Research Data Management

Data storage and archiving

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1st Data Stewardship @WUR network meeting, November 8, 2018

WAGENINGEN
UNIVERSITY & RESEARCH

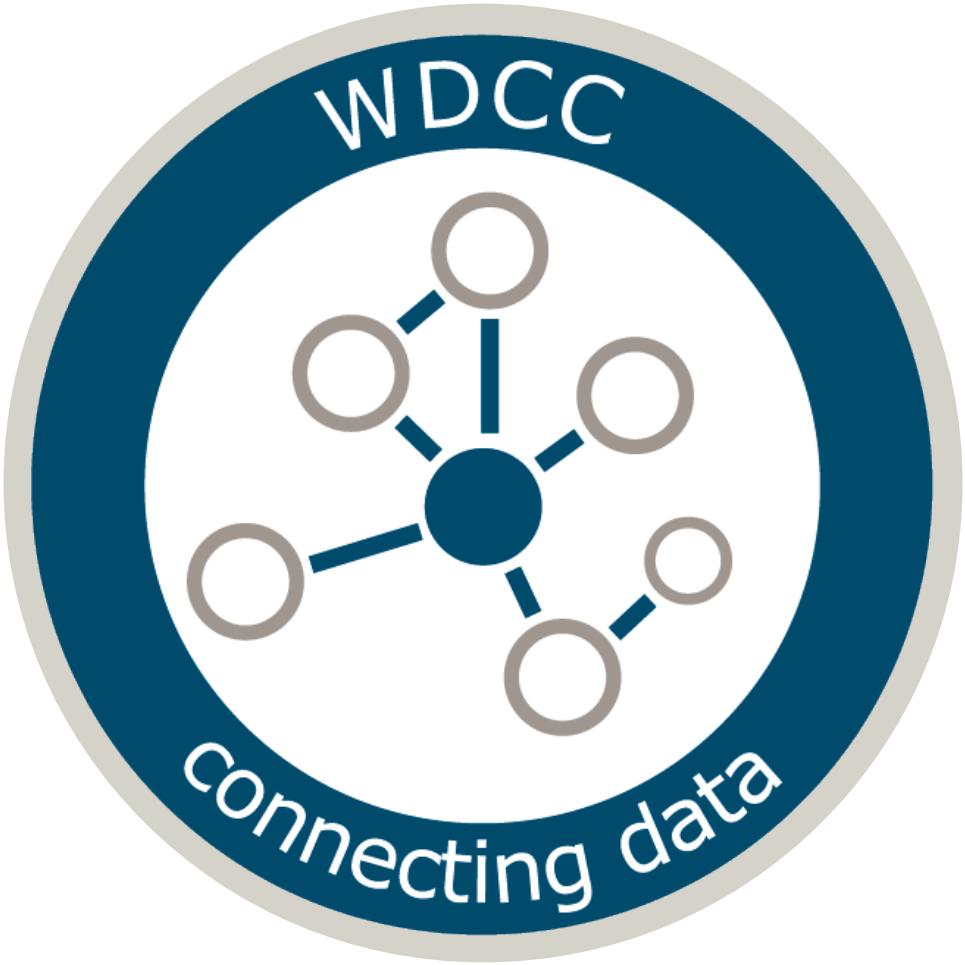
100years
1918 — 2018

Questions?

Mail us:

data@wur.nl

wur.nl/data



WAGENINGEN
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100years
1918 — 2018

How can I work as safely as possible

NOS Nieuws Sport Uitzendingen TELETEKST

Patiëntgegevens gestolen van onderzoeker Antoni van Leeuwenhoek Ziekenhuis

GISTEREN, 13:00 BINNENLAND

NOS Nieuws Sport Uitzendingen TELETEKST

Hogeschool mailt per ongeluk gegevens van 4400 studenten rond

GISTEREN, 18:59 REGIO

Donderdag 06 september 2018 | Het laatste nieuws het eerst op NU.nl

ORGANISATIE - 4 NOVEMBER 2015

WUR is interessant voor spionnen

tekst: Roelof Kleis

Spionage is geen ver-van-mijn-bedshow. Het gebeurt hier en nu en Wageningen UR is een gewild doelwit. Opletten dus, vooral met het openen van mail.

