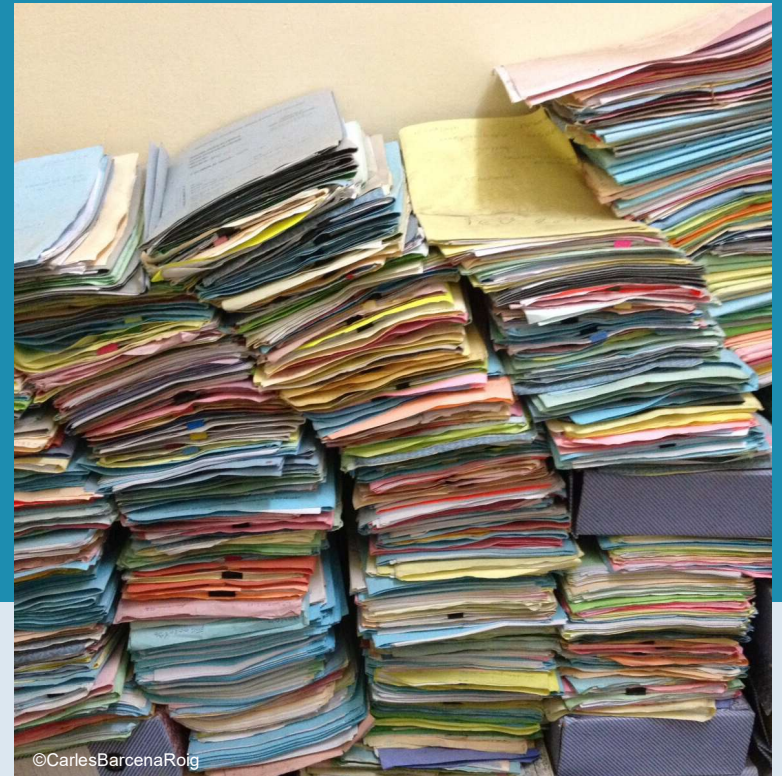
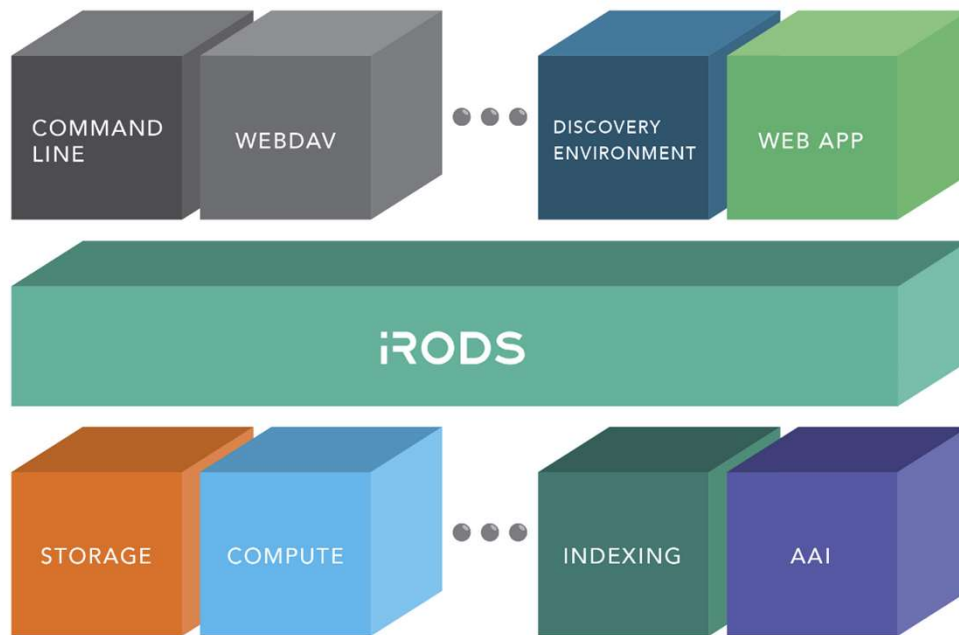


