



Enabling Grids for E-science

The EGEE Digital Library and NA3 Editorial Task Force

Mike Mineter

*Training Outreach and Education
University of Edinburgh, UK*

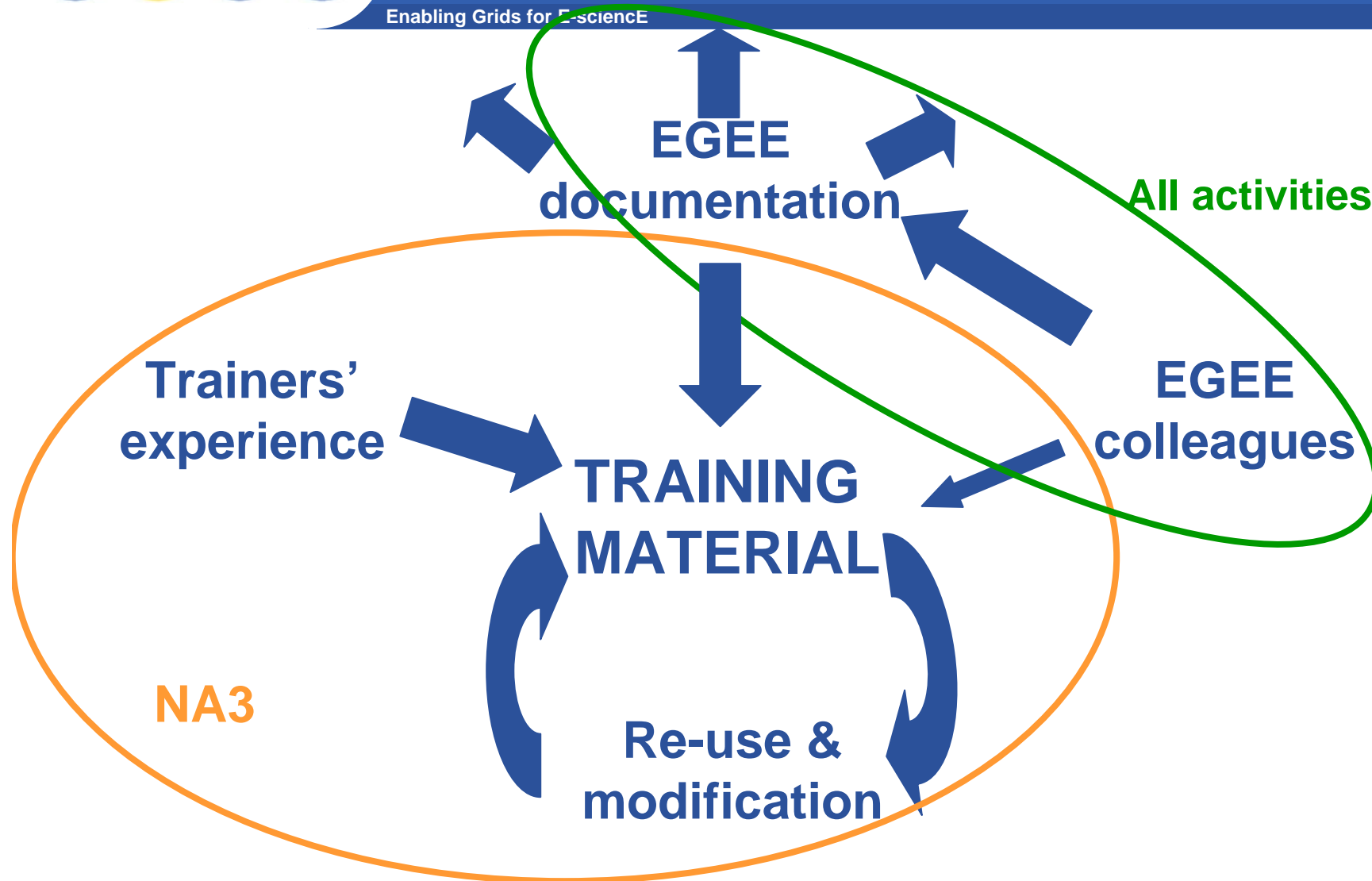
www.eu-egee.org



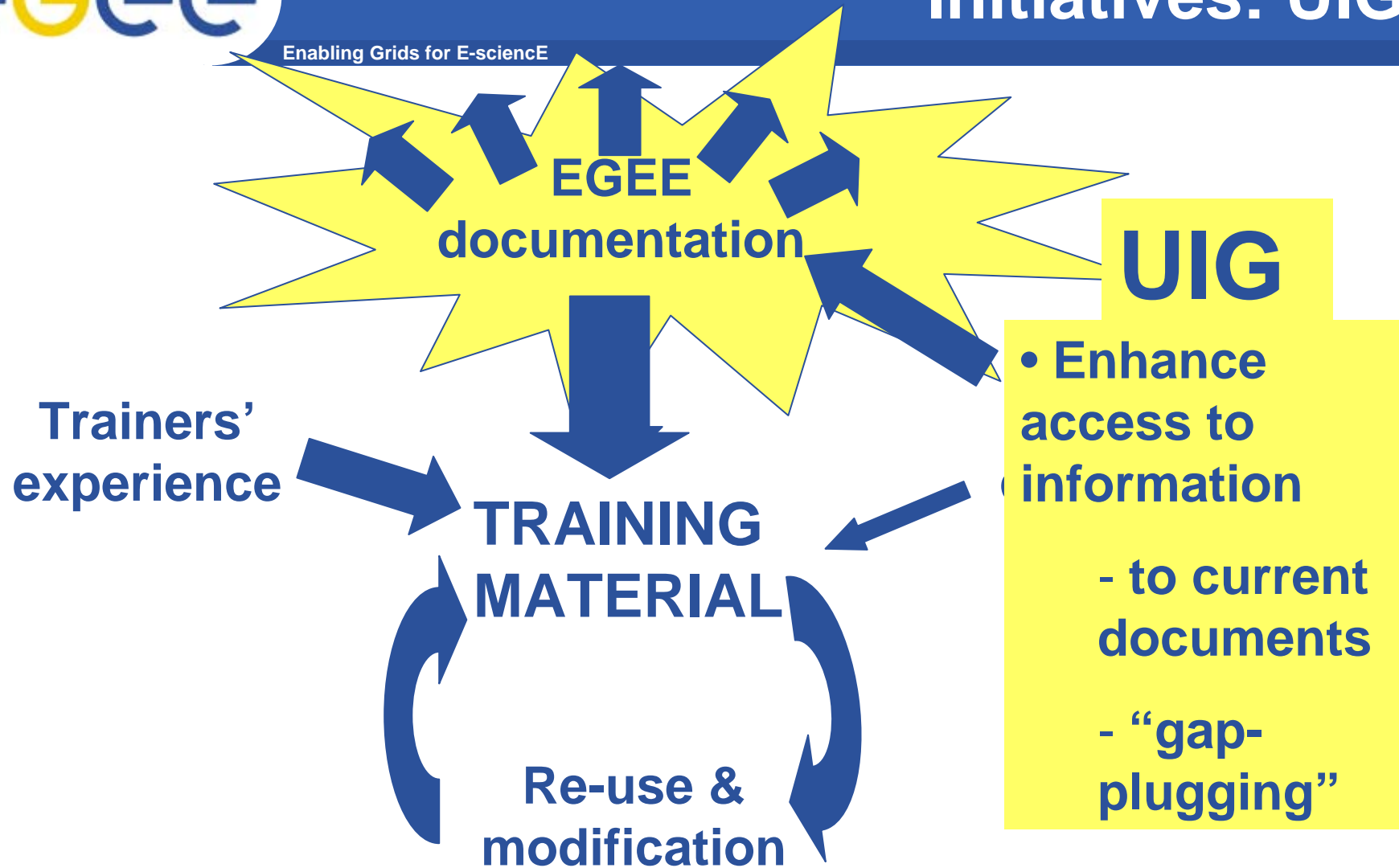
- **The EGEE Digital Library and associated initiatives**
- **Using the EGEE Digital Library**

