RESEARCH DRIVE

A platform for active data management

Narges Zarrabi, SURF

CS3 conference - 6th March 2023

Online Data Services Team

Specialists

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- **Wybrand Lohman**
- **Tjabring van Egten**

Advisors

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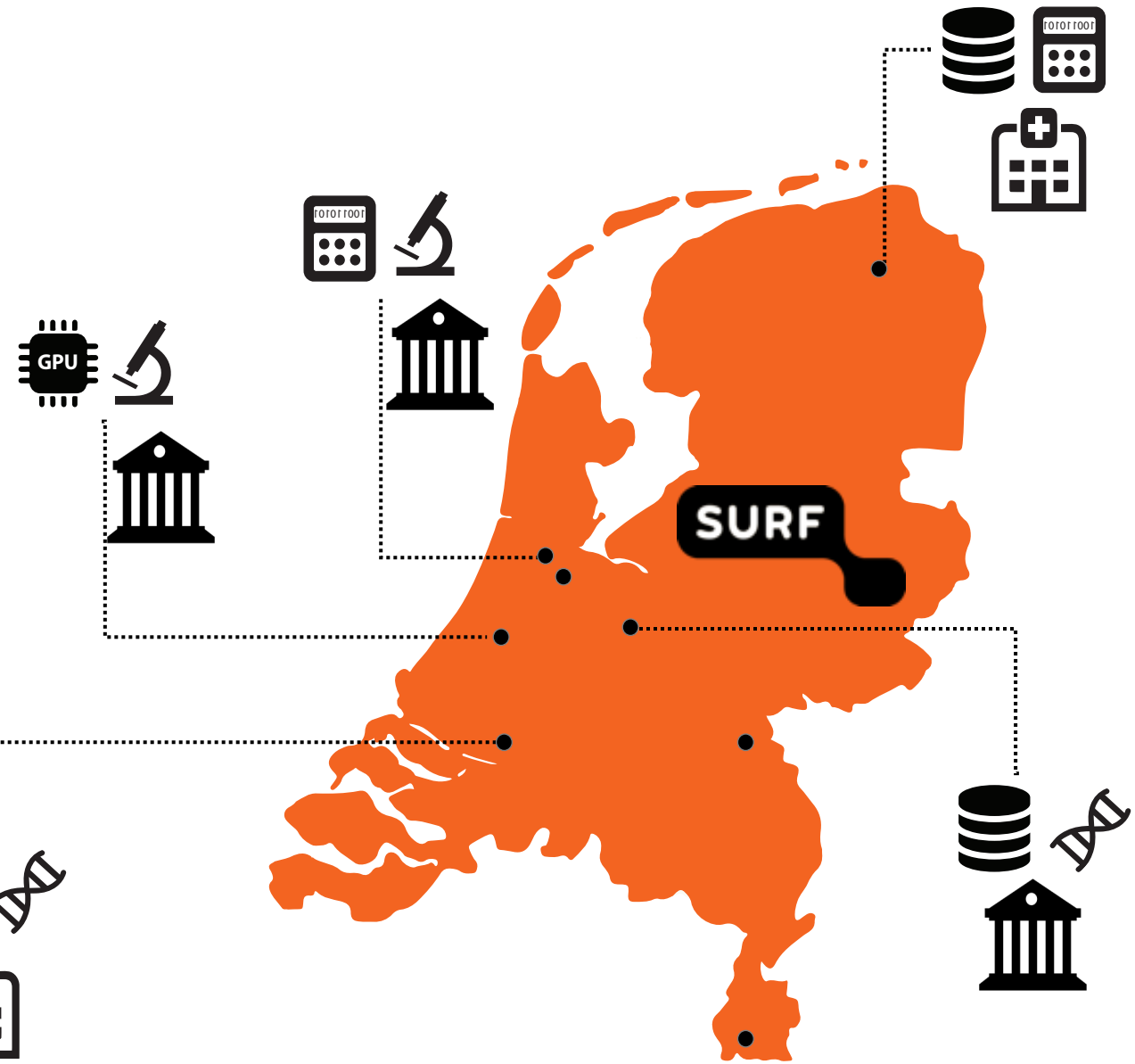
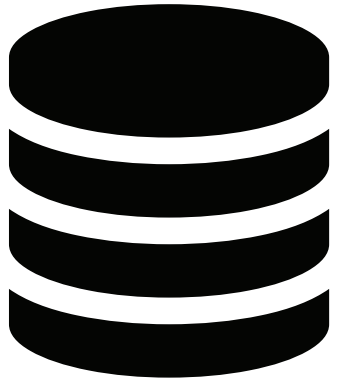
- **Steven Voges**
- **Narges Zarrabi**

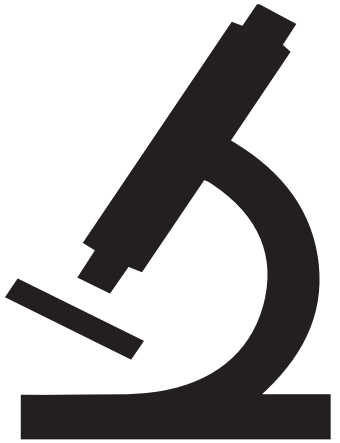
SURF is the collaborative organisation for IT in Dutch education and research

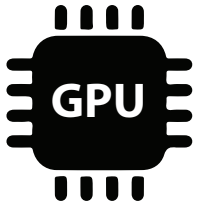
SURF institutes

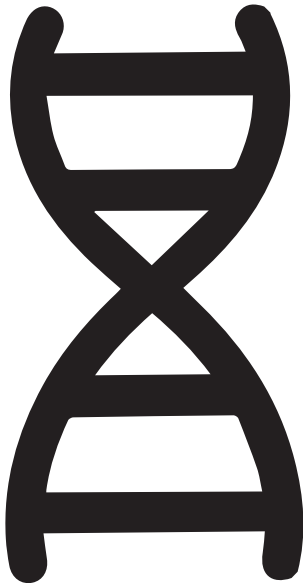
- Research universities
- Universities of applied sciences
- Senior secondary vocational education (mbo) institutions
- University medical centres
- Research institutions
- Other







