Shaping the Globus User Experience

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A user interface is like a joke. If you have to explain it, it’s not that good.
Why is designing the user experience important?
obvious requires thought
If something is hard to use, I just don’t use it as much.
The purpose of user experience design is to create personal value.

Cennydd Bowles – UX author
Get to Know Your Users
Chi Li Ing
• weather simulation researcher
• 33 years old
• masters in computer science
• Linux
• uses HPC resources heavily
• adept at using the CLI
• visually impaired

Gena Ura Ishwari
• gene expression researcher
• 42 years old
• Phd in molecular genetics
• macOS
• receives 1TB of new genomic data each week, that needs to be processed
• comfortable using computer
• prefers GUIs
Gather User Stories & Use Cases
User Story

As a ______,
I want to be able to ______,
so that ______ can be achieved.
Use Cases

- Manage Research Group Membership
- Move DNA Sequencing Data from Instrument to RCC Data Store
- Publish Research Data
- Share Data with Research Group
- Archive Research Data
Gather User Stories & Use Cases

User Support
User Feedback
Client Feedback
New Technology
New Audience
Product Management
Product Vision
User Testing
Gather User Stories & Use Cases

Prioritize

Wireframe, Test & Validate
User Flows
I have a Google Drive that I'd like to use with Globus.

Fantastic! I'll send you an email with a link so you can connect your Google Drive to our RCC Globus server.

Log in (multiple pages)

Is user logged in?

yes

Inform user which identity provider is required for this connection

no

Is user using the required identity provider for this link?

yes

Log in and linking flow to link another ID (multiple pages)

no

Does user have a registered Google Account on this server?

yes

create share (local GCS) v1

no

Register & Confirm Google Account for this server (Google)

add another Google Account

confirmation message v1
Wireframe Sample
User Testing
Manage Data

Endpoint: My Laptop
Path: /~

- hires images
- hires images – for processing
- hires images for public use
- terms and conditions v12.txt
- terms and conditions v13.txt
- terms and conditions v14.txt

Select: all | none  up one folder  refresh list

Folder: 106 KB
Shared folder: 98 KB
Folder: 112 KB

Actions:
- Share
- Transfer or Sync to...
- New Folder
- Download Selected Files
- Upload Via Browser
- Preview
- Show Hidden Items
- Get Info
- Delete Selected Files
Research data management simplified.

TRANSFER  SHARE  PUBLISH  BUILD

Get unified access to your research data, across all systems, using any existing identity.


Data stored at a different institution? At a supercomputer?

Transfer your data.
We should free up the users’ mind to work on their business not our tools.

Mikkel Bo Schmidt
Questions?
Please share your user stories and use cases with us.

Thank-you!