

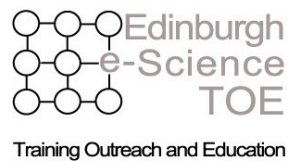


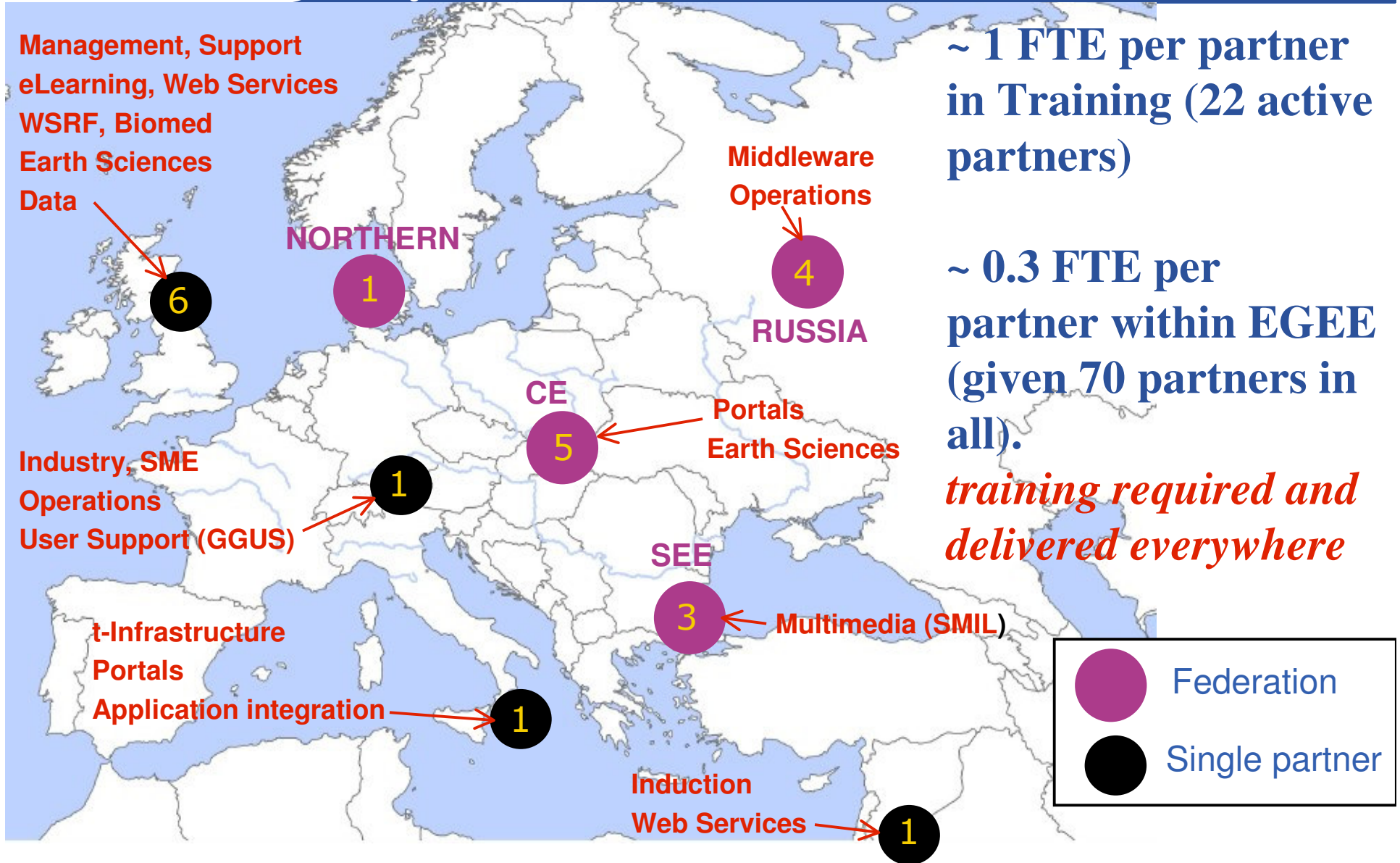
Enabling Grids for E-science

EGEE Training

