



European Globus Community Forum

Globus Transfer

Dr. Helmut Heller

<http://www.egcf.eu>



- Based on GridFTP
 - works also with dCache
- Enhanced by a portal:
 - Globus Online => new name **Globus Transfer**
 - SaaS running in Amazon Cloud
 - using third party data transfer of GridFTP
 - **www.globusonline.eu**
- Basic transfer is and will always be free
- Premium services cost money



Globus Transfer

Home | globus

https://www.globusonline.eu

Raspie wikipedia Last.fm Nature Leo News Heizung Apple Google Maps YouTube Wikipedia Popular

globus Products News About Support Log In Sign Up

share move sync

BIG DATA

63,516,909,568 MB TRANSFERRED

Researchers

Focus on your research, not IT problems. We make it easy to move, manage, and share big data.

[LEARN MORE](#)

[READ CASE STUDIES](#)

Resource Providers

Globus gives you more control over your data infrastructure, while providing excellent ease-of-use for your researchers.

[LEARN MORE](#)

[GLOBUS PROVIDER PLANS](#)

How It Works

Globus' tools and services help connect people and HPC resources, so that no researcher is an island.

[LEARN MORE](#)

Data Publication with Globus

We are adding data publication and discovery capabilities to the Globus service. These new features will make it simple to describe, curate, and preserve data at desired levels of durability.