G+1 Tweeten Share Delen 0

Veel meer kun je als eenvoudig medewerker of student niet echt doen, blijkt na een lezing van Sander. Zijn achternaam blijft in nevelen gehuld. Sander is namelijk van de AIVD. 'Ik heb liever niet dat jullie foto's maken of berichten posten.' Hij geeft in het kader van de actieweek ProtectIT voor een twintigtal toehoorders in Radix een lezing over cyberspionage.

You are the key to our information luidt de de slogan van de IT-campagne om ons beter te wapenen tegen spionage via internet. Sander draait het om: *You are the key to their information*. En dat is meteen de kern van zijn verhaal. Sinds het internet zijn wij allemaal tamelijk gemakkelijke doelwitten voor spionnen. Spionnen op afstand die via de computer ons

Tech / Internet

Gepubliceerd: 9 augustus 2012 14:22
Laatste update: 9 augustus 2012 20:19

Deel:

Dertien universiteiten getroffe door beveiligingslek

AMSTERDAM - Dertien universiteiten blijken kwetsba te zijn voor een datalek in de website. In sommige ge waren persoonsgegevens toegankelijk.

Foto: Thinkstock

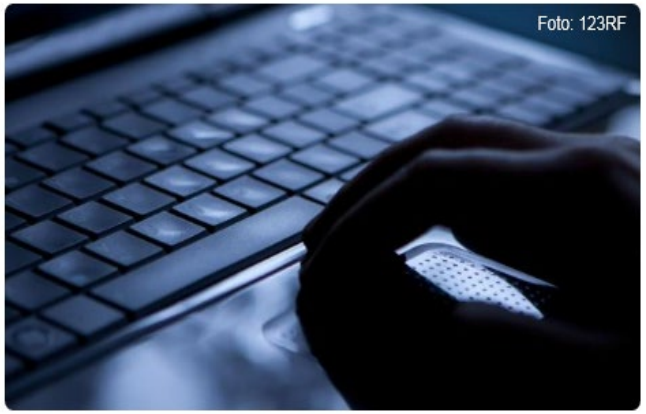
Dat ontdekten de scholieren Da Olivier.

Tijdens het testen van de websi kwetsbaarheden troffen de scho tientallen aan. Iedere keer bleek eenzelfde type lek te gaan, een

Dat betekent dat er een zwakheid in de website zit waarc gecommuniceerd kan worden met de database. Normaal database volledig afgeschermd.

De getroffen instellingen zijn de Radboud Universiteit, Rijksuniversiteit Groningen, TU Delft, Open Universiteit, Universiteit Twente en de universiteiten van Tilburg, Utrecht, Rotterdam, Wageningen, Amsterdam, Eindhoven, Maastricht en Leiden.

NU.nl › Tech › Internet



'Nederlandse universiteiten nog steeds in vizier van Iraanse hackers'

Gepubliceerd: 24 augustus 2018 19:51

WAGENINGEN UNIVERSITY & RESEARCH

100years 1918 — 2018

Security - Do’s en don’ts

1. Do use the WUR email account only for work related matters
2. Do use WUR IT services (W:, Sharepoint, WURclient)
3. Only use file sharing via browser not via sync client and with care
4. Do not use external HD’s, memory sticks or NAS
5. Don’t click on links in dubious e-mails
6. Only open email attachments of people you know

Can I use Dropbox or Google drive? No!