www.eu-egee.org

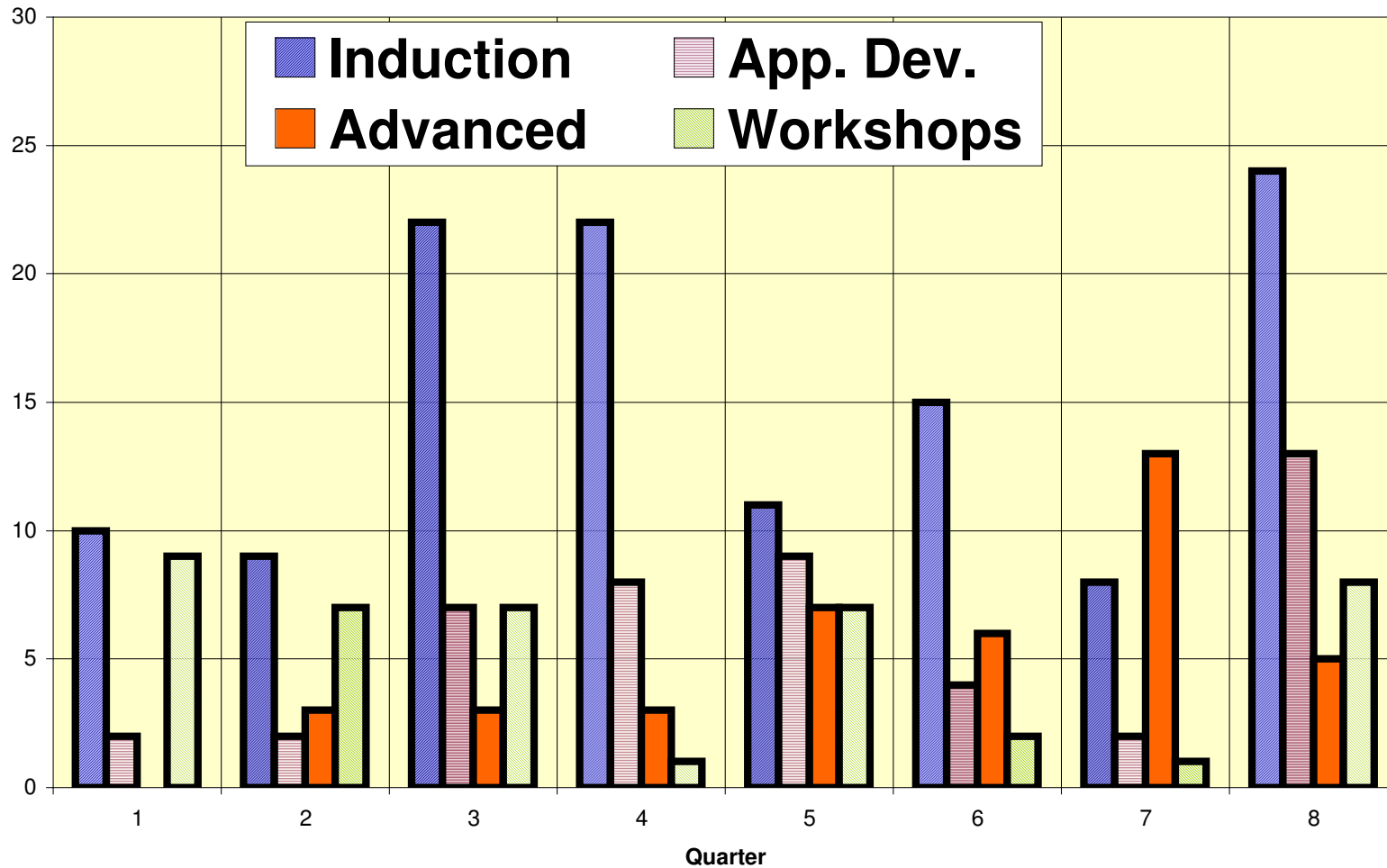
Presented by David Fergusson, National eScience Centre, UK