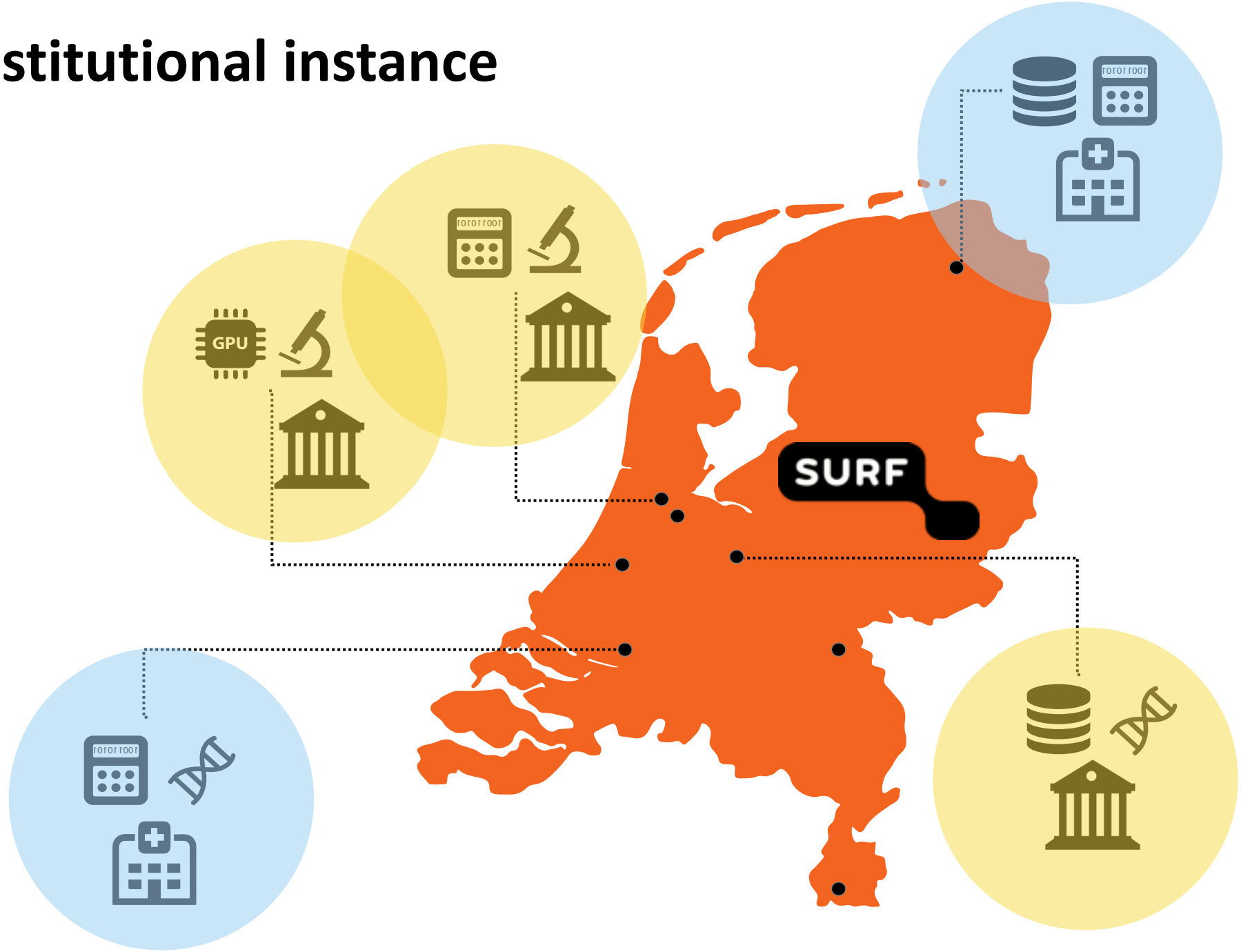




collaboration is a core need

But institutes want to have control…

Research Drive institutional instance



Research Drive in a nutshell

Cloud environment

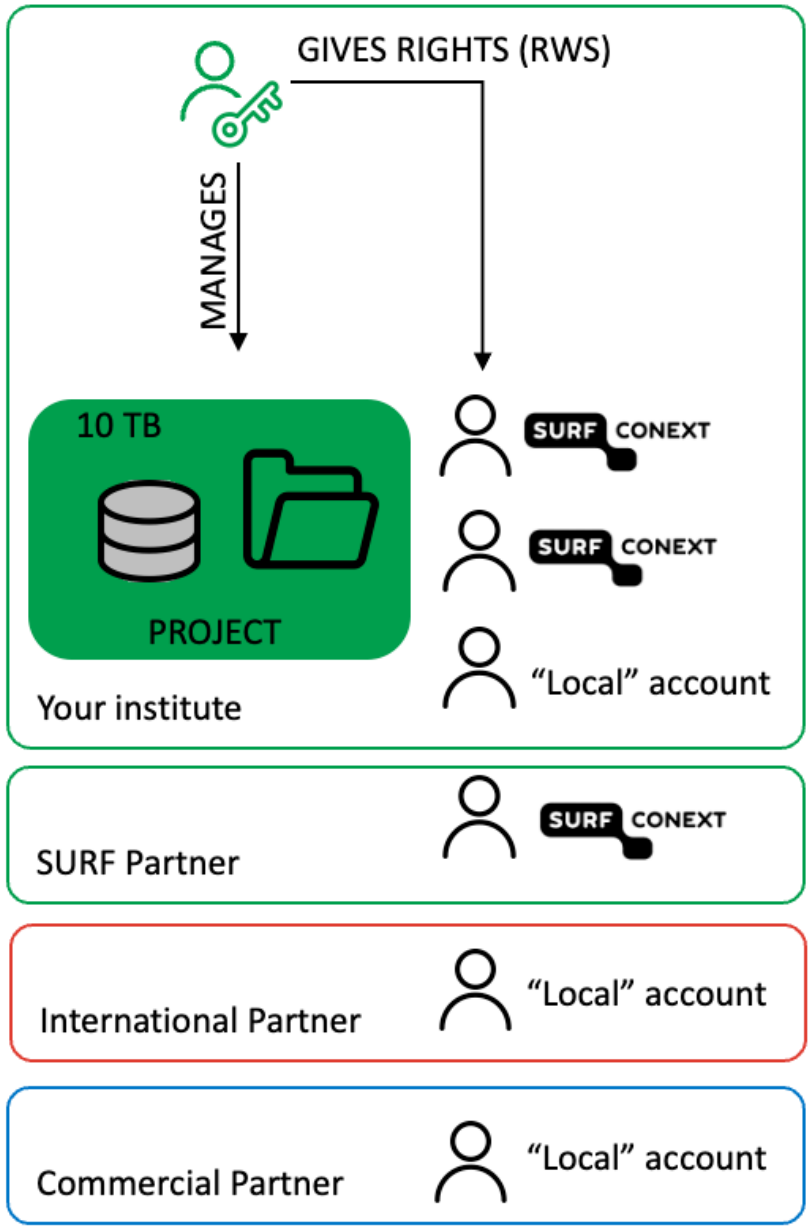
Sync & Share

Collaborative editing

