OUR ROAD TOWARDS SELF-SERVICE SYNC-AND-SHARE

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CS3 Conference
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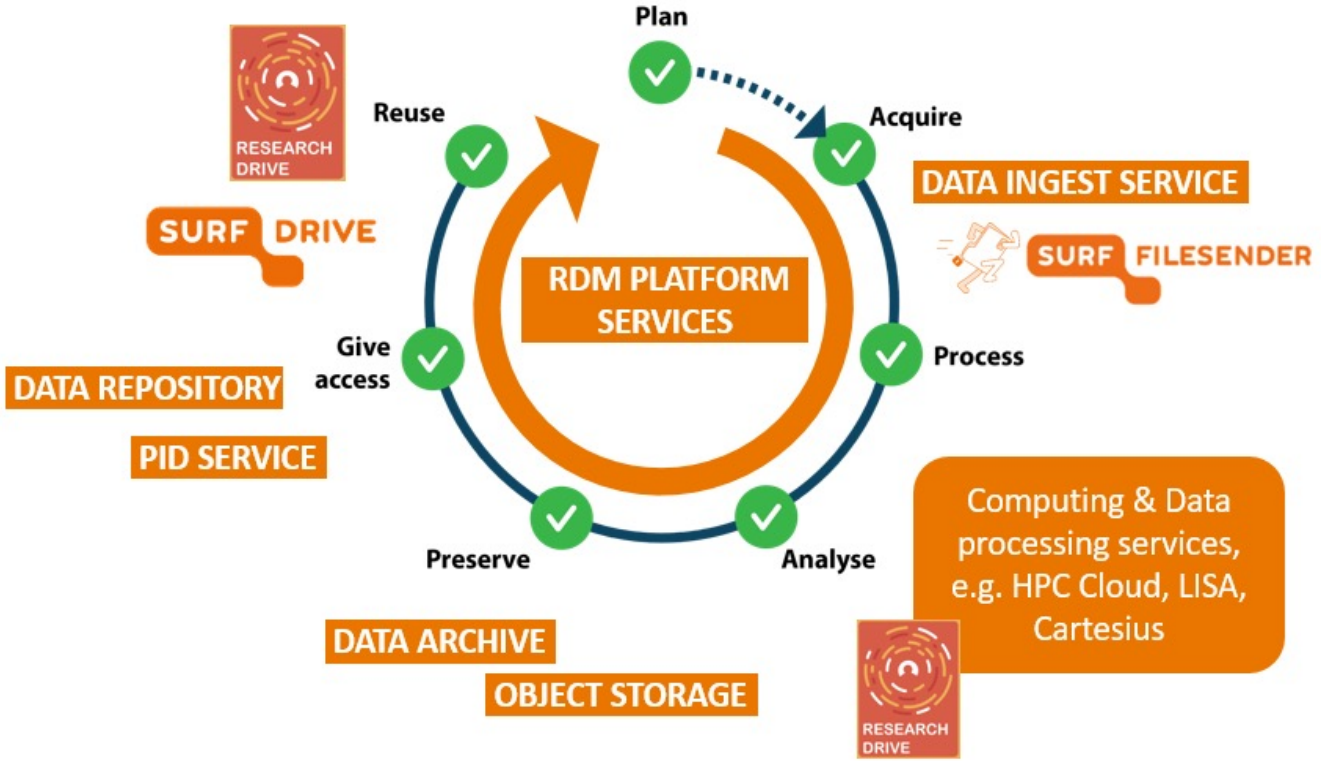
SURF is the collaborative organisation for IT
in Dutch education and research

