

The SURF logo is a black speech bubble with the word "SURF" in white, bold, uppercase letters. It is positioned in the upper left corner of the slide.

SURF

The background is a high-angle, 3D-rendered illustration of a modern library. It features long, white study tables with wooden edges, rows of bookshelves filled with books, and a person sitting at a table working on a laptop. The lighting is bright and even, creating a clean, professional atmosphere.

SURF Research Access Management (SRAM)

Arnout Terpstra

16 January, 2023

Identification – Authentication – Authorisation



Identification
Who are you?

Identifying attributes:

- UserID
- Name
- E-mail



Authentication
Proof who you are

- Username/Password
- MFA (fingerprint, token)
- Pin



Authorisation
What can you do?

- Access control list
- Permissions based on userID, attributes or group membership

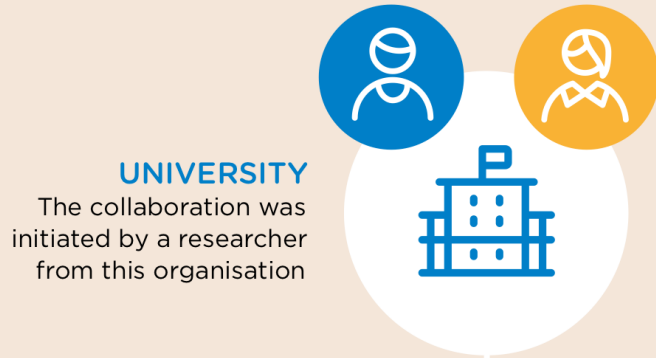
| Classic vs. Federated access

'Classic' access

- Identification + authentication: register account and password *at each service*
- Authorisation: permissions given (eg. based on subscriptions) *by the service*

'Federated' access

- Connection with central login system (Identity & Access Management)
- Authentication is done *external from the service*
- There must be *trust* between the service and the identity provider