Access for Guests

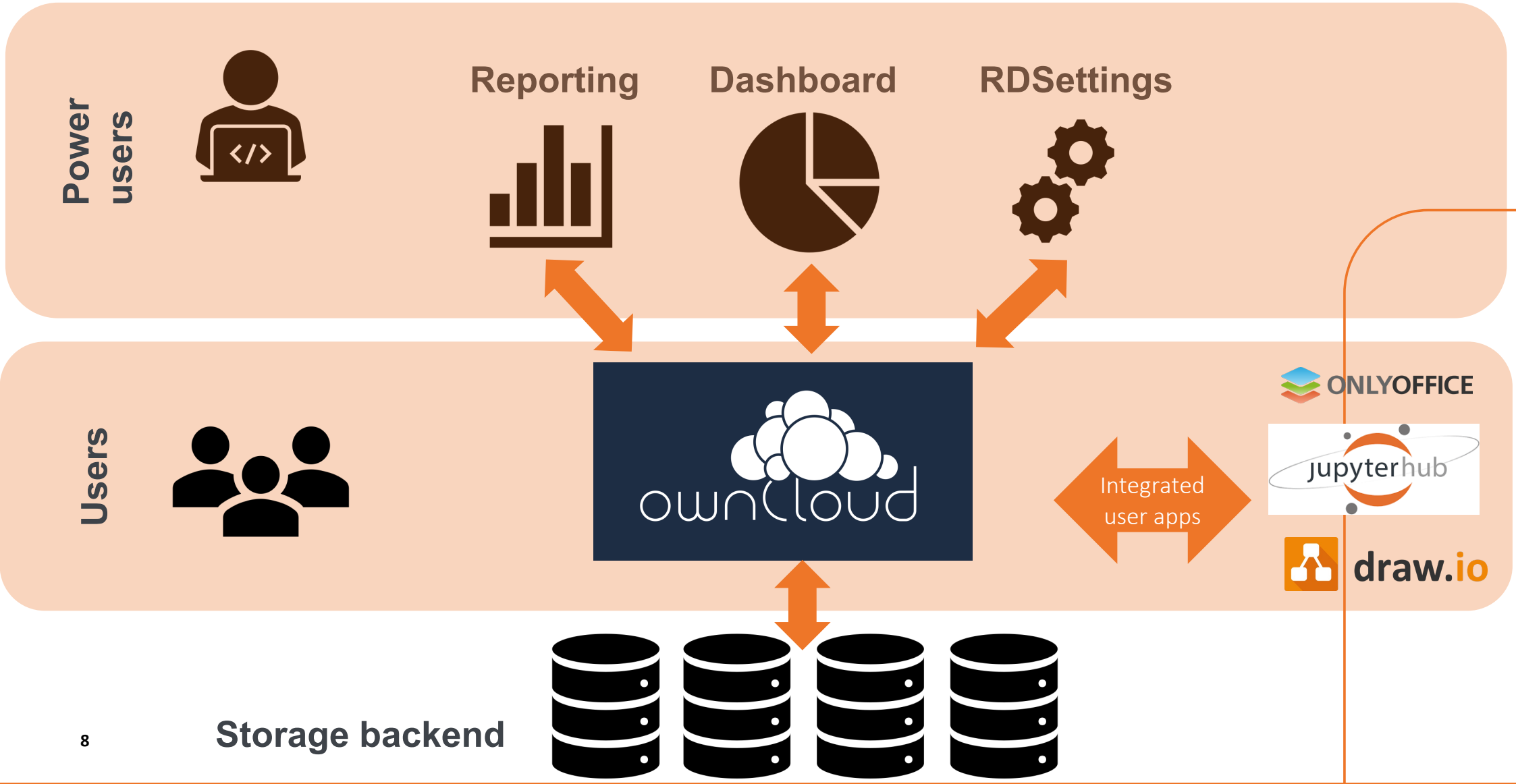
Roles & responsibilities

Unlimited storage



Collaboration within institute and beyond

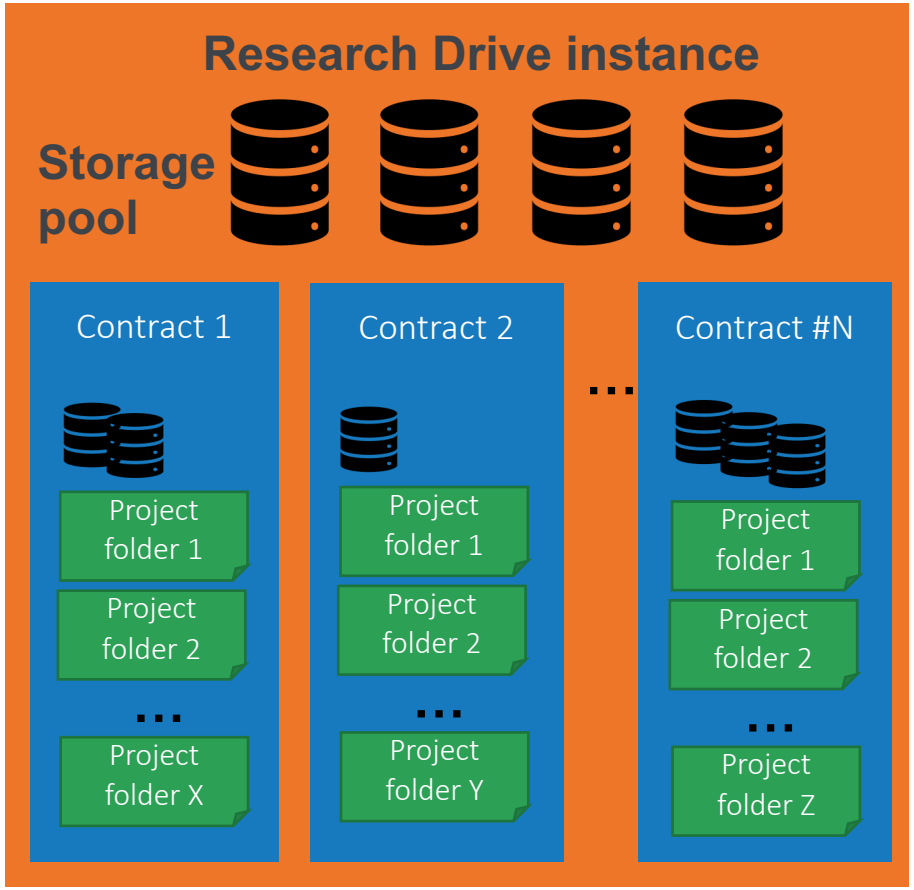
Research Drive, a self-service sync-and-share platform for managing active research data