Consultancy

Training

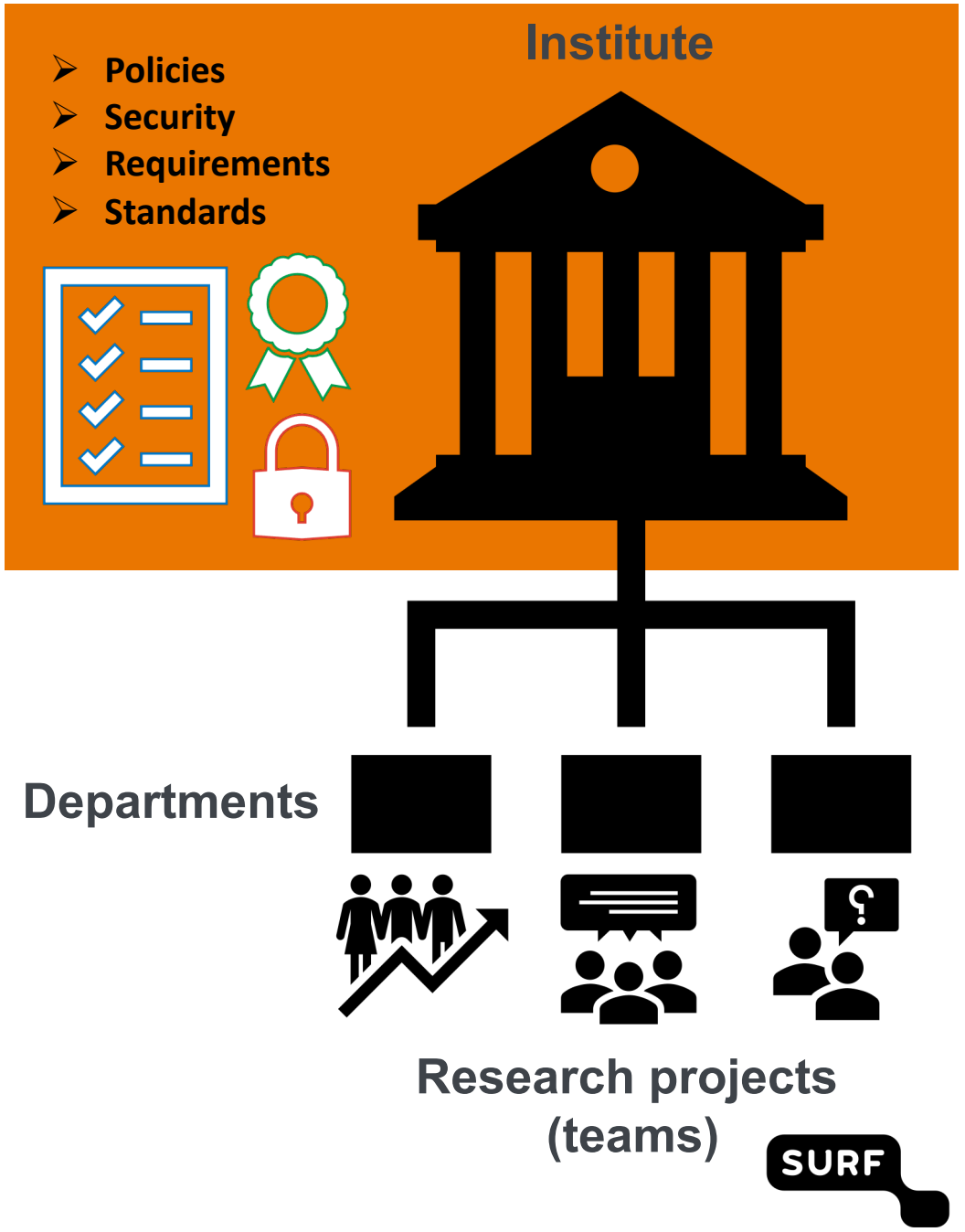
Knowledge Exchan

DICE Data Infrastructure Capacity for EOSC
EOSC-hub
CS3 MESH4 EOSC Connecting European Data
FAIRSFAIR Fostering Fair Data Practices in Europe
EOSC Future
EUDAT Collaborative Data Infrastructure
CompBioMed



SURF institutes

- Research universities
- Universities of applied sciences
- Senior secondary vocational education (mbo) institutions
- University medical centres
- Research institutions
- Other



A wide range of requirements

Institutes

- Research Data Management (RDM)
- Policies
  - FAIR data
  - Preservation & Publication
  - Storage and retention periooods
- Security measures
  - Multiple means of authentication
  - Password policies
  - Data recovery
- Agreements
  - VSNU
  - Netherlands Code of Conduct for Scientific Integrity

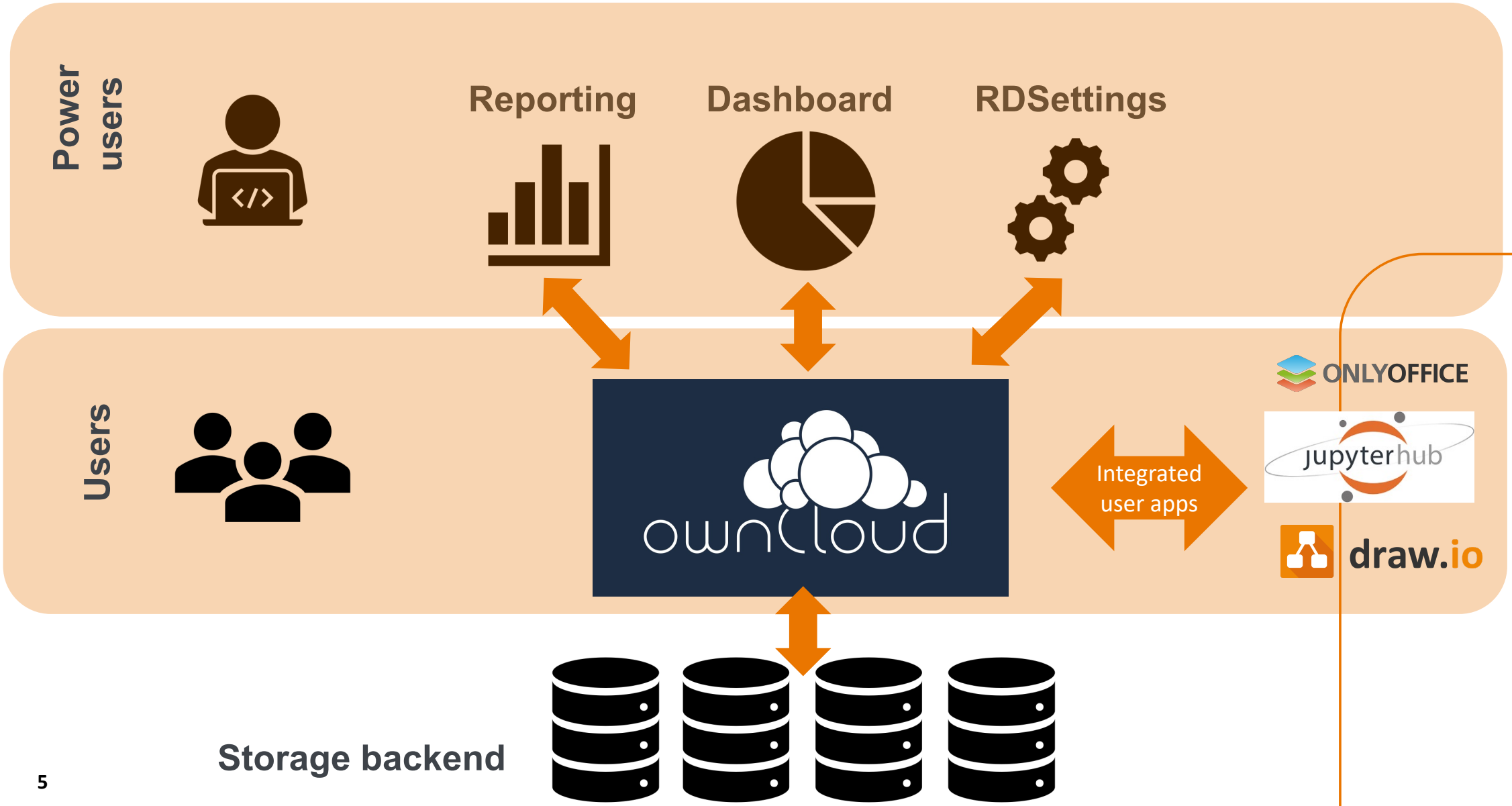
Power user

- Data managers, ICT specialist, …
- RDM support
- Implement policies and put in practice
- User management
- Contract management
- Control over data
- Give access rights
- Project-based storage
- Flexible quota
- Reporting