UPCOMING EVENTS

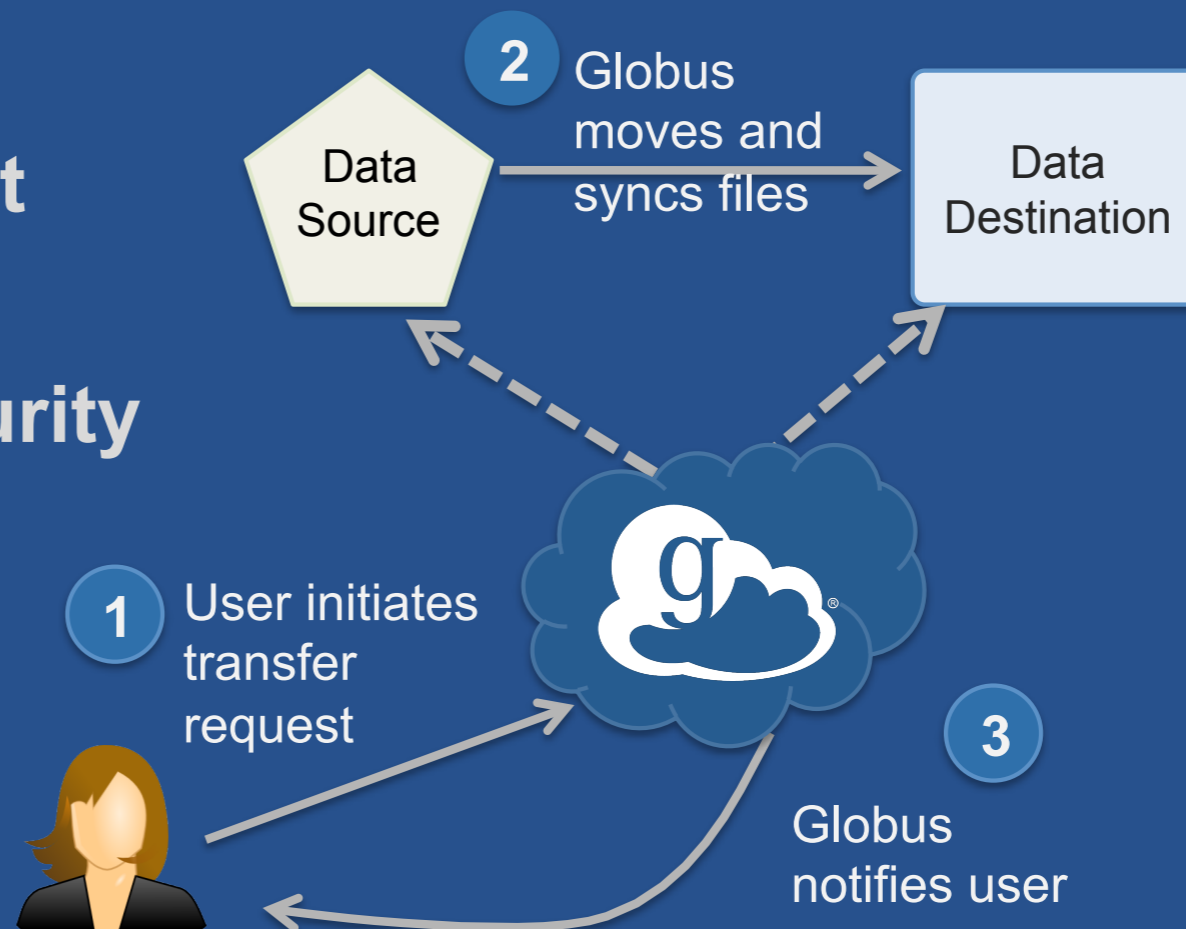
September 24, 2014

[Library Data in the Cloud \(NISO Virtual Conference\)](#)



Reliable, secure, high-performance *file transfer* and *replication*

- “Fire-and-forget” transfers
- Automatic fault recovery
- Seamless security integration
- Powerful GUI and APIs





- **Globus Connect Personal**
 - a little app for your Mac, Linux, Windows PC
 - basically an encapsulated GridFTP server
 - easy data transfer to your device
 - works also behind most firewalls
 - works with DHCP and on the road
 - single user
- **Globus Connect Server**
 - encapsulated GridFTP server
 - multi-user



Transfer in Progress

Transfer Files | Globus Online EU

Manage Data Groups Support a283212

Transfer Files Activity Manage Endpoints Dashboard

Get Globus Connect Personal
Turn your computer into an endpoint.

Transfer Request Submitted Successfully. Task ID: bfd691fa-43a9-11e4-b60d-12313940394d

Endpoint a283212#audiogateway Path /~/backup-WD/

Endpoint a283212#mac Path /scratch/fromhome/

File Name	Size
home-20140918.tazaa	1.36 GB
home-20140923.tazaa	1.66 GB
home-20140923.tazab	1.66 GB
home-20140923.tazac	1.53 GB

