e-Learning Digital Library and the NA3 Editorial Task Force

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Overview

- **The challenges to be addressed in accessing and re-using training material to achieve high quality courses**

- **The NA3 solutions**
  - The EGEE Digital Library
  - The “Editorial Task Force”

The challenges

- **Training effort is tiny in comparison to the need for training**

  Need gain maximum benefit from each presentation & tutorial by enabling re-use

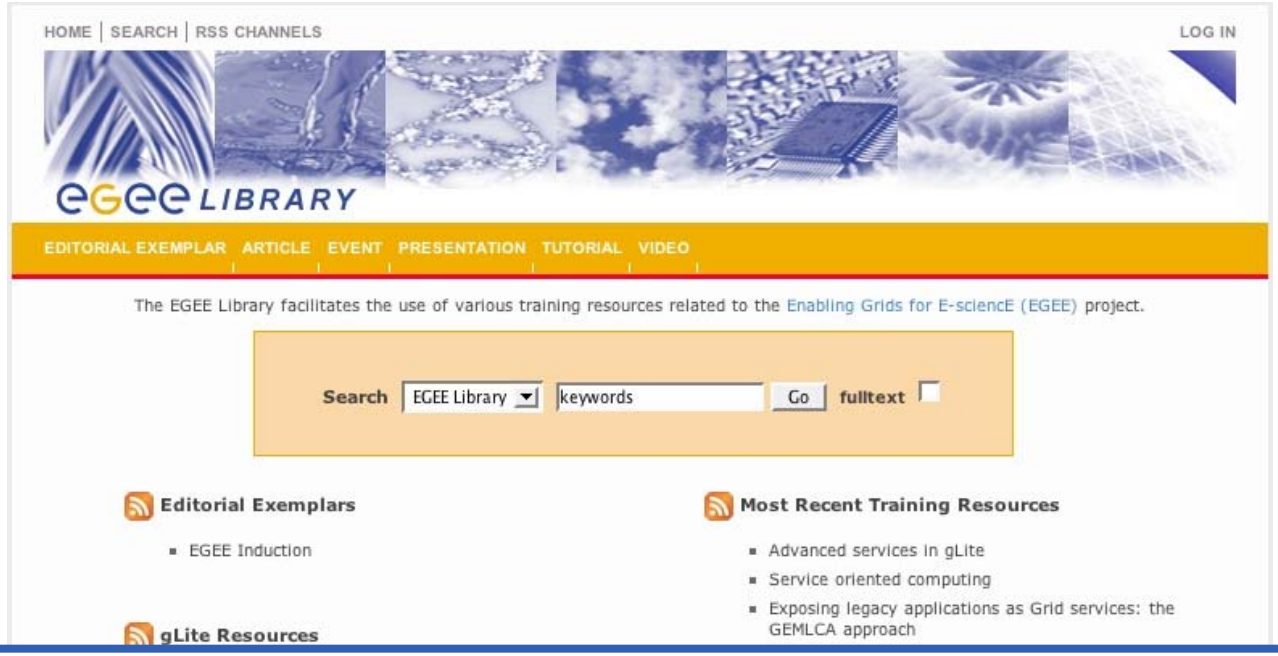
- **In EGEE-I a huge number of presentations were held in a repository – became very unwieldy**

  Need mechanisms to simplify selection of relevant material for future courses and for self-guided learning

- **This talk seeks to outline the responses in NA3**

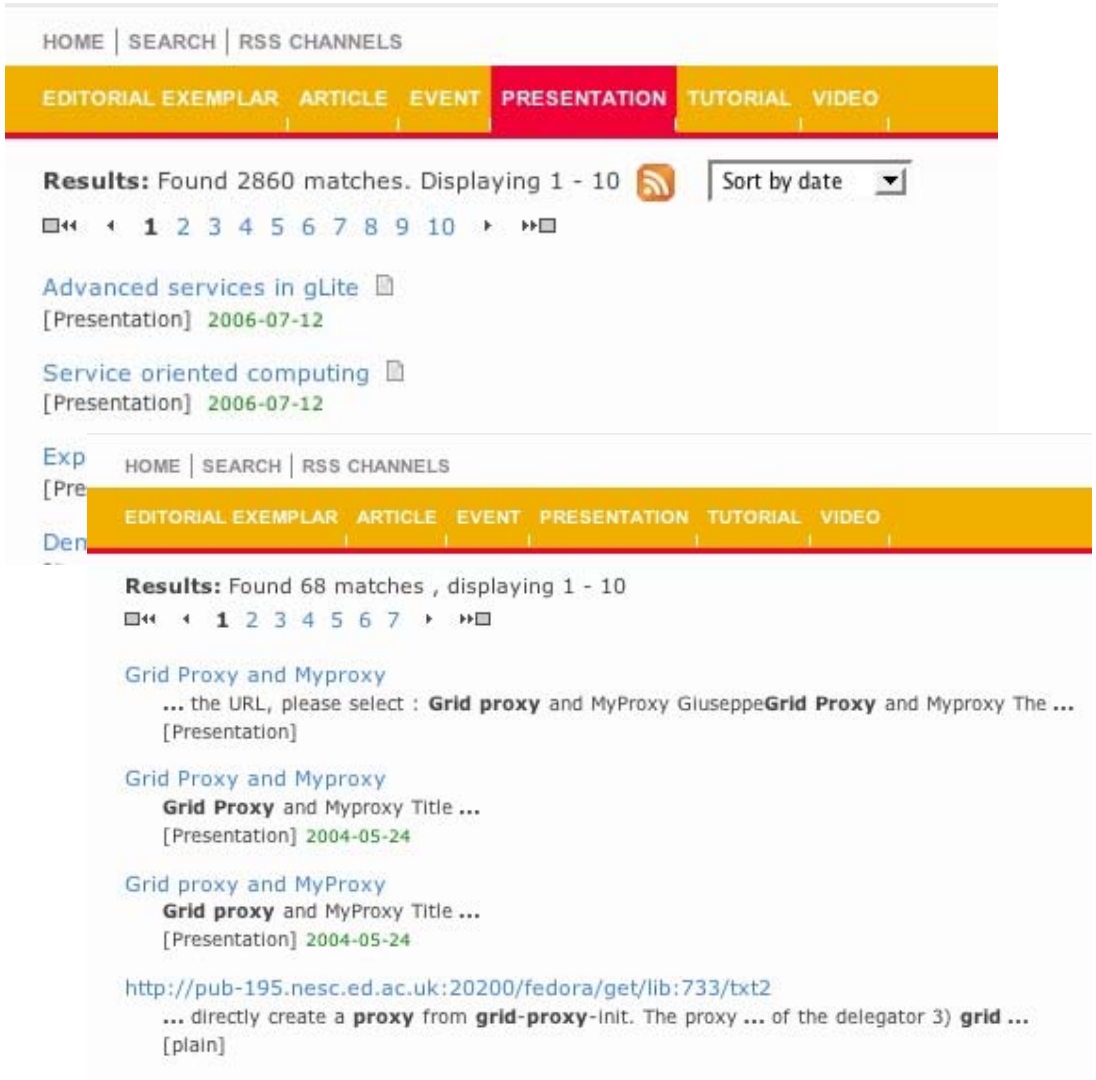
  The hardest challenge:
  For these to have impact, we all have to use them!!