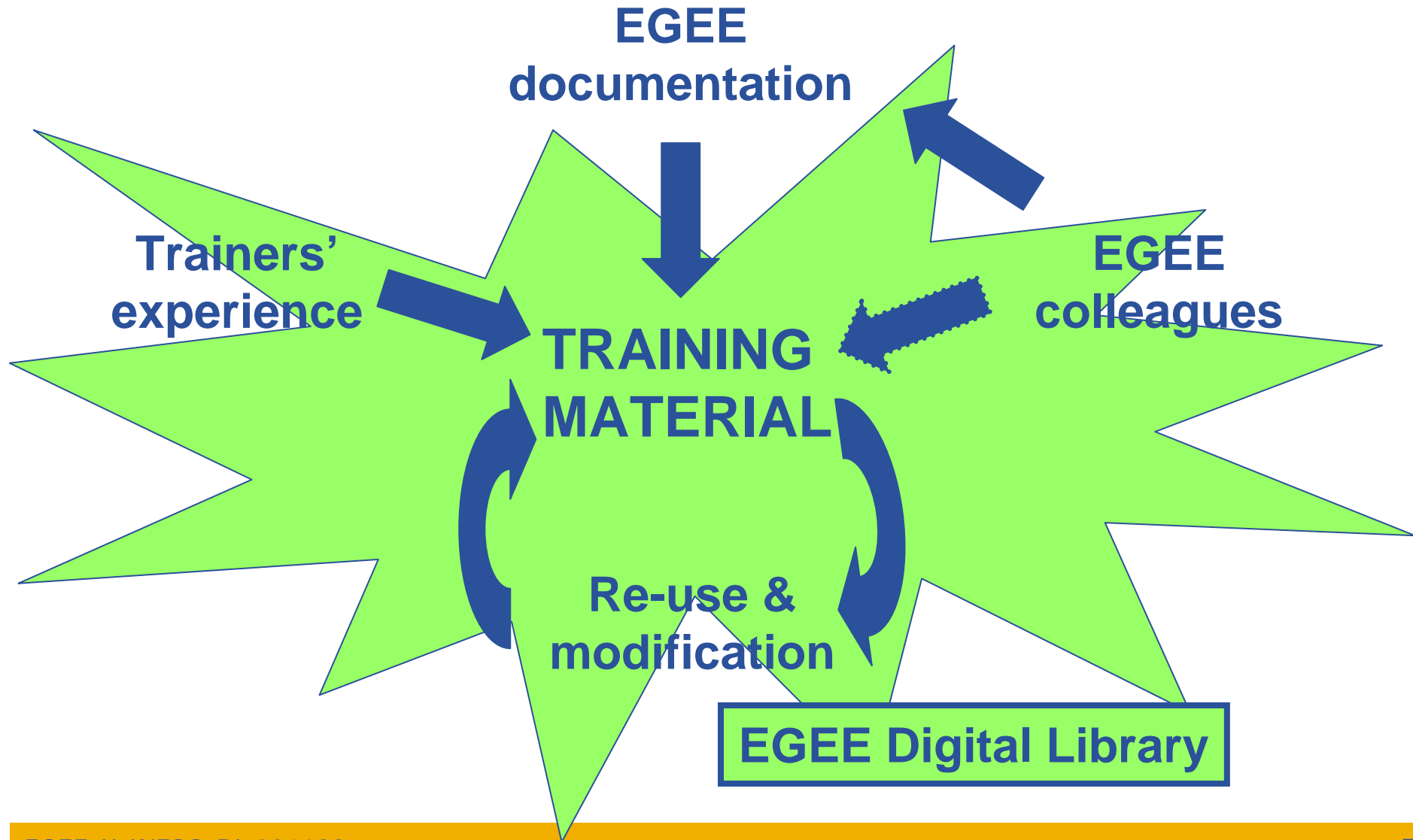
Trainers' sources of material

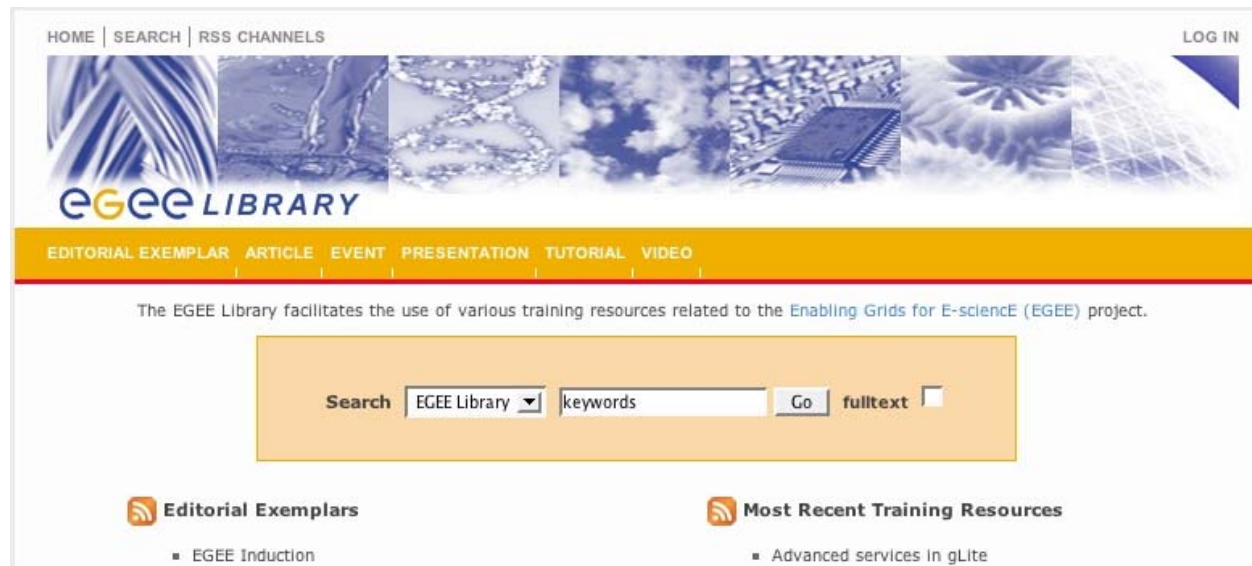












- **Open to everyone for search, retrieval, linking**
<http://egee.lib.ed.ac.uk>
- **Its impact depends on whether:**
 - NA3 members add material
 - NA3 + Others add comments on that material
- **Also accessible via web services - by negotiation**
- **Based on Fedora open source repository and international standards**



- **Tasks**
 - Selects “exemplar modules” appropriate for re-use
 - Access via EGEE Library and ETF pages
 - NOT including federation-specific content
 - *Tell us what’s missing from exemplars*
 - Reviews comments entered in EGEE Library
 - Catalyses development of material thru ETF wiki
- **First pass at ETF during August, after gLite 3 induction material had stabilised**
- **Links from NA3 home page**
- **ETF processes are evolving**
- **Current membership (Nov. 2006):**
 - Emidio Giorgio, INFN Catania – NA3 liaison to JRA1 & GILDA
 - Flavia Donno, CERN – liaison to UIG
 - Gergely Sipos, SZTAKI
 - Mike Mineter, TOE-NeSC – convenor in EGEE-II
- **project-eu-egee2-etf@cern.ch**

NA3 material:

- **Context of use: module in course run on t-infrastructure**
- **ETF selecting exemplar modules for :**
 - Induction
 - Application developer
 - Installation / sysadmin
 - Training the Trainers
- **ETF Catalysing contributions, comments, re-use, improvements, ...**
- **NOT the primary creator of new material**
- **EGEE library of resources, invites end-user comments,...**

UIG

- **Context of material use: wide spectrum**
