



Enabling Grids for E-science

# The GILDA t-Infrastructure

*Roberto Barbera*

*Univ. of Catania and INFN*

*“Training the trainers” tutorial, CERN, 24.09.2006*

[www.eu-egee.org](http://www.eu-egee.org)



- **What and why ?**
- **GILDA services**
  - Testbed
  - CA
  - VOMS
  - Booking system
  - gLite services
  - Training material
  - Issues
- **Summary and conclusions**

- **Why t-infrastructure?**
  - e-Infrastructure for production
  - t-Infrastructure for training
- **Need guaranteed response for tutorials; limit the vulnerability of production systems**
  - use training grid
  - have training CA
  - able to change middleware to prepare participants for future releases on production system
- **Also:**
  - need safe resources for installation training
  - easy entry point for new communities



**GILDA ( G rid I nfn L aboratory for D issemination A ctivities )**

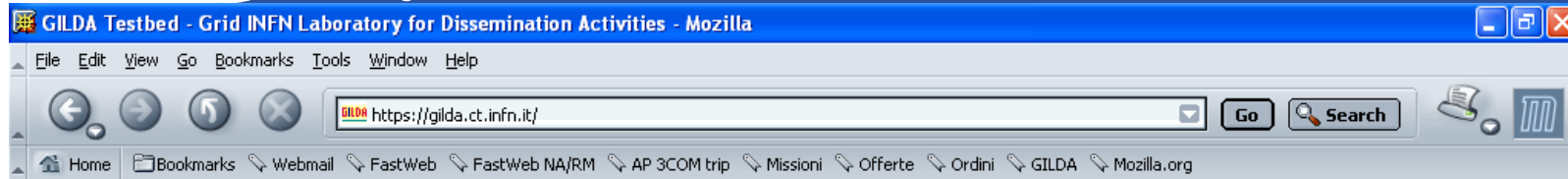
is a virtual laboratory to demonstrate/disseminate the strong capabilities of grid computing.

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 the [INFN Grid](#) middle-ware (fully compatible with [gLite](#)) is 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; the GILDA Virtual Organization is based on 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](mailto:gilda@infn.it) also archived on the web [here](#)

- [Grid tutorials](#)
- [GILDA Posters](#)
- [Video tutorials](#)
- [User Interface PnP](#)
- [Virtual Services](#) 
- [Instructions for users](#)
- [Instructions for sites](#) 
- [GILDA Wiki](#) 
- [Support system](#)
- [Useful links](#)
  
- [Sponsors](#)
- [Usage Statistics](#)
- [Old Usage Statistics](#)

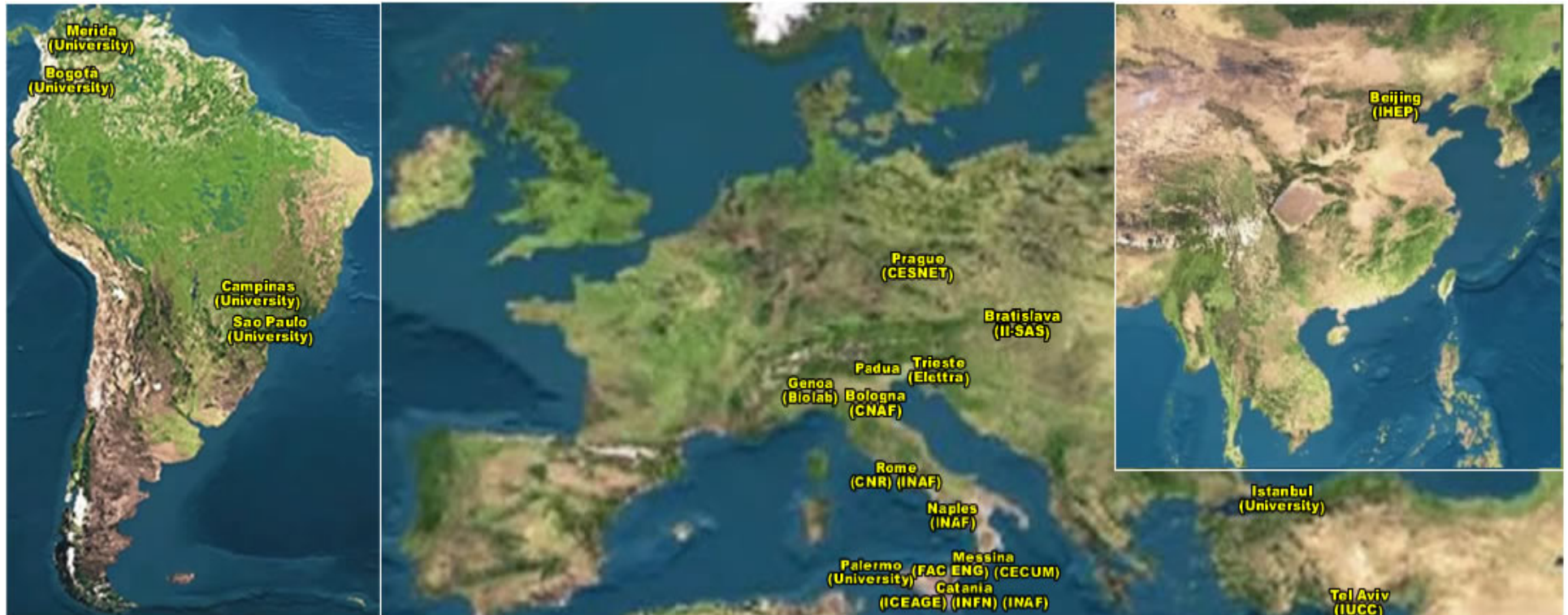
Enabling Grids for E-science



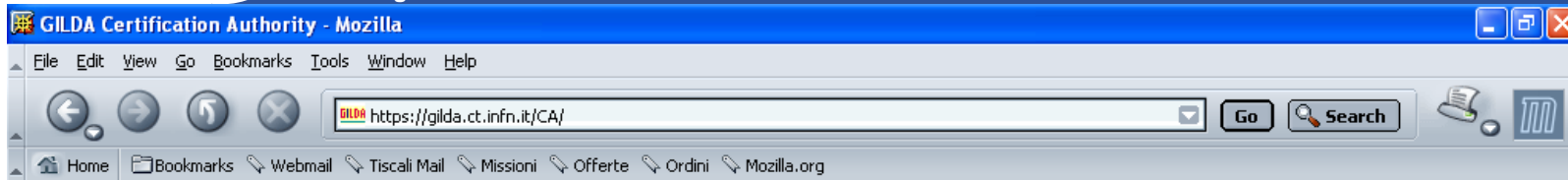
GILDA is an activity of the Italian [Istituto Nazionale di Fisica Nucleare \(INFN\)](http://www.infn.it) carried on in the context of the following Projects:

- Grid tutorials
- GILDA Posters
- Video tutorials
- User Interface PnP
- Virtual Services 
- Instructions for users
- Instructions for sites 
- GILDA Wiki 
- Support system
- Useful links
  
- Sponsors
- Usage Statistics
- Old Usage Statistics





20+ sites in 3 continents  
(not all on-line at the same time, though)



## The GILDA Certification Authority

- General information
- GILDA CA certificate
- Request a personal certificate
- Request an account
- Request a host certificate
- Renew a certificate
- Check a personal certificate
- Certificate Revocation List

The **GILDA Certification Authority** (GILDA CA) issues temporary (two weeks) personal public key certificates (compliant with the X.509 standard) in order to access the GILDA Testbed.

**Absolutely no identity check** is going to be performed on the request. The CA have absolutely no value on any real production Grid Infrastructure.

The **GILDA Certification Authority** is managed by:

Giuseppe Platania  
INFN Catania  
Via S. Sofia, 64  
I-95123 Catania  
ITALY

e-mail: [gilda-ca@ct.infn.it](mailto:gilda-ca@ct.infn.it)  
Tel: +39 095 378 5469  
Fax: +39 095 378 5231

In order to inspect the GILDA CA certificate and/or save it in your browser (to use it as a personal certificate) click on **GILDA CA certificate** in the left part of this page.

In order to request a certificate, click on **Request a personal certificate**.

If you already have a trusted personal certificate, click on **Request an account**. Your personal certificate must be included in your browser's certificate store.

In order to request a host certificate, click on **Request a host certificate**.



### Statistics of certificates

|                              |             |
|------------------------------|-------------|
| <b>TOTAL CERTIFICATES</b>    | <b>5602</b> |
| <b>PERSONAL CERTIFICATES</b> |             |
| <b>TOTAL</b>                 | <b>4658</b> |
| <b>REQUESTED ONE TIME</b>    | <b>2767</b> |
| <b>REQUESTED MORE TIMES</b>  | <b>776</b>  |
| <b>HOST CERTIFICATES</b>     |             |
| <b>TOTAL</b>                 | <b>846</b>  |
| <b>REQUESTED ONE TIME</b>    | <b>753</b>  |
| <b>REQUESTED MORE TIMES</b>  | <b>45</b>   |



Enabling Grids for E-science

# The GILDA VOMS

(<https://voms.ct.infn.it:8443/voms/gilda/>)

Virtual Organization Membership Service - Mozilla

File Edit View Go Bookmarks Tools Window Help

https://cert-voms-01.cnaf.infn.it:8443/voms/gildav/

Home Bookmarks Webmail Missioni Offerte Ordini FastWeb Mozilla.org

**Virtual Organization Membership Service**

VOMS

**FOR VO USERS**

- My membership details
- New user registration
- My requests

**FOR VO MANAGERS**

- Administer the VO
- Handle requests
- Check audit data

**CONFIGURATION**

- Configuration information
- List all VOs on this server

VOMS Admin 1.0.5  
Release 1  
© 2004 CERN ELTE  
on behalf of the EU EGEE Project

**Welcome to VOMS!**

VOMS is the Virtual Organization Membership Service.

This is the VOMS administration interface.

Please select an item from the services list.