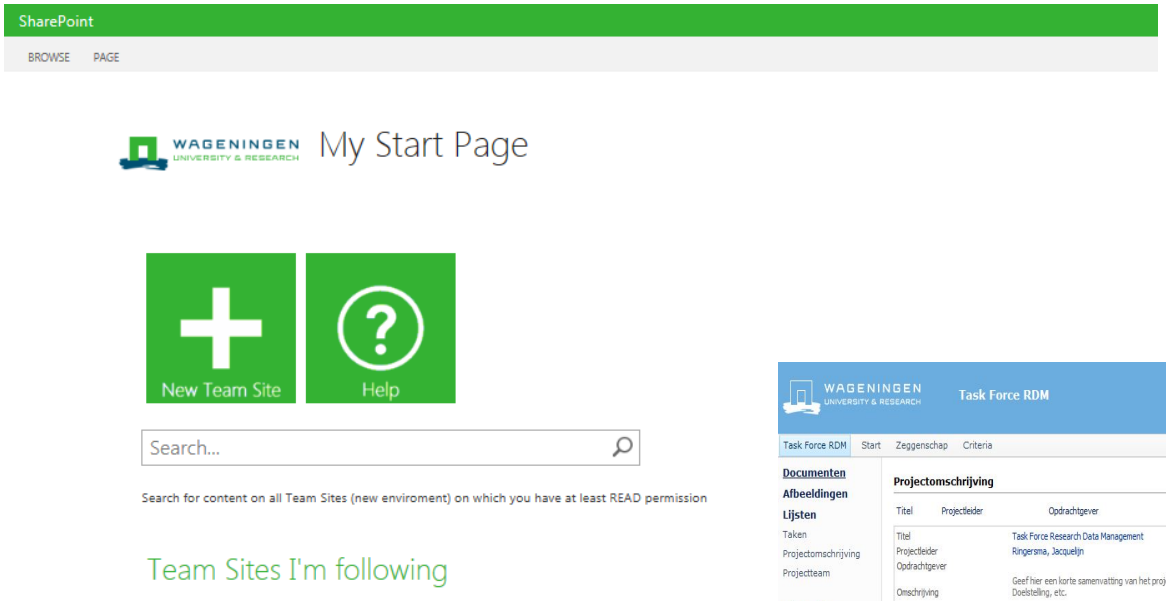
Dropbox / google drive (free personal solutions)	**Onedrive for Business (paid enterprise solutions)**
WUR has no control in privacy policy. Dropbox is allowed to look into your metadata.	SURF checked the policy. Microsoft doesn't use your data
Create your own account	Connect via WUR-account
If employee leaves WUR, data is gone	WUR-IT can access data in specific cases
Data is spread around the world	Data is stored in data centers in Europe
Public data	Confidential data. Do not sync on non-wurclients!
Free of charge, few GB, Adoption is very good	Free of charge, 1 TB, easy sharing with microsoft users & WUR-users

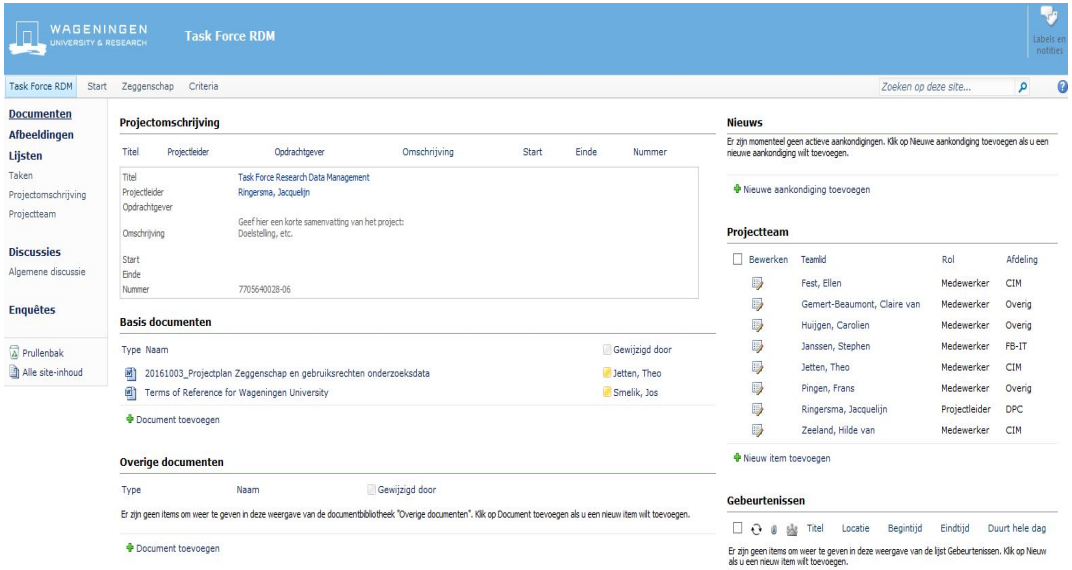
Storage solutions (W: M: drive)