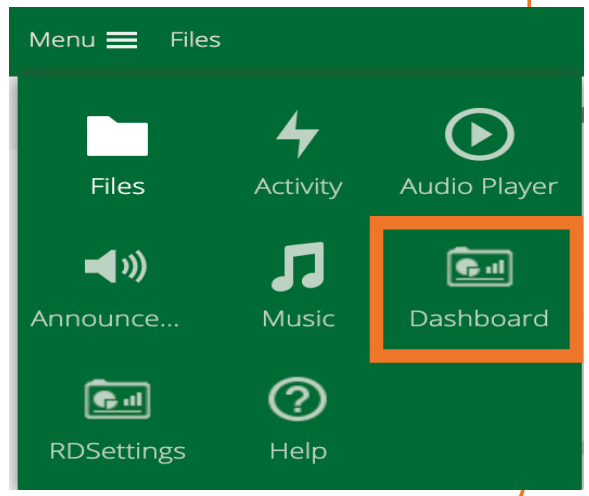


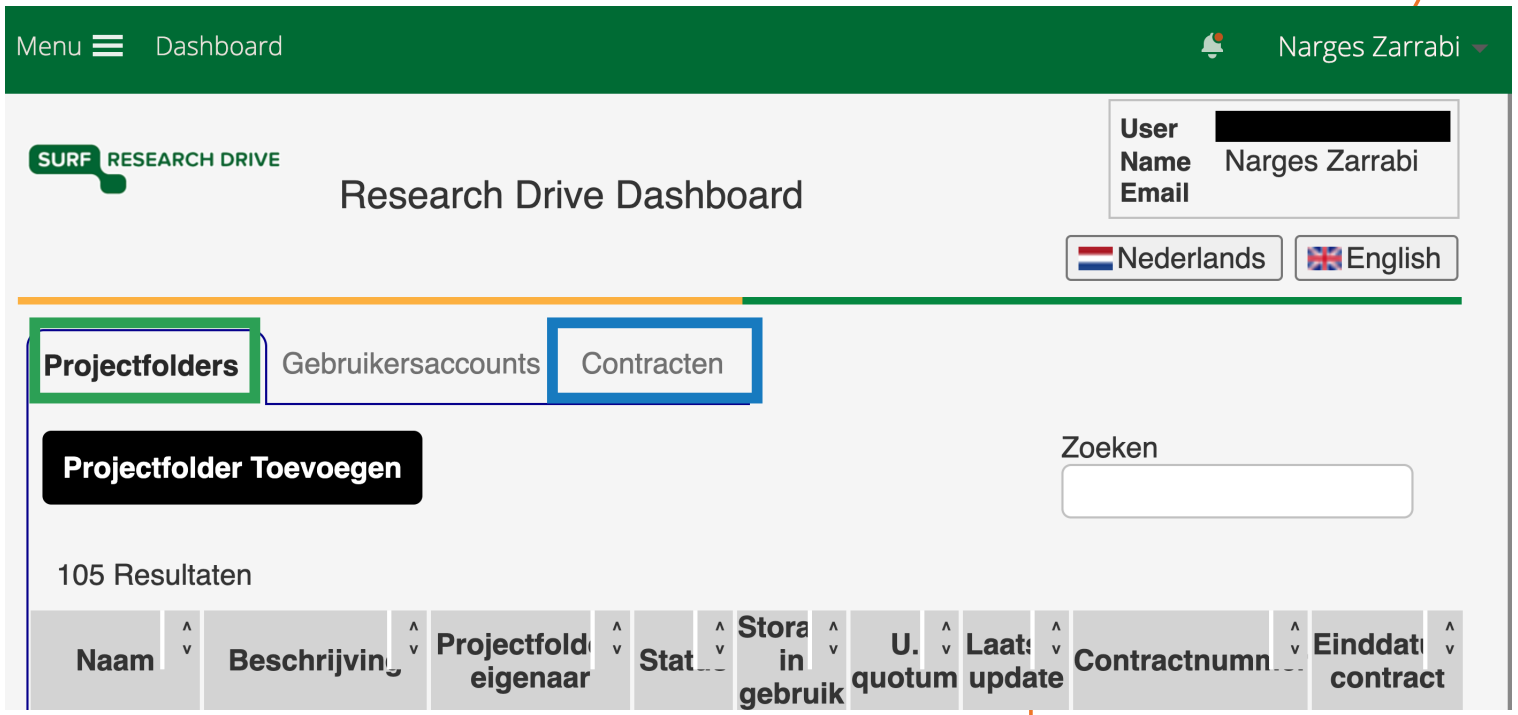
DASHBOARD

Research Drive Dashboard

