# EGCF - Globus in Europe: What is next?

## GlobusWORLD 2014

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# EGCF: What is this about?

- **Organizational body** for the Globus Community in Europe
  - founded in April 2011 in Munich (former IGE-project)
  - since April 2013: Solely community-driven organisation
  - ~120 members (system administrators, developers, user communities)
  - coordination board (daily business…)
- **The vision: „Help the scientists doing their work"**
  - EGCF offers software and services, supports end-users
- **„From the community for the community"**
  - Share experience and knowledge

# EGCF: Activities

**Services („as-available effort" from the community)**

- Coordination with EGI, other infrastructures, and Globus U.S.
- EGCF and GlobusEUROPE meetings
- Requirements, bug tracking system (http://rt.ige-project.eu)
- Software adaptations, development, and testing
- Re-packaging for EGI UMD, separate EGCF releases
- Running a testbed with IGE/EGCF software releases installed
- IGE appliances (e.g. EGI federated cloud infrastructure)
- Targeted training (if paid for)
- Mailing list (lively discussions)
- Website (http://www.egcf.eu) maintenance

# EGCF software stack

- EGCF showcases with video demo and step-by-step instructions and product information sheets
  - AdHoc-VOMS
  - GridWay with DRMAA2
  - GridSAM
  - GSI-SSHTerm
  - Grid-SAFE
  - LCMAPS integration
  - BESGRAM
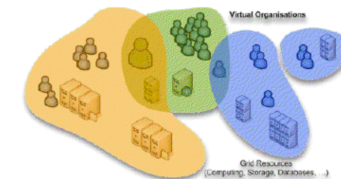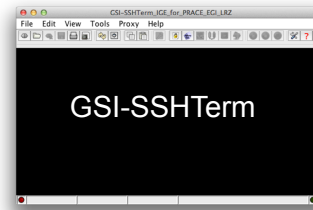
- Available on EGCF web site

- Used for training and presentations
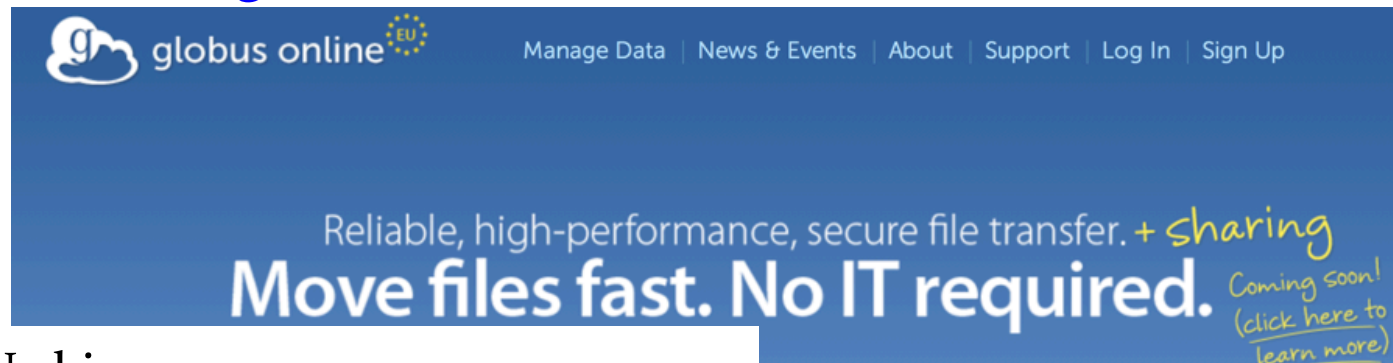
- Installed on our demo and test bed

# EGCF: Globus Online

★ European portal for Globus Online

https://www.globusonline.eu



★ EU skin

★ EU Cookie law compliant

★ EU specific endpoints

★ Consent to store usage data in US

★ EGI identity management

# EGCF: What is next... ?

★ EGCF is a well-working, well-organized **body that offers valuable services! (but unfunded, on a voluntary basis)**

★ **Idea: Get funding !**

- What shall EGCF look like in the future? Do we still need Grid Computing?

- Which needs can be addressed in IGE-2?

- Which funding programmes fit into the scope of EGCF?

- GlobusEUROPE 2013: Important European data centers, institutes, research communities and Globus U.S. already agreed to set-up a proposal

★ Contact us: **info@egcf.eu**

# EGCF: Ideas for IGE 2.0

★ H2020 is the **biggest EU research and innovation programme** ever

★ About **80 billion €** of funding over 7 years (2014-2020)

★ **Main pillars**: Excellent science, industrial leadership and societal challenges

★ Simpler rules for users

# EGCF: EINFRA-2014-2

★ Which calls are appropriate? EINFRA-2014-2 (Sep 2014)

★ <u>Total call budget</u>: 82,000,000 € (114,000,000 US$)

★ <u>Topic:</u> Managing, preserving and computing with big research data

★ Very abstract

# EGCF: EINFRA-2014-2

- <u>Specific challenge</u>:
  - Development and deployment of integrated, secure, permanent, on-demand service-driven, privacy-compliant and sustainable e-Infrastructures
  - manage, store and analyse extremely large, heterogeneous and complex datasets
  - provide services cutting across a wide-range of scientific communities
  - addressing a diversity of computational requirements, legal constraints and requirements, system and service architectures, formats, types

# EGCF: Ideas for IGE 2.0

Data management and long term preservation

Services for eInfrastructures

Support for EGI

EINFRA-2014 -2: Big Data

Federating data management tools

Large-scale virtualisation, on-demand computing

Standardisation, Interoperability

Handling and mining extremely large or heterogenous data

# EGCF: Ideas for IGE 2.0

- **Move from Grid to Cloud !**
- <u>Computing-side</u>: GRAM is pretty dead in Europe, but
  - Globus appliances for the Cloud (IGE's VM revamped)

- <u>Data-side</u>:
  - In general: Improving interoperability
  - Connecting Globus with Cloud CDMI
  - HDFS and Globus
  - Long-term data preservation. How can Globus help? Work together with EUDAT.

# EGCF: Ideas for IGE 2.0

★ Security:

– Security assessment (GridFTP, GO, GSI-SSH, MyProxy)

– Federated identity management, SSO

– Non-certificate based way for AAA

★ General Topics:

– European support center for Globus (including SLAs)

– Implementation of European feature requests

★ Workflow:

– Collaboration with specific communities (similar applications to Globus Genomics, VRE)

– Integration with European SCI-BUS

The future of Globus in Europe!

# THANK YOU !