VOMS - Virtual Organization Membership Service - Mozilla

File Edit View Go Bookmarks Tools Window Help

https://voms.ct.infn.it:8443/voms/gilda/webui/admin/users/list

Home Bookmarks Webmail FastWeb FastWeb NA/RM AP 3COM trip Missioni Offerte

**Virtual Organization Membership Service**

The gilda VO

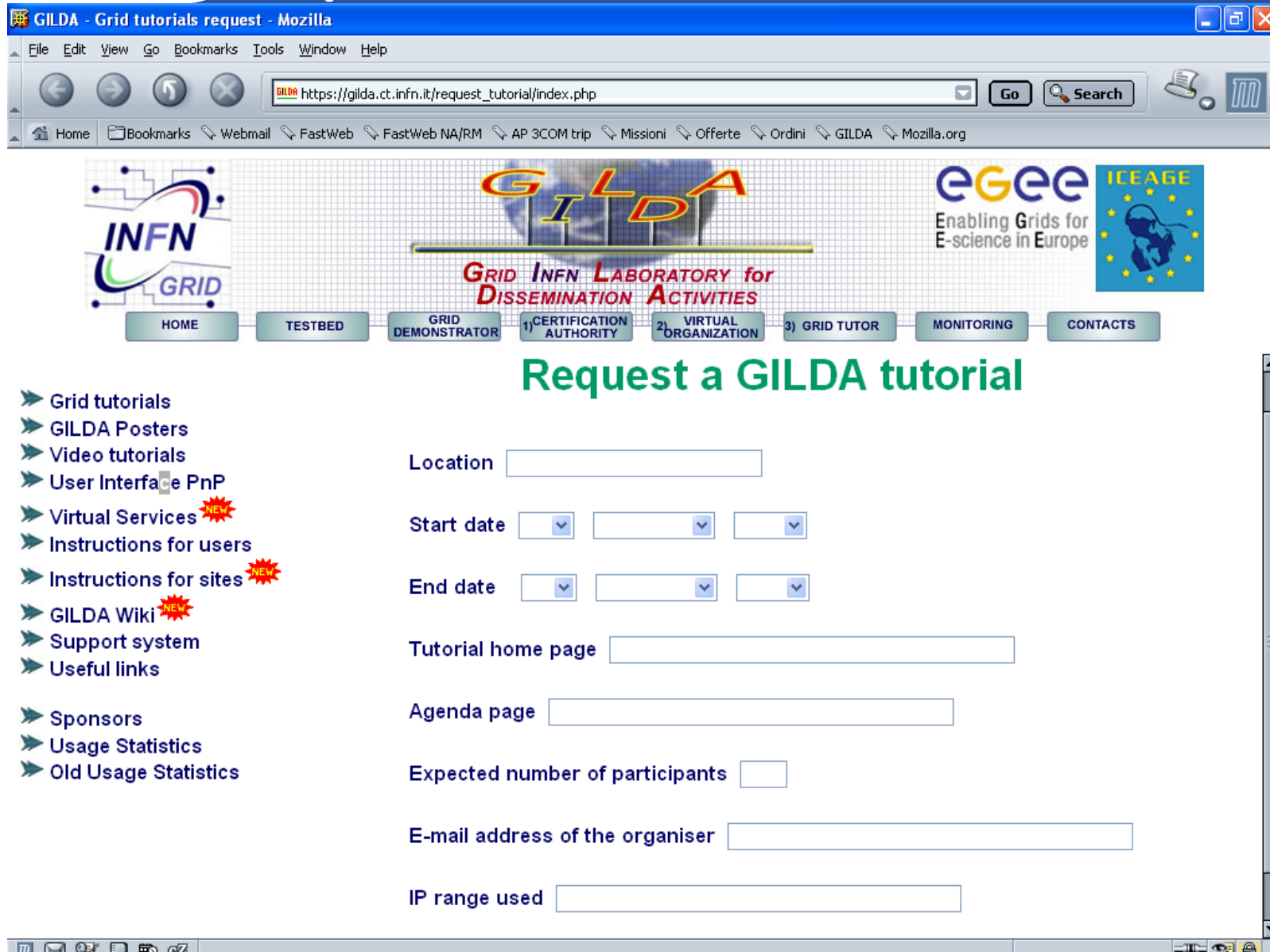
Administration » Users » List of users

There are 453 users in /gilda :

|  |      |        |
|--|------|--------|
| /C=IT/O=GILDA/OU=Personal Certificate/L=INFN Catania/CN=Emidio Giorgio/Email=emidio.giorgio@ct.infn.it         | edit | remove |
| /C=IT/O=GILDA/OU=Personal Certificate/L=INFN Catania/CN=Giuseppe Platania/Email=giuseppe.platania@ct.infn.it   | edit | remove |
| /C=IT/O=GILDA/OU=Personal Certificate/L=INFN Catania/CN=Roberto Barbera/Email=roberto.barbera@ct.infn.it       | edit | remove |
| /C=IT/O=GILDA/OU=Personal Certificate/L=INFN Catania/CN=Salvatore Monforte/Email=salvatore.monforte@ct.infn.it | edit | remove |
| /C=IT/O=GILDA/OU=Personal Certificate/L=INFN Catania/CN=Harald Kormmayer                                       | edit | remove |
| /C=IT/O=GILDA/OU=Personal Certificate/L=INFN Catania/CN=Valerio Venturi/Email=valerio.venturi@cnaf.infn.it     | edit | remove |
| /C=IT/O=GILDA/OU=Personal Certificate/L=INFN Catania/CN=Peter Praxmarer  | edit | remove |
| /C=CH/O=CERN/OU=GRID/CN=Marc Ozonne 2721   | edit | remove |
| /C=IT/O=INFN/OU=Personal Certificate/L=Catania/CN=Giovanna Gurrieri  | edit | remove |
| /C=IT/O=INFN/OU=Personal Certificate/L=Padova/CN=Cristina Aiftimiei  | edit | remove |
| /C=IT/O=GILDA/OU=Personal Certificate/L=INFN Catania/CN=Gilda Demonstrator 01/Email=gilda-ca@ct.infn.it        | edit | remove |
| /C=IT/O=GILDA/OU=Personal Certificate/L=INFN Catania/CN=Gilda Demonstrator 02/Email=gilda-ca@ct.infn.it        | edit | remove |
| /C=IT/O=GILDA/OU=Personal Certificate/L=INFN Catania/CN=Gilda Demonstrator 03/Email=gilda-ca@ct.infn.it        | edit | remove |
| /C=IT/O=GILDA/OU=Personal Certificate/L=INFN Catania/CN=Gilda Demonstrator 04/Email=gilda-ca@ct.infn.it        | edit | remove |
| /C=IT/O=GILDA/OU=Personal Certificate/L=INFN Catania/CN=Gilda Demonstrator 05/Email=gilda-ca@ct.infn.it        | edit | remove |
| /C=IT/O=GILDA/OU=Personal Certificate/L=INFN Catania/CN=Gilda Demonstrator 06/Email=gilda-ca@ct.infn.it        | edit | remove |

**More than 450 people registered in the GILDA VO!**





**Request a GILDA tutorial**

Location

Start date

End date

Tutorial home page

Agenda page

Expected number of participants

E-mail address of the organiser

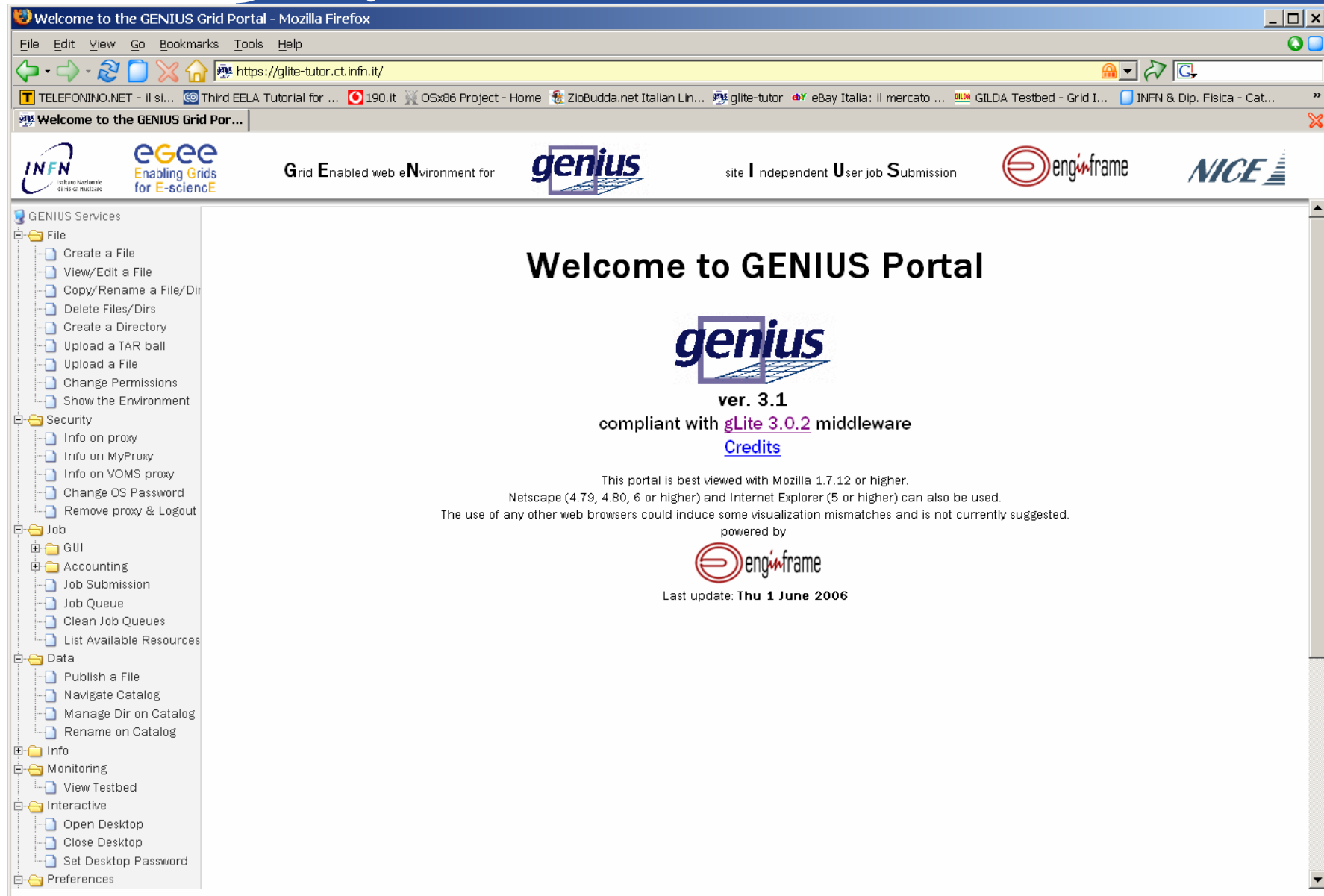
IP range used



**Grid services**

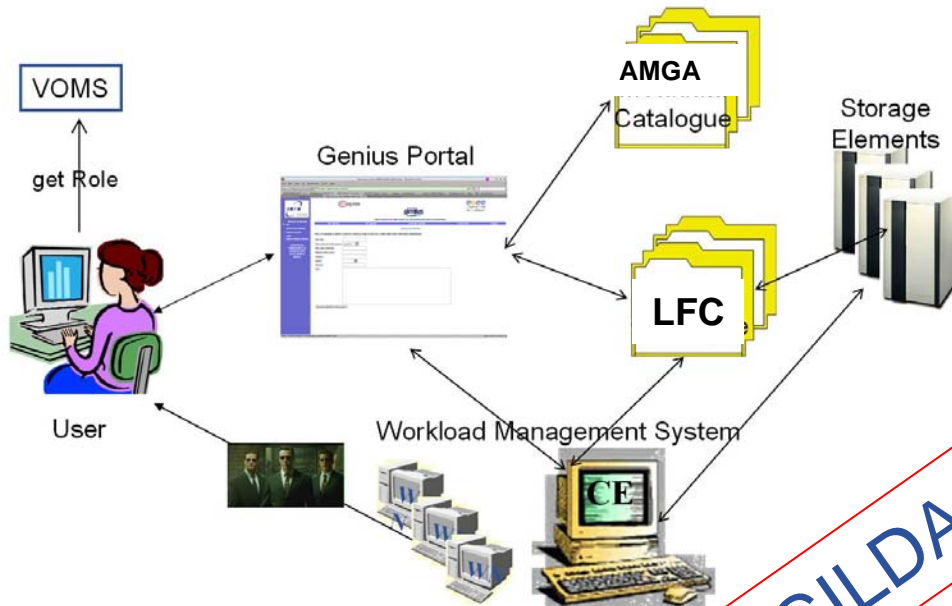
This is a table of the general Grid Services available on GILDA.