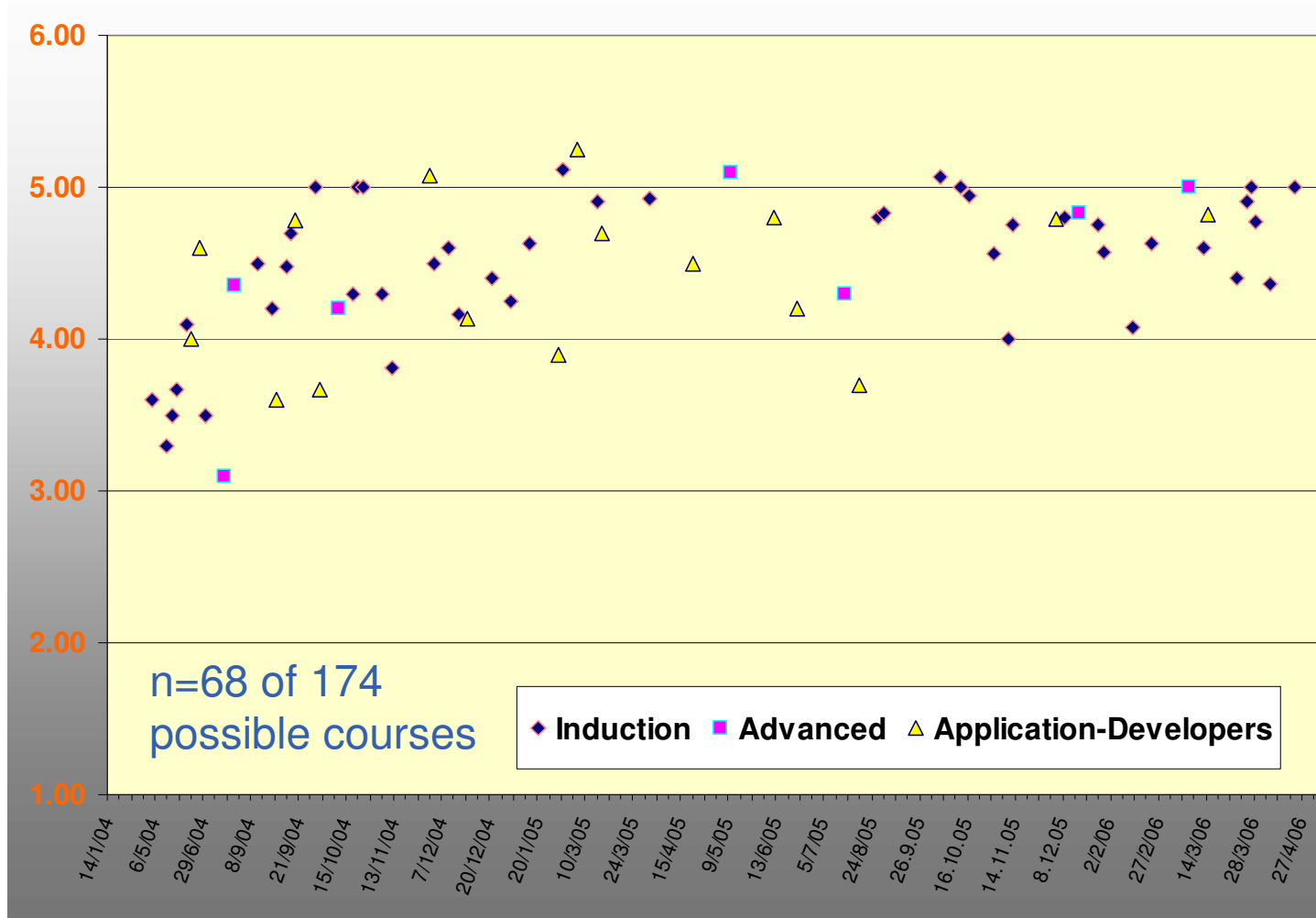




Course types per quarter



Overall Feedback by course type



Participants grade course from 1 to 6. Each point = average of overall score for a course