Regular user

- Researchers, students, …
- Active data management during research or education
- Data sharing
- Transfer
- Sync and share
- Personal storage
- Inviting guest users
- Get access or give access to data
- Collaboration with international partneres

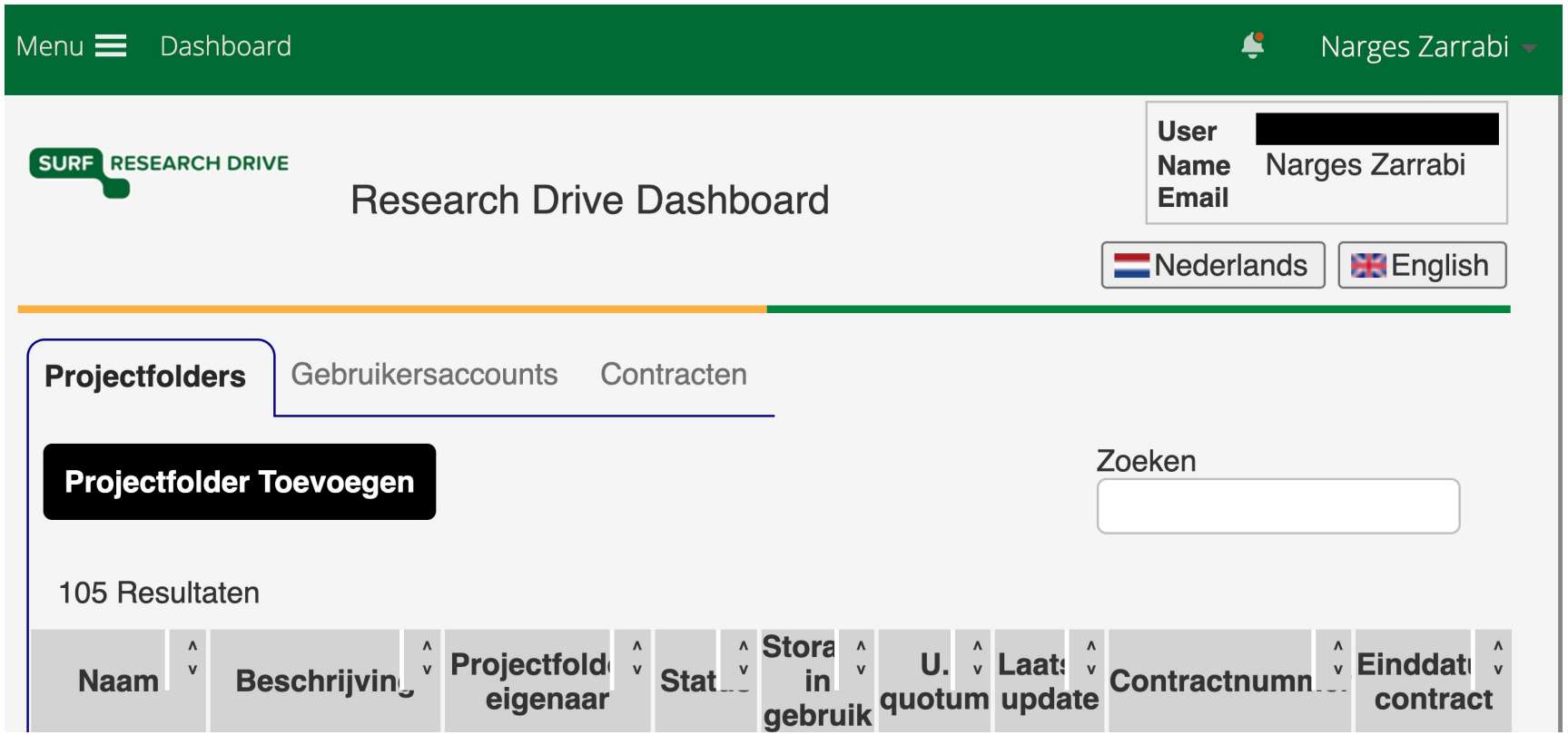
Research Drive, a self-service sync-and-share solution for RDM

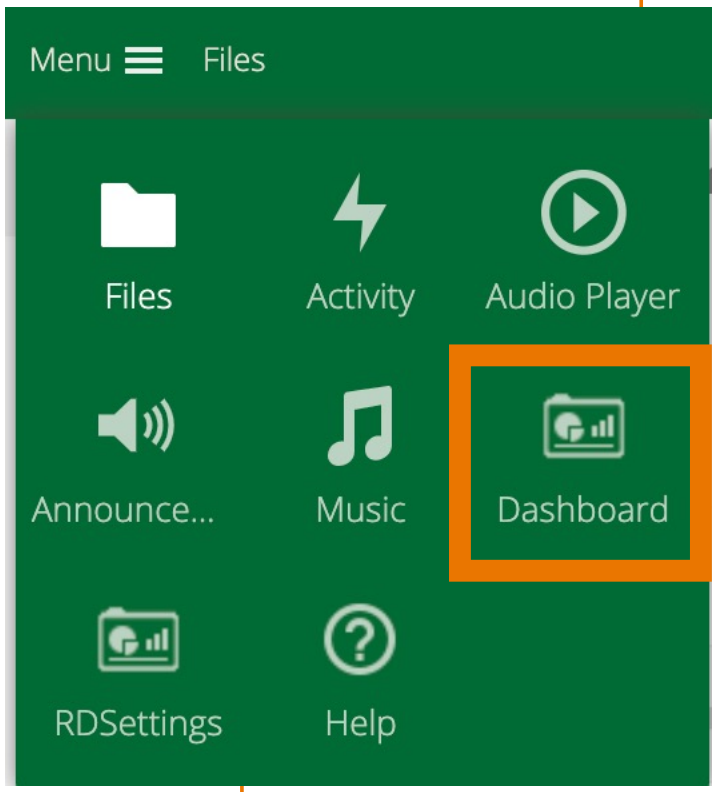


DASHBOARD

Research Drive Dashboard

- Research Drive Dashboard offers an overview and allows management of existing project folders, accounts, and contracts within the Research Drive environment.