- Secure storage facilities:
  - M:\
    Personal storage
    only accessible by yourself, 50 GB
  - W:\
    (sometimes also referred as N:\ or other names)
    Department, section, team, project share
    accessible by allowed WUR-employees.
    Expandable to > PB (>1000TB)

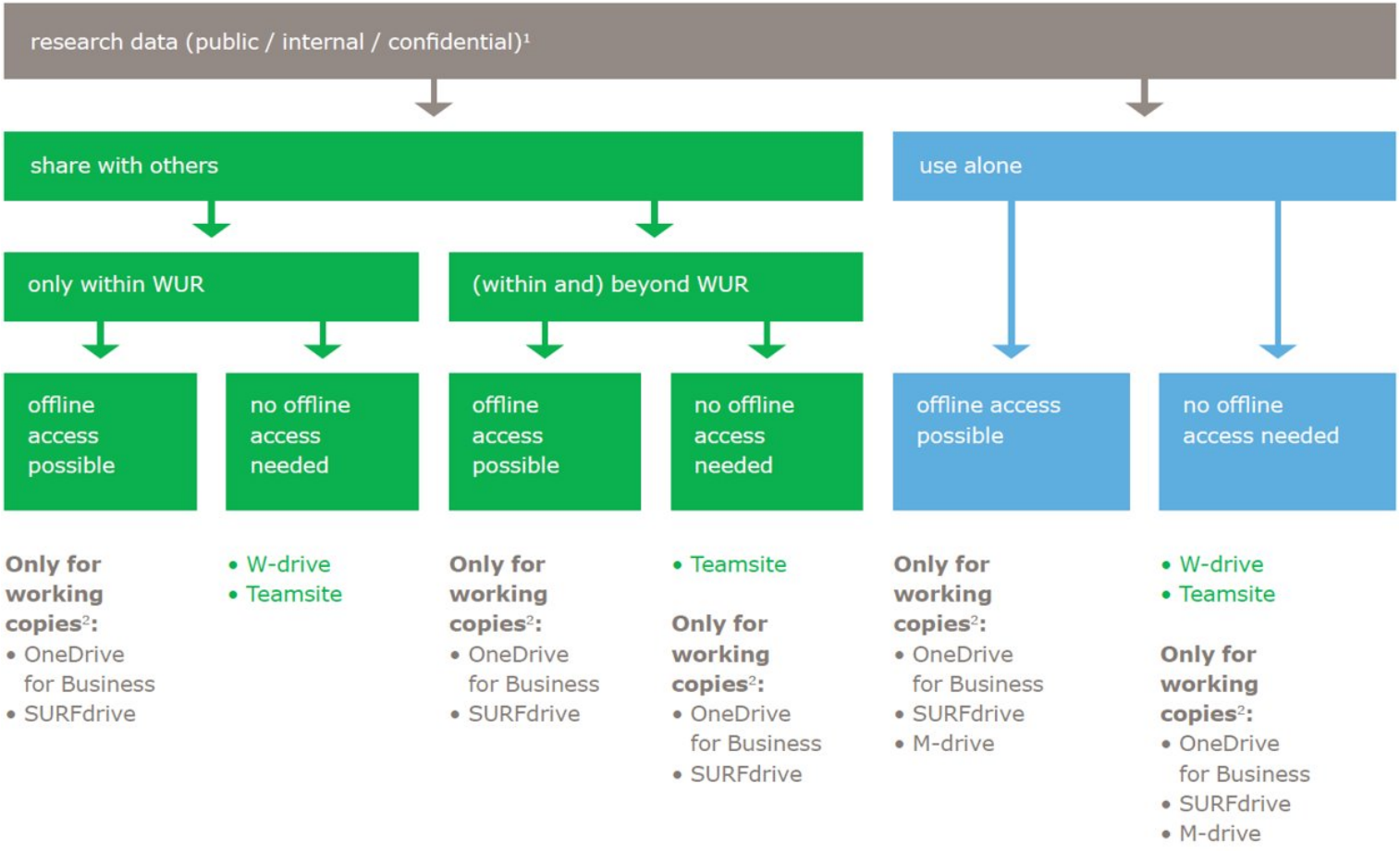
Type	**Costs**	**Specs**
Enterprise File storage	€ 1,20 / GB	Fast, Double, Disaster backup
Massive File storage	€ 60 / TB	Single, No disaster backup
Massive File storage DR	€ 100 / TB	Single, Disaster backup