Trainers review grades and revise course material and training plans

Catania
Leader:
Roberto
Barbera

Leading:
t-Infra-
structure
activity



GILDA (G r i d I n f n L a b o r a t o r y f o r D i s s e m i n a t i o n A c t i v i t i e s)

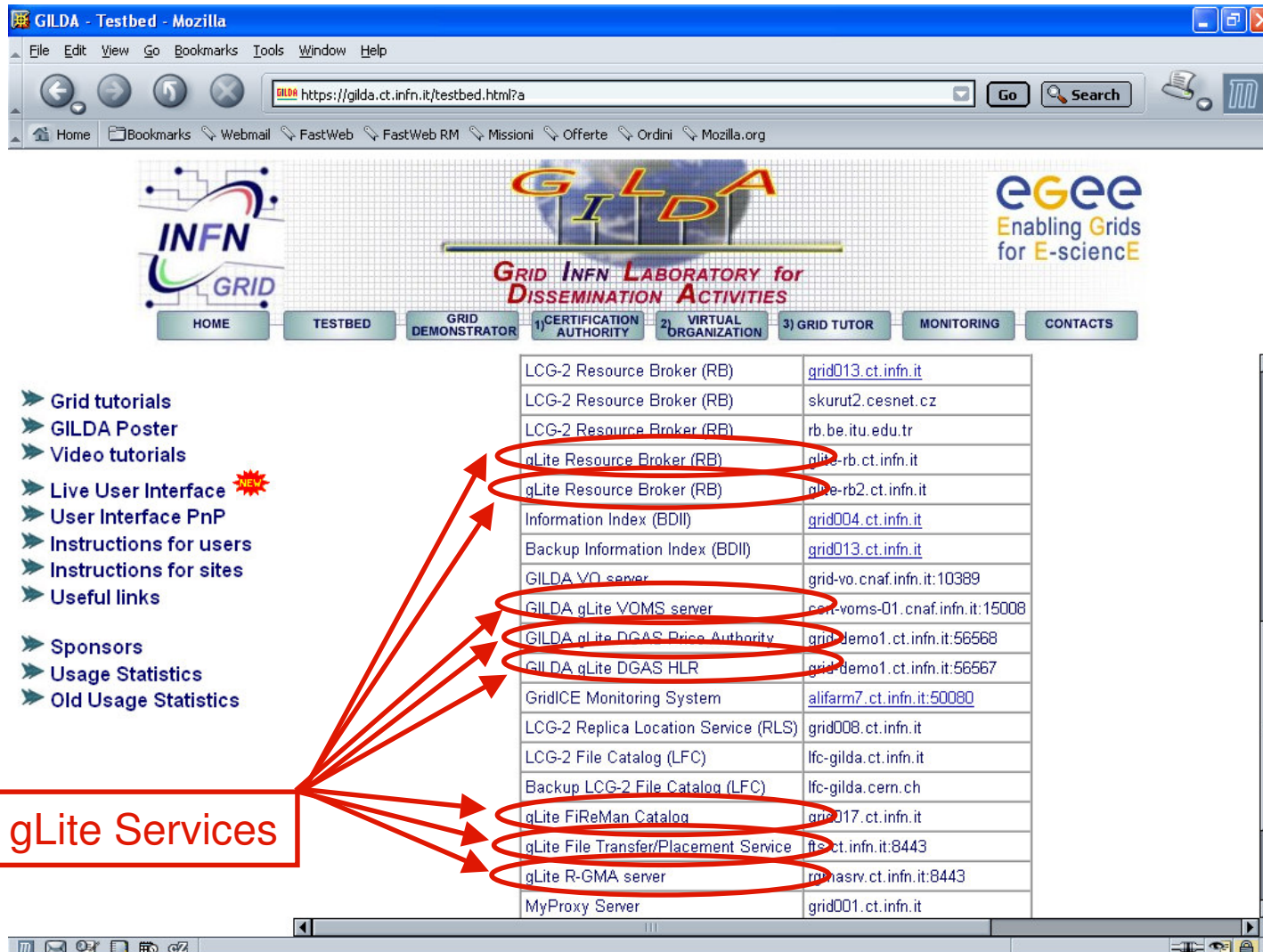
is a virtual laboratory to demonstrate/disseminate the strong capabilities of grid computing.