| SERVICE                         | HOST  |
|---------------------------------|---|
| Resource Broker (RB)            | <a href="https://glite-rb.ct.infn.it">glite-rb.ct.infn.it</a>                         |
| Backup Resource Broker (RB)     | <a href="https://glite-rb2.ct.infn.it">glite-rb2.ct.infn.it</a>                       |
| WM proxy Resource Broker (RB)   | <a href="https://glite-rb3.ct.infn.it">glite-rb3.ct.infn.it</a>                       |
| Information Index (BDII)        | <a href="https://grid004.ct.infn.it">grid004.ct.infn.it</a>                           |
| Backup Information Index (BDII) | <a href="https://grid013.ct.infn.it">grid013.ct.infn.it</a>                           |
| VOMS server                     | <a href="https://voms.ct.infn.it:8443/voms/gilda">voms.ct.infn.it:8443/voms/gilda</a> |
| DGAS Price Authority            | <a href="https://grid-demo1.ct.infn.it:56568">grid-demo1.ct.infn.it:56568</a>         |
| DGAS HLR                        | <a href="https://grid-demo1.ct.infn.it:56567">grid-demo1.ct.infn.it:56567</a>         |
| GridICE Monitoring System       | <a href="https://alifarm7.ct.infn.it:50080">alifarm7.ct.infn.it:50080</a>             |
| LCG File Catalog (LFC)          | <a href="https://lfc-gilda.ct.infn.it">lfc-gilda.ct.infn.it</a>                       |
| gLite File Transfer Service     | <a href="https://fts.ct.infn.it">fts.ct.infn.it</a>                                   |
| AMGA Metadata Catalog           | <a href="https://amga.ct.infn.it:8822">amga.ct.infn.it:8822</a>                       |
| R-GMA server                    | <a href="https://rgmasrv.ct.infn.it:8443">rgmasrv.ct.infn.it:8443</a>                 |
| MyProxy Server                  | <a href="https://grid001.ct.infn.it">grid001.ct.infn.it</a>                           |
| Backup MyProxy Server           | <a href="https://grid014.ct.infn.it">grid014.ct.infn.it</a>                           |



The screenshot shows a Mozilla Firefox browser window displaying the GENIUS Grid Portal. The browser's address bar shows the URL <https://glite-tutor.ct.infn.it/>. The page header includes logos for INFN, EGEE (Enabling Grids for E-science), genius, and NICE. The main content area features a navigation menu on the left and a central welcome message. The message states: "Welcome to GENIUS Portal", "genius ver. 3.1", "compliant with gLite 3.0.2 middleware", and "powered by enginframe". It also provides browser compatibility information and a last update date of "Thu 1 June 2006".

**Demonstrative Applications**



**Grid for Entertainment !**

**Soon on GILDA Forge!**

The screenshot shows the GENIUS INFN GRID Portal interface. The main content area displays information for a selected trailer: **Shrek 2**. The interface includes a navigation bar with 'VO: gildav', 'Catalog: GILDA', 'Your Data', and 'Logout'. Below the navigation bar, a message states: "You have selected the trailer /trailers/Shrek2.mpg. These are the attributes of the trailer you have chosen." The main content area contains a table with the following data:

| Shrek 2      |  |          |               |
|--------------|--|----------|---------------|
| Run Time     | 92   | Country  | USA           |
| Genre        | Action   | Director | William Steig |
| Cast         | Mike Myers ... Shrek (voice) Eddie Murphy ... Donkey (voice) Cameron Diaz ... F... (voice) John Cleese ... King (voice) Rupert Everett ... Prince Charming (voice) J... Page/Eli/Nobleman/Nobleman's Son (voice) Cody Cameron ... Pinocchio/Three (voice) Christopher Knights ... Blind Mouse (voice) David P. Smith ... Herald/Mar... |          |               |
| Plot Outline | The film picks up right where the first movie ended... Shrek and Fiona return from... The only problem is that they have no idea that their daughter is now an ogre.   |          |               |

Below the table, there is a section for file details:

```

LFN: /trailers/Shrek2.mpg
Created: 2005-10-13 17:23:58.000
Modified: 2005-10-13 17:23:58.000
Size: 6100996
Type: File
Expires: Never
GUID: 000f0e2e-7c0d-134e-a731-c1e0d08dbeeF
Created: 2005-10-13 17:24:03.000
Modified: 2005-10-13 17:24:03.000
Size: 6100996
Checksum: 00000000
Status: 0
User: /C=IT/O=GILDA/OU=Personal Certificate/L=INAF
Group: egee-group
User rights: pdrul-gs
Group rights: pdrul-gs
    
```

A VLC media player window is overlaid on the bottom right, showing a video player interface with a play button and a video frame showing two characters from the movie Shrek 2.



**GILDA**  
GILDA User Interfaces Plug & Play

## GILDA USER INTERFACE PLUG & PLAY (GLITE 3.0)

The *GILDA User Interface Plug & Play* tarball contains all the necessary software to seamlessly turn your Linux PC into a machine from you can access and use the [GILDA](#) dissemination grid realized in the context of both the [Italian INFN Grid Project](#) and the [European EGEE Project](#). The installation procedure installs the User Interface in the user directory so no root privilege is required. This User Interface is based both on [gLite 3.0](#).

**SYSTEM REQUIREMENTS**

- Grid tutorials
- GILDA Posters
- Video tutorials
- User Interface PnP
- Virtual Services NEW
- Instructions for users
- Instructions for sites NEW
- GILDA Wiki NEW
- Support system
- Useful links
- Sponsors
- Usage Statistics
- Old Usage Statistics

**GILDA User Interface Plug & Play**

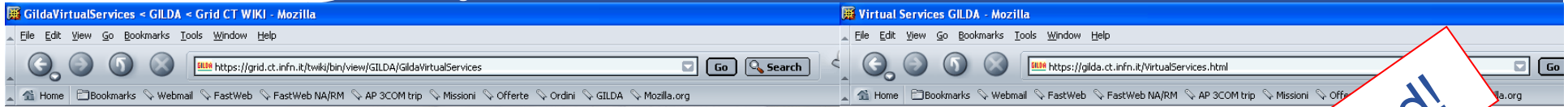
- Introduction
- Use
- Download
- Useful links & info
- Contacts & acknowledgments



# The GILDA Virtual Services

(<https://gilda.ct.infn.it/VirtualServices.html>)

Enabling Grids for E-science



**GRID CT**

**GILDA**

You are here: [Grid CT WIKI](#) > [GILDA Web](#)  
> [GILDA Elements Installation](#) > [GildaVirtualServices](#)

**GILDA Virtual Services**

The GILDA Virtual Services is a group of virtual machines (VMs) installed in every VMWare Workstation 5 x in every VM has been installed a Grid Element.

Requirements :

You must download the GILDA Virtual Services VM Player from the following link:

VM Player: [Download/Upload](#)

Available :

- GILDA VM Base (Readme) ([Readme](#))
- GILDA VM UI gLite 3.0 (Readme) ([Readme](#))
- GILDA VM BDII gLite 3.0 (Readme) ([Readme](#))
- GILDA VM DPM gLite 3.0 (Readme) ([Readme](#))
- GILDA VM CE gLite 3.0 (Readme) ([Readme](#))

**Virtual Services GILDA - Mozilla**

[HOME](#) [TESTBED](#) [GRID DEMONSTRATION](#) [VIRTUAL SERVICES](#) [GRID TUTOR](#) [MONITORING](#)

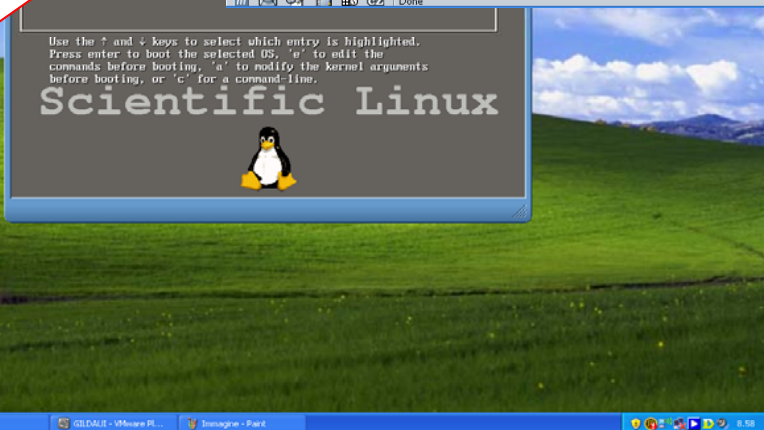
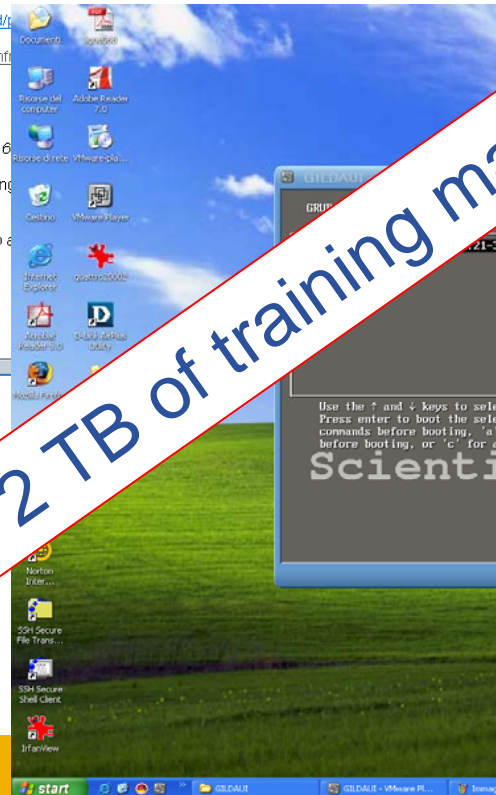
**Virtual Services**