No files available to display

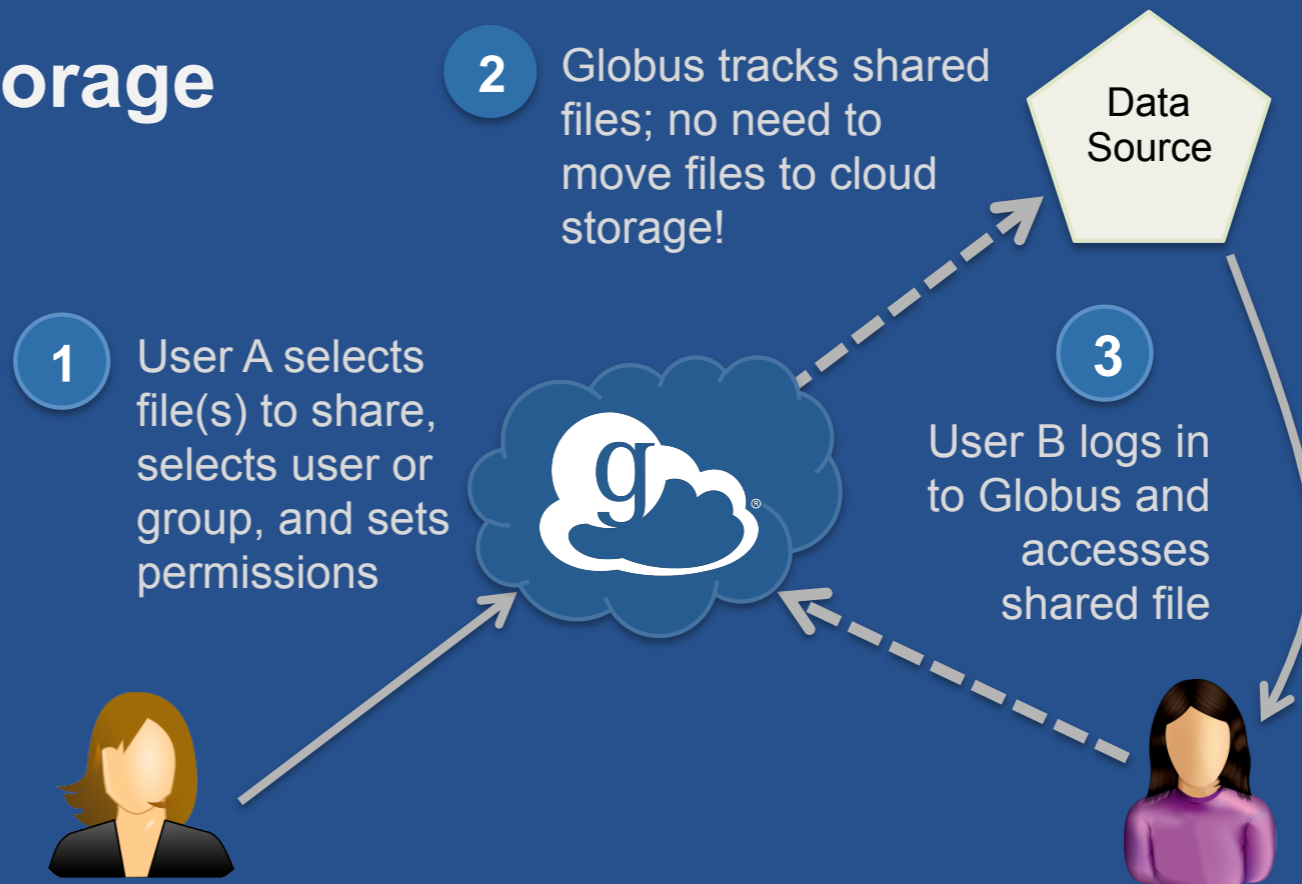
more options Label This Transfer

This will be displayed in your transfer activity.