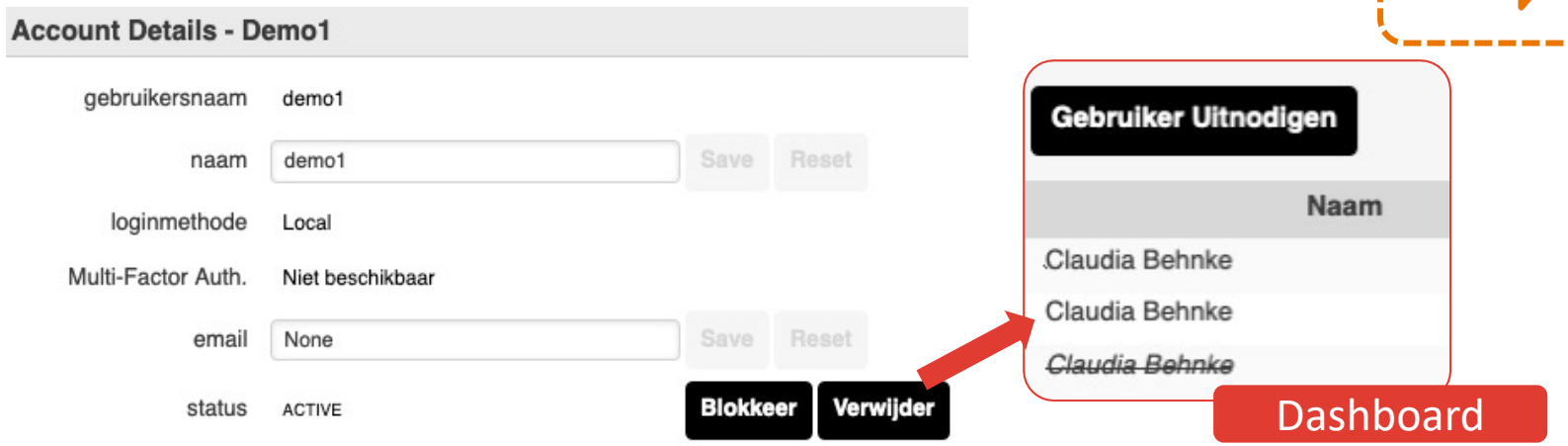




https://wiki.surfnet.nl/display/RDRIVE/Research+Drive+Dashboard

User Management

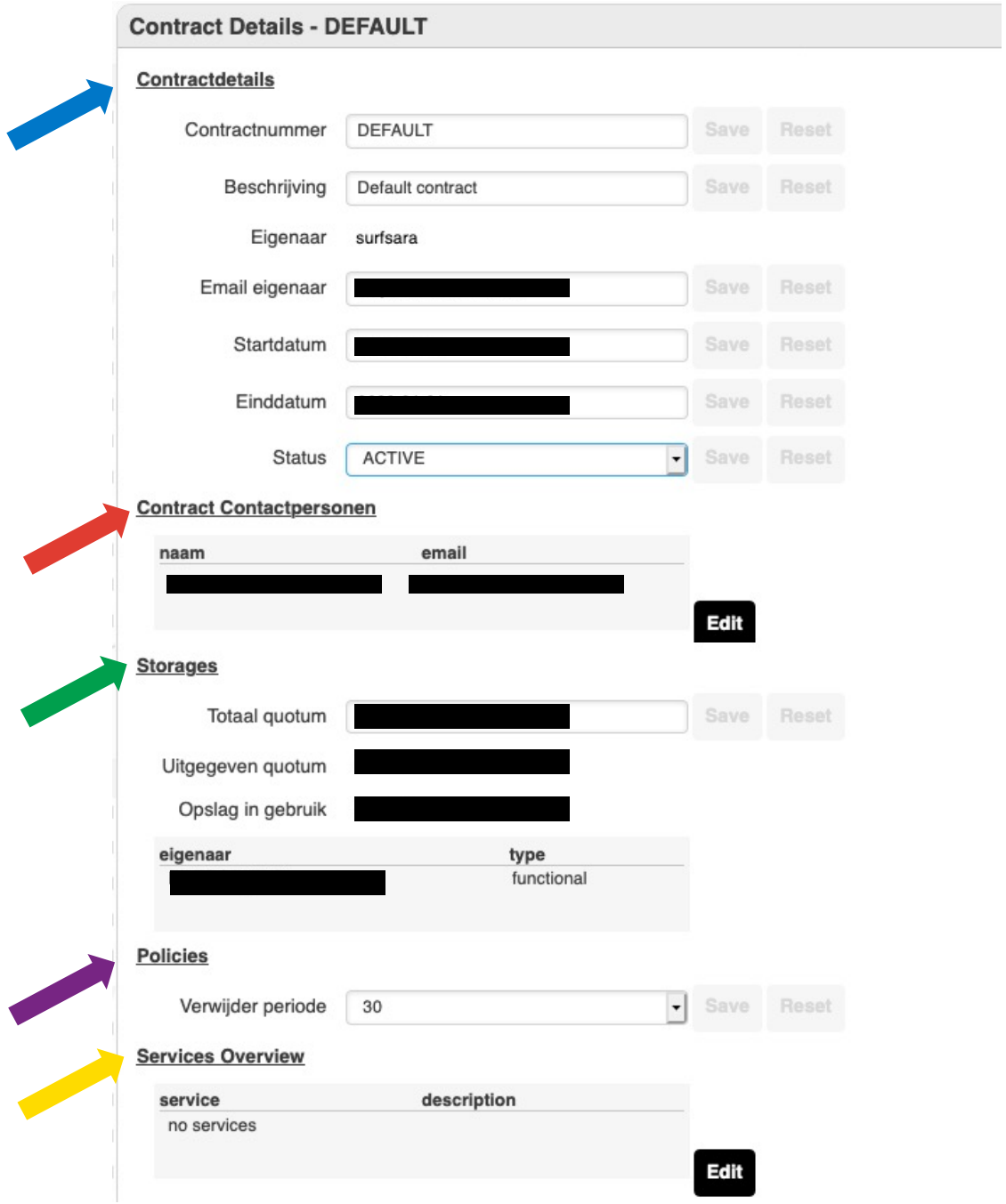
"DASHBOARD ADMIN"