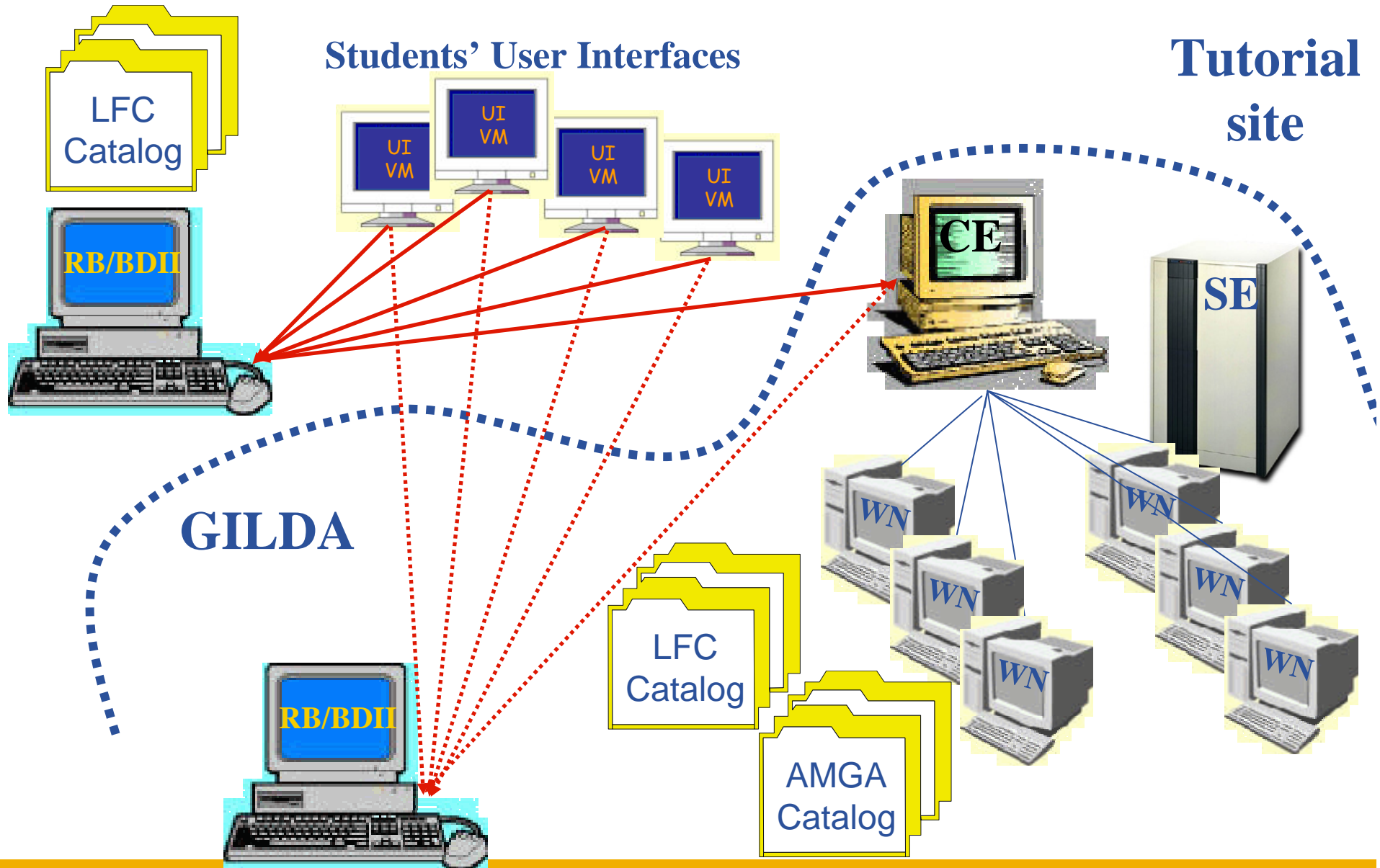
- Grid tutorials
- GILDA Posters
- Video tutorials
- User Interface PnP
- Virtual Services
- Instructions
- Installation

- GILDA VM Base (Readme)
- GILDA VM UI gLite 3.0 (Readme)
- GILDA VM BDII gLite 3.0 (Readme)
- GILDA VM DPM gLite 3.0 (Readme)
- GILDA VM CE gLite 3.0 (Readme)
- GILDA VM FTS gLite 3.0 (Readme)
- GILDA VM LFC\_MySQL gLite 3.0 (Readme)
- GILDA VM MyProxy gLite 3.0 (Readme)
- GILDA RGMA gLite 3.0 (Readme)
- GILDA VOMS gLite 3.0 (Readme)
- GILDA VM WMS+LB gLite 3.0 (Readme)
- GILDA VM WN gLite 3.0 (Readme):
  - gilda-WN-30.001
  - gilda-WN-30.002

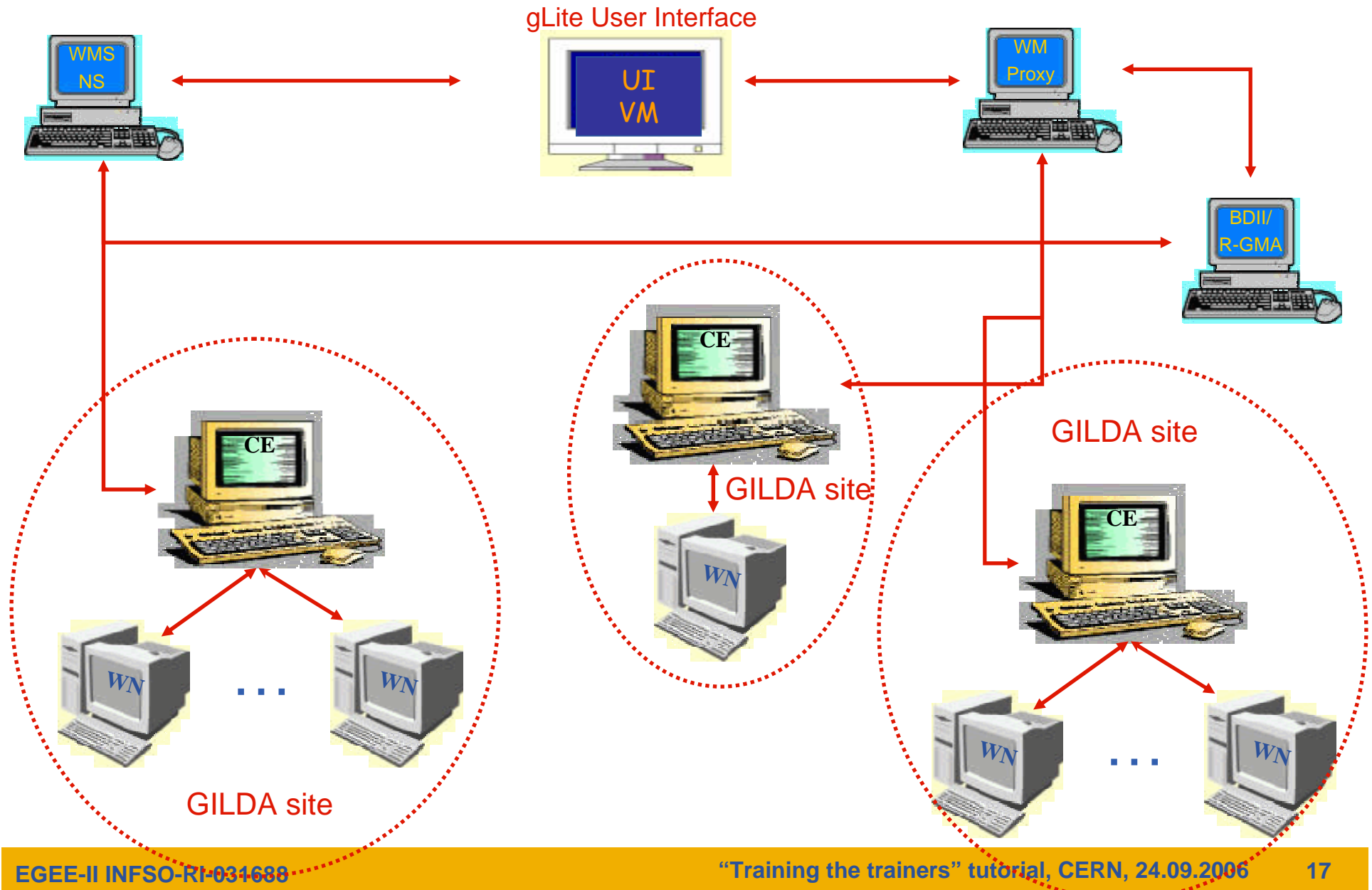
Wiki pages also available

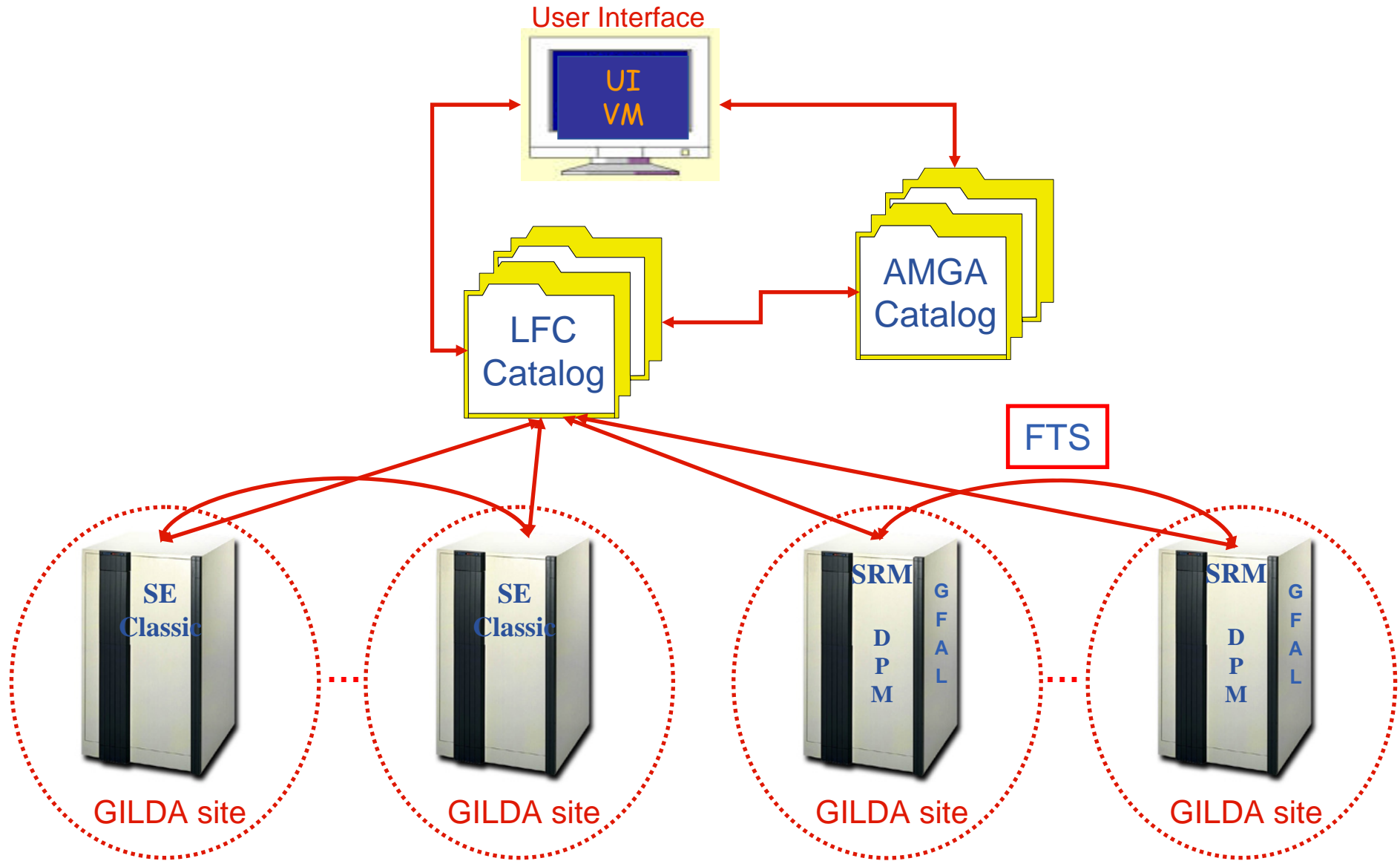
More than 2 TB of training material already downloaded!