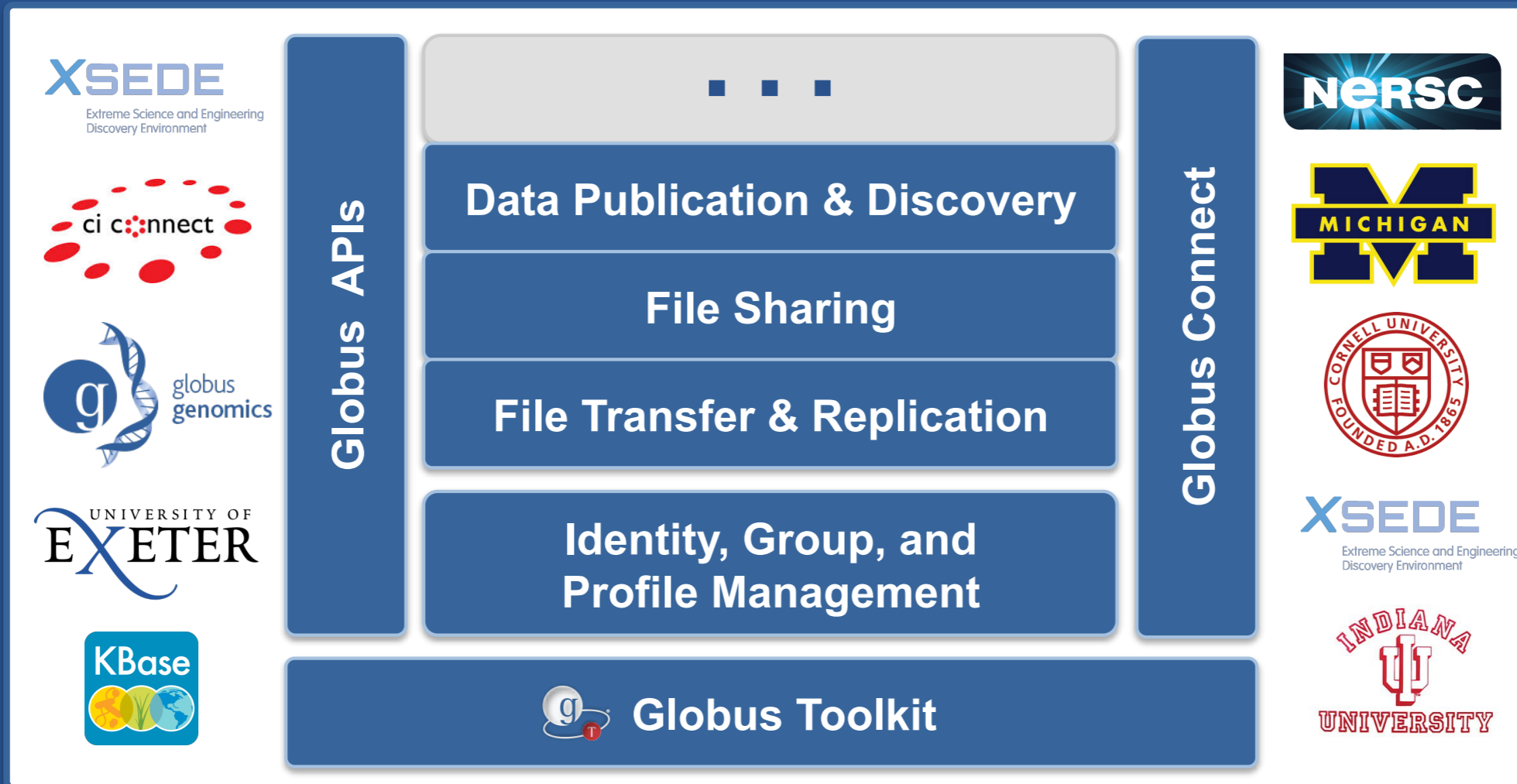
Simple, secure *sharing* off existing storage systems

