

RESEARCH DRIVE

A platform for active data management

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CS3 conference - 6th March 2023

| Online Data Services Team

Specialists

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SURF

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



SURF institutes

Research universities

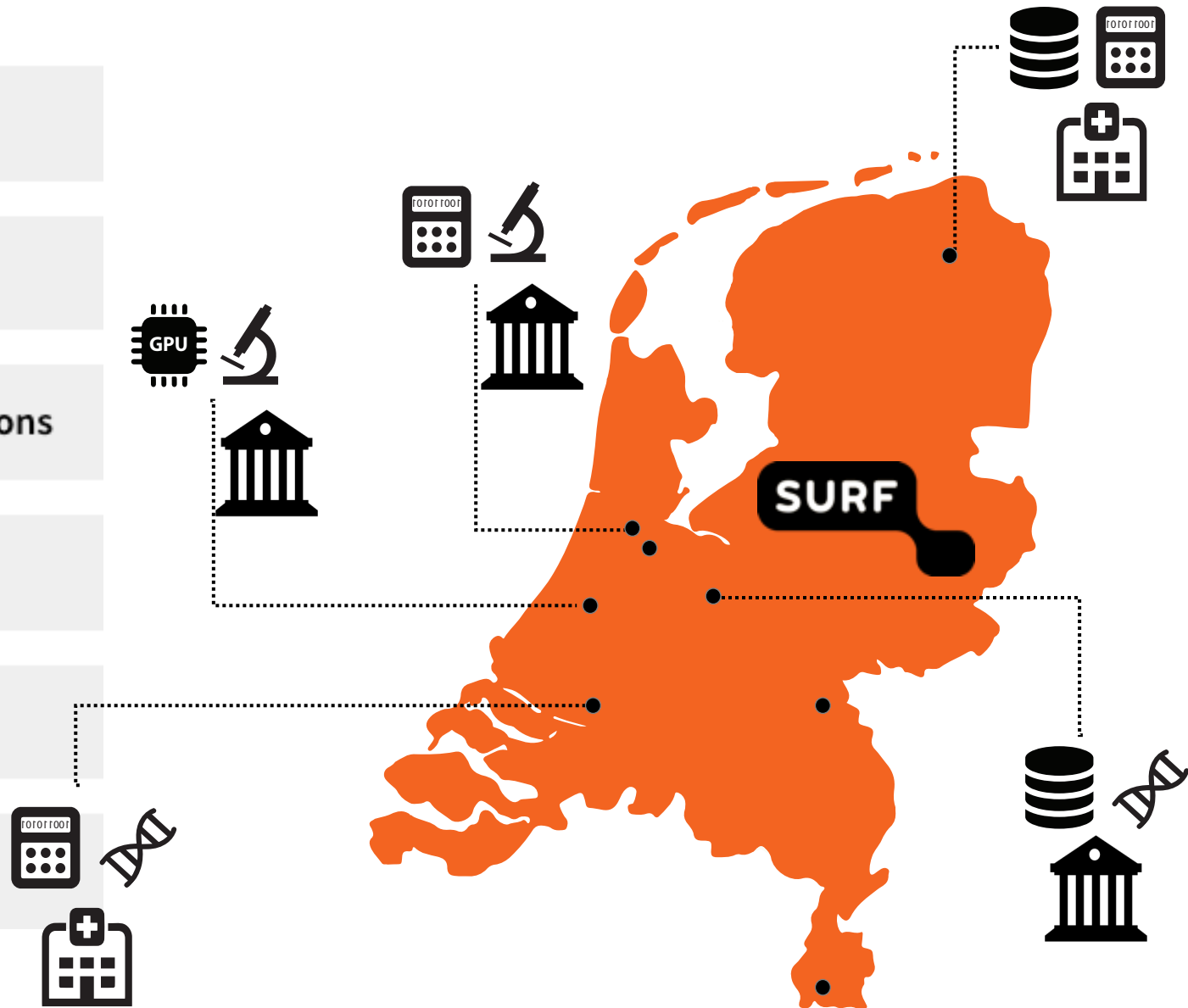
Universities of applied sciences

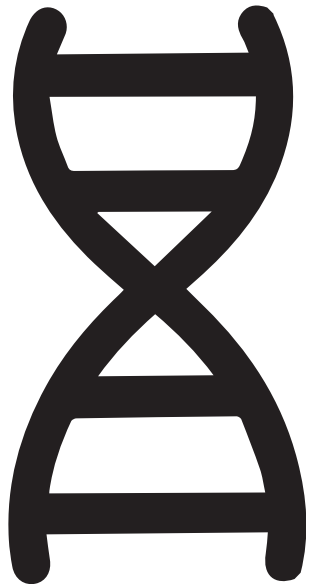
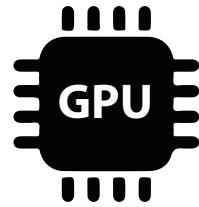
Senior secondary vocational education (mbo) institutions