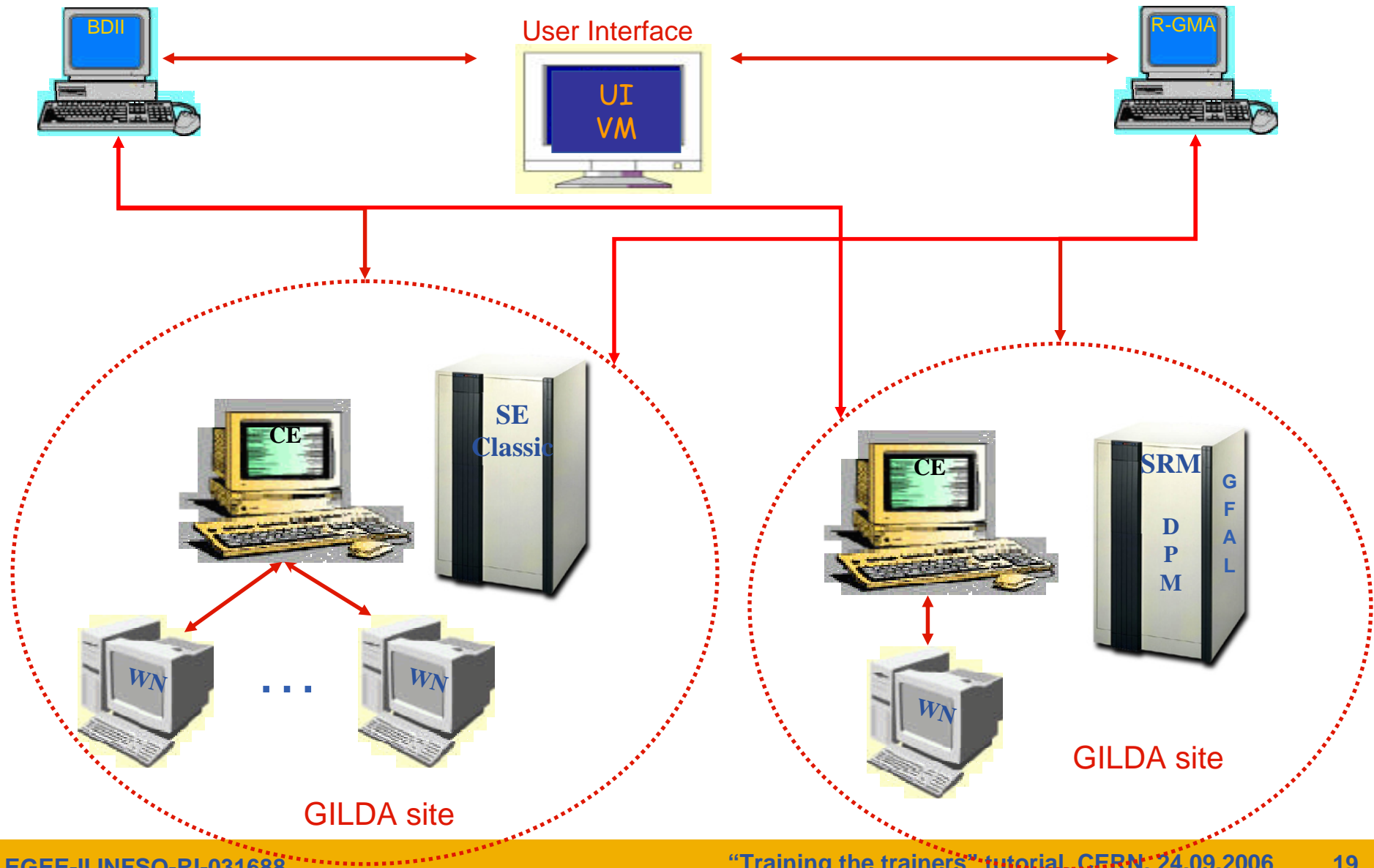


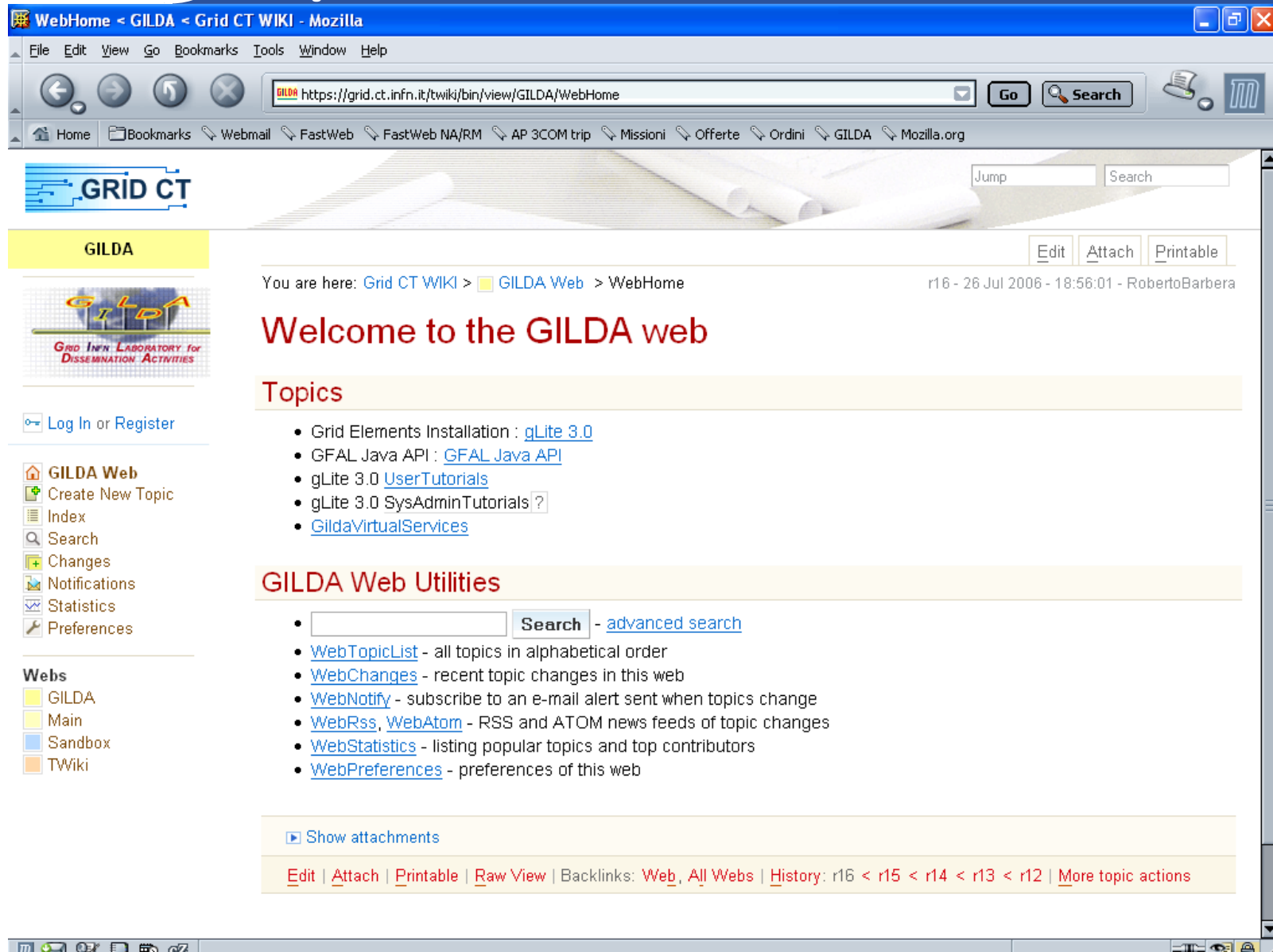












WebHome < GILDA < Grid CT WIKI - Mozilla

File Edit View Go Bookmarks Tools Window Help

https://grid.ct.infn.it/twiki/bin/view/GILDA/WebHome

Home Bookmarks Webmail FastWeb FastWeb NA/RM AP 3COM trip Missioni Offerte Ordini GILDA Mozilla.org

GRID CT

GILDA

Log In or Register

GILDA Web

- Create New Topic
- Index
- Search
- Changes
- Notifications
- Statistics
- Preferences