## 03. KU Leuven testbed



# KU Leuven iRODS: the team



Management  
Coordination



User Support  
Policies  
Documentation

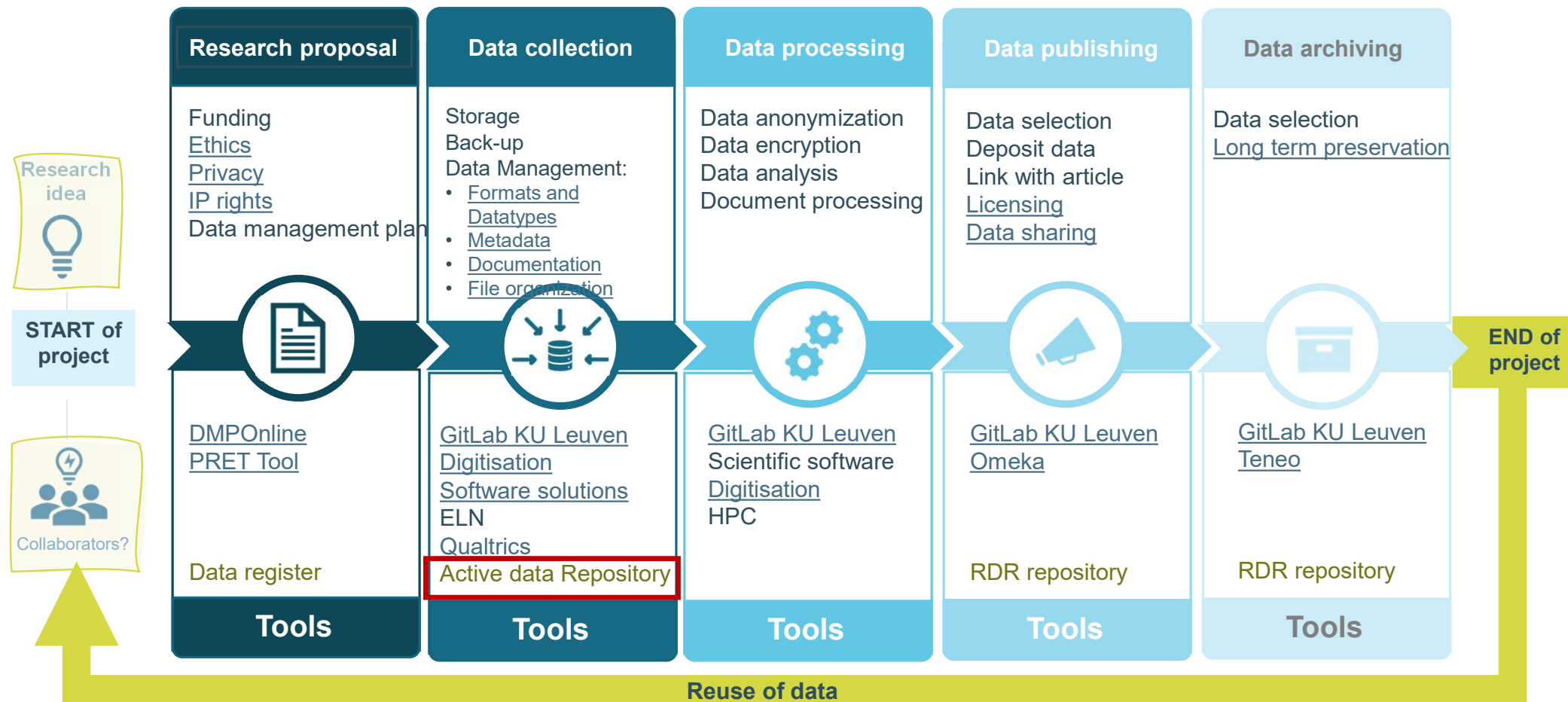


iRODS middleware

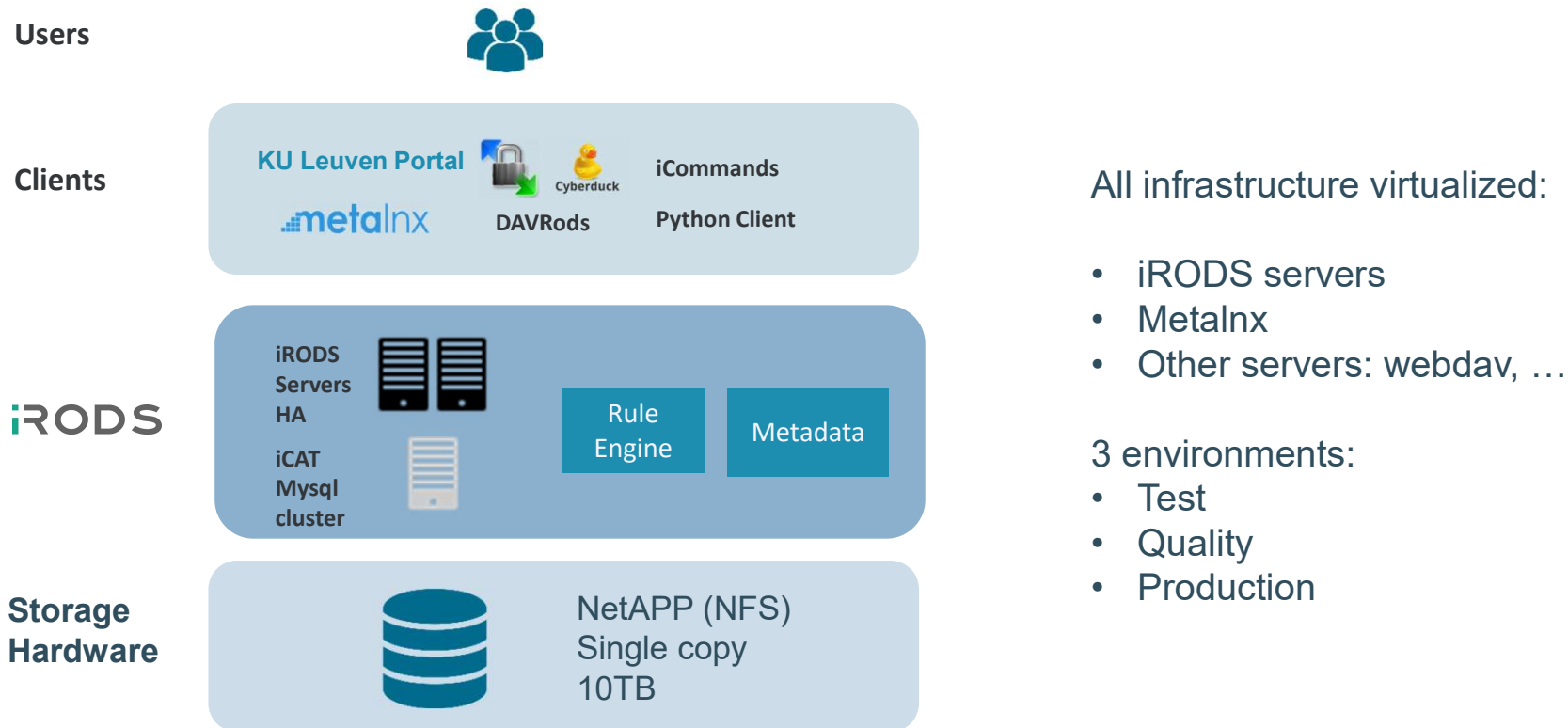


Storage

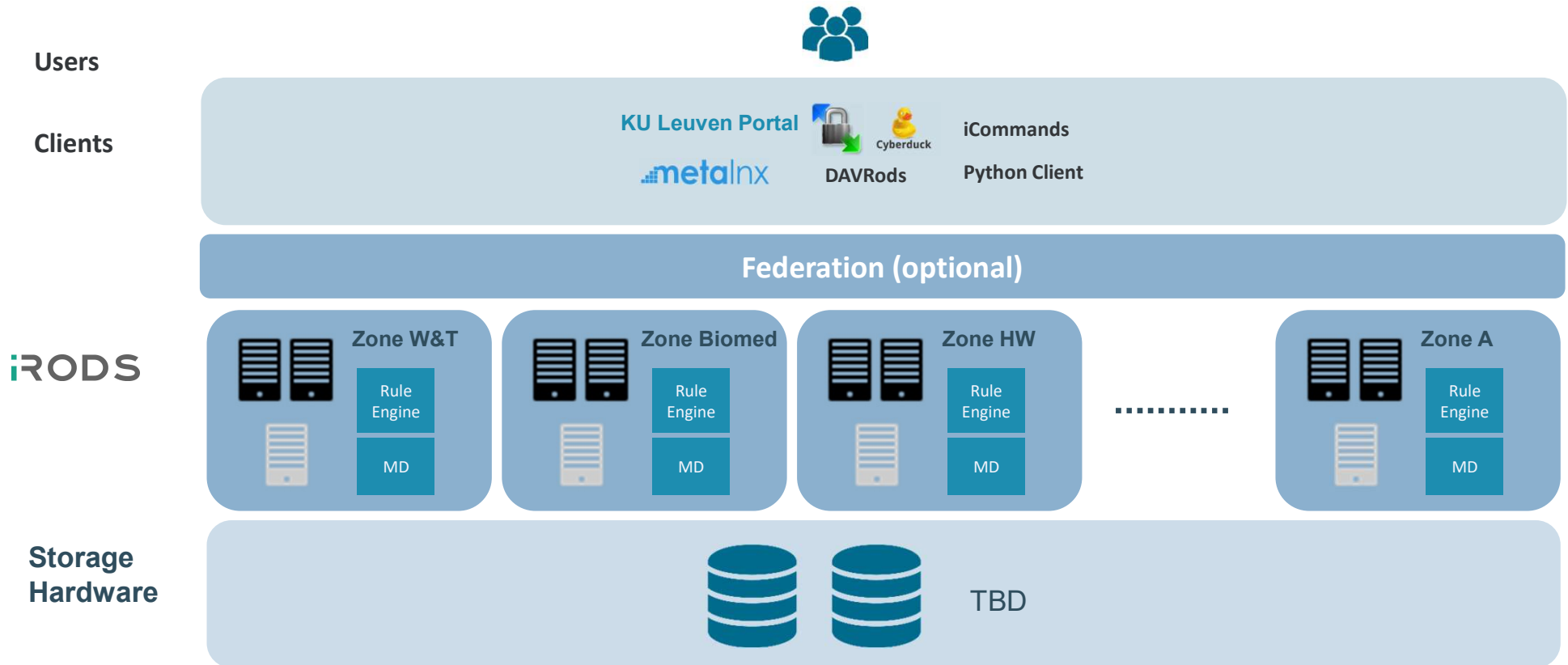
# iRODS in de KU Leuven RDM Landscape



# KU Leuven iRODS testbed: architecture



# KU Leuven iRODS: possible architecture



# Authentication



## User Roles

- iRODS user
  - Access to iRODS will be regulated as Facility
- Group administrator
  - Can create groups
  - Can join empty groups
  - Can edit members of groups they belong to
- Machine user
  - long lived tokens