University medical centres

Research institutions

Other





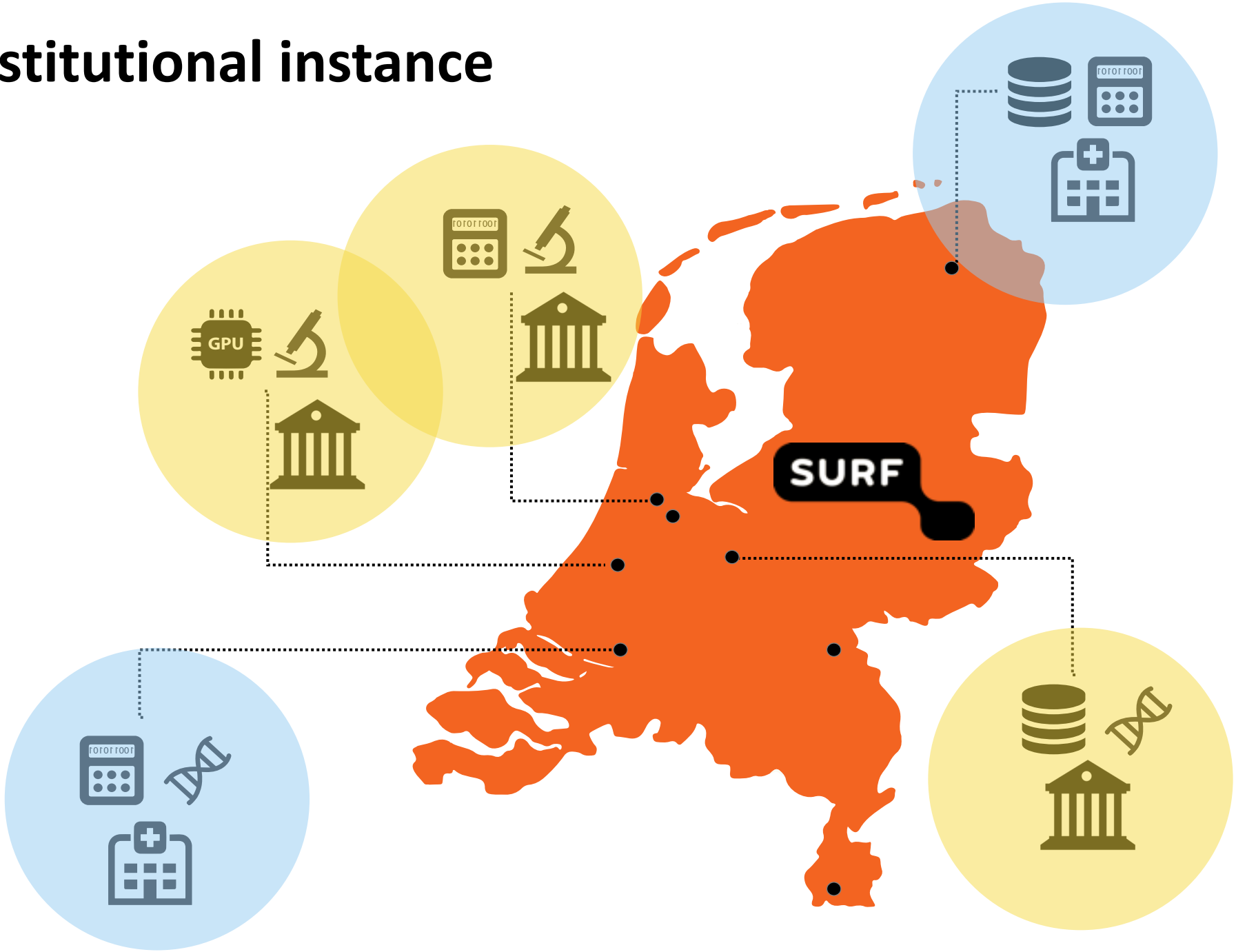
collaboration is a core
need



But institutes want to have control...



