



Enabling Grids for E-science

EGEE 2nd External Review

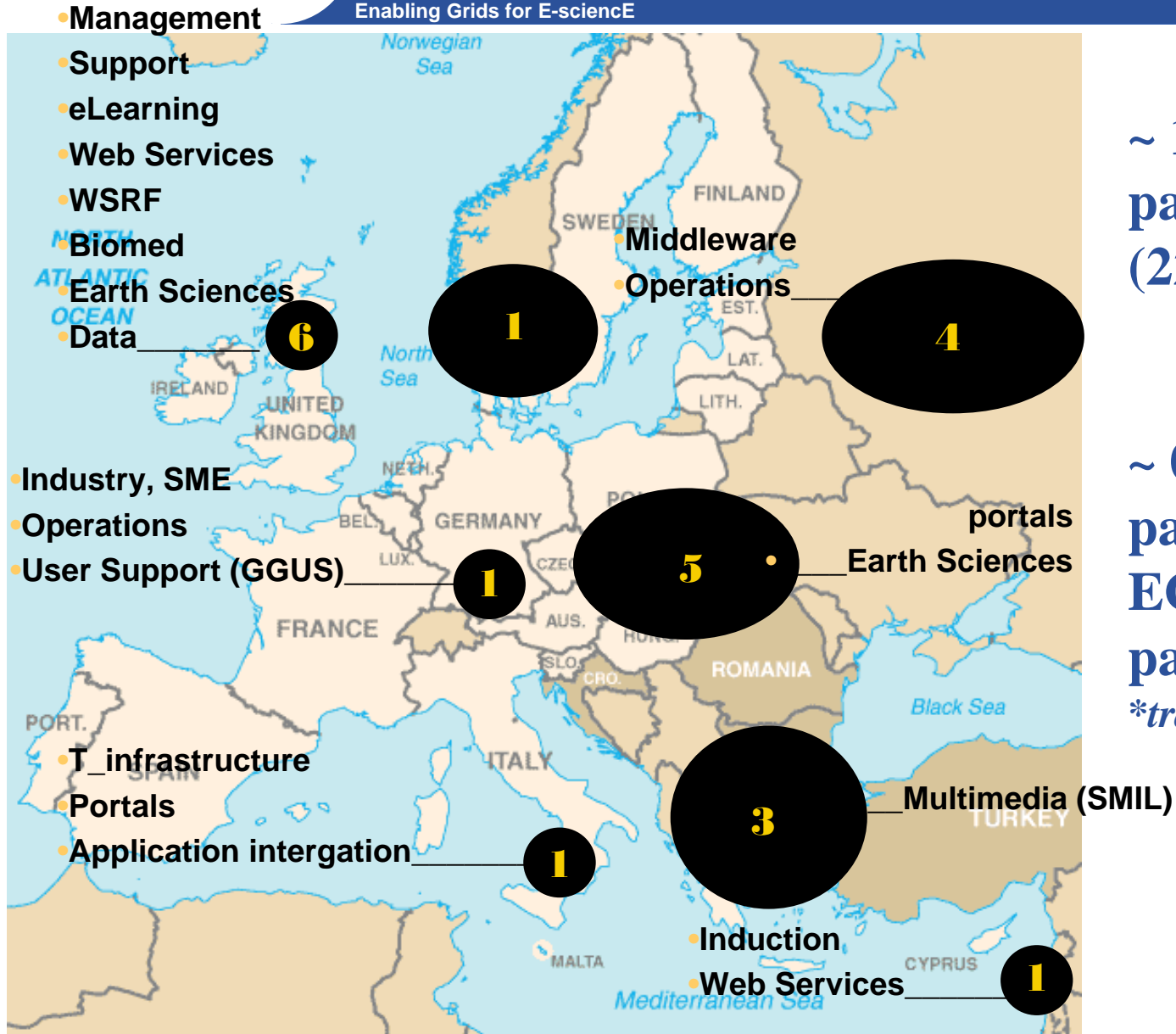
NA3 Training and induction

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www.eu-egee.org