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

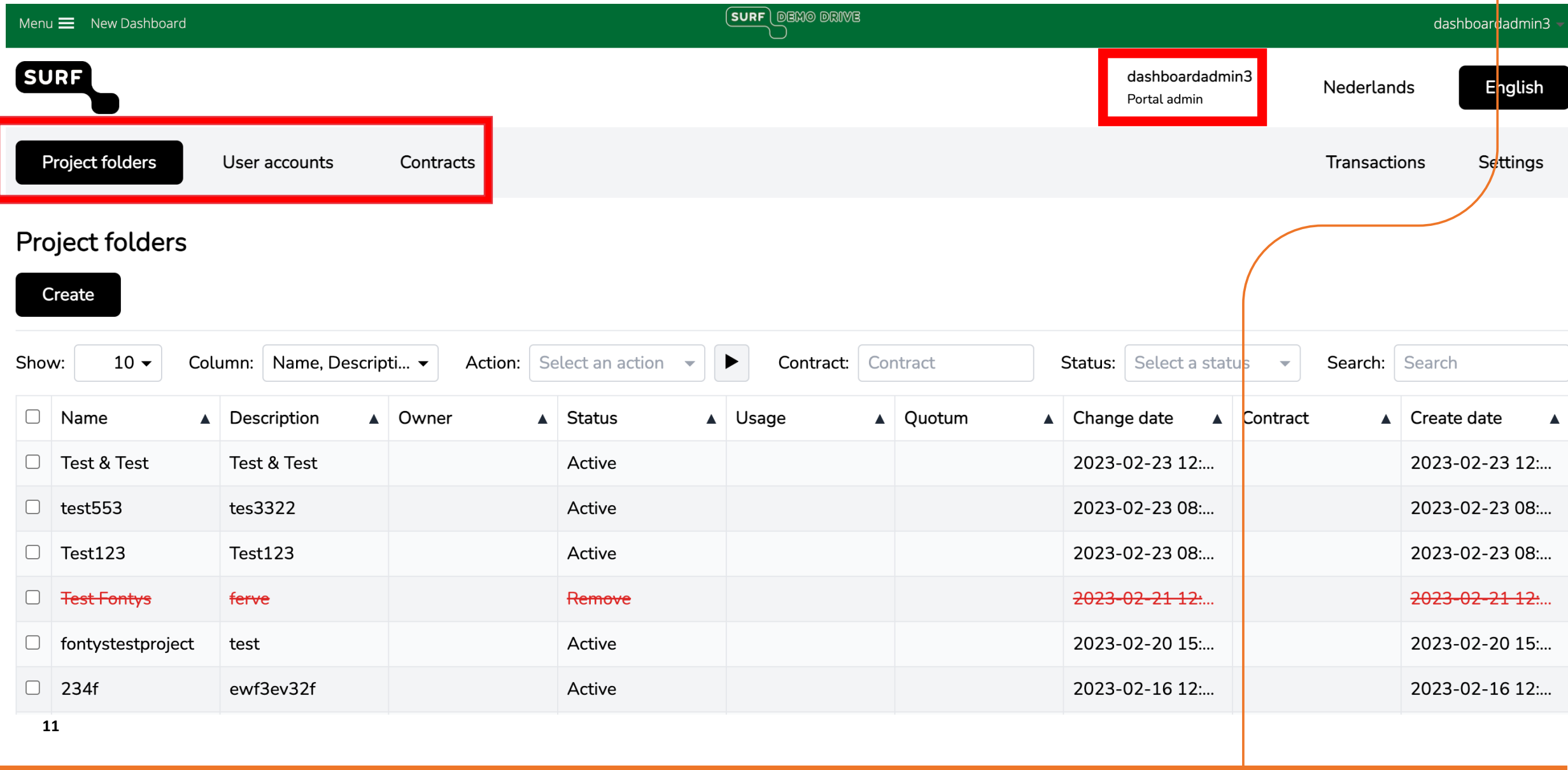




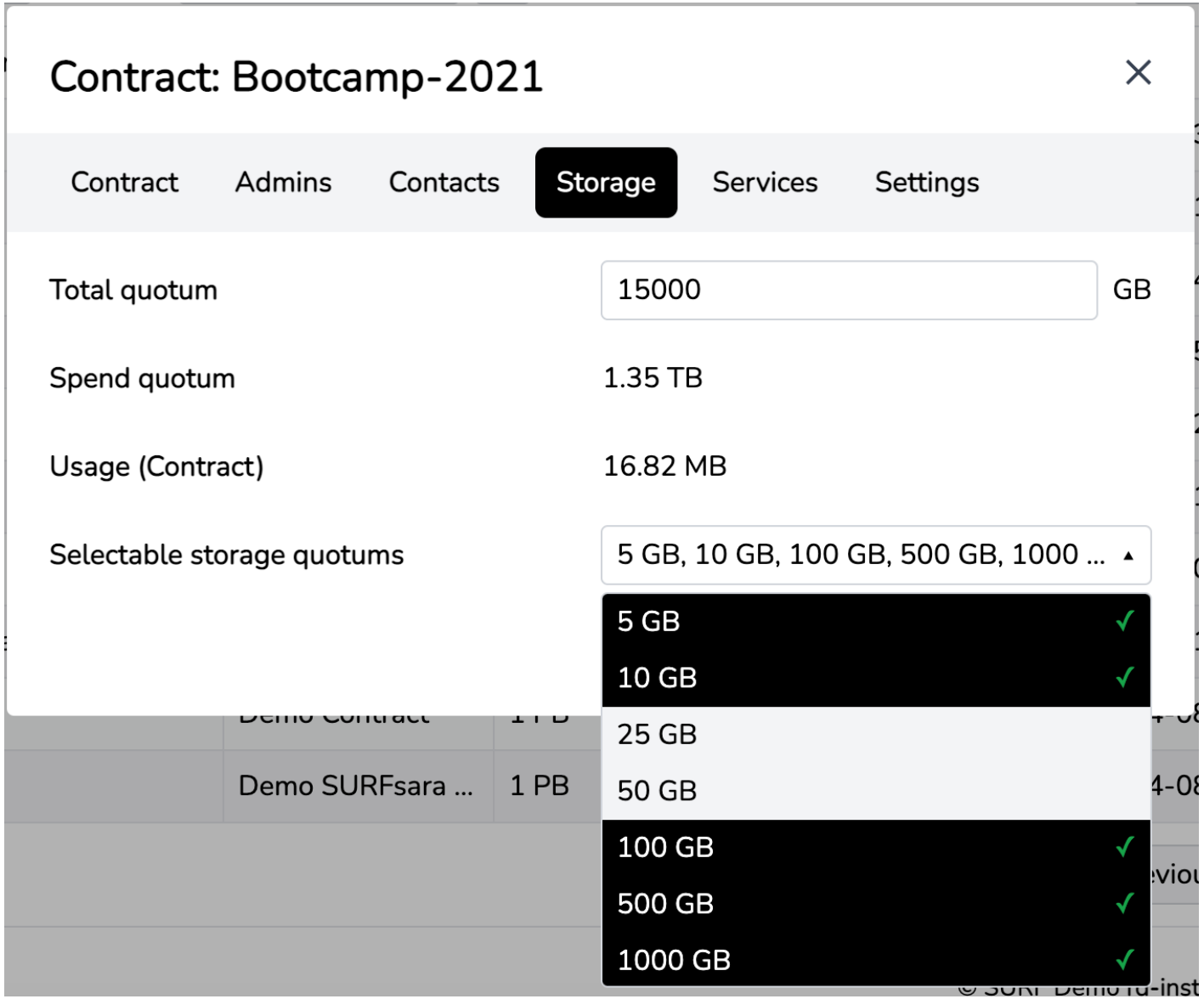