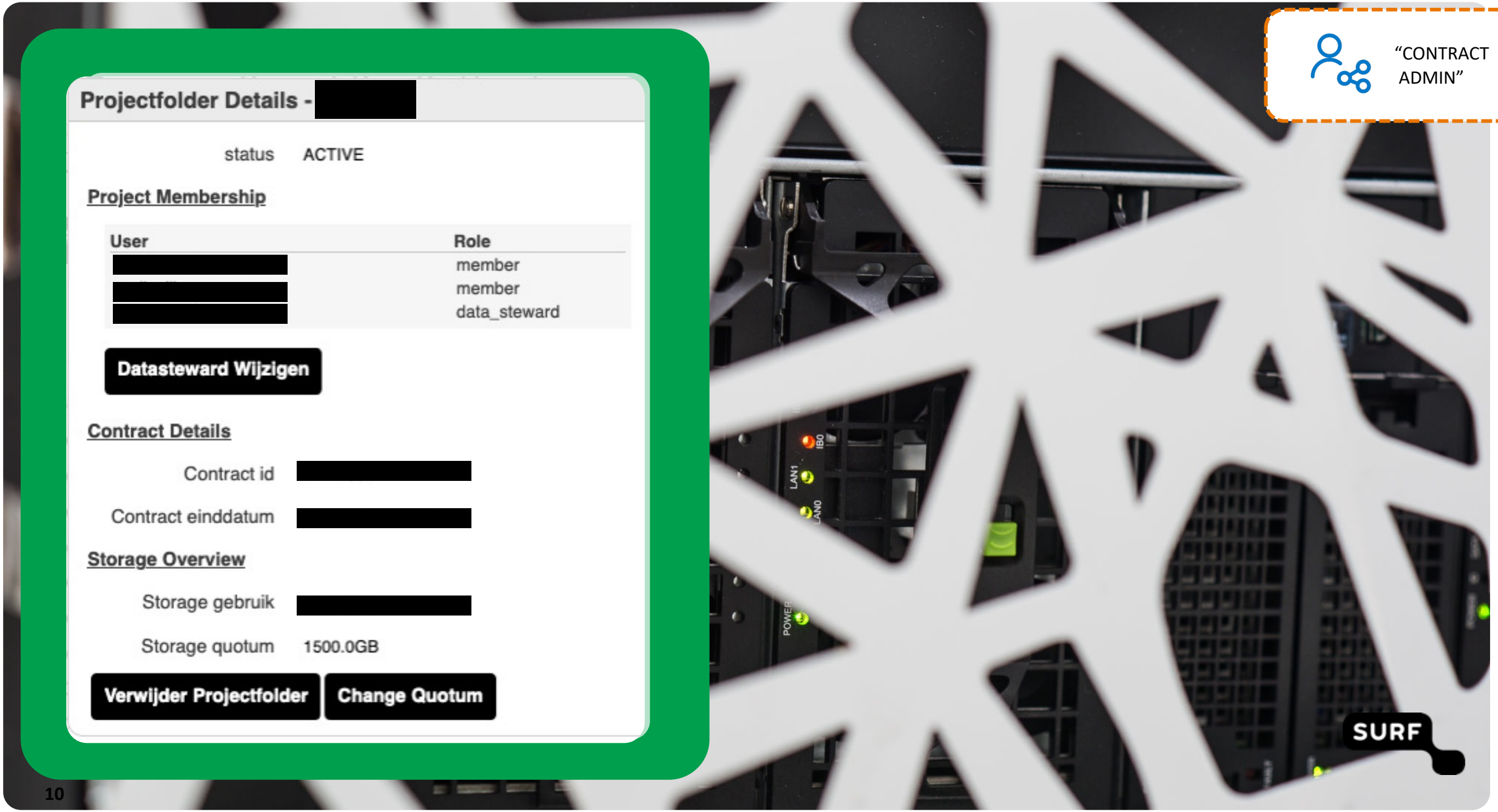
Important:

- ✓ Personal storage is really private!
- ✓ Deleting an account, deletes its personal data
- ✓ "geen quotom" means project storage only