## Admin Roles

- Zone user administrator (local IT)
  - Can create groups and assign quotas
  - Can deploy zone rules
- Zone administrator (ICTS)
  - Can deploy system rules
  - Can make configurations changes

# Login portal

The screenshot shows a web browser window with the address bar displaying `irods-demo.t.icts.kuleuven.be/#/`. The page header includes the text "HOSTED BY ASSOCIATIE KU LEUVEN" and "IRODS". A user profile "Ingrid Barcena Roig" is visible in the top right. A navigation bar contains buttons for "HOME", "BROWSER", "METALNX", "GROUPS", and "ADMIN". The main content area is titled "IRODS ZONE ICTS\_DEMO" and provides connection information:

- Hostname: `irods-demo.t.icts.kuleuven.be`
- Port: `1247`
- Zone: `icts_demo`
- Username: `u0089722`
- Password: `eyJhbGciOiJIUzI1NiIsInR5cCI6IkpXVCJ9.eyJleHAiOjE2MTk1NDkzNDAsImIzcyI6ImIybzRzLWRLbW8udC5pY3RzLmt1bGV1dmVuLmJl`

A note states: "The provided password is valid for 4 hours only, refresh the page to get a new password." Below this, the "IRODS LINUX CLIENT" section provides instructions to run a snippet to configure an irods client under Linux, with the session lasting for a week. The snippet is:

```
mkdir -p ~/.irods
cat > ~/.irods/irods_environment.json <<'EOF'
```

The KU LEUVEN logo is in the bottom right corner.

