
- 6.1.2. Snapshots for standard group file shares (e.g. N and O drive) are created daily and recoverable by users on a Windows system via 'Properties' > 'Previous Versions' of Files and Folders. Snapshots are retained for 28 days.
- 6.1.3. Due to storage limitations, snapshots are not enabled by default on the scientific cluster data. Contact BICS to discuss enabling this feature for your group if this becomes a requirement.

6.2. Data archiving

- 6.2.1. [Research Data Archiving Repository \(RADAR\)](#) is a manual data archiving repository for unused/inactive research data requiring long retention due to funder requirements. It is available on request to all researchers.
- 6.2.2. All data for archiving must be appropriately organised to aid identification in accordance with the Research Data Management Policy (BI-RES-008). Retention periods must be defined to ensure archived data is stored only for as long as necessary. Any personal data within the archive must be identified and recorded to ensure the Institute meets its responsibilities as defined in the Data Protection Policy (BI-IM-002).
- 6.2.3. Data archived to RADAR is copied to two physical storage systems in different data centres at the Institute to ensure redundancy.

6.3. User email mailboxes

- 6.3.1. Email mailboxes are stored in Exchange Online.
- 6.3.2. Deleted items are retained for 30 days and recoverable by users via the 'Deleted Items' folder.
- 6.3.3. No additional backups are performed for the Exchange Online email service beyond that provided by Microsoft 365 cloud-based services. Microsoft replicate Exchange Online mailboxes across Microsoft data centres for service disaster recovery purposes only and users are not able to restore this data themselves.

6.4. Electronic lab notebooks (ELN)

- 6.4.1. Backups of ELN Notebooks stored on [SharePoint Online](#) in Microsoft OneNote format are taken daily and retained perpetually. Backups are taken for business continuity purposes only and users are not able to restore this data themselves.
- 6.4.2. Users can restore deleted pages or recover previous page versions using functionality built into OneNote and SharePoint Online.
- 6.4.3. Deleted pages and page version retention use Microsoft's default retention settings.

6.5. Microsoft OneDrive

- 6.5.1. No additional backup services are provided for data stored in Microsoft OneDrive as this is a resilient Microsoft 365 cloud-based service. Users should use OneDrive in-built functionality to restore previous versions of files as necessary.
- 6.5.2. If the owner/user of data stored in OneDrive leaves the Institute, an archive process is triggered within 2 months of their leave date. The user's line manager is then notified of the pending deletion and given access permissions. The line manager has up to 30 days to copy any required data before it is deleted.

6.6. Microsoft Teams / SharePoint Online

- 6.6.1. Users can recover their own deleted data within Microsoft Teams or SharePoint Online sites via the site recycle bins. To do this, open a site within **SharePoint**, click the **Cog icon > Site contents > Recycle bin**.
- 6.6.2. Microsoft Teams and SharePoint Online sites are backed up by BICS for 90 days. Deleted content may be recoverable within this period. Contact BICS if you require file recovery.
- 6.6.3. Microsoft Teams Chats and Microsoft Copilot interactions are retained for 90 days within M365 cloud services. Users can manually delete conversations or interactions before this period to remove them.

7. IT Service Data

- 7.1. Servers running Institute services are backed up on a regular basis for the purposes of disaster recovery. This process is managed through BICS policies and procedures.
- 7.2. Retention periods and backup frequency of IT servers varies depending on the server role and criticality. This ranges from non-critical server backups being retained for 7 days to critical server backups being retained for 40 days.
- 7.3. Immutable (read-only) backups are configured for IT servers to protect against corruption from a major cyber-attack. Read-only backups of critical business systems are retained for longer durations for disaster recovery purposes.
- 7.4. Wherever possible, backups of IT servers are automatically restored and tested on a monthly basis. Manual processes are used for testing restores of other IT servers.
- 7.5. Network equipment configuration is backed up daily for the purposes of disaster recovery. There is no generic retention period for network device configuration, and older backups are manually purged as necessary.

8. Further information

- 8.1. This policy will be reviewed regularly to incorporate any changes, legislative or otherwise. The next review date is specified on the cover sheet.
- 8.2. Associated policies, procedures and guidance are listed on the cover sheet. The Policy Owner named on the cover sheet can be contacted with any queries.

- 8.3. This policy may be varied, withdrawn, or replaced at any time by the Institute at its absolute discretion.