Storage solutions (sharepoint teamsites)



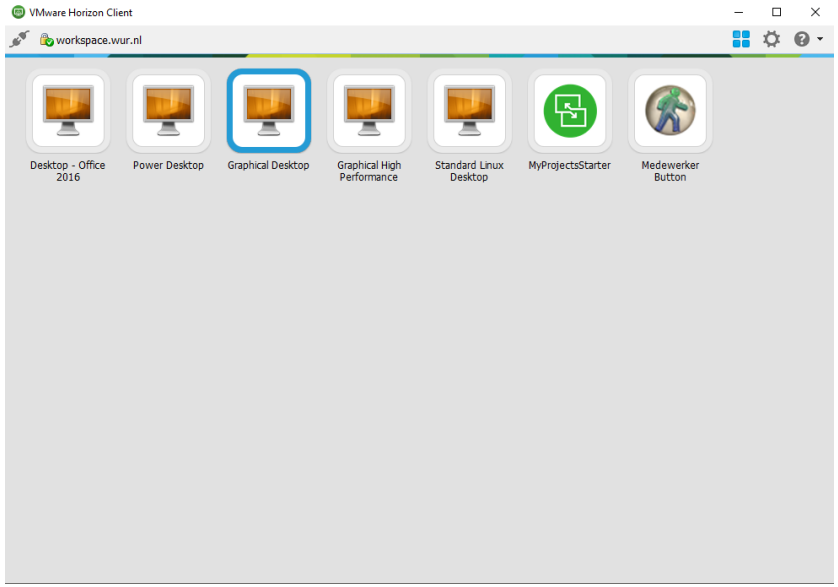


Storage solutions (Decision aid)



Work off campus

- myworkspace.wur.nl
  - Working elsewhere: anytime, anywhere, any device
- VPN in the near future
- No internet:
  - Onedrive for Business
  - Encrypted usb-disk