 - from explorers thru to production-grid users
 - From specific query to complete user guidance
- **Current material corresponds to induction/ lower-level app dev courses**
- **UIG creates web-pages**
 - EGEE Library: an additional channel of dissemination used by UIG

- **Both NA3 and UIG create material to support EGEE users**
- **ETF and UIG are complementary - in roles, goals and means**

- **What else is needed so that NA4 experience propagates through training??**
 - “Building blocks”
 - Higher level tools
 - Use of higher gLite services
 - Case studies
- **To help address this**
 - Email ideas to ETF
 - Get account to enter material on the ETF Wiki directly
 - Capture tricks, building blocks from your work and from those you cooperate with and pass them on!!
- **So don't wait for the ETF to create new material**
 - That's not its job

- **New initiatives of**
 - UIG
 - EGEE Library
<http://egee.lib.ed.ac.uk>
 - NA3 Editorial Task Force
<http://www.egee.nesc.ac.uk/NA3ETF/>
- **ETF and EGEE Library are in early stages, evolving with experience**
- **Use the Digital Library**
- **Engage with the ETF**



Enabling Grids for E-science

Using the EGEE Digital Library

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University of Edinburgh, UK*

www.eu-egee.org



- **The Digital Library is developed by Boon Low of the National e-Science Centre, Edinburgh**

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The EGEE Library facilitates the use of various training resources related to the [Enabling Grids for E-science \(EGEE\)](#) project.