- Easily share large data with any user or group
- No cloud storage required





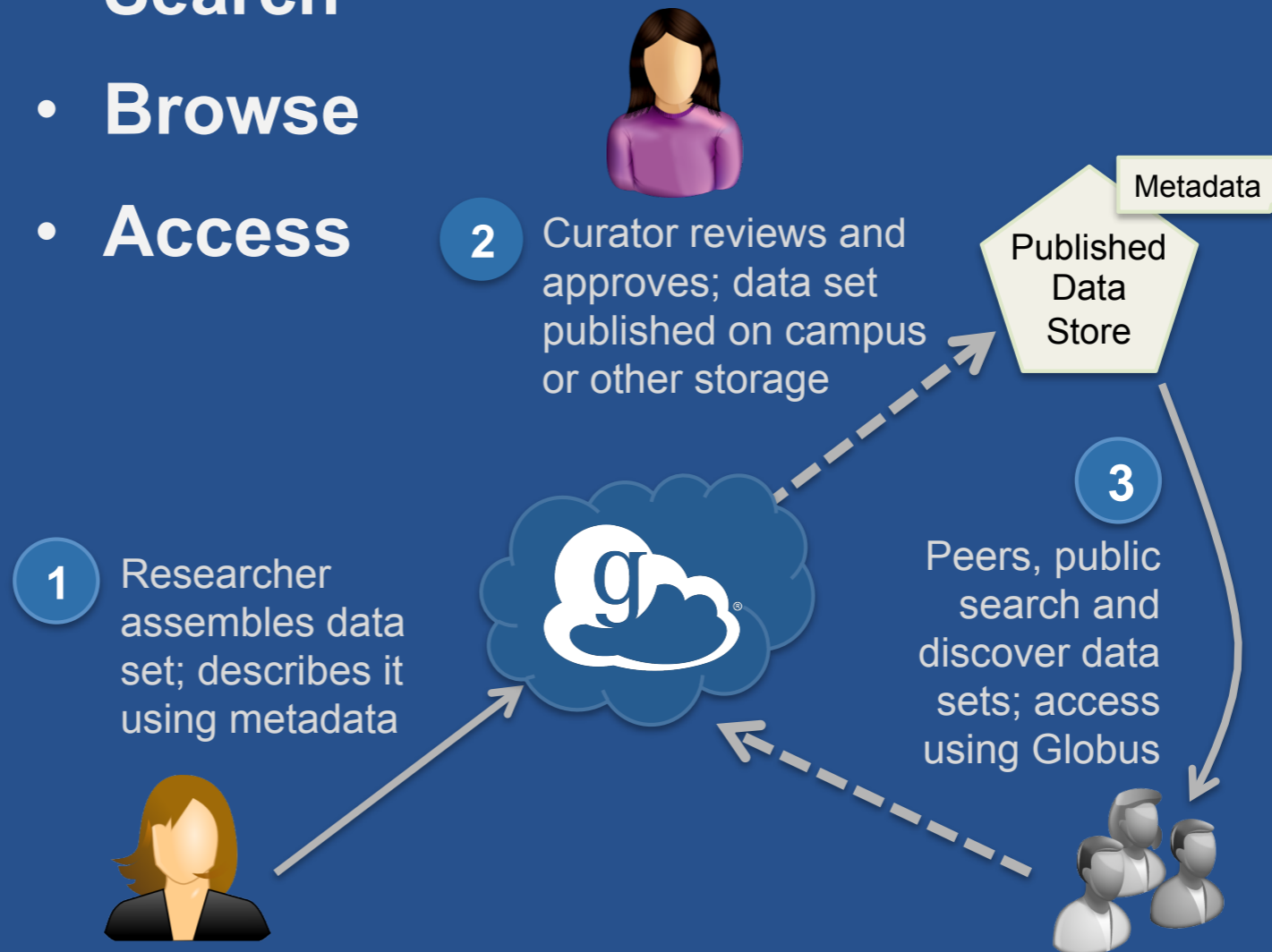
Globus Platform-as-a-Service





Curated *publication* of data, with relevant metadata for *discovery*

- Identify
- Describe
- Curate
- Verify
- Protect
- Preserve
- Search
- Browse
- Access





Globus Provider plans

- **Managed Endpoints**
 - Host shared endpoints
 - Data publication
 - Management console
 - Usage reports
 - Priority support
 - Mass Storage System optimization
 - Integration support
- **Branded Web Site**
- **Alternate Identity Provider (InCommon is standard)**