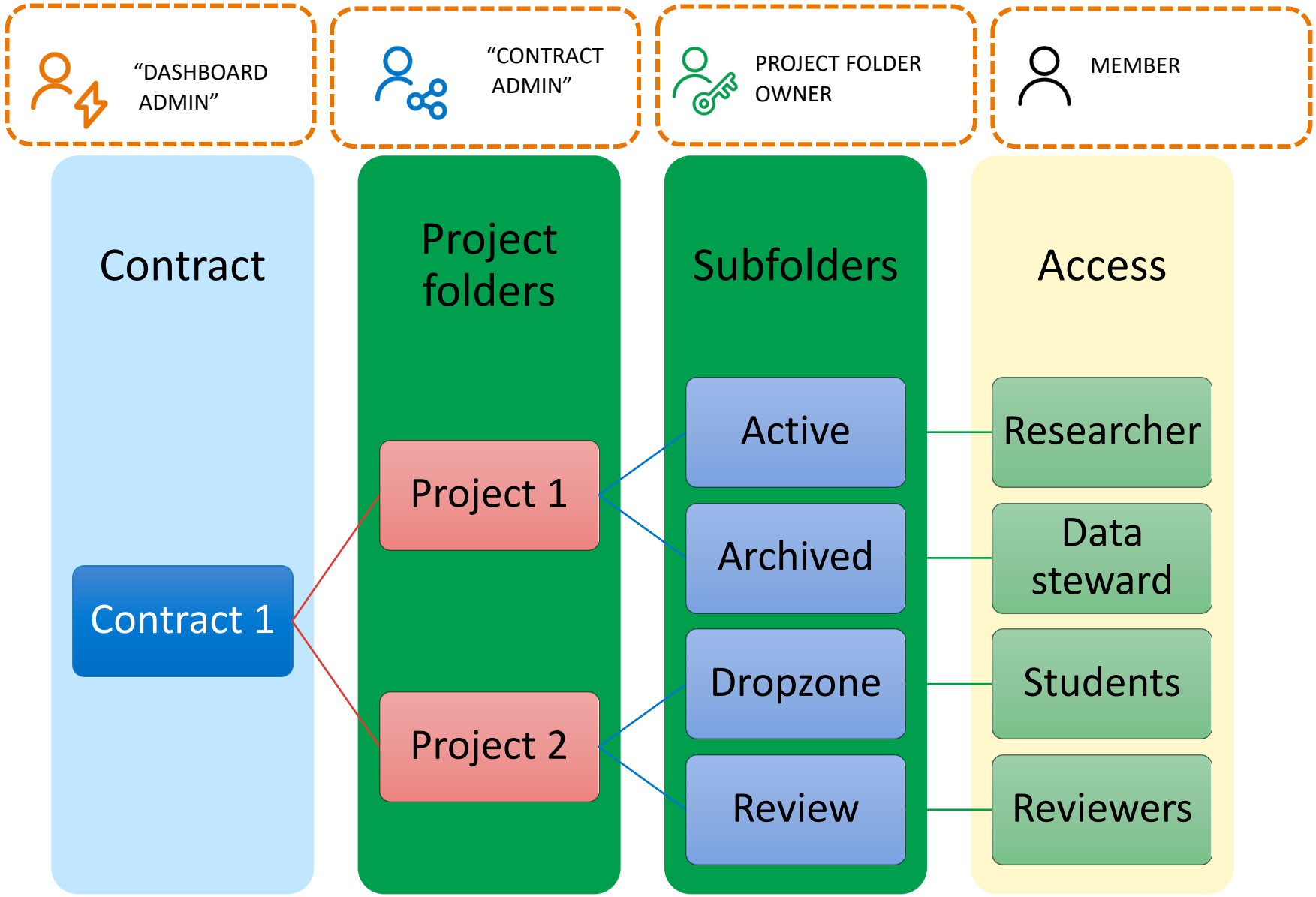
Contract management



"DASHBOARD ADMIN"


Projectfolder Details - [redacted]
status ACTIVE
Project Membership
User
Role
[redacted] member
[redacted] member
[redacted] data_steward
Datasteward Wijzigen
Contract Details
Contract id [redacted]
Contract einddatum [redacted]
Storage Overview
Storage gebruik [redacted]
Storage quotum 1500.0GB
Verwijder Projectfolder
Change Quotum
"CONTRACT ADMIN"
SURF

Contract, project folders and subfolders: example setup



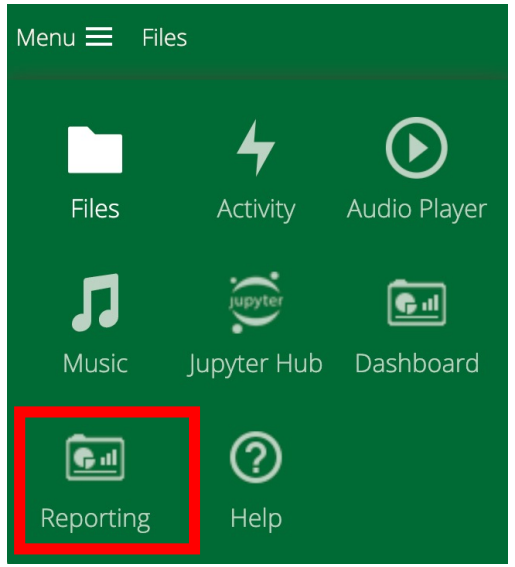
Dashboard visibility for different roles in Research Drive

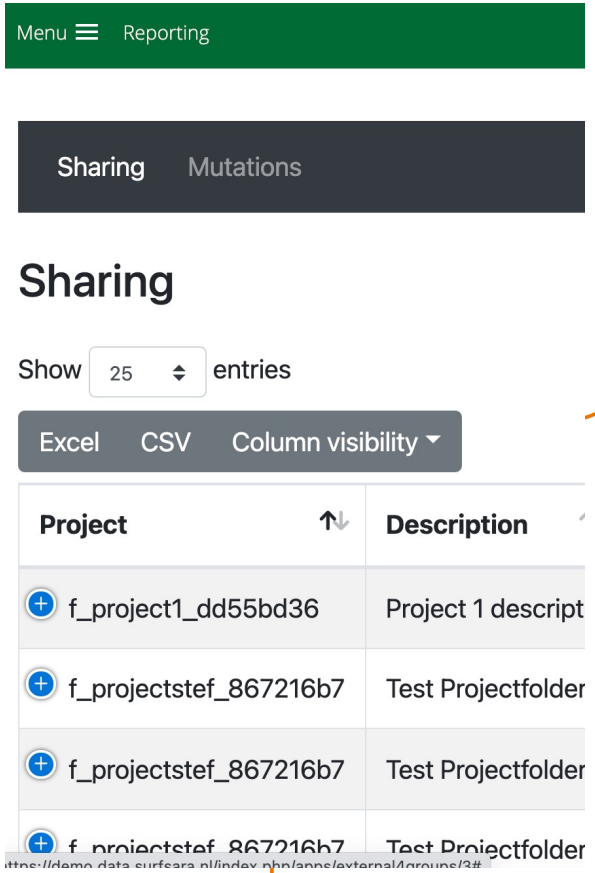
Roles in Research Drive	Dashboard visibility		
	Project foldes	**Users**	**Contracts**
Dashboard admin	Can see all	Can see all	Can see all
Contract admin	- Project folders under your contract - Project folders you are the owner - Project folders you are member of	- Users under your contract - Users you invited with status “NEW” (account not acctivated yet)	- Contracts you are the admin
Project folder owner (data steward)	- Project folders you are the owner - Project folder you are member of	- Yourself - Users you invited with status “NEW” (account not acctivate yet)	
User	- Project folder you are member of	- Yourself - Users you invited with status “NEW” (account not acctivate yet)	

REPORTING APP

Reporting app

The Research Drive Reporting App grants an overview of shares and permissions. It is searchable per user, per project or per path. Also, the data can be downloaded as an Excel document or .csv