GILDA consists of the following elements:

- [the GILDA Testbed](#): a series of sites and services (Resource Broker, Information Index, Data Managers, monitoring tool, Computing Elements, and Storage Elements) spread all over Italy and the rest of the world on which the latest version of both the [INFN Grid](#) middle-ware (fully compatible with [LCG](#) middle-ware) and the [gLite](#) middle-ware are installed;
- [the Grid Demonstrator](#): a customized version of the full [GENIUS web portal](#), jointly developed by INFN and [NICE](#), from where **everybody** can submit a pre-defined set of applications to the GILDA Testbed;
- [the GILDA Certification Authority](#): a fully functional Certification Authority which issues 14-days x.509 certificates to everybody wanting to experience grid computing on the GILDA Testbed;
- [the GILDA Virtual Organization](#): a Virtual Organization gathering all people wanting to experience grid computing on the GILDA Testbed; GILDA also runs the [Virtual Organization Membership Service \(VOMS\)](#) developed by INFN;
- [the Grid Tutor](#): based on a full version of the [GENIUS web portal](#), to be used only during [grid tutorials](#);
- [the monitoring system](#): a versatile monitoring system completely based on [GridICE](#), the grid monitoring tool developed by INFN;
- [the GILDA mailing list](#): gilda@infn.it, also archived on the web [here](#).

- Grid tutorials
- GILDA Poster
- Video tutorials
- Live User Interface
- User Interface PnP 
- Instructions for users
- Instructions for sites
- Useful links
- Sponsors
- Usage Statistics
- Old Usage Statistics