Webs

- GILDA
- Main
- Sandbox
- TWiki

You are here: [Grid CT WIKI](#) > [GILDA Web](#) > WebHome

r16 - 26 Jul 2006 - 18:56:01 - RobertoBarbera

## Welcome to the GILDA web

### Topics

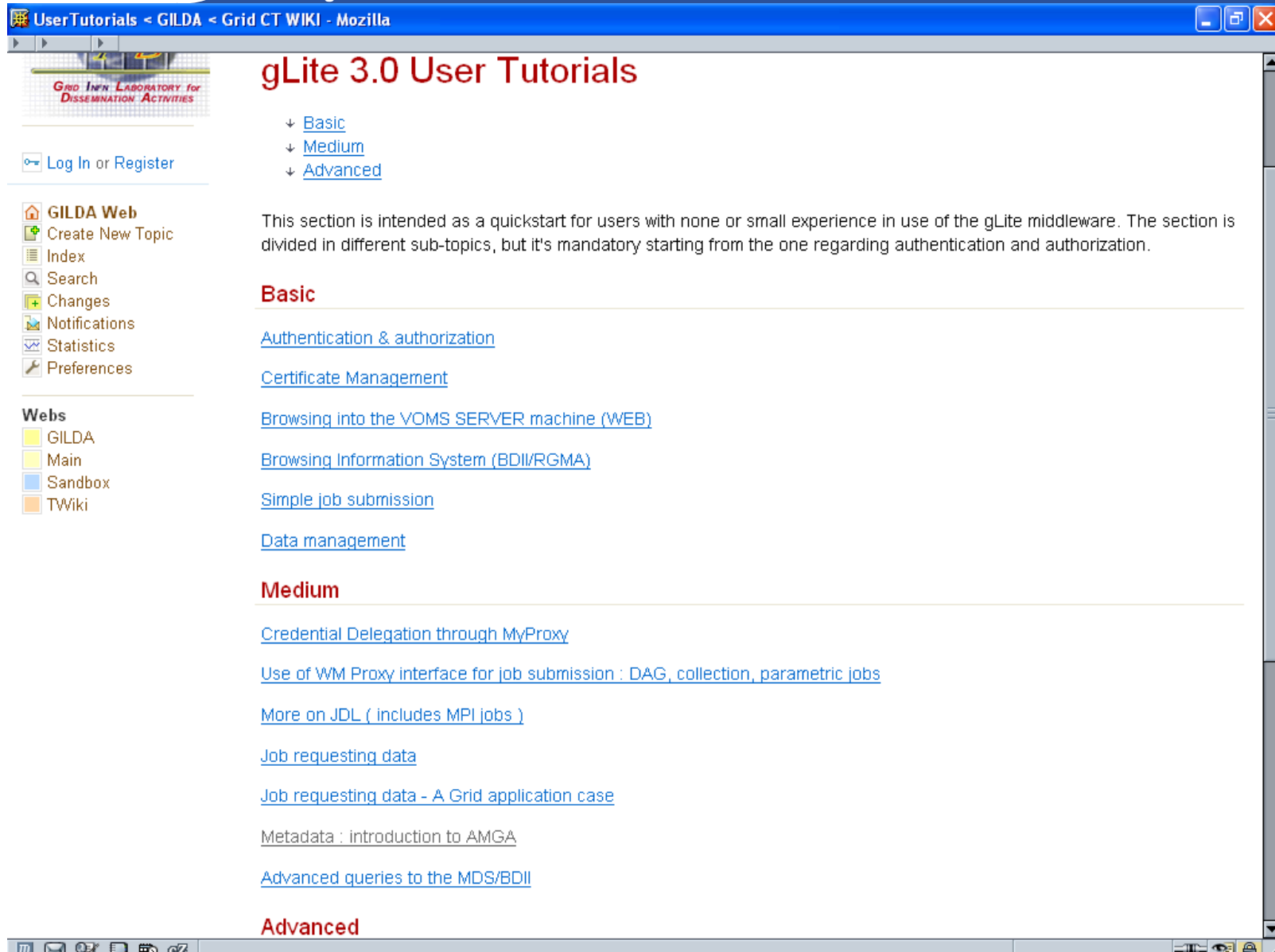
- Grid Elements Installation : [gLite 3.0](#)
- GFAL Java API : [GFAL Java API](#)
- gLite 3.0 [UserTutorials](#)
- gLite 3.0 [SysAdminTutorials?](#)
- [GildaVirtualServices](#)

### GILDA Web Utilities

- [advanced search](#)
- [WebTopicList](#) - all topics in alphabetical order
- [WebChanges](#) - recent topic changes in this web
- [WebNotify](#) - subscribe to an e-mail alert sent when topics change
- [WebRss, WebAtom](#) - RSS and ATOM news feeds of topic changes
- [WebStatistics](#) - listing popular topics and top contributors
- [WebPreferences](#) - preferences of this web

[Show attachments](#)

[Edit](#) | [Attach](#) | [Printable](#) | [Raw View](#) | Backlinks: [Web](#), [All Webs](#) | History: [r16](#) < [r15](#) < [r14](#) < [r13](#) < [r12](#) | [More topic actions](#)



UserTutorials < GILDA < Grid CT WIKI - Mozilla

**gLite 3.0 User Tutorials**

- ↓ [Basic](#)
- ↓ [Medium](#)
- ↓ [Advanced](#)

This section is intended as a quickstart for users with none or small experience in use of the gLite middleware. The section is divided in different sub-topics, but it's mandatory starting from the one regarding authentication and authorization.

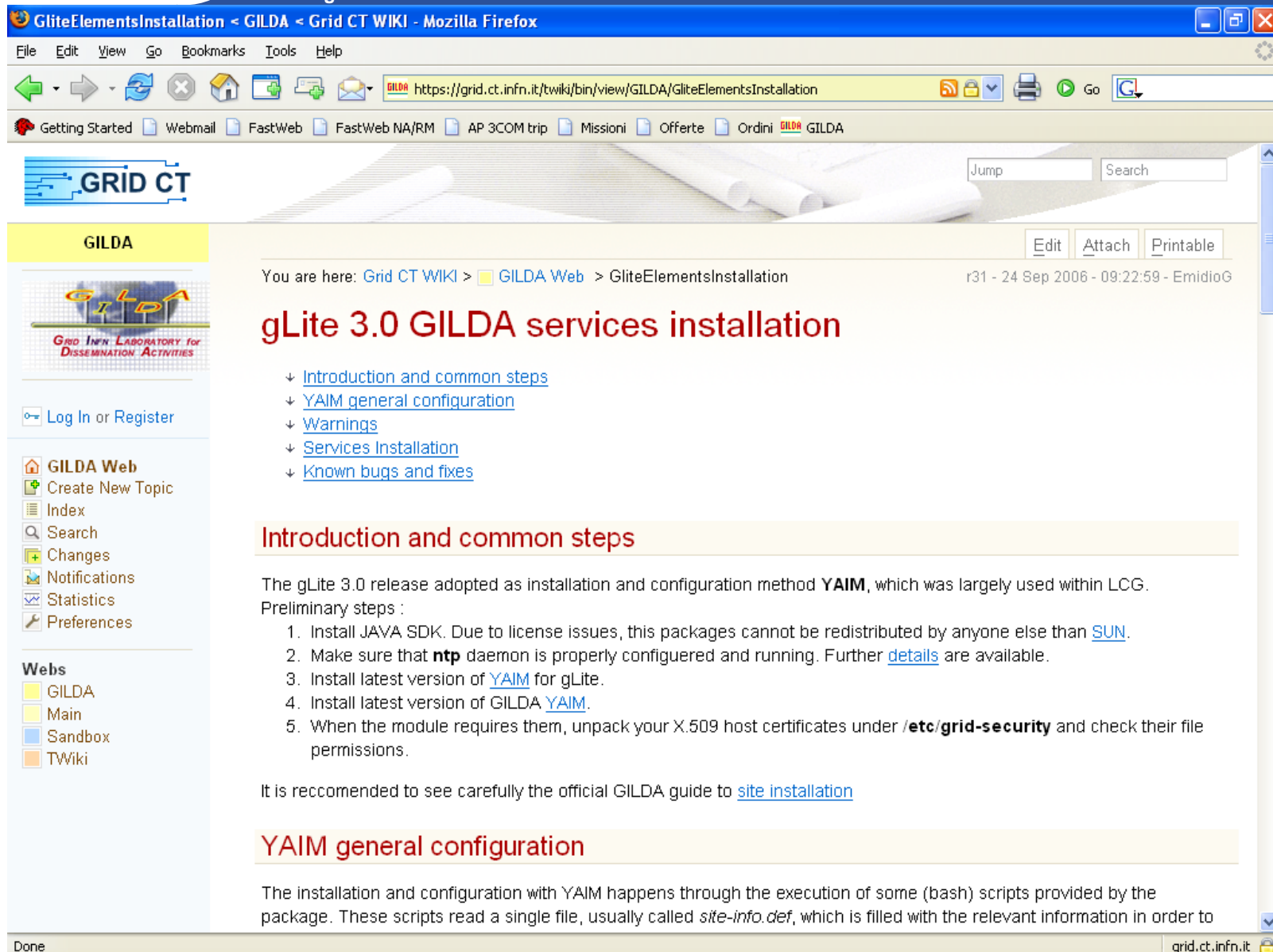
**Basic**

- [Authentication & authorization](#)
- [Certificate Management](#)
- [Browsing into the VOMS SERVER machine \(WEB\)](#)
- [Browsing Information System \(BDII/RGMA\)](#)
- [Simple job submission](#)
- [Data management](#)

**Medium**

- [Credential Delegation through MyProxy](#)
- [Use of WM Proxy interface for job submission : DAG, collection, parametric jobs](#)
- [More on JDL \( includes MPI jobs \)](#)
- [Job requesting data](#)
- [Job requesting data - A Grid application case](#)
- [Metadata : introduction to AMGA](#)
- [Advanced queries to the MDS/BDII](#)

**Advanced**



GliteElementsInstallation < GILDA < Grid CT WIKI - Mozilla Firefox

File Edit View Go Bookmarks Tools Help

https://grid.ct.infn.it/twiki/bin/view/GILDA/GliteElementsInstallation

Getting Started Webmail FastWeb FastWeb NA/RM AP 3COM trip Missioni Offerte Ordini GILDA

GRID CT

GILDA

You are here: [Grid CT WIKI](#) > [GILDA Web](#) > GliteElementsInstallation

r31 - 24 Sep 2006 - 09:22:59 - EmidioG

## gLite 3.0 GILDA services installation

- ↓ [Introduction and common steps](#)
- ↓ [YAIM general configuration](#)
- ↓ [Warnings](#)
- ↓ [Services Installation](#)
- ↓ [Known bugs and fixes](#)

### Introduction and common steps

The gLite 3.0 release adopted as installation and configuration method **YAIM**, which was largely used within LCG.