Search EGEE Library **fulltext**

Editorial Exemplars

- EGEE Induction

gLite Resources


- Advanced services in gLite
- The gLite FTS
- Architecture of the gLite DMS
- Overview of the gLite middleware
- Authorization and authentication in gLite
- The gLite Information System
- Architecture of the gLite WMS
- The gLite FTS
- Overview of the gLite middleware
- Authorization and authentication in gLite

Most Recent Training Resources


- Advanced services in gLite
- Service oriented computing
- Exposing legacy applications as Grid services: the GEMLCA approach
- Demonstration and practical hands-on with GEMLCA
- Advanced features of the P-GRADE portal
- Grid interoperability demonstration: EGEE, UK NGS, US OSG, UK Westfocus Grid
- Practical hands-on with EGEE data management Pt. 2
- Grid application support by the P-GRADE Portal
- Demonstrations
- Practical hands-on with the P-GRADE Portal


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Results: Found 2860 matches. Displaying 1 - 10  Sort by date

◀◀ ◀ 1 2 3 4 5 6 7 8 9 10 ▶ ▶▶

Advanced services in gLite 
[Presentation] 2006-07-12

Service oriented computing 
[Presentation] 2006-07-12

Exp HOME | SEARCH | RSS CHANNELS
[Pre

EDITORIAL EXEMPLAR ARTICLE EVENT PRESENTATION TUTORIAL VIDEO

Den

Results: Found 68 matches , displaying 1 - 10

◀◀ ◀ 1 2 3 4 5 6 7 ▶ ▶▶

Grid Proxy and Myproxy
... the URL, please select : **Grid proxy** and MyProxy Giuseppe**Grid Proxy** and Myproxy The ...
[Presentation]

Grid Proxy and Myproxy
Grid Proxy and Myproxy Title ...
[Presentation] 2004-05-24

Grid proxy and MyProxy
Grid proxy and MyProxy Title ...
[Presentation] 2004-05-24

http://pub-195.nesc.ed.ac.uk:20200/fedora/get/lib:733/txt2
... directly create a **proxy** from **grid-proxy**-Init. The proxy ... of the delegator 3) **grid** ...
[plain]

- Resource discovery services including search and browse resource types
- Metadata search
- Full-text search inside documents, e.g. useful for location command line usage
- Cross-search other digital libraries
 - ICEAGE
 - BELIEF (in development)

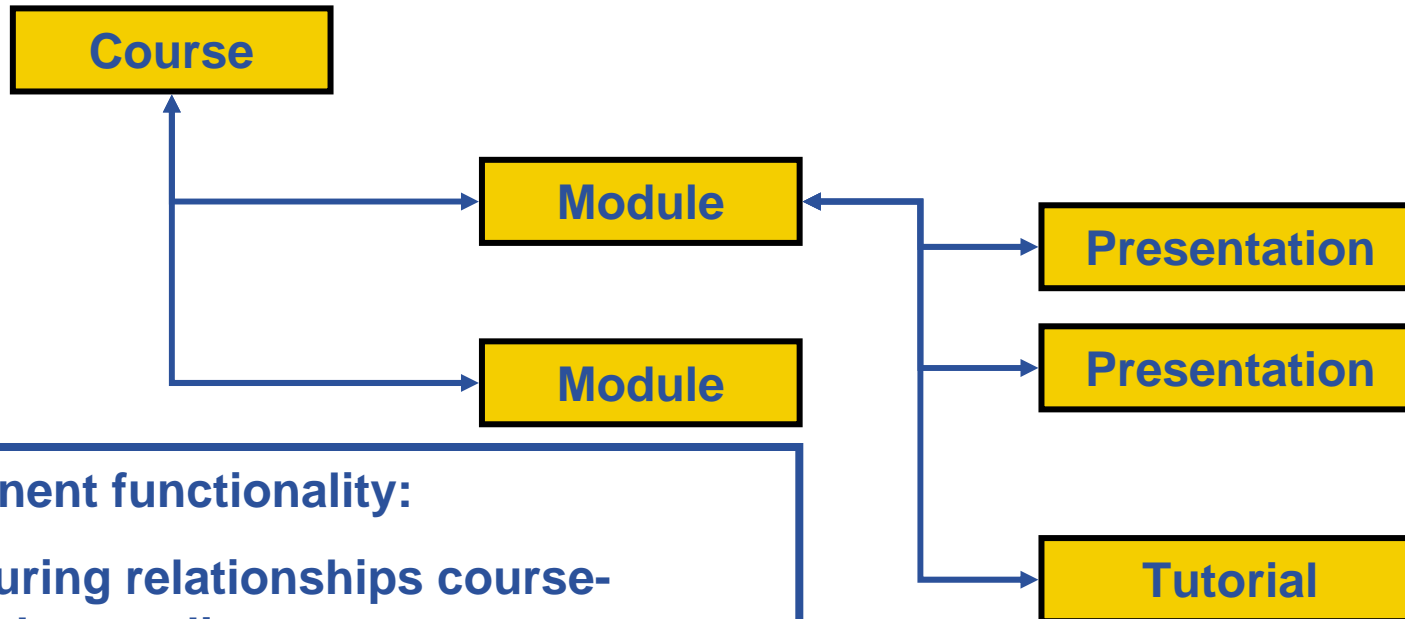
- The digital library URL:
 - <http://egee.lib.ed.ac.uk>
- Also accessible via web services:
 - **password protected – access by negotiation**
- Based on open source repository - Fedora
- Just migrated to a production server with a domain name