EGEE Library



- **Open to everyone for search and retrieval** http://egee.lib.ed.ac.uk
- **Its impact depends on whether we all add material / comments**
- **Also accessible via web services - by negotiation**
- **Based on Fedora open source repository and international standards**

EGEE Library



- 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)
- RSS feeds

Use of Digital Library by NA3

- **Open to everyone for search/retrieval**
- **Its value depends on us all**
- ***You* are asked to add material from training courses:**
  - **Courses**
  - **Modules**
  - **Presentations**
  - **Tutorials** (practical sessions – often a URL – note make self-sufficient with tar files etc. so can re-use in future)
- **No need to add every course/ presentation**
  - Don't just replicate existing entries!
  - Ensure the best material is in the Digital Library
  - And then add comments
- **AND to comment on material**
  - to help others make better use of it
  - E.g. to say what is new in this, to correct errors, to say when material is superseded.
- **Also add other types of material: websites, documents,…**

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NOTE Be precise with these terms: will improve searchability!

…. An internationally agreed taxonomy!

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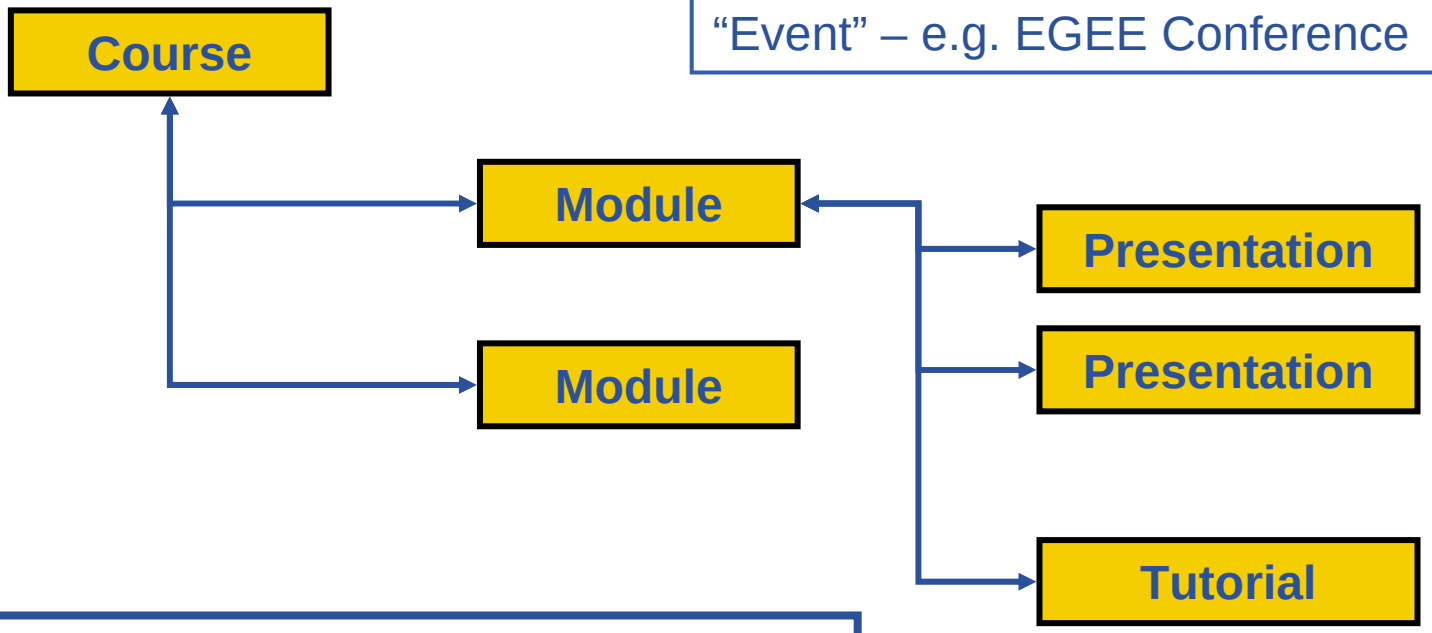
Most-Used Object Types

Other object types:

"Event" – e.g. EGEE Conference



Imminent functionality:

Capturing relationships course-module-…as lists

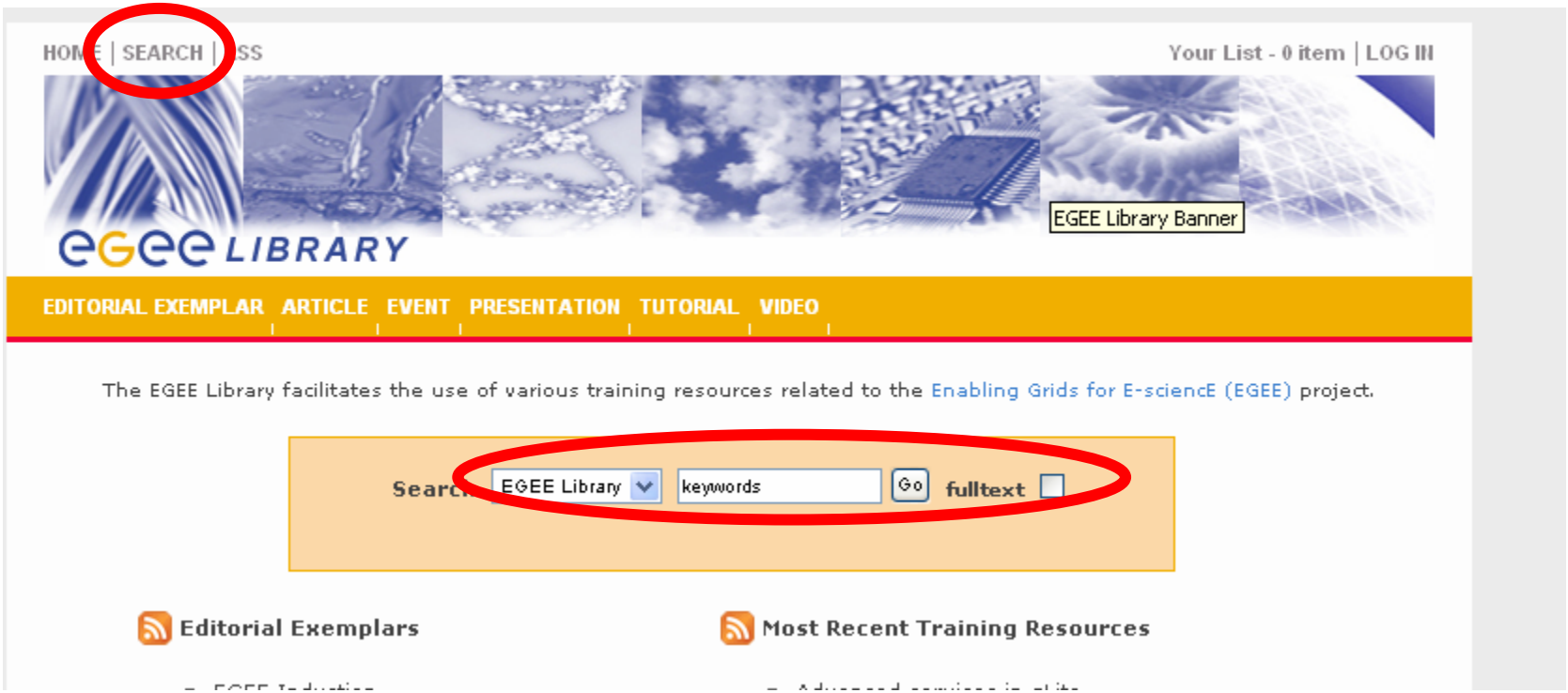
At present, these are not connected

Tutorial = a practical with a closed sequence of actions

Try it!

- Go to http://egee.lib.ed.ac.uk/

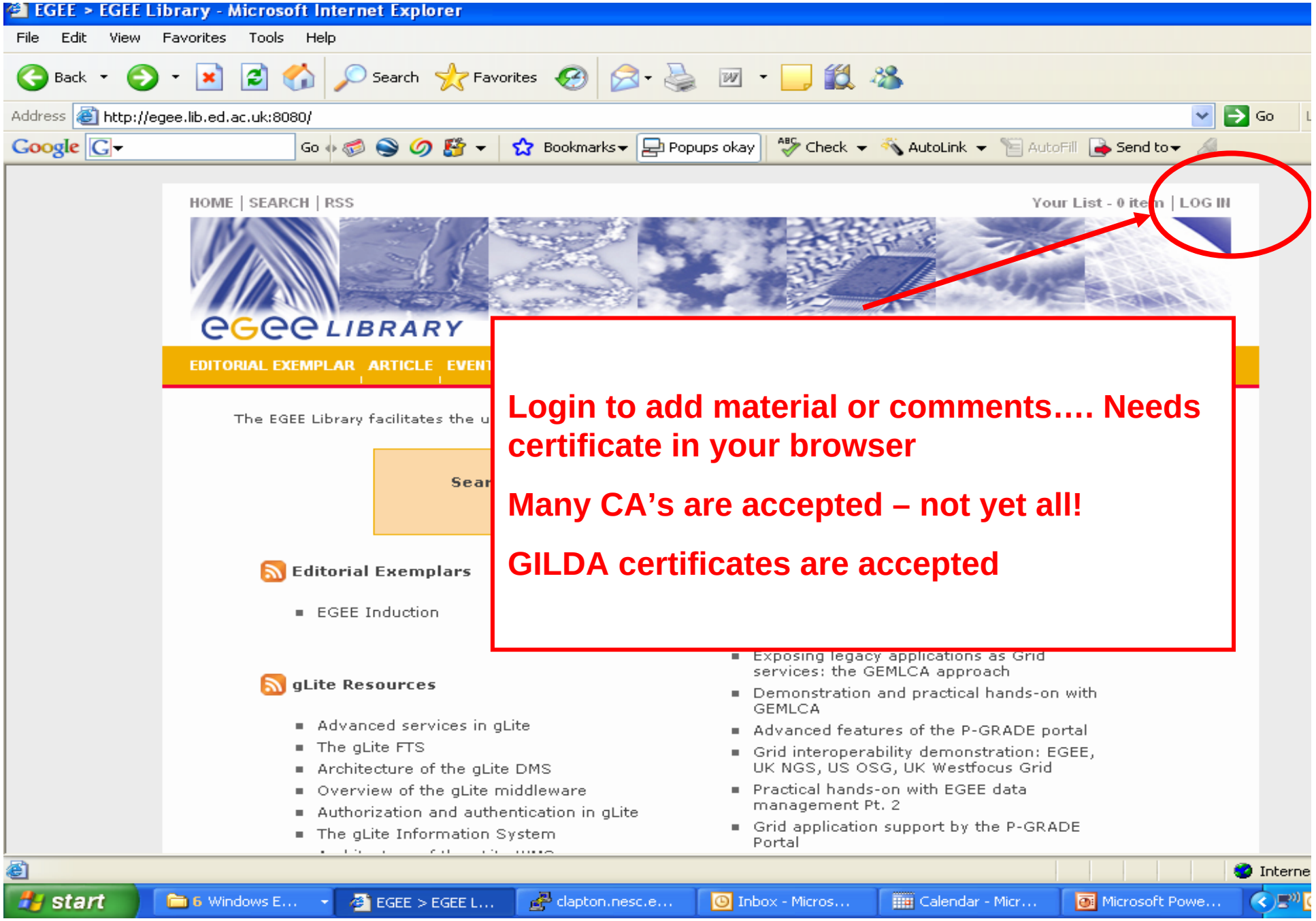
- Search by either of two routes:



Adding material and comments

- **Requires recognised e-science CA certificate in browser**
- **GILDA is recognised**
- **To add material (upload files or enter URL):**
  1. You create a “stub” and enter metadata
  2. The Digital Library editor confirms this
  3. Then the material becomes visible

- **Stub & confirmation – protects DL**
  - How should we make scalable the confirming of stubs? Extra role for the ETF??
- **Hidden slides in this presentation lead you through adding material/comments.**


EGEE > EGEE Library - Microsoft Internet Explorer
File Edit View Favorites Tools Help
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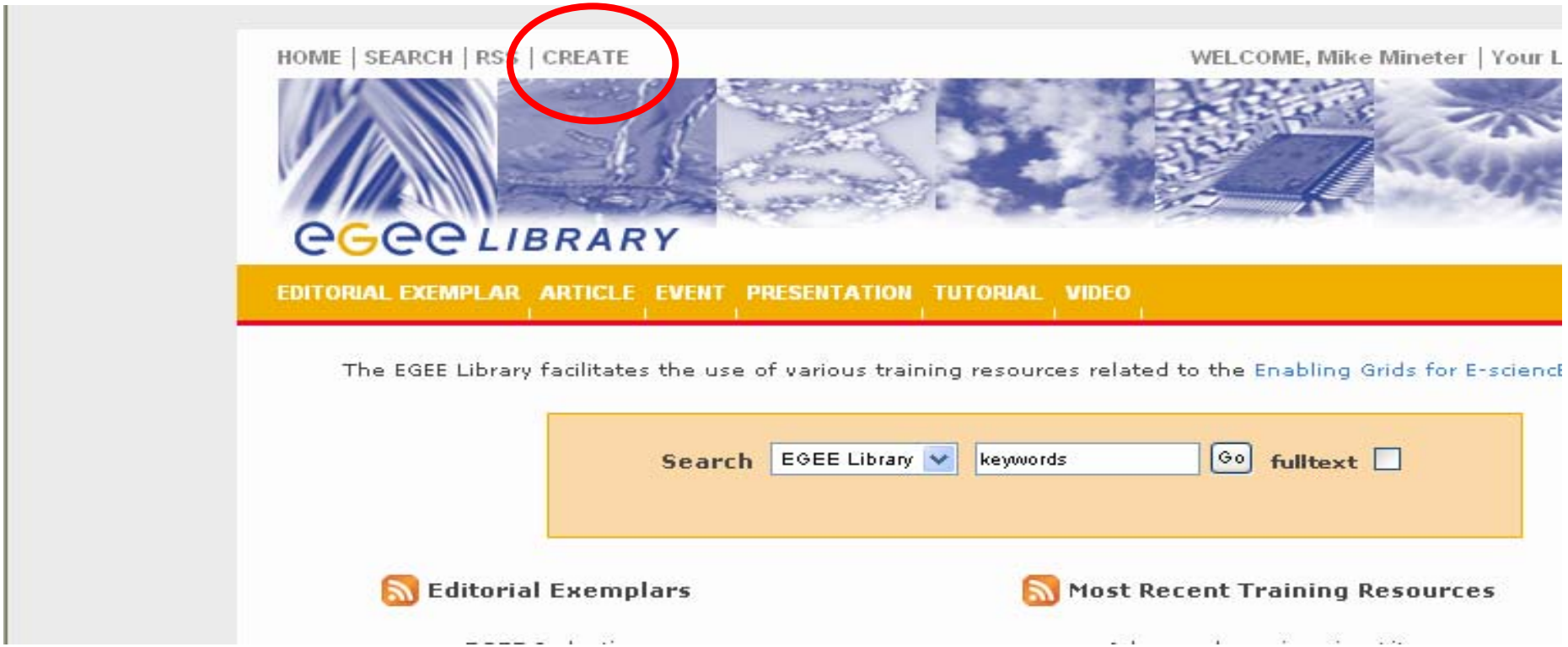
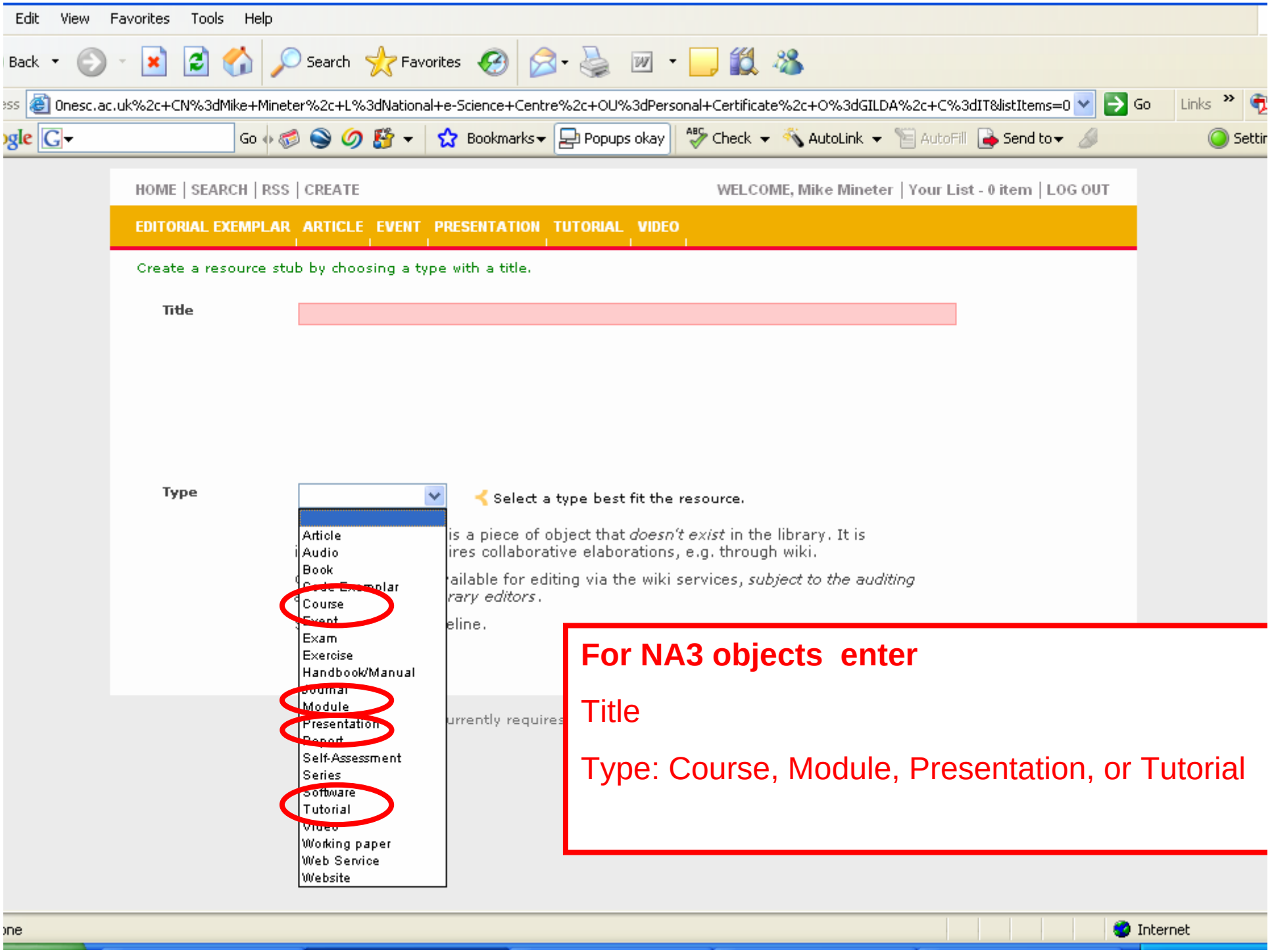
EGEE Induction
gLite Resources
Advanced services in gLite
The gLite FTS
Architecture of the gLite DMS
Overview of the gLite middleware
Authorization and authentication in gLite
The gLite Information System
Exposing legacy applications as Grid services: the GEMLCA approach
Demonstration and practical 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
Login to add material or comments…. Needs certificate in your browser
Many CA's are accepted – not yet all!
GILDA certificates are accepted
start
6 Windows E...
EGEE > EGEE L...
clapton.nesc.e...
Inbox - Micros...
Calendar - Micr...
Microsoft Powe...