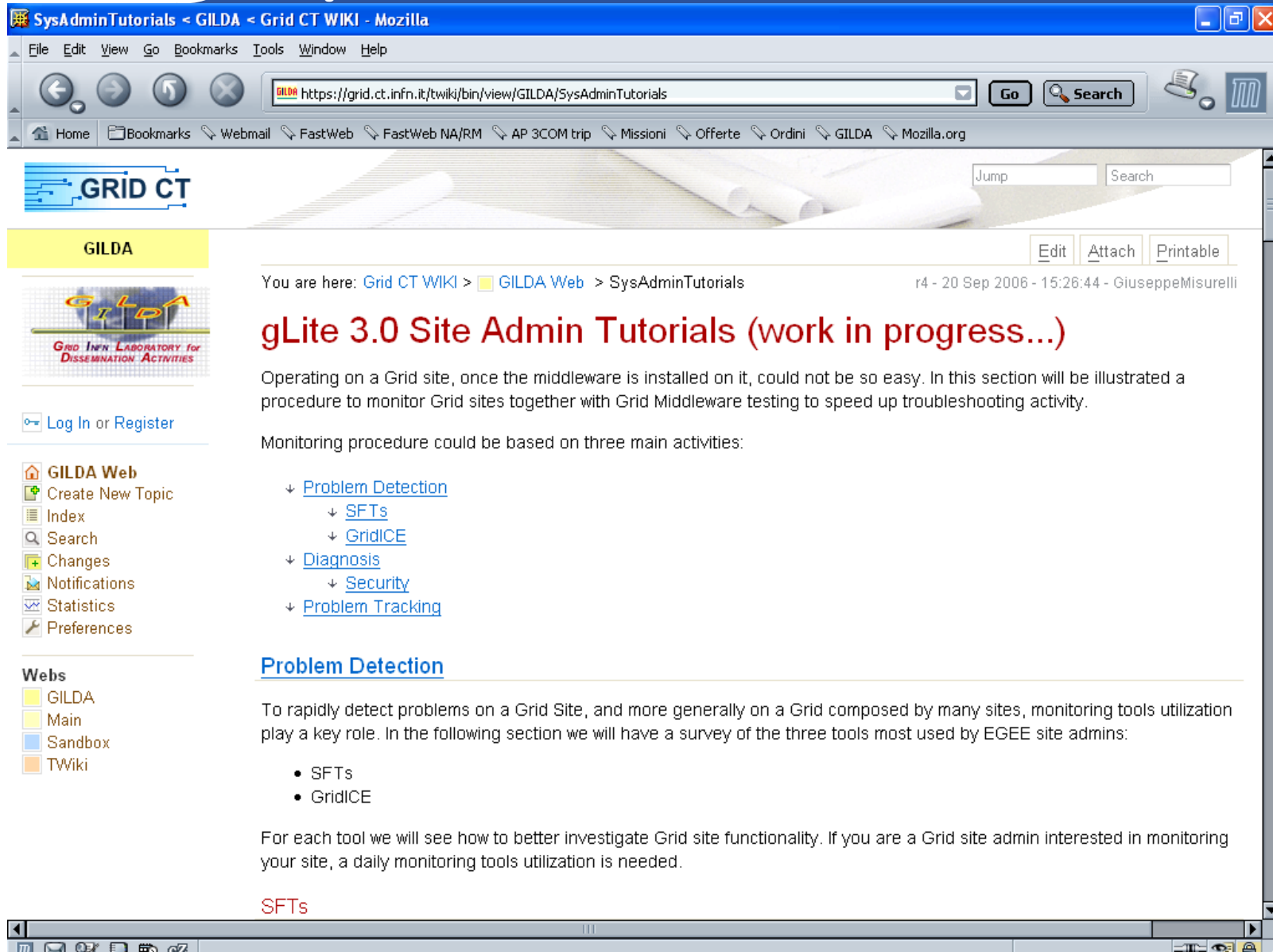
Preliminary steps :

1. Install JAVA SDK. Due to license issues, this packages cannot be redistributed by anyone else than [SUN](#).
2. Make sure that **ntp** daemon is properly configured and running. Further [details](#) are available.
3. Install latest version of [YAIM](#) for gLite.
4. Install latest version of GILDA [YAIM](#).
5. When the module requires them, unpack your X.509 host certificates under **/etc/grid-security** and check their file permissions.

It is recommended to see carefully the official GILDA guide to [site installation](#)

### YAIM general configuration

The installation and configuration with YAIM happens through the execution of some (bash) scripts provided by the package. These scripts read a single file, usually called *site-info.def*, which is filled with the relevant information in order to



**SysAdminTutorials < GILDA < Grid CT WIKI - Mozilla**

File Edit View Go Bookmarks Tools Window Help

Jump Search

**GRID CT**

**GILDA** Edit Attach Printable

You are here: [Grid CT WIKI](#) > [GILDA Web](#) > SysAdminTutorials r4 - 20 Sep 2006 - 15:26:44 - GiuseppeMisurelli

## gLite 3.0 Site Admin Tutorials (work in progress...)

Operating on a Grid site, once the middleware is installed on it, could not be so easy. In this section will be illustrated a procedure to monitor Grid sites together with Grid Middleware testing to speed up troubleshooting activity.

Monitoring procedure could be based on three main activities:

- ↓ [Problem Detection](#)
  - ↓ [SFTs](#)
  - ↓ [GridICE](#)
- ↓ [Diagnosis](#)
  - ↓ [Security](#)
- ↓ [Problem Tracking](#)

### [Problem Detection](#)

To rapidly detect problems on a Grid Site, and more generally on a Grid composed by many sites, monitoring tools utilization play a key role. In the following section we will have a survey of the three tools most used by EGEE site admins:

- SFTs
- GridICE

For each tool we will see how to better investigate Grid site functionality. If you are a Grid site admin interested in monitoring your site, a daily monitoring tools utilization is needed.

SFTs



Enabling Grids for E-science

# Training Material Repositories of EGEE Related Projects

Training Material - Mozilla Firefox

http://documents.eu-eela.org/?c=Training+Material&as=0&In=en

Getting Started | Webmail | FastWeb | FastWeb NA/RM | AP 3COM trip | Missioni | Offerte | Ordini | GILDA

Search Submit Personalize Help

Home > Training Material

## Training Material

Search 22 records for:

any field Search Browse

Search Tips :: Advanced Search

Narrow by collection:

- Slides
  - Fifth EELA Tutorial for Users (9) Fourth EELA Tutorial for Users (10) First EELA Tutorial for Users and Site Managers (21) Second EELA Tutorial for Users (10)
- Exercises
  - Fifth EELA Tutorial (Users) (6) Fourth EELA Tutorial (Users) (2) First EELA Tutorial (Users) (2) Third EELA Tutorial (Users and Site Managers) (3) Second EELA Tutorial (Users) (2)
- Video Tutorials
- User Guides

<http://documents.eu-eela.org/?c=Training+Material&as=0&In=en>  
(per-event basis)

Training Material - Mozilla Firefox

http://documents.eumedgrid.org/?c=Training+materials&as=0&In=en

FastWeb NA/RM | AP 3COM trip | Missioni | Offerte | Ordini | GILDA

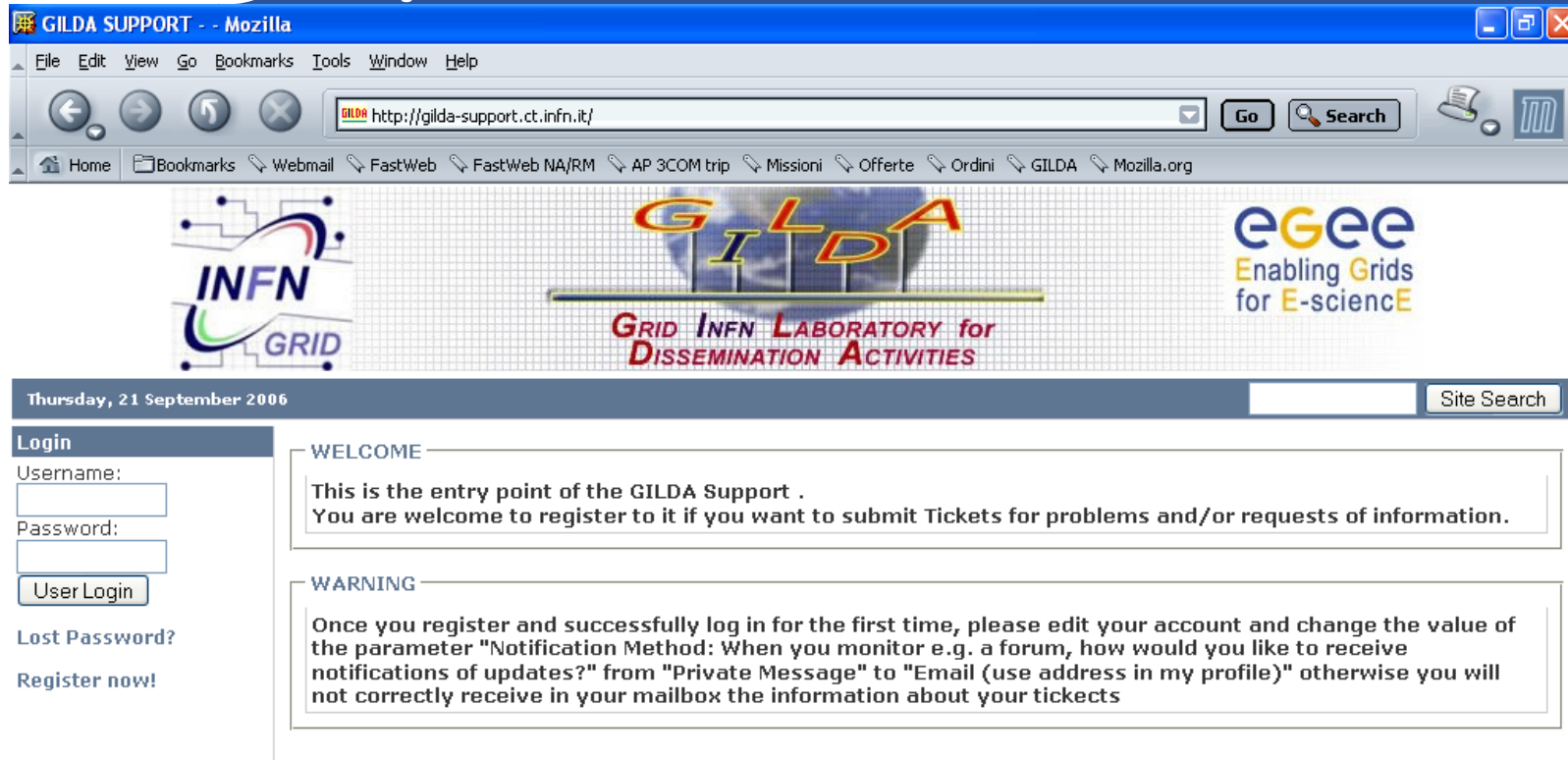
Search Submit Personalize Help

Narrow by collection:

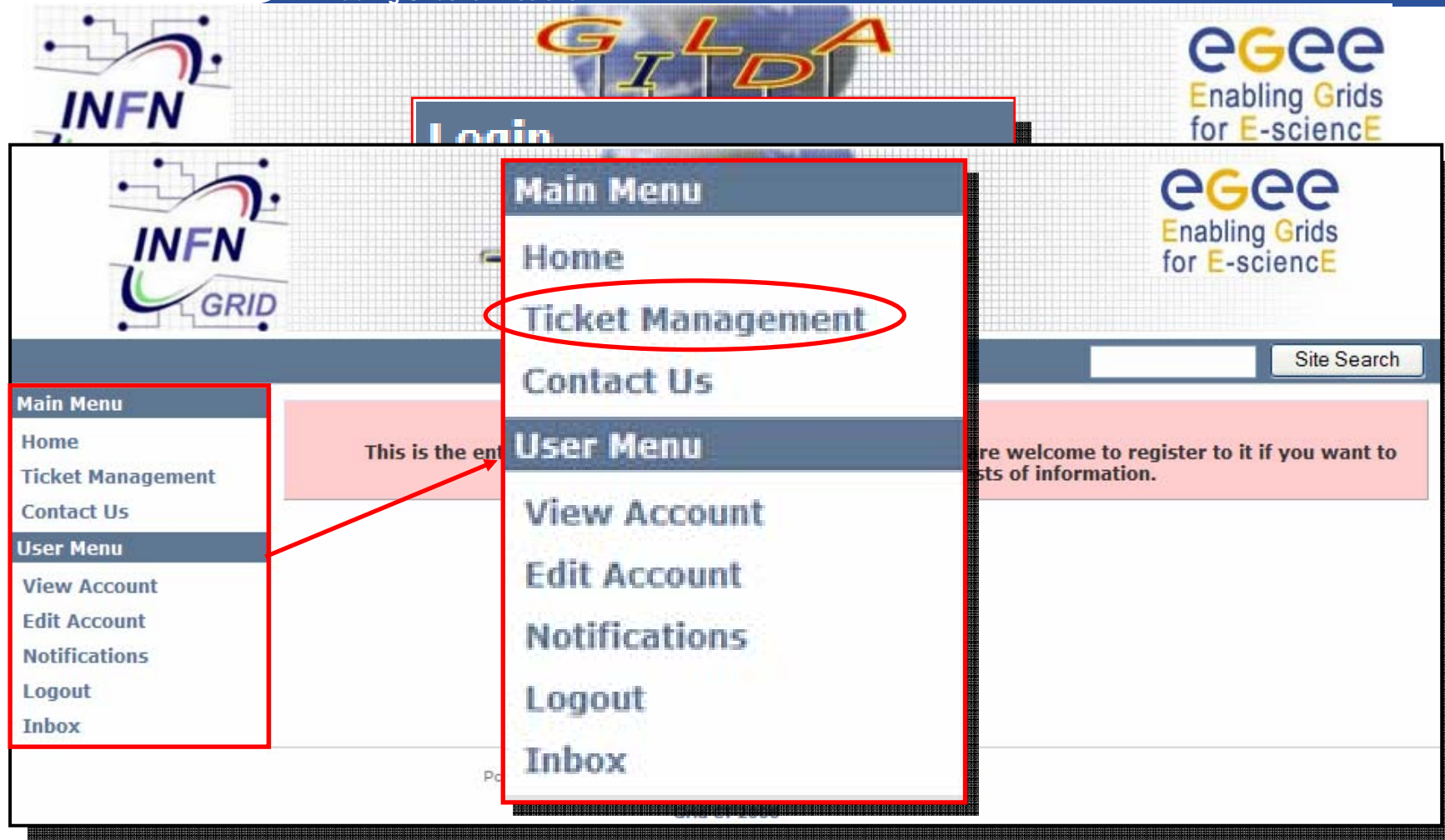
- Exercises (1)
- Grid Services installation (1)
- GILDA (1)
- GENIUS (2)
- Inform...
- ... - advanced (3)
- ... System - basics (2)
- ... Management System - advanced
- ... Management System - basics (1)
- Administrative tutorials (3)
- Video tutorials (1)
- User guides

<http://documents.eumedgrid.org/?c=Training+materials&as=0&In=en>  
(per-topic basis)

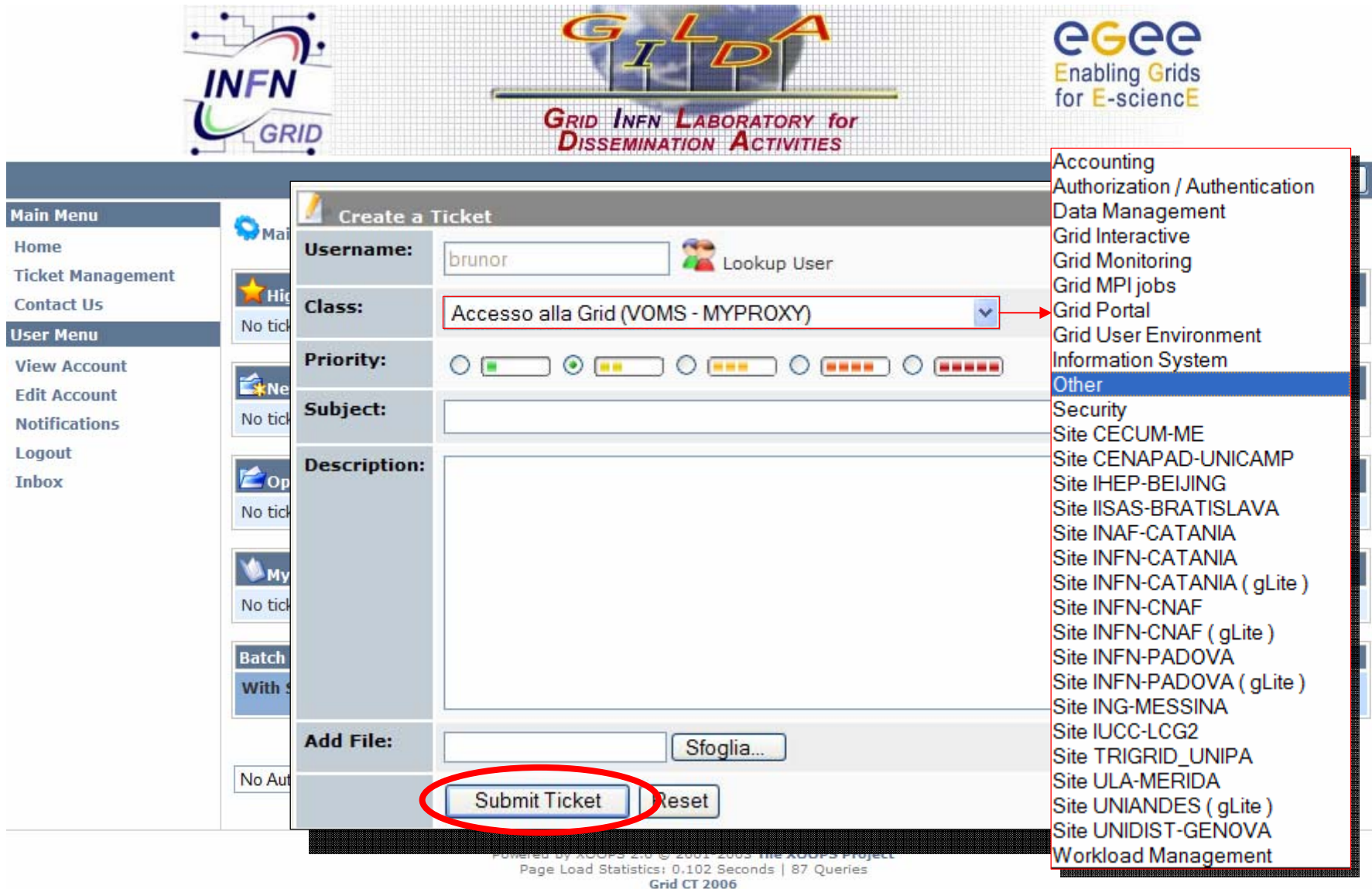




The screenshot shows a Mozilla browser window titled "GILDA SUPPORT - - Mozilla" with the address bar set to "http://gilda-support.ct.infn.it/". The page features logos for INFN GRID, GILDA (GRID INFN LABORATORY for DISSEMINATION ACTIVITIES), and EGEE (Enabling Grids for E-science). A navigation bar shows the date "Thursday, 21 September 2006" and a "Site Search" button. On the left, there is a "Login" section with fields for "Username:" and "Password:", a "User Login" button, and links for "Lost Password?" and "Register now!". The main content area contains a "WELCOME" message: "This is the entry point of the GILDA Support . You are welcome to register to it if you want to submit Tickets for problems and/or requests of information." Below this is a "WARNING" message: "Once you register and successfully log in for the first time, please edit your account and change the value of the parameter 'Notification Method: When you monitor e.g. a forum, how would you like to receive notifications of updates?' from 'Private Message' to 'Email (use address in my profile)' otherwise you will not correctly receive in your mailbox the information about your tickets".



The screenshot shows the eGEE website interface. At the top, there are logos for INFN, GILDA, and eGEE. A 'Login' button is visible. The main navigation menu is open, showing two sections: 'Main Menu' and 'User Menu'. The 'Main Menu' items are Home, Ticket Management (circled in red), and Contact Us. The 'User Menu' items are View Account, Edit Account, Notifications, Logout, and Inbox. A smaller inset menu on the left also lists these items. A red arrow points from the 'Ticket Management' item in the inset menu to the main menu. The background shows a grid pattern and some text like 'This is the ent' and 'are welcome to register to it if you want to'.



**Accounting**  
 Authorization / Authentication  
 Data Management  
 Grid Interactive  
 Grid Monitoring  
 Grid MPI jobs  
 Grid Portal  
 Grid User Environment  
 Information System  
**Other**  
 Security  
 Site CECUM-ME  
 Site CENAPAD-UNICAMP  
 Site IHEP-BEIJING  
 Site IISAS-BRATISLAVA  
 Site INAF-CATANIA  
 Site INFN-CATANIA  
 Site INFN-CATANIA ( gLite )  
 Site INFN-CNAF  
 Site INFN-CNAF ( gLite )  
 Site INFN-PADOVA  
 Site INFN-PADOVA ( gLite )  
 Site ING-MESSINA  
 Site IUCC-LCG2  
 Site TRIGRID\_UNIPA  
 Site ULA-MERIDA  
 Site UNIANDES ( gLite )  
 Site UNIDIST-GENOVA  
 Workload Management

**Submit Ticket** | Reset

Powered by XGPPS 2.0 © 2001-2005 The XGPPS Project  
 Page Load Statistics: 0.102 Seconds | 87 Queries  
 Grid CT 2006

- **Middleware instabilities (in particular WMS slowness in job submission/execution)**
- **Problems with WMPProxy**
- **Little use of the GILDA repository for training material outside the GILDA Team**
- **Scale of GILDA (new sites are desperately needed!)**

GILDA is a virtual laboratory for dissemination of grid computing:

- It is a “de facto” standard t-Infrastructure adopted both by EGEE and many EU-FP6 projects (EELA, EUCHINAGRID, EUMEDGRID, EUINDIAGRID, ICEAGE, etc.)
- It is a complete suite of grid elements (test-bed, CA, VO, monitoring system, web portal, user interfaces, training material, support system) and applications fully dedicated to dissemination purposes and pre-reporting of new applications to EGEE Infrastructure
- GILDA runs the latest production version of the gLite middleware (and also some pre-production ones) to make the transition from the t-Infrastructure to the e-Infrastructure easy and transparent
- Everybody working in NA3 is welcome to use GILDA but, more importantly, to contribute to it in all possible ways

- **GILDA home page**
  - <https://gilda.ct.infn.it>
- **GILDA Certification Authority**
  - <https://gilda.ct.infn.it/CA/>
- **GILDA Virtual Organization**
  - <https://voms.ct.infn.it:8443/voms/gilda/>
- **GILDA Support System**
  - <http://gilda-support.ct.infn.it>
- **GILDA Form for Bookings**
  - [https://gilda.ct.infn.it/request\\_tutorial/index.php](https://gilda.ct.infn.it/request_tutorial/index.php)
- **GILDA Repository of Training Material**
  - <https://grid.ct.infn.it/twiki/bin/view/GILDA/WebHome>
- **GILDA Virtual Services**
  - <https://gilda.ct.infn.it/VirtualServices.html>
- **EELA Training Material Repository (per-event basis)**
  - <http://documents.eu-eela.org/?c=Training+Material&as=0&ln=en>
- **EUMEDGRID Training Material Repository (per-topic basis)**
  - <http://documents.eumedgrid.org/?c=Training+materials&as=0&ln=en>