Distribution of NA3 effort



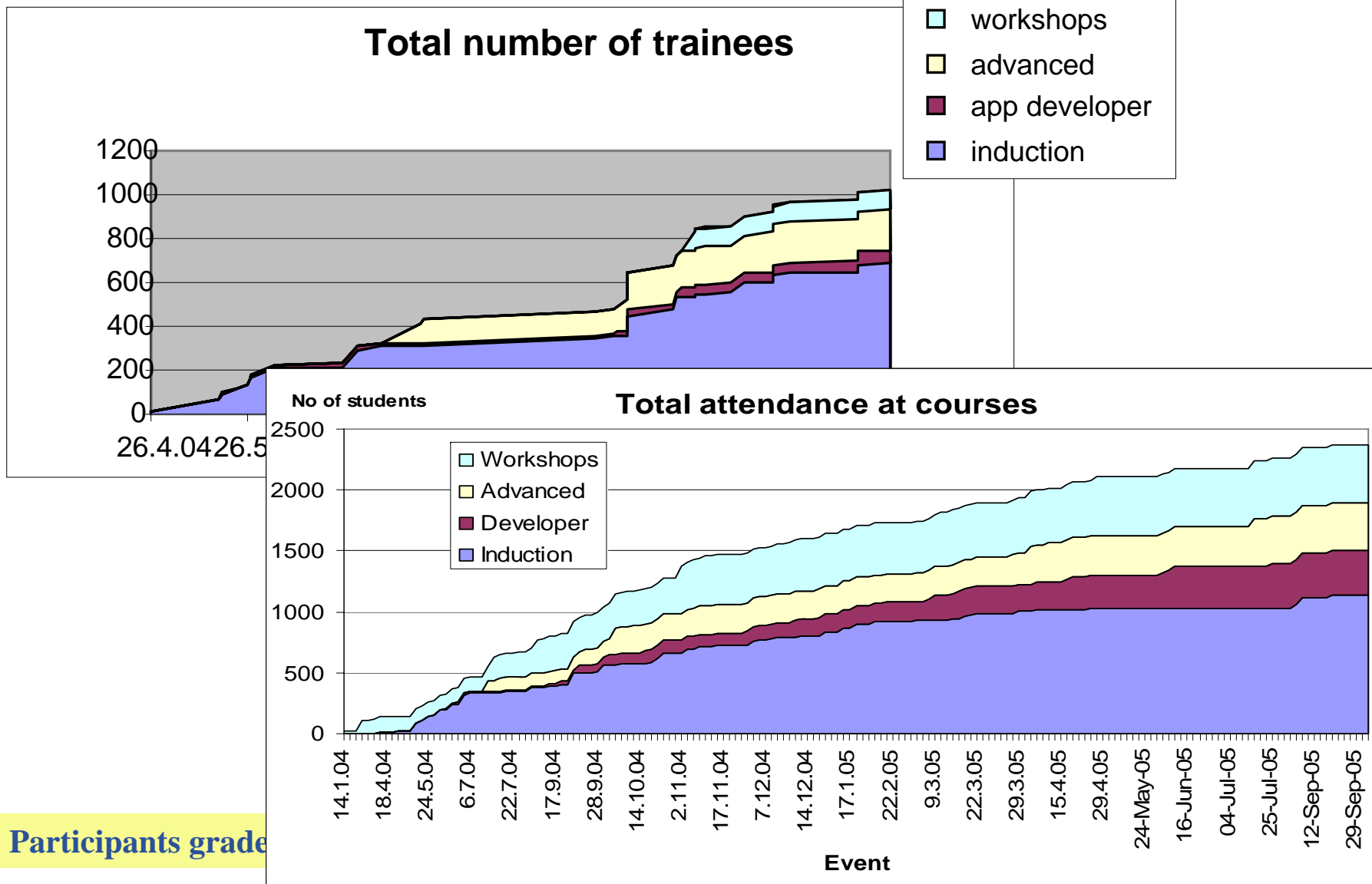
~ 1 FTE per partner in NA3 (22 partners)

~ 0.3 FTE per partner within EGEE (given 70 partners).