To create new objects



- **After logging in you see a “create” option**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HOME | SEARCH | RSS | CREATE
WELCOME, Mike Mineter | Your List - 0 item | LOG OUT
EDITORIAL EXEMPLAR ARTICLE EVENT PRESENTATION TUTORIAL VIDEO
Create a resource stub by choosing a type with a title.
Title
Type
Select a type best fit the resource.
Article
Audio
Book
Course
Exam
Exercise
Handbook/Manual
Module
Presentation
Self-Assessment
Series
Tutorial
Working paper
Web Service
Website
is a piece of object that doesn't exist in the library. It is
ires collaborative elaborations, e.g. through wiki.
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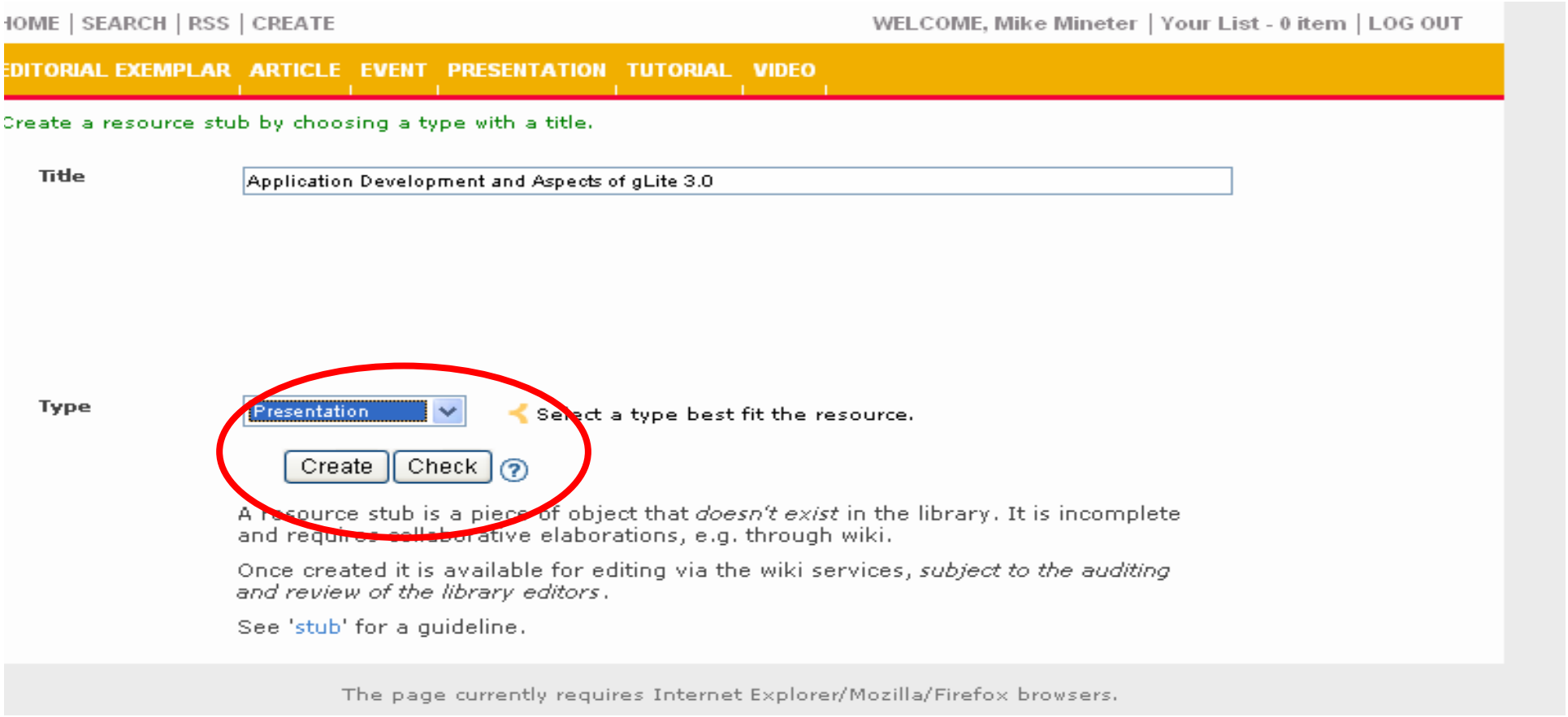
For NA3 objects enter
Title
Type: Course, Module, Presentation, or Tutorial
Internet



After entering title and type, create/check options appear

Create: creates a "stub"

HOME | SEARCH | RSS | CREATE
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 firs
to communities.
Comments - write a comment
A beta site of the EGEE Digital Library pilot
You are EMAILADDRESS=mjm@nesc.ac.uk, CN=Mike Mine
O=GILD