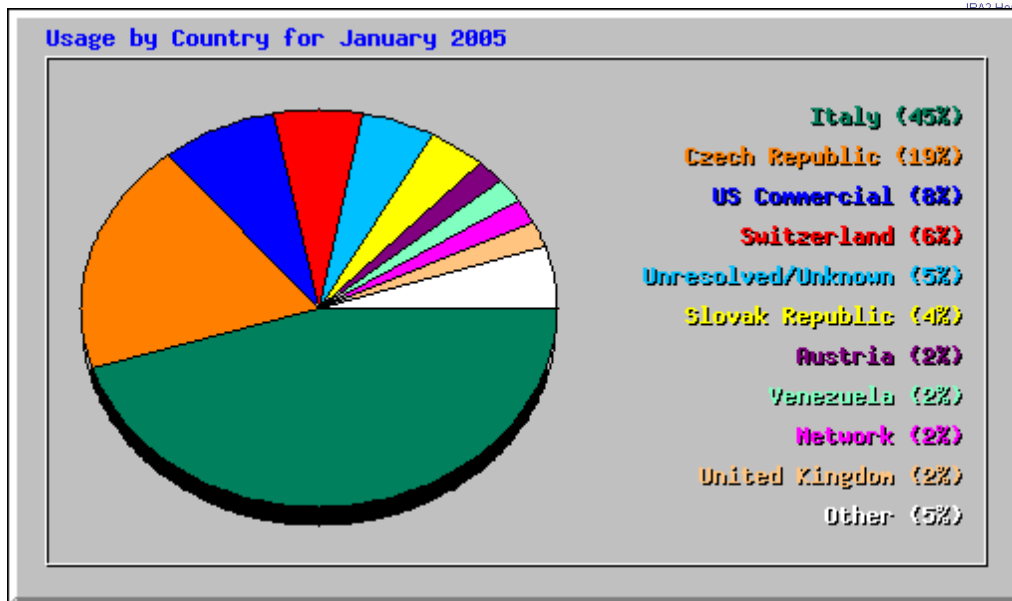
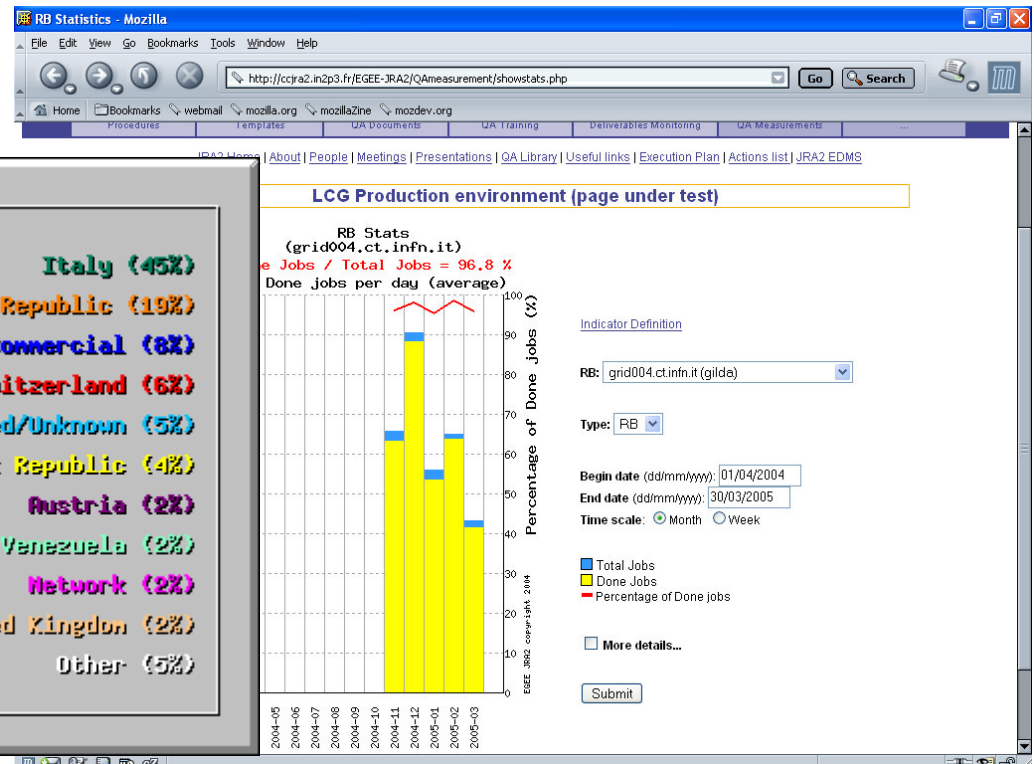
- **GILDA/GENIUS has been central in installing new middleware versions, making these available and sharing experience**
- **GILDA/GENIUS extensively used in induction and advanced training courses and summer schools**
- **UEDIN cluster also used for early gLite installation in conjunction with GILDA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



gLite Services

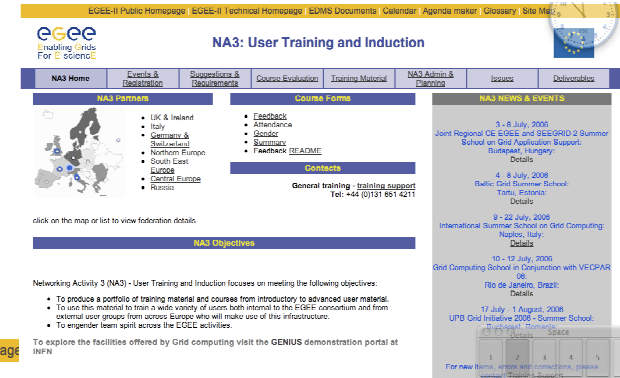
LCG-2 Resource Broker (RB)	grid013.ct.infn.it
LCG-2 Resource Broker (RB)	skurut2.cesnet.cz
LCG-2 Resource Broker (RB)	rb.be.itu.edu.tr
gLite Resource Broker (RB)	glite-rb.ct.infn.it
gLite Resource Broker (RB)	glite-rb2.ct.infn.it
Information Index (BDII)	grid004.ct.infn.it
Backup Information Index (BDII)	grid013.ct.infn.it
GILDA VO server	grid-vo.cnaf.infn.it:10389
GILDA gLite VOMS server	cert-voms-01.cnaf.infn.it:15008
GILDA gLite DGAS Price Authority	grid-demo1.ct.infn.it:56568
GILDA gLite DGAS HLR	grid-demo1.ct.infn.it:56567
GridICE Monitoring System	alifarm7.ct.infn.it:50080
LCG-2 Replica Location Service (RLS)	grid008.ct.infn.it
LCG-2 File Catalog (LFC)	lfc-gilda.ct.infn.it
Backup LCG-2 File Catalog (LFC)	lfc-gilda.cern.ch
gLite FiReMan Catalog	grid017.ct.infn.it
gLite File Transfer/Placement Service	fts.ct.infn.it:8443
gLite R-GMA server	rgmasrv.ct.infn.it:8443
MyProxy Server	grid001.ct.infn.it