- **Open to everyone for search/retrieval**
- **Certificate is required for resource contribution, commenting on DL objects,**
- **You are asked to add your:**
 - **Courses**
 - **Modules**
 - **Presentations**
 - **Tutorials** (practical sessions – often a URL – note make self-sufficient with tar files etc. so can re-use in future)
- **AND to comment on material**
 - to help others make better use of it
 - To help the Editorial Task Force keep track of material to be flagged as most suitable for reuse across all EGEE federations
- **No need to add every course – but ensure the best material is in the Digital Library**
 - And then comment to say if material is superseded.
- **Can get RSS feeds to notify you of updates**

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NOTE Be precise with these terms: will improve searchability!
.... An internationally agreed taxonomy!



Imminent functionality:

Capturing relationships course-module-...as lists

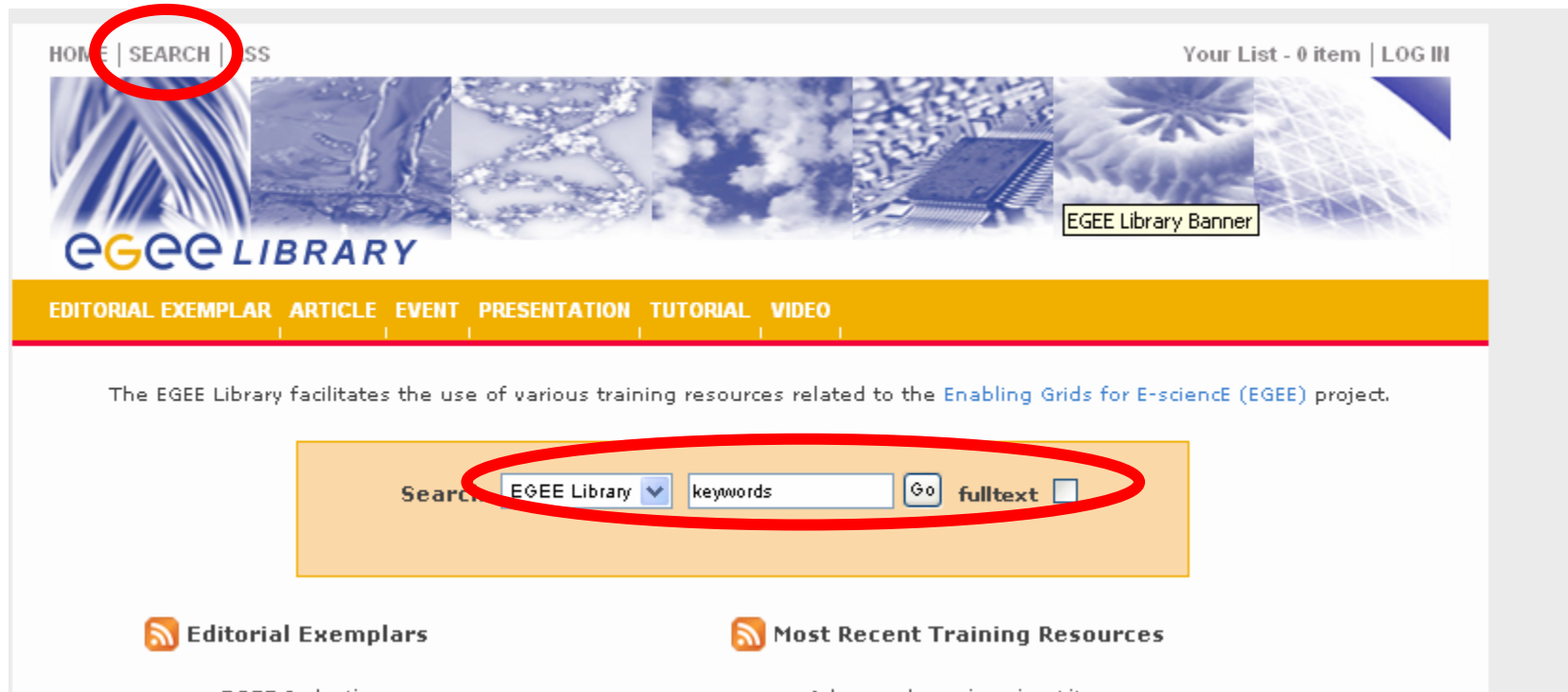
At present, these are not connected

Tutorial = a practical with a closed sequence of actions

Other object types:

“Event” – e.g. EGEE Conference

- Go to <http://egee.lib.ed.ac.uk/>
- Search by either of two routes:



- Requires recognised e-science CA certificate in browser
- GILDA is recognised
- (Some EGEE-recognised CAs might not yet be included... tell me if so!)

EGEE > EGEE Library - Microsoft Internet Explorer


File Edit View Favorites Tools Help

Back Forward Stop Home Search Favorites Refresh Print Mail New Tab

Address http://egee.lib.ed.ac.uk:8080/ Go

Google G Go Bookmarks Popups okay Check AutoLink AutoFill Send to

HOME | SEARCH | RSS Your List - 0 item | LOG IN



EDITORIAL EXEMPLAR ARTICLE EVENT

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Search

Editorial Exemplars

- EGEE Induction

gLite Resources

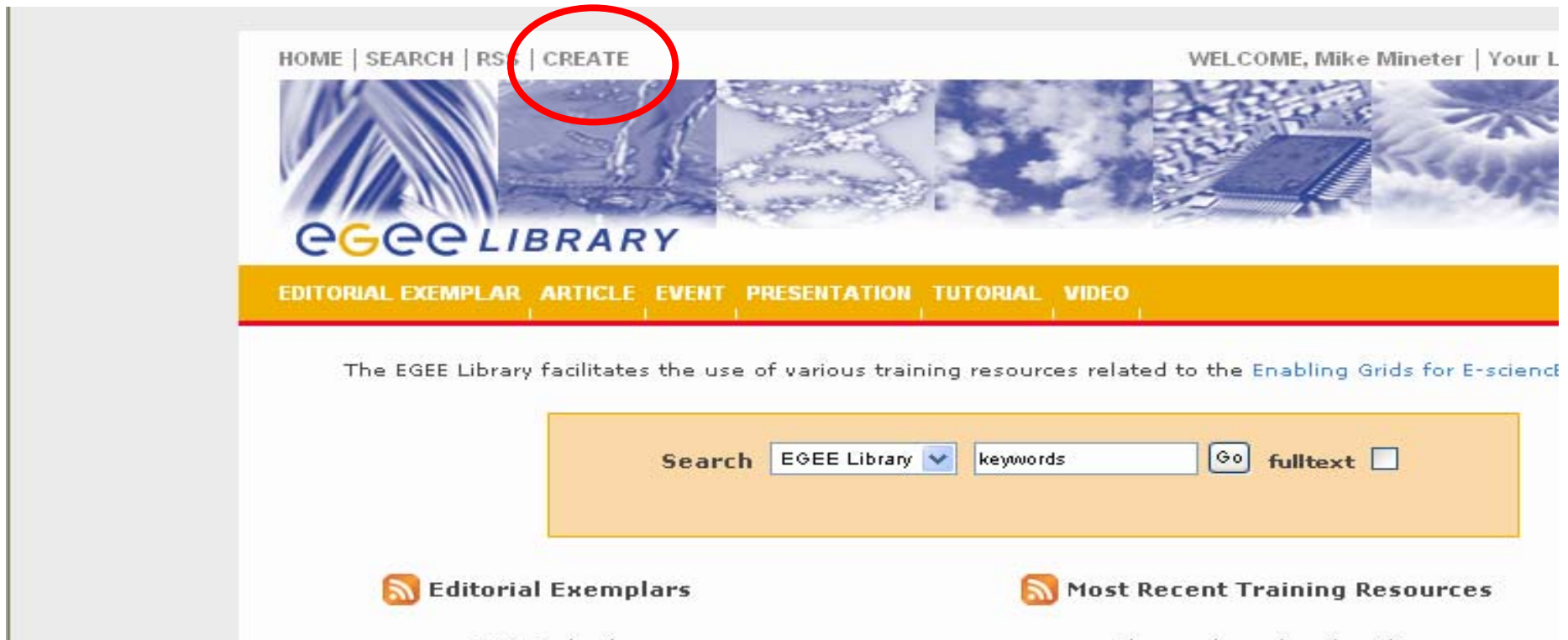
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start 6 Windows E... EGEE > EGEE L... clapton.nesc.e... Inbox - Micros... Calendar - Micr... Microsoft Powe...