HOME | SEARCH | RSS | CREATE
DETAILS EDIT ATTACH HISTORY COMMENTS ADD TO LIST
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.
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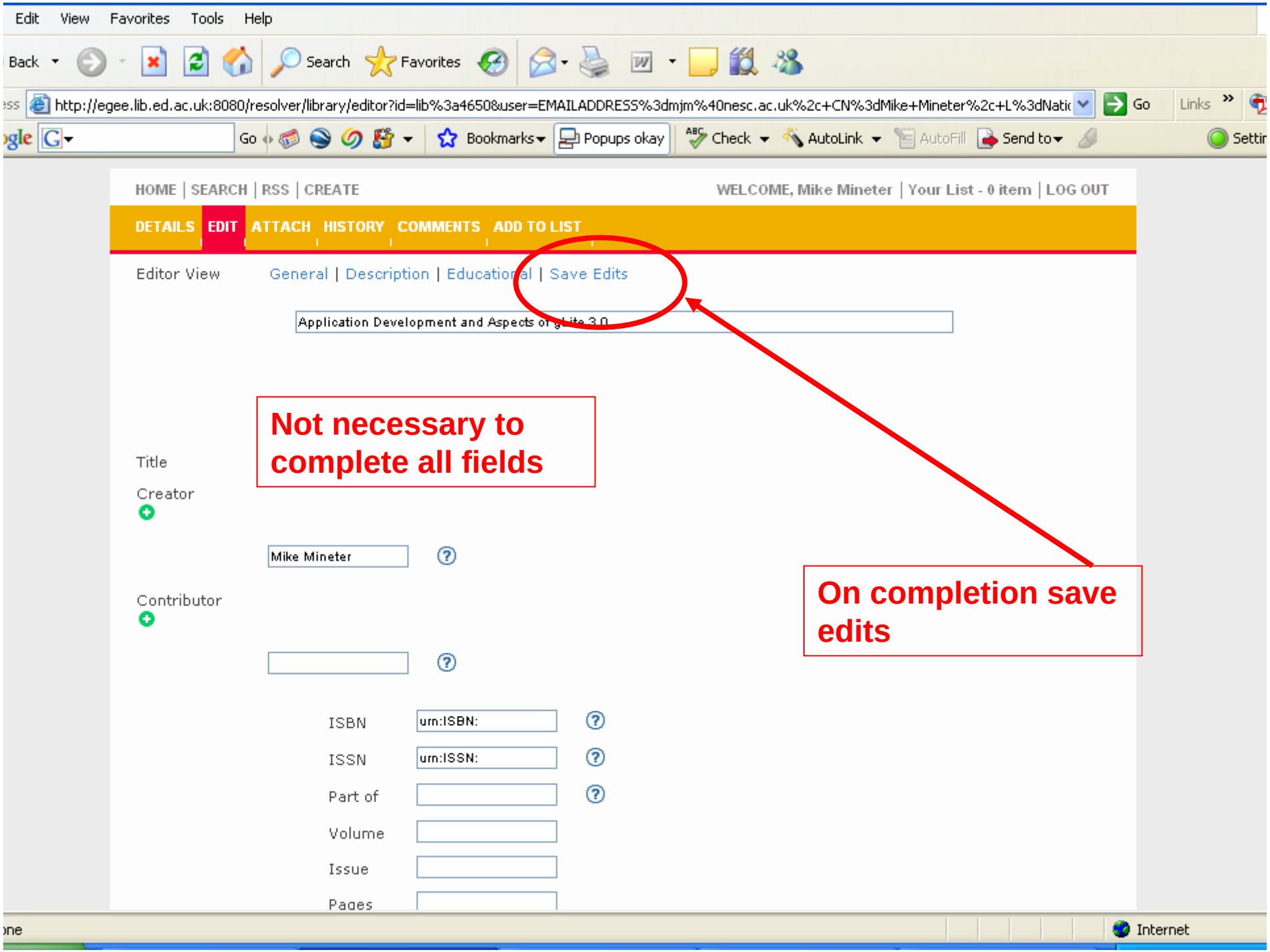
Edit metadata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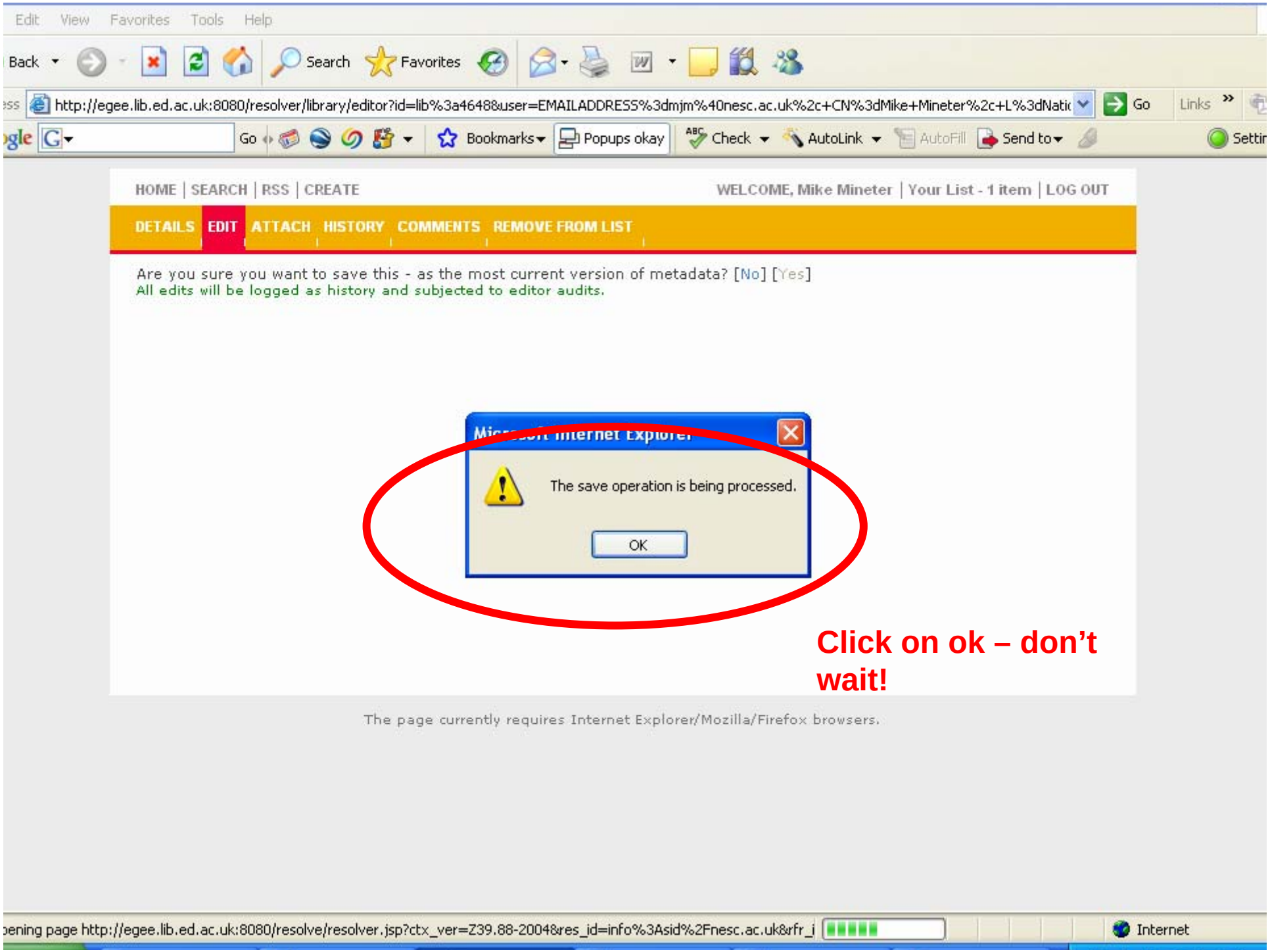
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HOME | SEARCH | RSS | CREATE
WELCOME, Mike Mineter | Your List - 1 item | LOG OUT
DETAILS EDIT ATTACH HISTORY COMMENTS REMOVE FROM LIST
Are you sure you want to save this - as the most current version of metadata? [No] [Yes]
All edits will be logged as history and subjected to editor audits.
Microsoft Internet Explorer
The save operation is being processed.
OK
Click on ok – don't wait!
The page currently requires Internet Explorer/Mozilla/Firefox browsers.
Internet