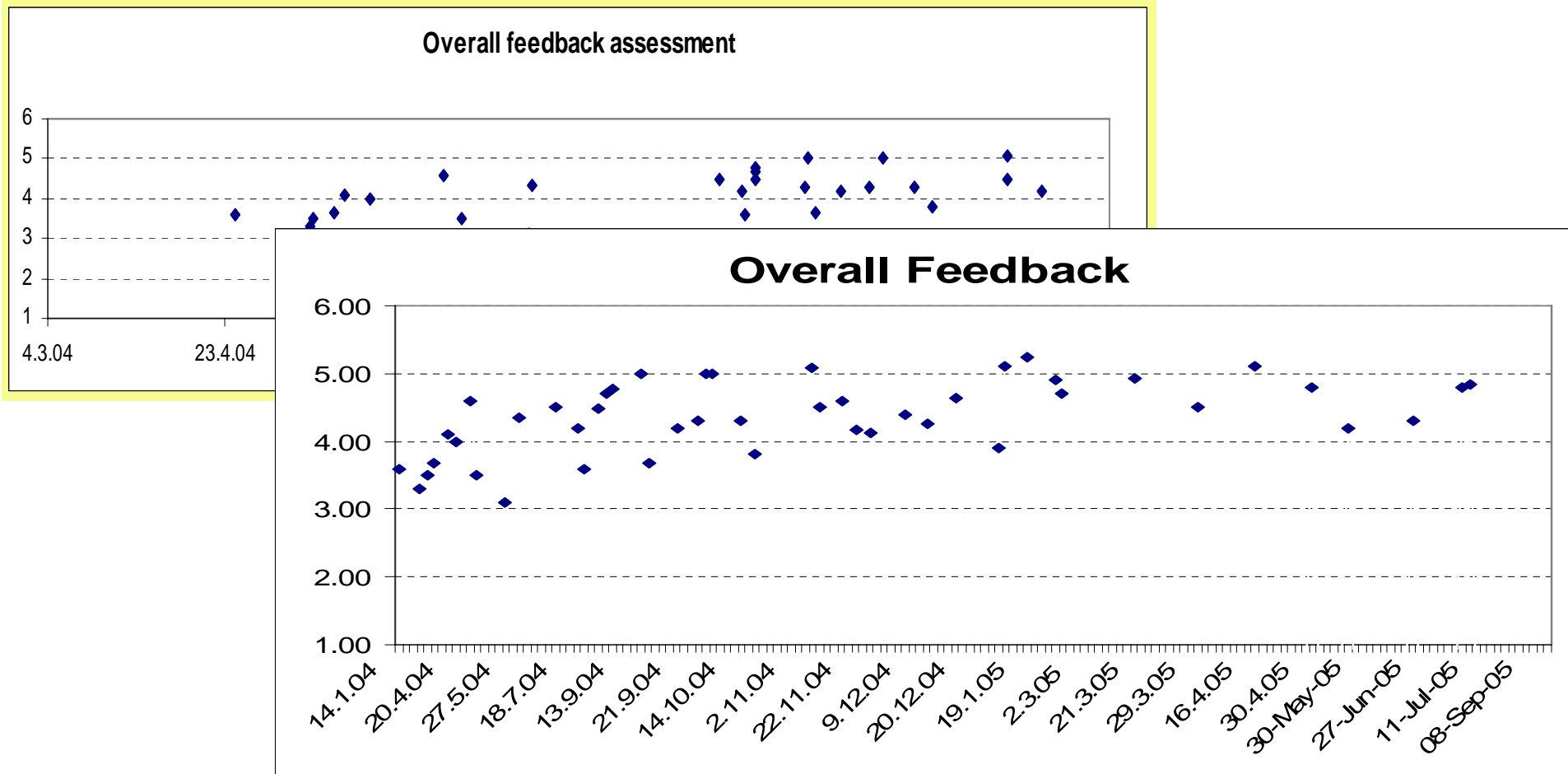
**training everywhere*



- **Diligent**
 - Athens, 18/4/05
 - Pisa, 23/10/05
- **Magic**
 - Tenerife, 16/10/05
- **EMBRACE**
 - Clermont-Ferrand, 25-27/5/05
- **TERENA/NRENS**
 - Cambridge, 6/5/04
 - Cambridge, 8/9/05
 - Estonia, 29-30/9/05
- **Industry attendees at:**
 - International Summer School on grid Computing '05
 - Grids@Work tutorial
 - SME course FZK
 - PRISM Forum UK (Pharma)
- **Biomed courses**
 - Madrid 7-8/10/04
 - GATE, Julich 9/3/05
 - Clermont-Ferrand, 22-23/3/05
 - PRISM workshop, UK, 26 – 28/4/05
 - Lyon, 30/5/05
 - Clermont-Ferrand, 25 -27/6/05
- **Physics courses**
 - GridKa Summer Schools
 - PPARC Summer Schools
 - CERN Summer Schools
- **Earth Sciences**
 - Slovakia 14/4/04
 - Slovakia 27-30/6/05