https://wiki.surfnet.nl/display/RDRIVE/Research+Drive+Dashboard

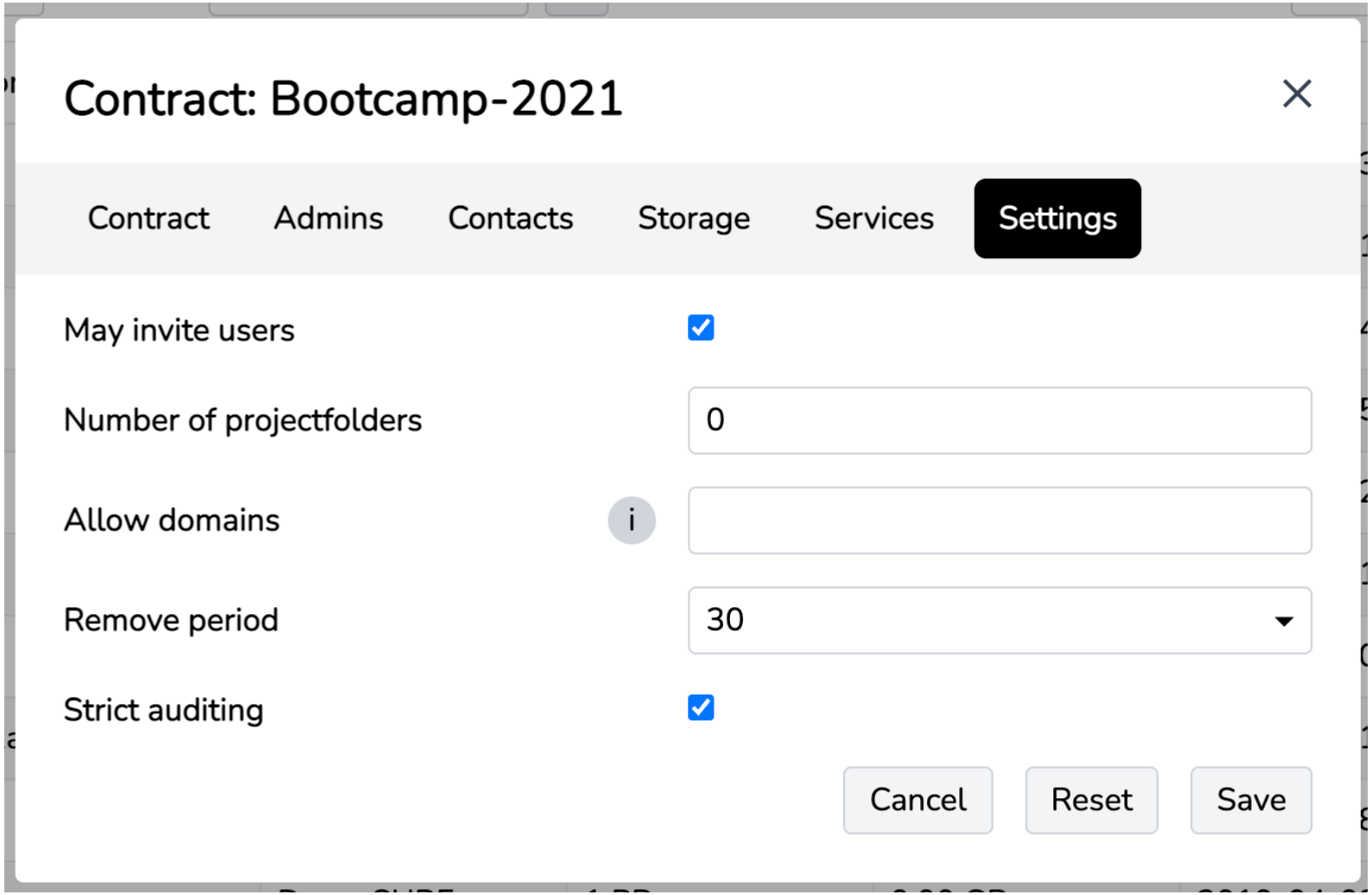
Research Drive Dashboard (New)