Research Drive institutional instance



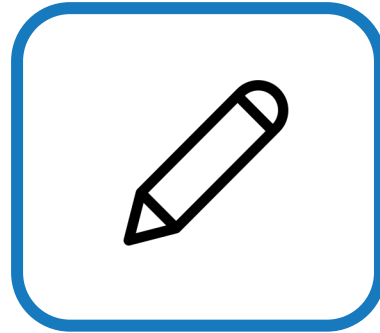
Research Drive in a nutshell



Cloud environment



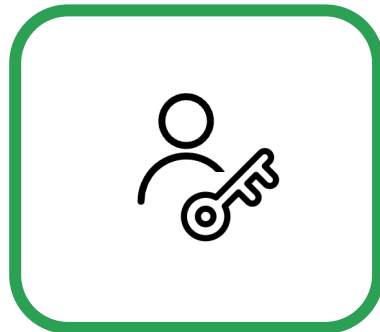
Sync & Share



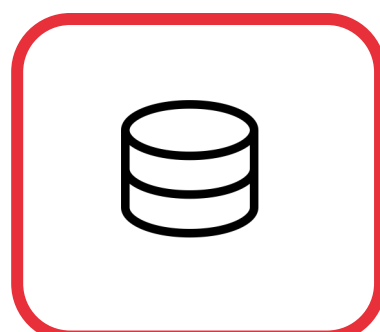
Collaborative editing



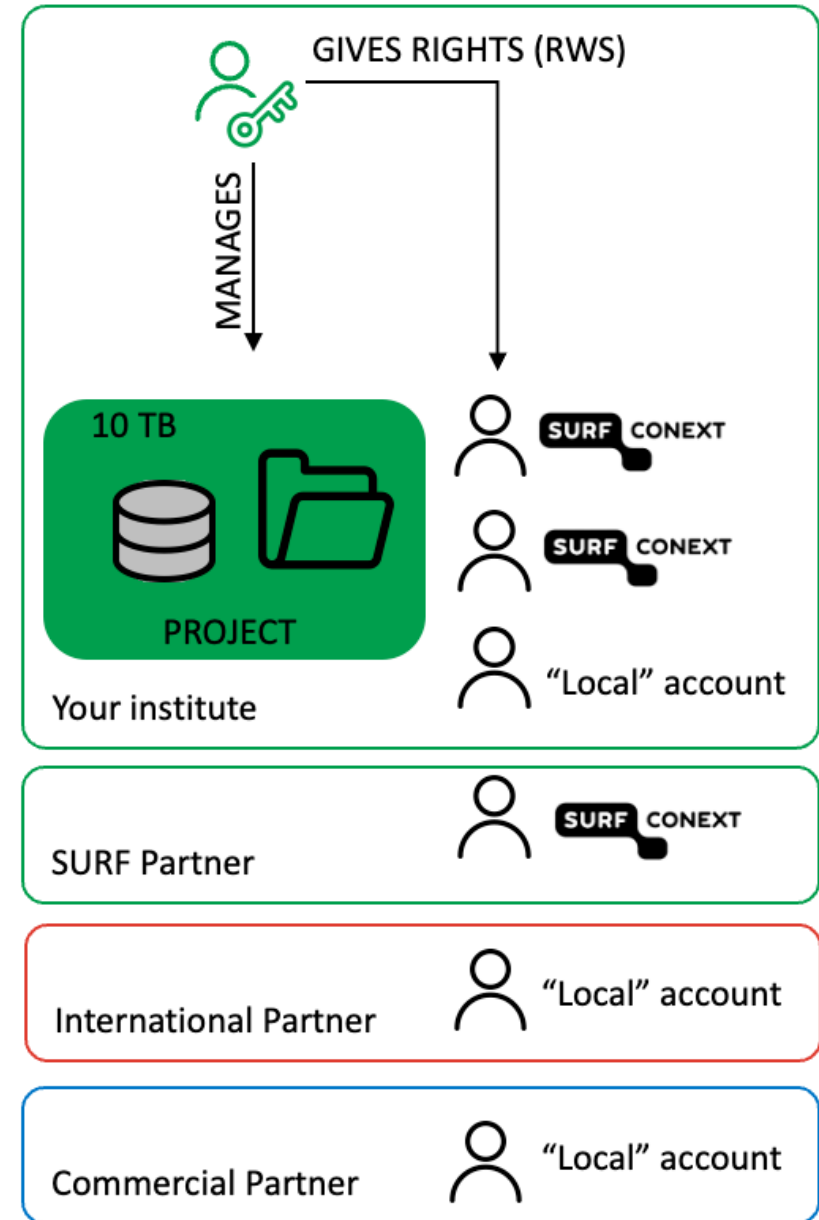
Access for Guests



Roles & responsibilities

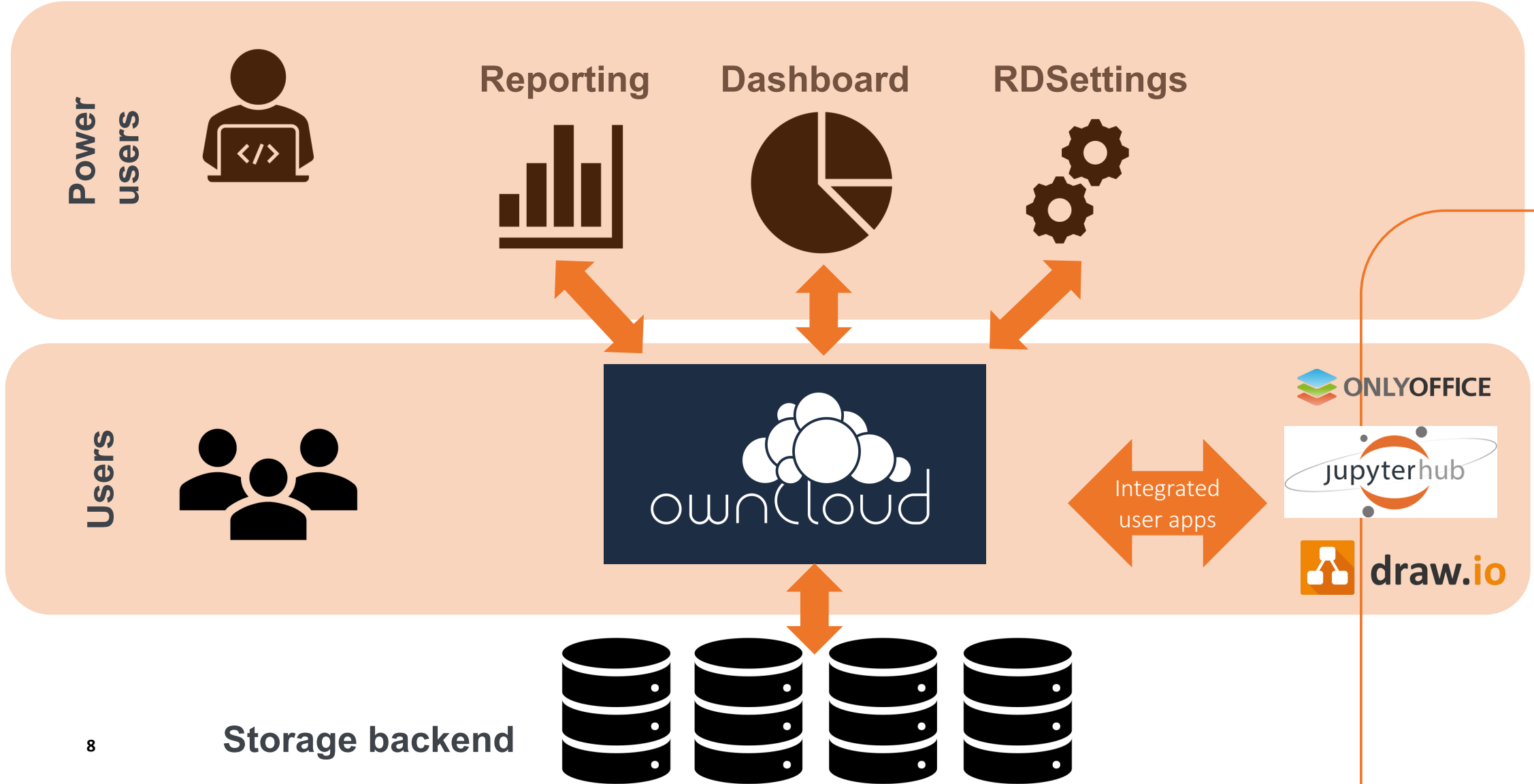


Unlimited storage