- 15 sites in 3 continents
- > 2600 certificates issued, >15% renewed at least once
- > 75 tutorials and demos performed in 15 months
- > 50 jobs/day on the average
- Job success rate above 80%
- > 1,000,000 hits (> 47,000 visits) on (of) the web site from 10's of different countries
- > 0.6 TB of videos and UI's downloaded from the web site




- **Diligent**
- **Magic**
- **EMBRACE**
- **BioinfoGrid**
- **TERENA/NRENS**
- **Industry attendees at:**
 - ISSGC '05
 - Grids@Work tutorial
 - SME course FZK
 - PRISM Forum UK (Pharma)
- **ISSEG, ETICS, ICEAGE**
- **EUMEDGRID, EELA, SEEGRID**
- **Biomed courses**
- **Physics courses**
- **Earth Sciences**
- **Social Sciences**
- **Geographical outreach:**
 - **BalticGrid (joined EGEE)**
 - **Taiwan, Singapore, Japan, Korea, China**
 - **Australia, New Zealand**
 - **Venezuela (joined EELA)**

- EGEE Training web site (<http://www.egee.nesc.ac.uk/>)
 - Course registration support
 - Scheduling support
 - Training materials repository
 - Links to tools for training



Training: Administration and Planning



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EGEE
 Induction | Middleware Introduction | Setting the Scene | Phase II

gLite
 The middleware, its architecture and components | Architecture of gLite Data Management System

Getting Started
 Grid in General | Grid Computing for the Masses: An Overview | New to Grid computing | The Physiology of the Grid

Computing Basics
 Web Services

Grid Computing Education Sites
 Central-European EGEE Training Centre | EGEE NA3 | GILDA | ICEAGE