PARTICIPATING ORGANISATIONS IN COLLABORATION

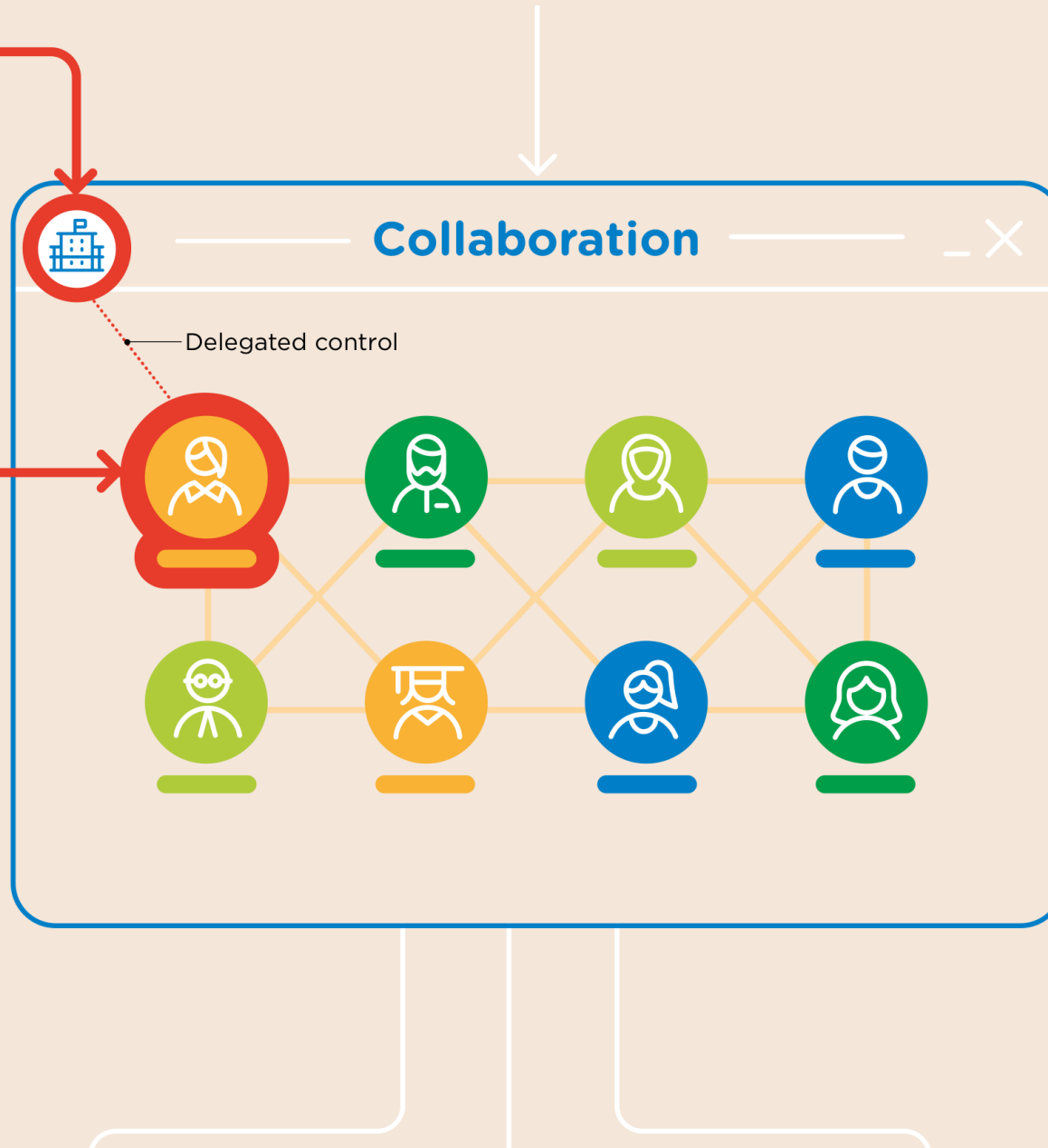
COORDINATING INSTITUTION

The coordinating institution has signed an agreement with SURF to use SRAM for their collaborations. This institution acts as the data controller for these collaborations.

PRINCIPAL INVESTIGATOR

The principal investigator (P.I.) acts as collaboration administrator and:

- initiates the collaboration
- invites others to join
- makes services accessible for this collaboration after arranging necessary agreements
- can appoint other collaboration administrators



RESEARCH COLLABORATION



WEB SERVICE

For example: scientific services such as data repositories, visual analytics and statistical modelling



WEB SERVICE

For example: supporting tools such as wikis, file sharing tools and code repositories



NON-WEB SERVICE

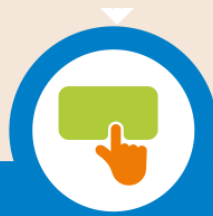
Services not accessible through a web browser, such as a High Performance Compute cluster or storage systems

SERVICES

Want to learn more?



GO TO [SURF.NL/SRAM](https://surf.nl/sram)
INTERESTED? CONTACT US AT [SRAM-SUPPORT@SURF.NL](mailto:sram-support@surf.nl)



LOGIN

SURF Research Access Management



SECURITY

All users log in with
2-factor authentication



DELEGATED ACCESS CONTROL

The collaboration admin
manages members and
authorisations



GDPR

All privacy info in one
place, easily accessi-
ble to researchers and
organisation admins

| SURF Research Access Management

For researchers who collaborate

- Manage access to multiple services in one place
 - Delegate user management to others
- Invite users from all over the world, using their institutional account
 - Also collaborate with 'guest' users
- Get notifications about inactive collaborations and users
- Comply with institutional policies and regulations

For services

- Stop storing passwords and no more "I forgot my password" emails
- More confidence that users are who they say they are, and that they really are researchers, teachers or students
- Ensure all users logging in use MFA
 - Even 'guest' users
- Choose for which organisations your service becomes active



**Thank you for
your attention!**

✉ arnout.terpstra@surf.nl

SURF