Collaboration within institute and beyond

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

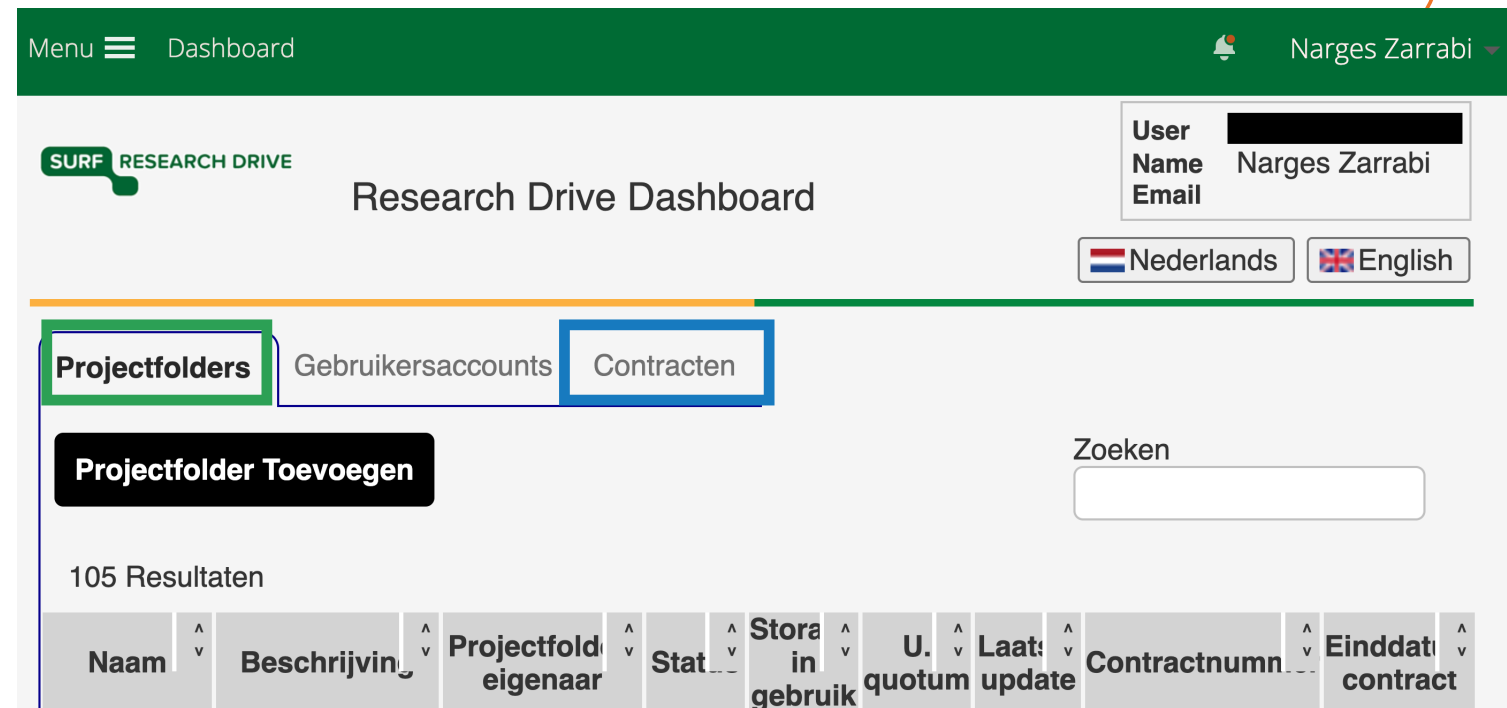
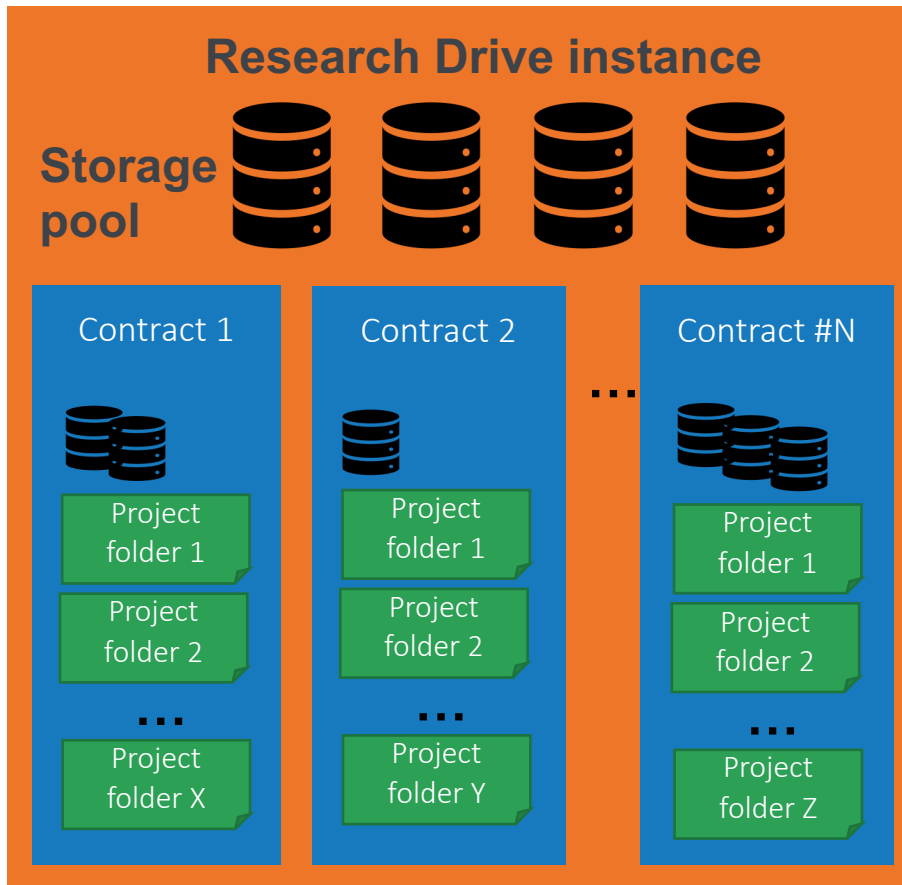
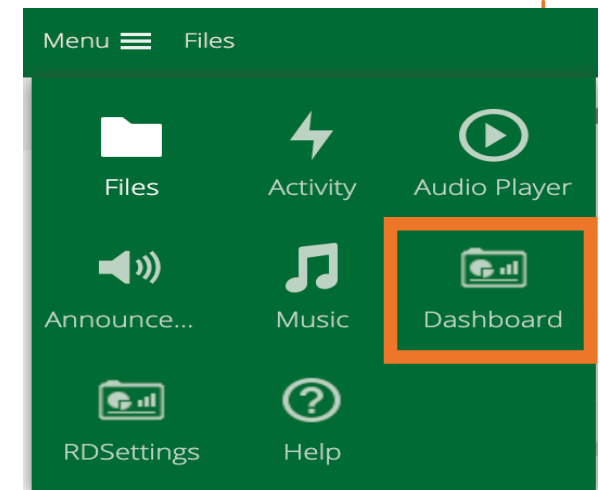