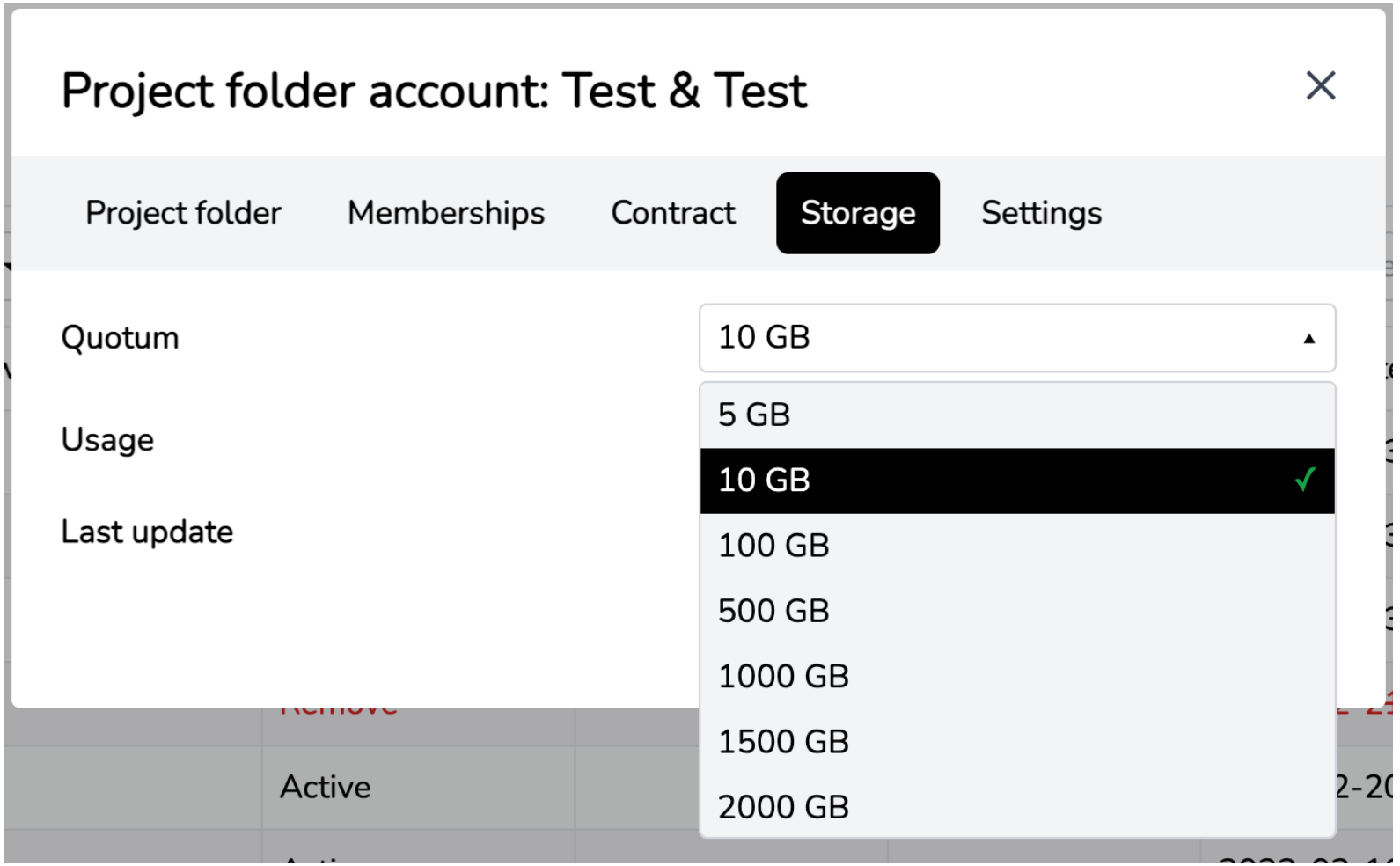
Selectable storage quotas per contract



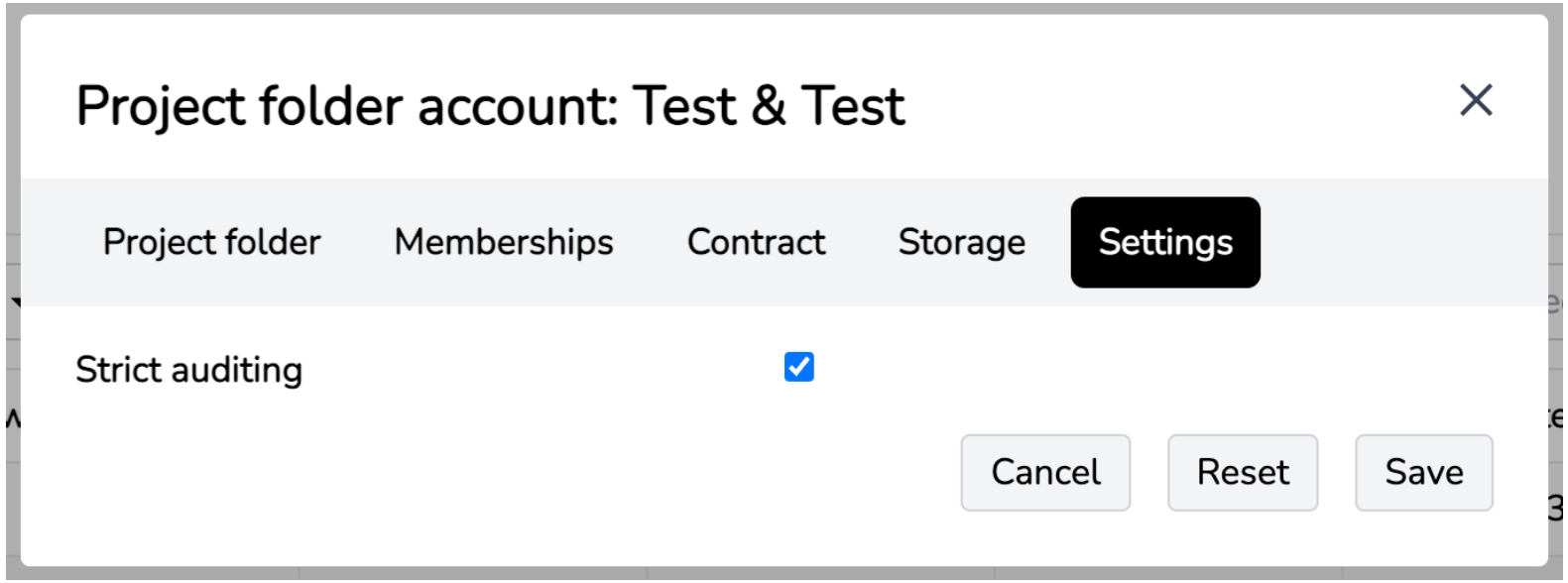
Setting policies at contract level



Flexible quota for project folder

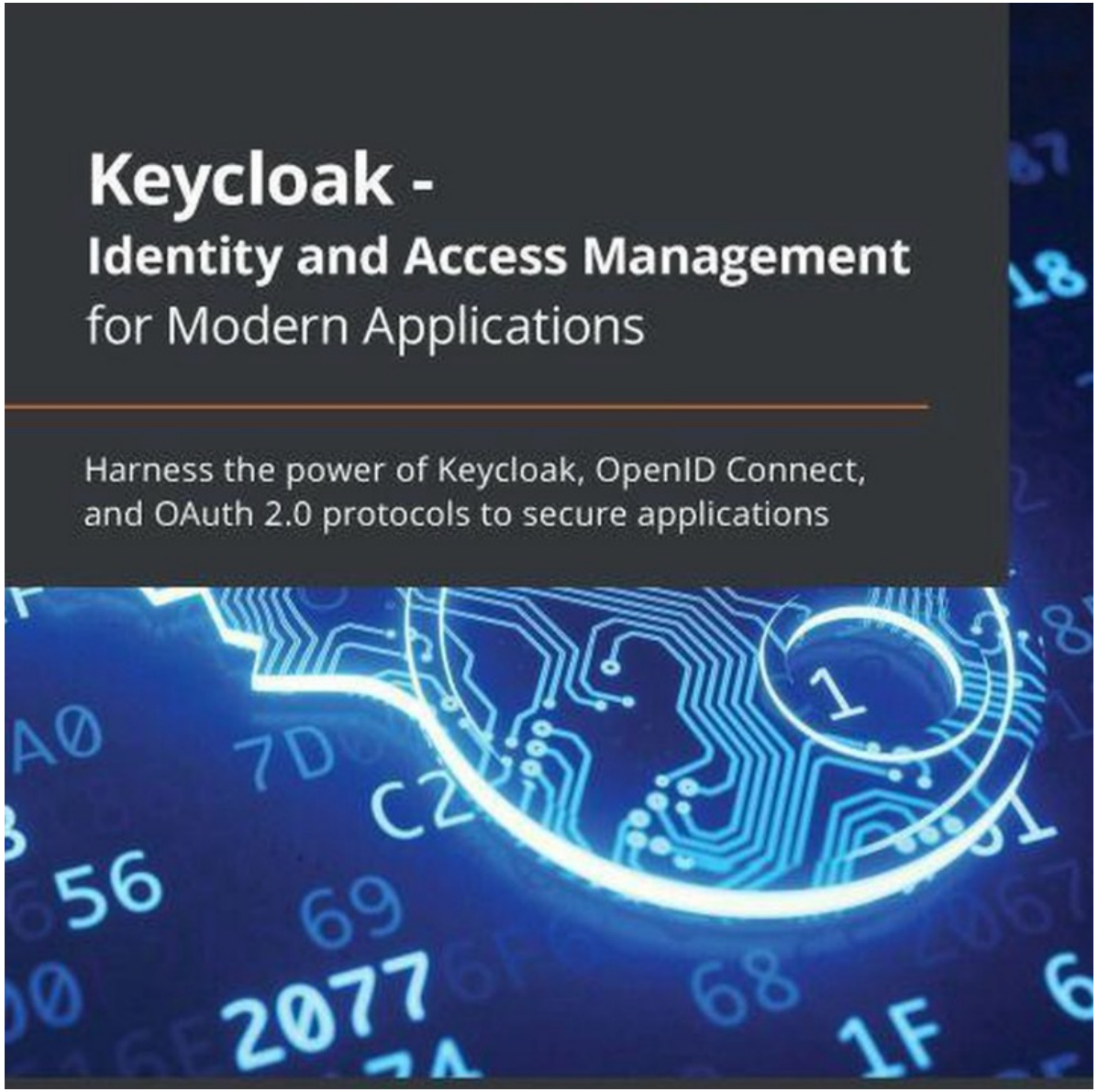


Enabling strict auditing per project folder



Recent Developments

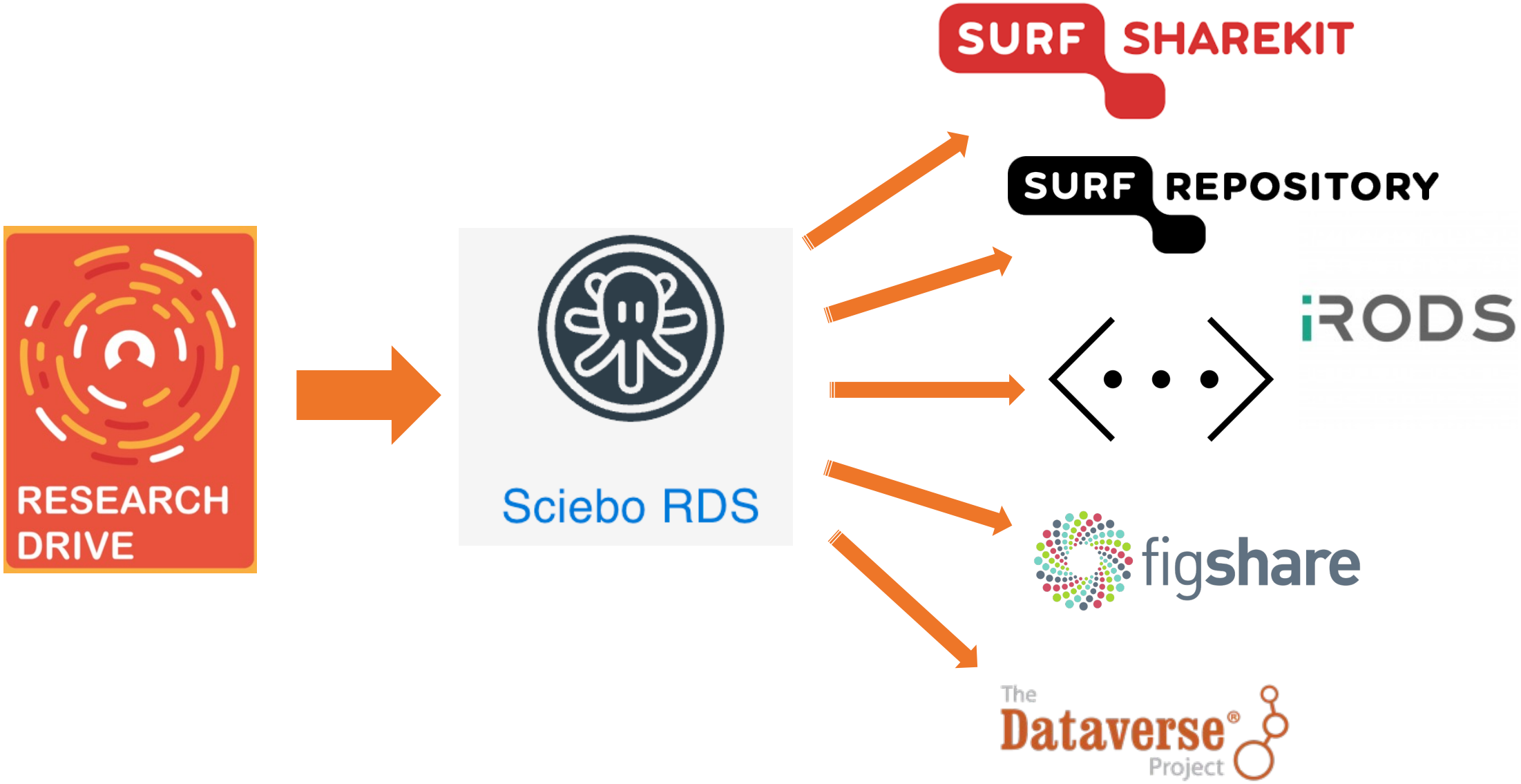
Migration to OpenIDconnect



Migration to a new storage backend

ceph

Sciebo RDS : Arching and publishing data



Strict Auditing & Sensitive data

- closely monitor activities at file system level
- can be configured per project folder or contract bases

Research Drive is growing

	Feb 2021	Feb 2022	Feb 2023
Total number of instances	22	31	35
Total users in all instances	4,500	10,880	16,000+
Total project folders	750	1750	2600+
Storage in TB	100	195	300+

And crossing all sectors..

Universities (WO)	University Applies Sciences (HBO)	University medical centers/ Research Institutes/MBOs/ Other
TU/e Universiteit van Amsterdam Utrecht University Erasmus Universiteit Rotterdam Universiteit Leiden VU Vrije Universiteit Amsterdam Open Universiteit Tilburg University	Hogeschool Utrecht inholland university of applied sciences Zuyd Saxion Hogescholen Fontys Hogeschool van Amsterdam avans hogeschool NHL Stenden hogeschool Aeres Hogeschool Dronten University of Applied Sciences The Hague University of Applied Sciences van hall larenstein university of applied scier hogeschool Leiden Hogeschool Rotterdam CHE Breda University of Applied Sciences Radiant Lerarenopleidingen has hogeschool HAN University of Applied Sciences Hanzehogeschool Groningen University of Applied Sciences	Amsterdam UMC KNMI PBL Netherlands Environmental Assessment Agency Van Gogh Museum Amsterdam RIVM roc van twente

Goals and future plans

➢Enhance performance and scalability

- New storage backend
- Internal optimization and automation

➢Improving user experience & feature requests

- New Dashboard
- SRAM integration
- Archiving and publishing workflows

➢Security and sensitive data

- Strict auditing

THANK YOU

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Driving innovation together!