globus.org/provider-plans



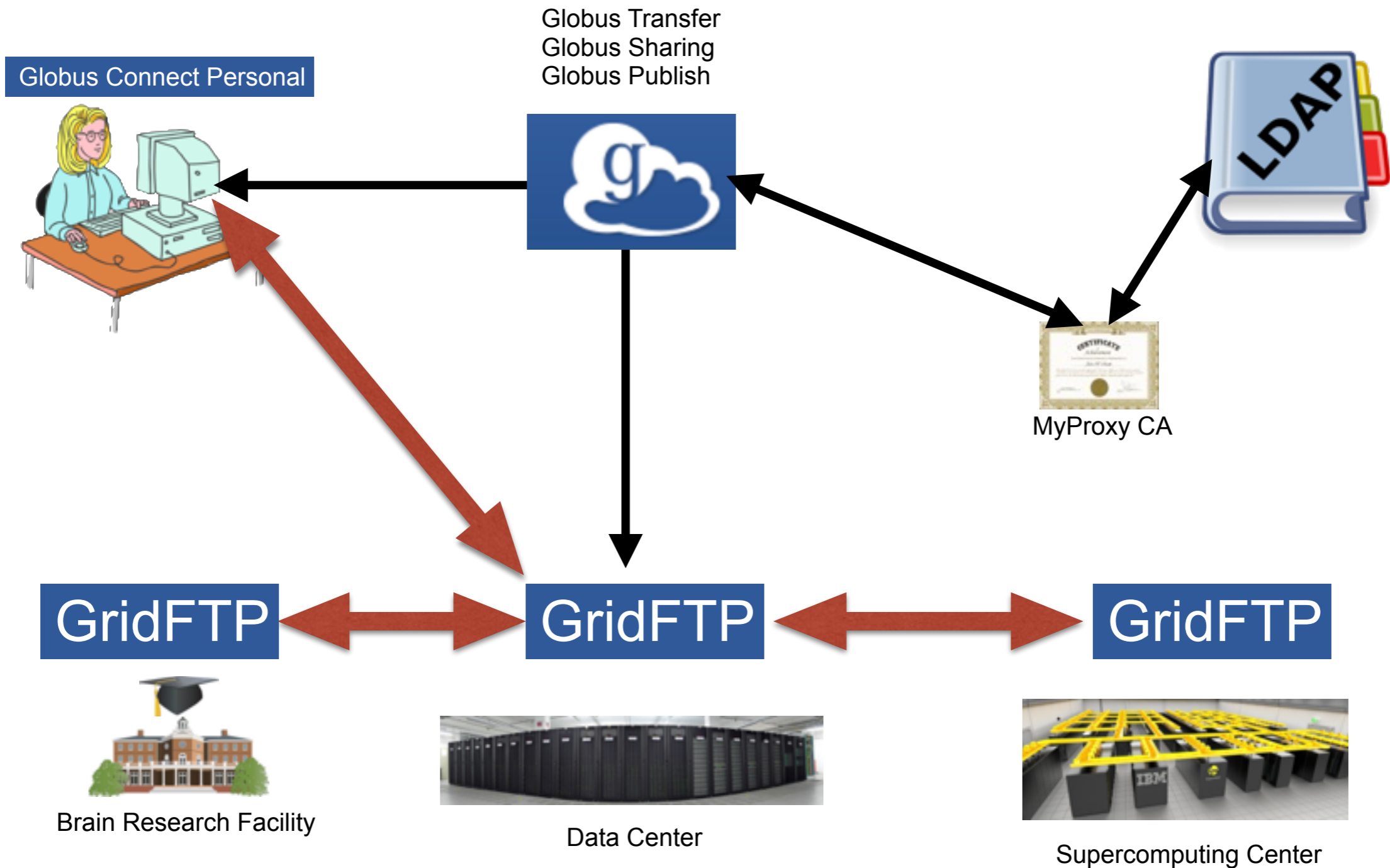
- Your requirements
 - robust data transfer for large data volumes (1 to 10 TB) → **Globus Transfer**
 - replication → **Globus Transfer**
 - easy, high performance data upload/download → **Globus Connect Personal**
 - connect with supercomputer centers → **Globus** is often already there (PRACE, EGI)!
 - sharing of data, data owners say with whom they share → **Globus Sharing**
group management functions available



- access via web portal but also fully scriptable
 - ➔ Globus Transfer (has REST API, CLI, Web)
- high performance data transfer ➔ GridFTP with multiple streams
- AAI using OpenID ➔ Globus Transfer supports OpenID, MyProxy OAuth2, LDAP
- Publication and citation of data
 - ➔ Globus Publish
<https://www.globus.org/data-publication>



Deployment





Thank you very much for your attention

For further information

<http://www.egcf.eu>

<https://www.globus.org>