A photograph of a luxury car's interior, featuring a steering wheel with a Bentley logo, a dashboard with wood trim, and cream-colored leather seats. A white text box with a speech bubble tail is overlaid on the left side of the image.

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.



Research Drive Dashboard (New)

Menu  New Dashboard



dashboardadmin3 



dashboardadmin3
Portal admin

Nederlands

English

Project folders

User accounts

Contracts

Transactions

Settings

Project folders

Create

Show: Column: Action:  Contract: Status: Search:

<input type="checkbox"/>	Name ▲	Description ▲	Owner ▲	Status ▲	Usage ▲	Quotum ▲	Change date ▲	Contract ▲	Create date ▲
<input type="checkbox"/>	Test & Test	Test & Test		Active			2023-02-23 12:...		2023-02-23 12:...
<input type="checkbox"/>	test553	tes3322		Active			2023-02-23 08:...		2023-02-23 08:...
<input type="checkbox"/>	Test123	Test123		Active			2023-02-23 08:...		2023-02-23 08:...
<input type="checkbox"/>	TestFontys	ferve		Remove			2023-02-21 12:...		2023-02-21 12:...
<input type="checkbox"/>	fontystestproject	test		Active			2023-02-20 15:...		2023-02-20 15:...
<input type="checkbox"/>	234f	ewf3ev32f		Active			2023-02-16 12:...		2023-02-16 12:...

Selectable
storage
quotas per
contract

Contract: Bootcamp-2021

Contract Admins Contacts **Storage** Services Settings

Total quatum GB

Spend quatum 1.35 TB

Usage (Contract) 16.82 MB

Selectable storage quotums

- 5 GB ✓
- 10 GB ✓
- 25 GB
- 50 GB
- 100 GB ✓
- 500 GB ✓
- 1000 GB ✓

Demo Contract	1 TB
Demo SURFsara ...	1 PB

© SURF Demo tu-inst

Setting policies at contract level

Contract: Bootcamp-2021

Contract Admins Contacts Storage Services **Settings**

May invite users

Number of projectfolders

Allow domains

Remove period

Strict auditing

Cancel Reset Save

**Flexible
quota for
project
folder**

Project folder account: Test & Test

Project folder Memberships Contract **Storage** Settings

Quotum	10 GB
Usage	5 GB
Last update	10 GB ✓
	100 GB
	500 GB
	1000 GB
	1500 GB
	2000 GB