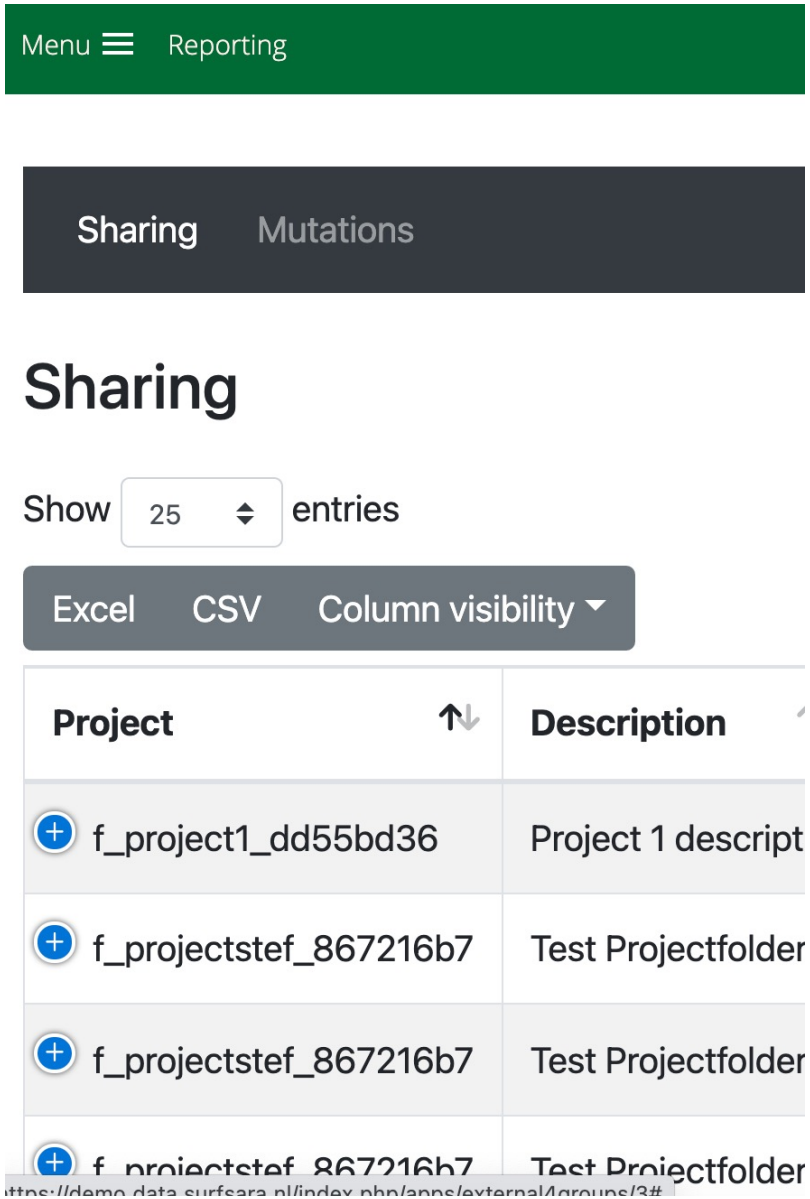




More reports is sent out per mail!

- Usage report (monthly)
- MFA reports (Bi-weekly/monthly)