ETF Exemplars

Article

Audio

Book

Code

Course

Exercise

Series

Module

Presentation

Tutorial

Video

Website

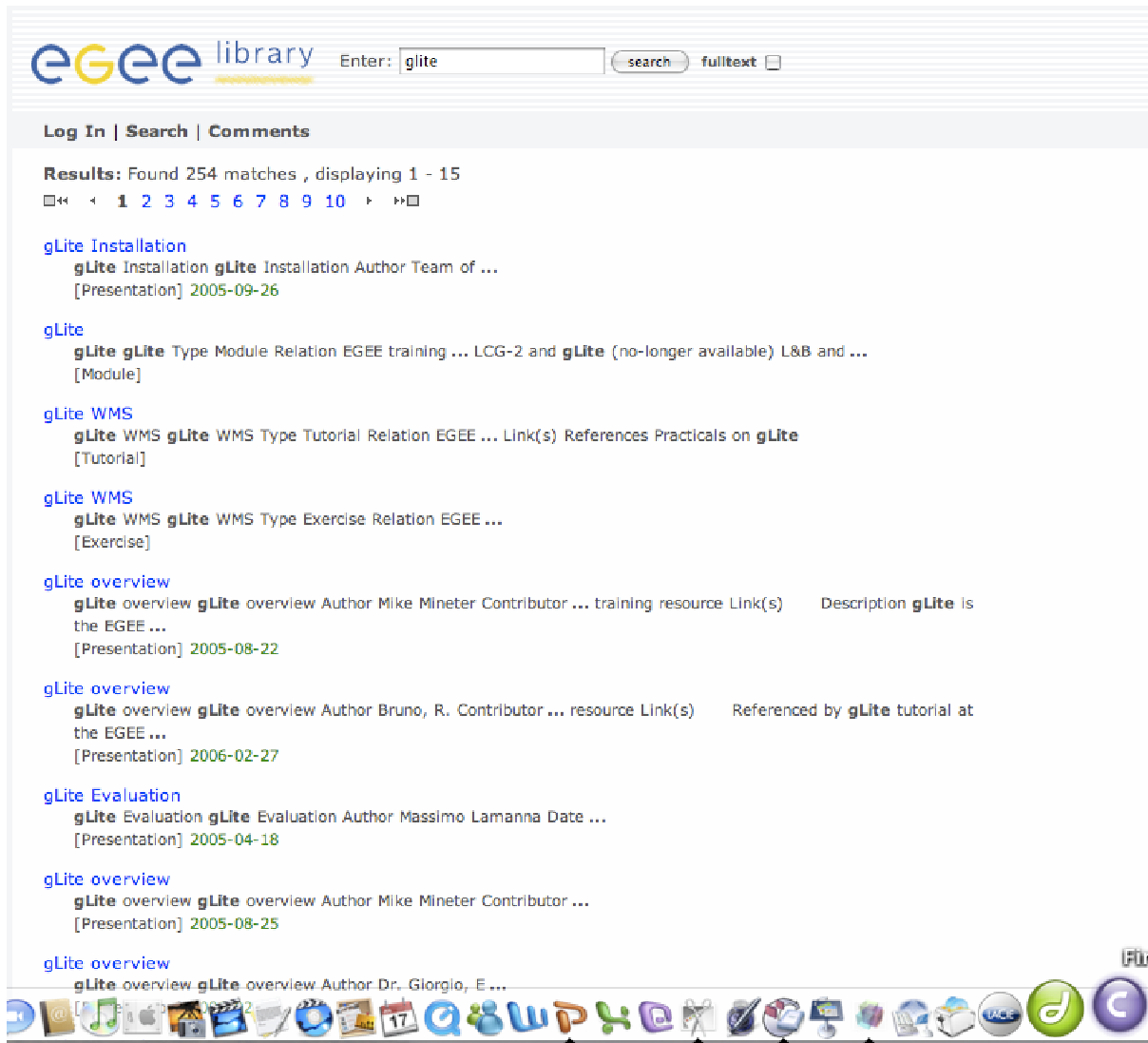
RSS


PODCAST

WS

SEARCH

A beta site of the EGEE project e-Learning pilot - supported by the JISC metadata+ project.



 library

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Results: Found 254 matches , displaying 1 - 15
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[gLite Installation](#)
gLite Installation **gLite** Installation Author Team of ...
 [Presentation] 2005-09-26

[gLite](#)
gLite **gLite** Type Module Relation EGEE training ... LCG-2 and **gLite** (no-longer available) L&B and ...
 [Module]

[gLite WMS](#)
gLite WMS **gLite** WMS Type Tutorial Relation EGEE ... Link(s) References Practicals on **gLite**
 [Tutorial]

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 [Exercise]

[gLite overview](#)
gLite overview **gLite** overview Author Mike Mineter Contributor ... training resource Link(s) Description **gLite** is
 the EGEE ...
 [Presentation] 2005-08-22

[gLite overview](#)
gLite overview **gLite** overview Author Bruno, R. Contributor ... resource Link(s) Referenced by **gLite** tutorial at
 the EGEE ...
 [Presentation] 2006-02-27

[gLite Evaluation](#)
gLite Evaluation **gLite** Evaluation Author Massimo Lamanna Date ...
 [Presentation] 2005-04-18

[gLite overview](#)
gLite overview **gLite** overview Author Mike Mineter Contributor ...
 [Presentation] 2005-08-25

[gLite overview](#)
gLite overview **gLite** overview Author Dr. Giorgio, E ...

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

Title

Type ← Select a type best fit the resource.

Project EGEE ICEAGE

A resource stub is a piece of object that *doesn't exist* in the library. It is incomplete and requires elaborations. 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.
You are CN=david.fergusson, L=NeSC, OU=Edinburgh, O=eScience, C=UK