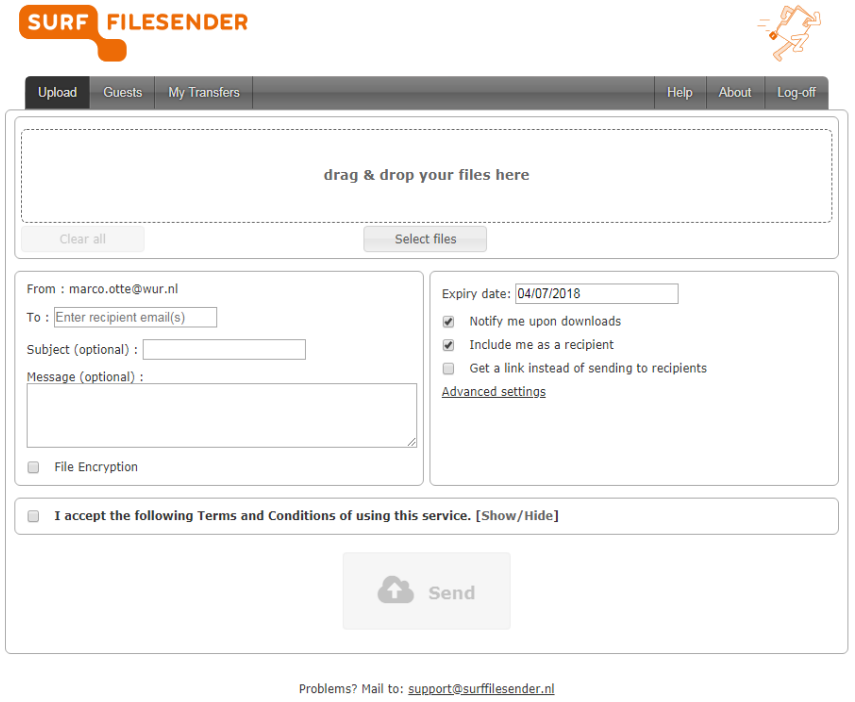


How can I transfer large files to external partners

- Providing an alternative to WeTransfer:

  www.SURFfilesender.nl

- up to 500 GB (unencrypted)
- up to 250 GB (encrypted)
- single sign on



Selecting an archive

- Preferably a domain-specific archive
- Ask you colleagues
- Re3data.org
- 4TU.Center for Research Data, or DANS-EASY
- Condition of journal

Selecting data for archiving

- In principle: raw data from your research
- Processed data based on existing data
- Processed data when raw data is too large
- Not: data that can easily be reproduced
- Not: (publicly) available data

Selecting data for publishing

- Data underlying a publication (WUR policy)
- Anonymized data
- Data that can be valuable to others

Large dataset archive

- Domain-specific archive
- 4TU.Center for Research Data or DANS-EASY: up to 2 TB
- >2 TB: Library is working on a solution

Costs of archiving

- 10 GB free, € 4.50 per GB (4TU)
- Funder: put it in your proposal!
- Sometimes journal
- Library: up to 1 GB per research group per year

Licenses / open access

- Anonymized data
- DANS-EASY: access only after permission
- Restricted/closed (i.e. Zenodo)
- Archiving without publishing
- Creative Commons: CC0 or CC-BY

Storage

Data storage security
- How can I work as safely as possible (Do's & Don'ts)?
- My laptop is infected by a virus, can we restore the data?
- Can I use Dropbox or Google Drive during my research?

Costs of storing data
- Why is storage so expensive at WUR compared to Mediamarkt ?

Safe storage of data within WUR
- Where can I store huge datasets (terabytes) during my research?
- Can I use the W:\ and M:\ drive while I'm not on campus?
- Which safe storage solutions are available and how do I know what to use?

Collaboration and sharing of data
- How can I share data within WUR?
- How can I share data with external companies?
- How can I transfer large files to external partners?

Archiving

Selecting an archive
- Which archive should I select?

Selecting data for archiving
- What data should I archive/publish?

Large dataset archive
- How and where can I archive/publish a large dataset?

Preparation of a dataset for archiving
- How to prepare a dataset for archiving/publishing?

Costs of archiving
- How to cover the costs of archiving/publishing?
- How much does it cost to archive my data?

Licenses/open access
- Which license do I choose for my data?
- My data is confidential. Can it still be archived?

Guidelines

1. Read the topics and example questions
2. Select one or two topics or questions that interest you, or of which you want to hear more
3. Stick your two stickers next to your selected topic(s) or question(s). Any selection is okay!
4. If you have another question that we didn't write down, please take a yellow post-it and stick it with your question on the poster
5. The topics that receive most stickers will be discussed.

Workshop results