Reporting app visibility for different roles in Research

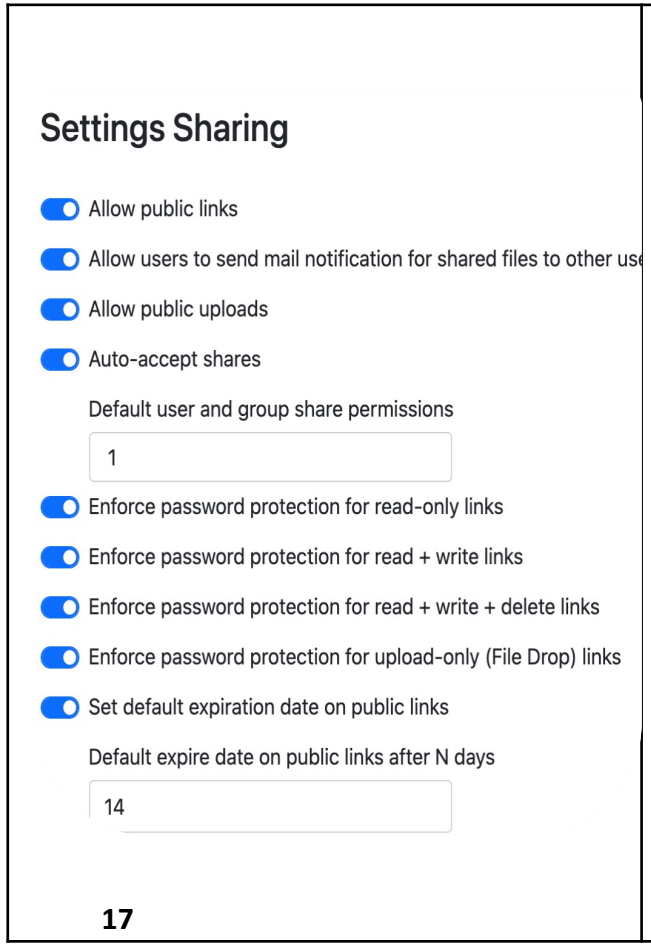


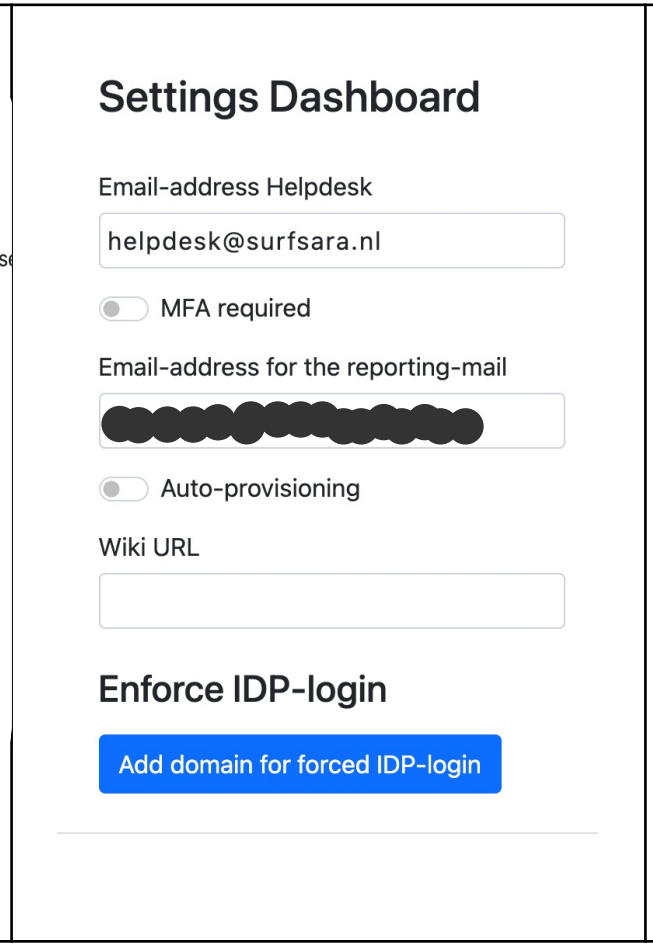
Roles in Research Drive	Reporting app visibility
Dashboard admin	Can see all
Contract admin	Can see projects within their contract
Project folder owner (data steward)	Can see projects which is admin of
User	

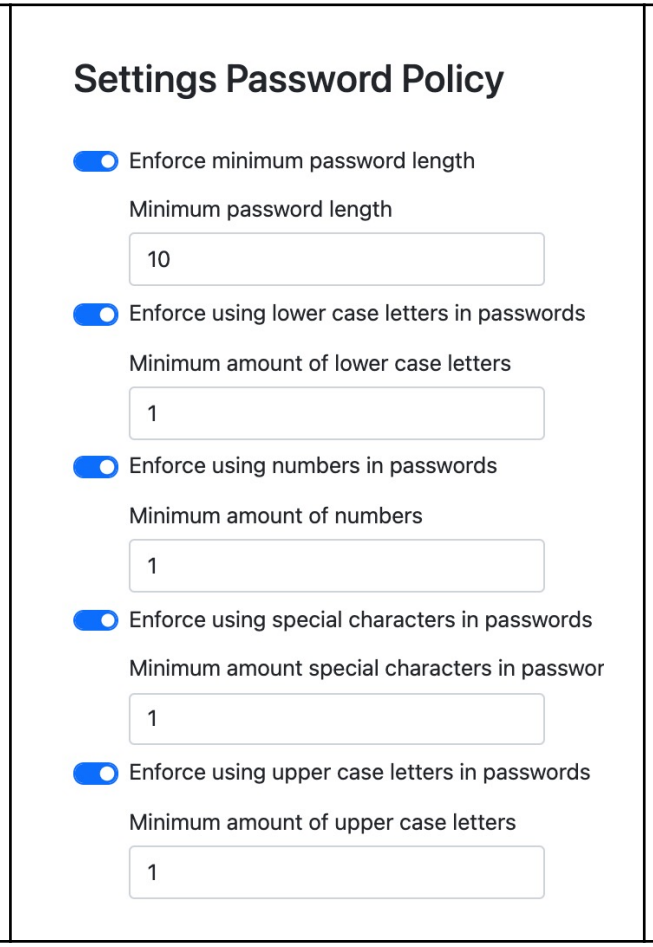
RD SETTINGS APP

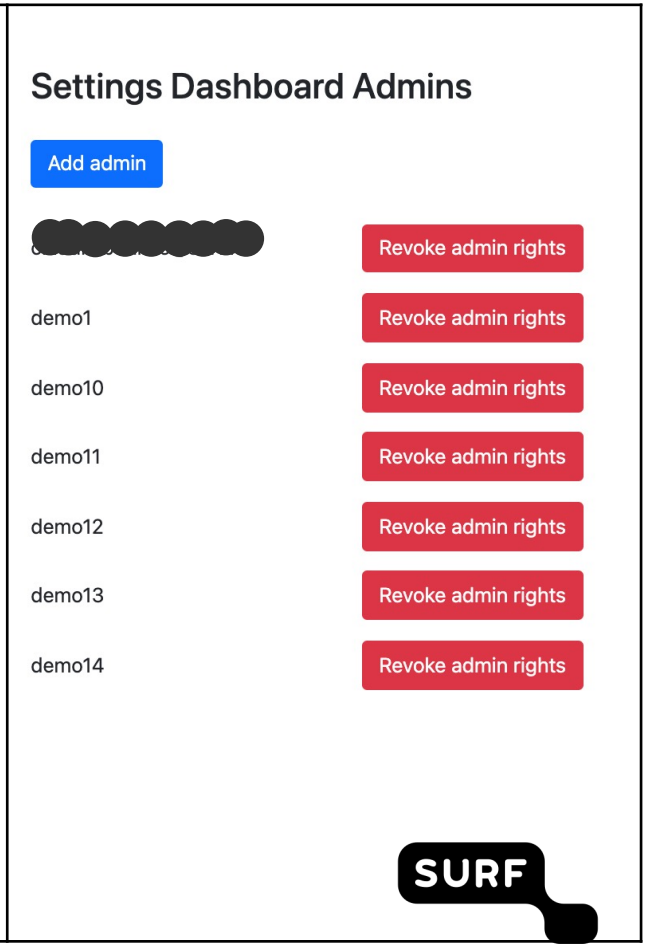
RDSettings

The RDSettings app allows dashboard admins to change certain global settings for their branded Research Drive instance









Some statistics

- Total numbeer of instances: 31
- Total users in all instances: 10880
- Projeect folders: 2121
- Active users in the past 3 months: 4019
- Storage in TB: 465,302
- Shares: 18939
- Publick links: 2939
- Federated shares: 185
- Number of files: 32,908,796

Goals and Future Plans

- Enhance performance and scalability
  - Migration to OCIS (ownCloud infinite scale)
  - Internal optimization and automation
  - Migration to another storage backend
- Security
  - 3 Data center setup
  - Security Audit
- Implement workflows for archiving and publishing data --> (Exploring the Schebo RDS by Univeresity of Münster)
  - Adding metadata
  - Data curation
  - Plugins to connect to repositories

DRIVING INNOVATION TOGETHER

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