Login to add material or comments.... Needs certificate in your browser

Many CA's are accepted – not yet all!

GILDA certificates are accepted



- After logging in you see a “create” option

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Create a resource stub by choosing a type with a title.

Title

Type
Article
Audio
Book
Case Exemplar
Course
Event
Exam
Exercise
Handbook/Manual
Journal
Module
Presentation
Report
Self-Assessment
Series
Software
Tutorial
Video
Working paper
Web Service
Website

Select a type best fit the resource.
is a piece of object that *doesn't exist* in the library. It is
ires collaborative elaborations, e.g. through wiki.
available for editing via the wiki services, *subject to the auditing*
rary editors.
eline.

For NA3 objects enter
Title
Type: Course, Module, Presentation, or Tutorial

Create a resource stub by choosing a type with a title.

Title

Type

Presentation

Select a type best fit the resource.

Create

Check



A resource stub is a piece of object that *doesn't exist* in the library. It is incomplete and requires collaborative elaborations, e.g. through wiki.

Once created it is available for editing via the wiki services, *subject to the auditing and review of the library editors*.

See '[stub](#)' for a guideline.

The page currently requires Internet Explorer/Mozilla/Firefox browsers.

After entering title and type, create/check options appear

Create: creates a "stub"

[DETAILS](#) |
 [EDIT](#) |
 [ATTACH](#) |
 [HISTORY](#) |
 [COMMENTS](#) |
 [ADD TO LIST](#)

Attaches URL

Title Application Development and Aspects of gLite 3.0
Type Presentation
Relation New resource stub |

Link(s) [URI](#) [OpenURL](#) [\[this page\]](#)

Description

This is a new resource entry (stub) which has r
Please bookmark this page (URL) since it is not
editors incorporate it into the main catalogue.

Please provide further details using the 'edit'
does not contain sufficient information on the
a stub. The library values stubs as useful first
to communities.

Comments - [write a comment](#)

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Edit metadata

Editor View General | Description | Educational | **Save Edits**

Application Development and Aspects of Java 3.0

Not necessary to complete all fields

Title
Creator

Mike Mineter ?

Contributor

? ?

ISBN urn:ISBN: ?

ISSN urn:ISSN: ?

Part of ?

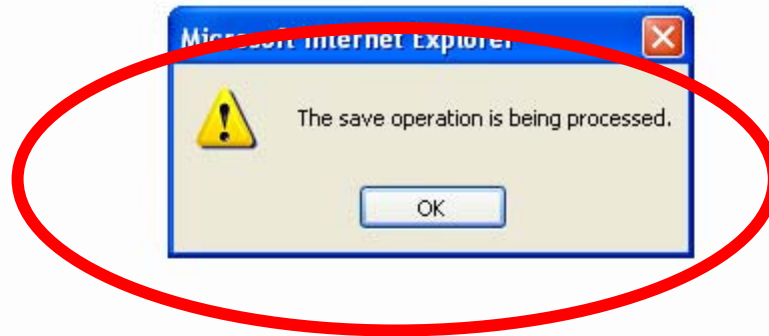
Volume

Issue

Pages

On completion save edits

Are you sure you want to save this - as the most current version of metadata? [No] [Yes]
All edits will be logged as history and subjected to editor audits.



Click on ok – don't wait!

The page currently requires Internet Explorer/Mozilla/Firefox browsers.

- **... if you have a certificate in your browser**
 - A certificate that is recognised by EGEE
 - Or a GILDA certificate

- **Grids need effort to make collaboration happen:**
 1. Upload new material
 2. Comment on material – e.g. flag what's now outdated
 3. Comment on changes needed to current material and email ETF also!
- **Grids need standards!!**
PLEASE USE THE STANDARD TERMS:
Course, built from
Modules, composed of
Presentations and Tutorials where
tutorial is a practical, sequence of actions

- **Give feedback on the DL itself**
- **Some enhancements too recent to be included here**
 - Personal views
- **Some enhancements are imminent**
 - Management of lists
- **The Digital Library is now *the* repository of EGEE training material**
- **Try it!!**

- **Development details and URL:**
 - <http://egee.lib.ed.ac.uk>
 - <http://wiki.nesc.ac.uk/read/egee-elearning/>
- **Contact:**
 - Boon Low, boon.low@ed.ac.uk