Remove

Active

**Enabling
strict auditing
per project
folder**

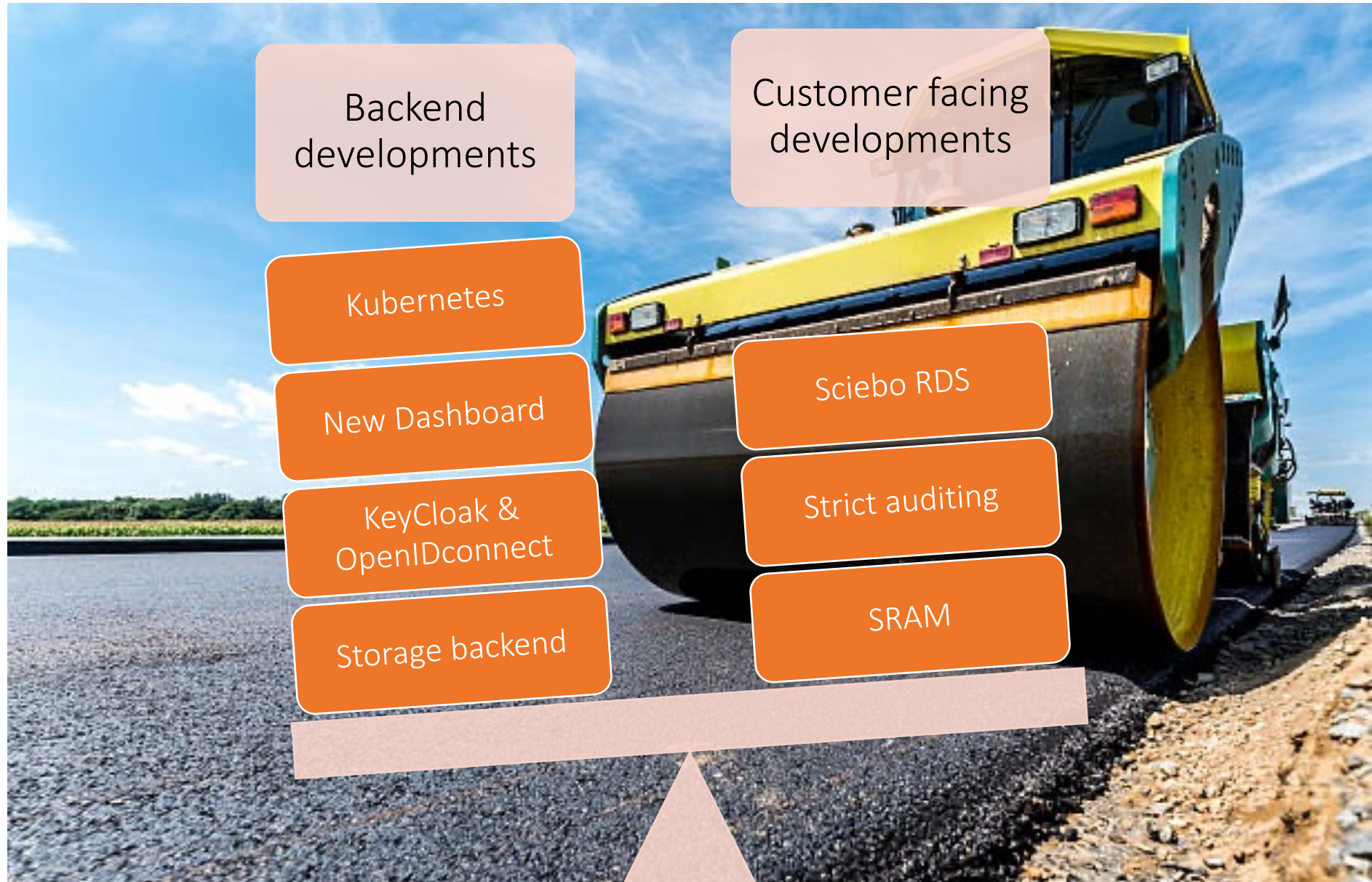
Project folder account: Test & Test ×

Project folder Memberships Contract Storage **Settings**

Strict auditing

Cancel Reset Save

Recent Developments



Migration to OpenIDconnect

Keycloak - Identity and Access Management for Modern Applications

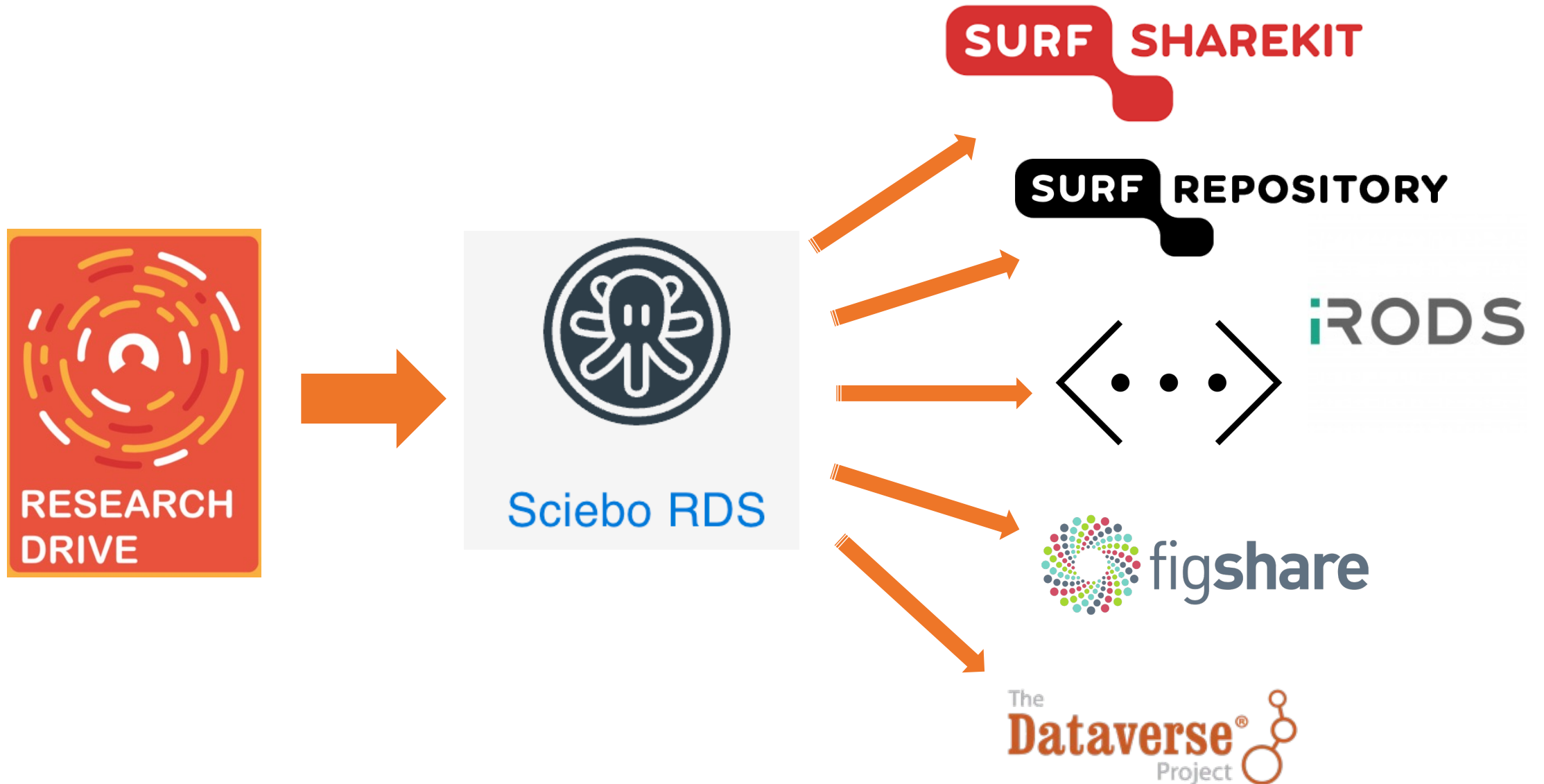
Harness the power of Keycloak, OpenID Connect,
and OAuth 2.0 protocols to secure applications



Migration to a new storage backend



Sciebo RDS : Archiving and publishing data



Strict Auditing & Sensitive data

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







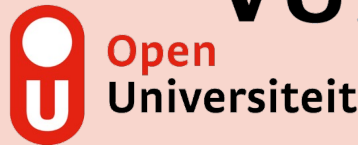




















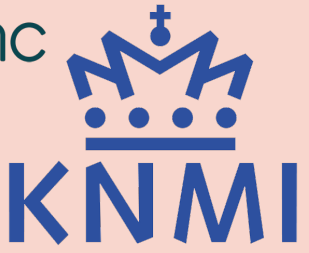






Research Drive is growing

	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
  <p>UNIVERSITEIT VAN AMSTERDAM</p>  <p>Utrecht University</p>  <p>ERASMUS UNIVERSITEIT ROTTERDAM</p>  <p>Universiteit Leiden</p>  <p>VRIJE UNIVERSITEIT AMSTERDAM</p>  <p>Open Universiteit</p>  <p>TILBURG UNIVERSITY</p>	                 	 <p>Amsterdam UMC</p>  <p>KNMI</p>  <p>PBL Netherlands Environmental Assessment Agency</p>  <p>Van Gogh Museum Amsterdam</p>  <p>RIVM</p>  <p>ROC van twente</p>

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!