Participants grade course from 1 to 6, each point – average for a course overall score (workshops not included – see TA)



Trainers review grades and revise course material and training plans

- **Longer term feedback**
- **Match of course to expectations – 72%**
- **Generally considered themselves inexperienced before course**
- **Gaining experience through the course ~ 81%**
- **Improvement in work ~ 57%**

(n = 23)

- **GILDA/GENIUS** has been central in installing new middleware versions, making these available and sharing experience
- **UEDIN** cluster also used for early gLite installation in conjunction with **GILDA** to gather experience and developing new application developer courses.
- **Cluster at FZK** used to support application developer and installation courses for gLite

- **Two tasks**
 - Update the knowledge of existing trainers
 - Train new trainers
 - (Both of these also happen at events not specifically for this purpose)
- **6 specific “Training the Trainer” events in 4 countries**
- **More than 89 attendees**
- **Supporting the development and bootstrapping the internal training plans with new VO communities**
 - Working with NA4 on MoUs



EGEE

- Organised & Presented
- Created Progressive Exercise
- Integrating Components
- Incremental Introduction of Features & Challenges
- Leading to Integrated Grid team challenge
- Generated Significant Interest
- Follow on in Edinburgh MSc
- ICEAGE

The event was attended by 65 *selected* advanced international students

- The International Summer School for Grid Computing was largely organised by EGEE and the event was advertised in GridToday (<http://news.taborcommunications.com/msgget.jsp?mid=389473&xsl=story.xsl>) due to the kind support of GGF.
- Mechanisms have been put in place to ensure that news about training events (both up-coming and reports of past ones) are better represented in the EGEE Newsletters (see recent releases).
 - **Appointed A.McCall to provide liaison and improve communication with NA2.**
 - **Similarly efforts are made at the national level (for example in the NeSC NewsLetter to the UK eScience community).**

- **Regional EGEE Summer School in Budapest, 11-16 July**
 - Induction course, Application Developer Course, Advanced Course gLite
- **PPARC Summer School – Edinburgh**
- **CERN Summer Students School**
- **CERN Summer School**
- **GridKA – October –**
 - Principles, User Induction, Developer APIs & Installation gLite

- **Event between training and dissemination. In 2005:**
 - Participants from 10 nations
 - 6 courses
 - gLite introduction (x2)
 - ROOT/PROOF (x2)
 - Grid Appl. Development
 - gLite installation (based on Grid-in-a-box!)
 - 17 talks



- Yearly event (now in its third year)
- On the left:: Picture from GridKa School 2004

- Basic security concepts and the necessary technical aspects for users (certification) are included in induction and developer training courses routinely.
- UEDIN has been working closely with National Centre for eSocial Science, UK
 - **contributing to the NCeSS event in February.**
 - **UEDIN is also helping NCeSS create an online Learning Object compliant entry relating to Virtual Organisations**
 - **re-used within the EGEE online training resources.**

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Welcome to EGEE Learning

This website contains information and prototype services for an initiative, EGEE Learning, to pilot e-learning for the [Enabling Grids for E-science \(EGEE\)](#) project which aims to develop production grid infrastructure for scientific purposes. The e-learning pilot is part of EGEE [Networking Activity \(NA3\)](#) to provide user training and induction.

News:

- The EGEE NA3 e-Learning initiative has been announced at the [3rd EGEE Conference](#). See "e-Learning: Requirements, Service Options and Plan" presentation. *20/04/05*

Grid in General: What is grid computing? How does grid relate to e-science? What is *EGEE, CrossGrid, LCG, OSGA, Globus, GGF*? What are the toolkits available for developing grid applications? [Learn more..](#)



is a middleware produced jointly by different academic and industrial research centres from the EGEE Project to underpin grid applications. [Learn more..](#)

Library Quick Search

Enter keyword(s):

Sort by:

Title

More advanced search options available from "discovery" menu.

