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DICT STORAGE PLATFORMS

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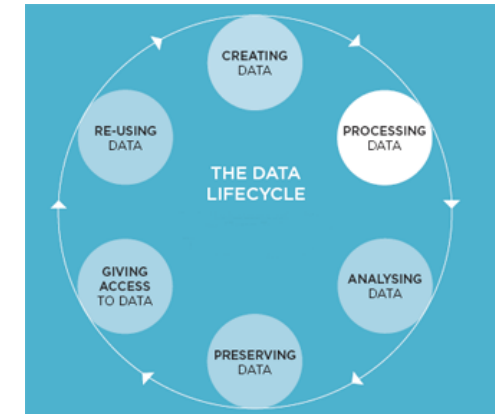# WHY USE DICT STORAGE PLATFORMS?

- Maintained by DICT, not you (you have better things to do)

  - Professional infrastructure

  - Redundant setup

  - Regular updates

  - Disaster recovery backups

  - Dedicated teams

- Scalable infrastructure

- Mostly free of charge (no such thing as a free lunch)

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STORAGE & STRATEGY

- Datasets
  - have become huge
  - outlive their collector/creator
  - need to be easily accessible for everyone
- Storing data requires a strategy

➜ **Research Data Management**

- invest time and effort into an effective approach
- structure and share data
- have a life cycle in mind (archiving, depositing)

A **data management plan** helps YOU

GETTING HELP

- Research Data Management (Data Stewards)

    https://www.ugent.be/en/research/datamanagement

    rdm.support@ugent.be

- DICT helpdesk

    https://helpdesk.ugent.be

    helpdesk@ugent.be

    You can always give us compliments ☺

    But first and foremost tell us what is not working for you.

    Only then can we help and improve our services (if possible).

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DICT STORAGE PLATFORMS AT A GLANCE

Name	Office 365			Shares		HPC	
	OneDrive FB	SharePoint	Teams SharePoint	H:/	Project Share (acl & bulk)	HOME/DATA/SCRATCH	VO_DATA/VO_SCRATCH
Location	Cloud	UGent	Cloud	UGent	UGent	UGent	UGent
Size	2TB	5GB	See link	5GB	GB-TB range	25 GB	GB-TB range
Backup mechanism	Versioning	Versioning	Versioning	snapshots	snapshots	none	none
Sync to local	✓		✓				
Confidential	Encrypt	✓	Encrypt	✓	✓	✓	✓
Intended use	Personal	Sharing	Sharing	Personal	Sharing	Personal	Sharing
Sharing external users?	✓	✓	✓				✓
Suitable for TB datasets					✓		✓
Data in use	✓	✓	✓	✓	✓	✓	✓
Data at rest					✓		

OFFICE365

See https://helpdesk.ugent.be/office365/en

- Version control
- GB okay, TB not okay

- Personal → OneDrive for Business
  - https://helpdesk.ugent.be/office365/en/onedrivefb.php
  - (<> personal OneDrive)

- Shared → SharePoint
  - sharing, collaborating, joint editing documents
  - https://helpdesk.ugent.be/office365/en/sharepoint.php
  - https://helpdesk.ugent.be/office365/teams.php

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SHARES – CENTRAL DISK SPACE

See https://helpdesk.ugent.be/netdisk/en/

- General purpose centralized shared storage

- Personal
  - personal disk space: **H:-drive**   (quota = 5 GB)
  - personal web space: **W:-drive**   (quota = 1 GB)

- Shared
  - shared network drives: **S:-drive**   (on demand, GB – TB range)
    intended for project-related storage of data
    e.g. 'vakgroep'-shares (within department)

HPC STORAGE

See https://www.ugent.be/hpc/en

- Dedicated storage for scientific computing
- Authentication via VSC id (easily requested with UGent credentials)

- Personal
  - $VSC_HOME   (quota = 3 GB)
  - $VSC_DATA   (quota = 25 GB)
  - $VSC_SCRATCH (quota = 25 GB)

- Shared – for virtual organisations
  - $VSC_DATA_VO   (quota = 250 GB or more)
  - $VSC_SCRATCH_VO   (quota = 250 GB or more)

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GITHUB @ UGENT

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WHAT IS GITHUB?

See https://helpdesk.ugent.be/github/

- Versioning system and code repository for software
- Ideally suited for collaborative software development
- Open source software
- Public vs. private repositories

- https://github.ugent.be
    - Authentication via UGent account
    - Only for research and education
    - Quota = 1 GB
    - Readable, but interaction with non-UGent not possible
        (Need this? Use https://github.com but you need a license)

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www.ugent.be/hpc

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