Coupling DL to other NA3 processes

- **Plans being formed at present**

- **Deploying Agendamaker in Edinburgh**
- **Enables closer coupling of**
  - Agendamaker
  - Digital Library
  - Events database
- **Consequence**
  - Procedures will become more friendly to use
  - Easier to coordinate
    - Use of DL
    - Entry of event information – before and after
    - Generation of report statistics

NA3 Editorial Task Force: ETF

Editorial Task Force

- **The goal of the Editorial Task Force is to collate and select material that is of particular value for trainers preparing future courses**
  - Generic to EGEE training
    - i.e. not concerned with federation-specific training
  - **NOT** saying “you must use this”!!!!!!!
  - **NOT** a centralised provider of new material !!
- **ETF is 4 people seeking to catalyse, coordinate wider effort**
- **Current focus**
  - Achieving initial goals whilst establishing its procedures
    - YOU need to tell us about new material!!! – use the ETF wiki or email
  - Initial selection of “exemplars”
    - induction material
    - Collating material for application developer courses
    - Will soon add sys admin & installation material

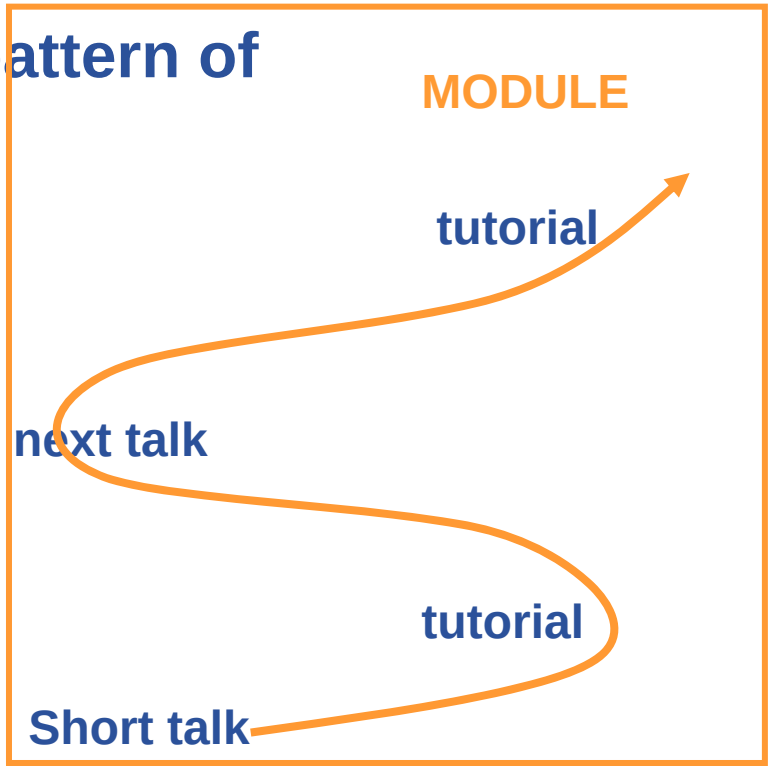
- **For information see http://www.egee.nesc.ac.uk/NA3ETF/**

Course composition

- **Goal: for NA3 to maximise benefit and minimise unnecessary effort – through re-use of material**
- **Modules are more re-useable than complete courses**
  - Compose courses from modules
    - Intro to information system
    - Using GFAL
    - Using RGMA
    - RGMA for monitoring applications
  - Contexts vary
    - Between federations
    - Between participants – some courses are for one VO, …
    - Time available varies
- **Editorial Task Force seeks to facilitate this**

ETF view on building courses

- **Minimise talking! More tutorials!**
  - Especially where a language isn't fluently shared by trainers and participants!
  - More is learnt from doing than listening!
    - Training: is teaching people how to do something – so do it!
- **For each module, seeking a pattern of**
  - Introduce key ideas
  - Use them in practical
  - More detailed description
  - More practical...
- **Avoid**
  - Death by powerpoint
  - Then long practicals!



ETF exemplar tutorials

- **Moved from a speaker-led model to web-page lead**
  - Accommodates different speeds of typing, learning
  - Allows URLS to background information to be explored
  - Fast participants can do more advanced optional exercises
- **MUCH less stressful for participants…**
  - Not struggling to keep up
  - Written English is sometimes more fluent than spoken
- **… and less demanding for trainers**
  - Less needs to be remembered or said!
- **Tending to create practicals in pattern of:**
  - Simple “follow this” to learn concepts
  - Then increasing levels of challenge if time permits
- **See examples from ETF page, via NA3 home page**

Information

- **EGEE Digital Library: http://egee.lib.ed.ac.uk**
  - Development details and background:
    - http://wiki.nesc.ac.uk/read/egee-elearning/
  - Contact:
    - Boon Low, boon.low@ed.ac.uk

- **Editorial Task Force**
  - http://www.egee.nesc.ac.uk/NA3ETF/
  - Contact: Mike Mineter: mjm@nesc.ac.uk

Summary

- **Use the EGEE DIgital Library**
  - To access material
  - Upload new material
  - Comment on material
- **Help the ETF maintain lists of current exemplar material**
  - Use wiki
  - Email etf
- **Application developer courses**
  - Needs new modules – what???
    - APIs – see GILDA wiki
    - Higher level tools – need simple examples, of e.g. GANGA
    - Use ETF wiki (at present) to gather material, ideas for these