Current Modules

- [gLite](#)
- [Grid in General](#)
- [Using GENIUS](#)
- [XML](#)
- [WSDL](#)

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Prototype of improved archive & interface demonstrated at Pisa

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Found: 64 matches , displaying 1 - 15

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- "combined" LCG + gLite UI installation & configuration / Presentation / Emidio Giorgio
- Architecture of gLite WMS / Presentation / Salvatore Montforte , Marco Pappalardo
- Architecture of gLite WMS / Presentation / Marco Pappalardo , Salvatore Monforte
- Biomed developer's tutorial / Event
- Comparing LCG-2 and gLite (no-longer available) / Presentation
- Comparison of LCG-2 and gLite v1.0 / Presentation / E.Slabospitskaya
- Convergence of LCG-2 and gLite / Presentation / James Casey
- Current status of gLite / Presentation / Erwin Laure
- Deployment Process and gLite Transition / Presentation / Markus Schulz
- Experience and plans using gLite (Biomed) / Presentation / Ignacio Blanquer
- Experience and plans using gLite (Biomed) / Presentation / Ignacio Blanquer
- Experience and plans using gLite (New applications) / Presentation / Giuseppe Andronico
- Experience and plans using gLite (New applications) / Presentation / Giuseppe Andronico
- Experiences and plans using gLite in HEP / Presentation / D. Liko
- Experiences and plans using gLite in HEP / Presentation / D. Liko

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Results filter

Resource type

- event / exercise / module / presentation / tutorial /

Year

- unclassified / . / 2004 / 2005 /

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General Description Subjects

Type

Title

By

Date ← yyyy or dd/mm/yyyy

Language

URL ← url,cvs,wsdl,rss etc.

File

wiki options

All edits will be logged as history and subjected to the audit of library editors.

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Resource History

Metadata

- 2005-10-10, 09:57:42: version: [DC.6](#)
Grid Computing
- 2005-10-10, 09:45:10: version: [DC.5](#)
Grid Computing
- 2005-10-10, 08:45:21: version: [DC.4](#)
Grid Computing
- 2005-10-07, 13:45:59: version: [DC.3](#)
Grid Computing
- 2005-10-07, 13:38:00: version: [DC.2](#)
Grid Computing
- 2005-09-21, 10:20:31: version: [DC.1](#)
Grid Computing
- 2005-09-21, 10:17:18: version: [DC.0](#)

Files

- 2005-10-10, 10:14:02: version [txt.1](#) :
Grid Computing
- 2005-10-10, 10:12:39: version [txt.0](#) :
Grid Computing

- 2005-10-10, 10:27:43: version [pdf.0](#) :
Grid Computing

wiki options

Select a specific edited version to view or edit content

These options currently requires Mozilla/Firefox browsers.

- **Development details and testbed:**
 - <http://wiki.nesc.ac.uk/read/egee-elearning/>
- **Email**
 - boon.low@ed.ac.uk

- **Scale**
 - Support geographically diverse groups
 - Many different knowledge domains
 - Breadth of knowledge required

- **Quality**
 - Maintain and encourage a ‘quality culture’

- **Rate of change**
 - New middleware features
 - New VOs
 - Changing needs of domains
 - New projects
 - Changes in national grid provision

- **Rapid response to introduction of gLite**
 - Adoption of gLite
 - Sharing of experience
 - Creating courses
- **Moving to more demanding courses**
 - Greater proportion of developer courses to aid migration
- **Demonstrating new tools to aid alternative modes of training (self-paced).**
- **Improving communication with dissemination**
- **Maintaining quality and momentum.**
- **Supporting related projects and EGEE VOs**
 - Encouraging their 'organic' training efforts
- **Development of new training models**
 - Integrated training models to engage external training groups
 - Eg. Condor & Globus

- **During the introduction of gLite training effort has been focusing on developer & install courses**
 - these have included events specifically targeted at developers (for instance in the biomed community, and physics, eg. at GridKa)
 - and for administrators (eg. installation courses for biomed & physics)
- **Follow-on survey shows good levels of long term satisfaction.**
 - t-Infrastructure (clusters at UEDIN & FZK) used to support gLite admin courses and new course developments
 - t-Infrastructure (UEDIN & GILDA) provided training with experience of early gLite installations.
 - Prototyping improved archive
- **Channels of communication to dissemination being improved and high profile events advertised more widely.**
 - Eg. ISSGC'06 in GridToday
- **Continuing 'training the trainers' and cooperating with NA4 to help develop new communities' own training plans.**
- **Security integral to training courses & cooperation in UK with NCeSS**