# Hands-on

Connecting to the KU Leuven testbed

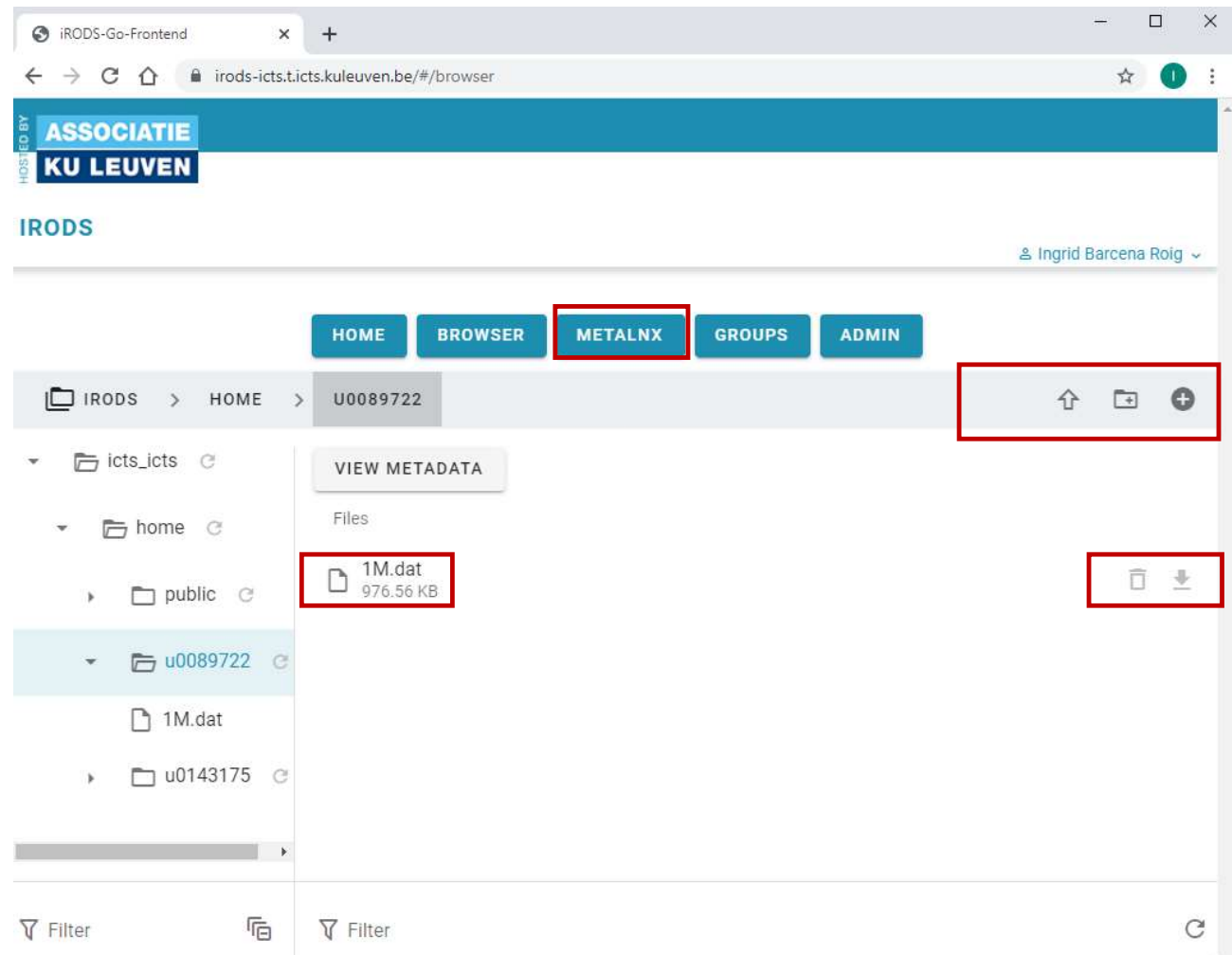




# Connecting to iRODS

- Go to: <https://irods-demo.t.icts.kuleuven.be/>
- Authenticate using your u-account:
  - You will be sent to the KU Leuven login page
- You are in!

# Login portal



# Demo admin functions

- Admin tab
  - Users -> add, remove, make group admin
  - Administrators tab
  - Groups tab: add quota to group, remove
- Group tab
  - Join group
  - Click group: add/remove users, add machines

# Hands-on

- Demo of the functionalities of the Login Portal
- Explore the demonstrated functionalities
  - Navigate to your home
  - Create a new folder
  - Upload a file
  - Download the file
  - Delete the file
  - Look at the metadata
  - Add a metadata attribute