



Enabling Grids for E-science

The GILDA t-Infrastructure

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Univ. of Catania and INFN

“Training the trainers” tutorial, CERN, 24.09.2006

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.

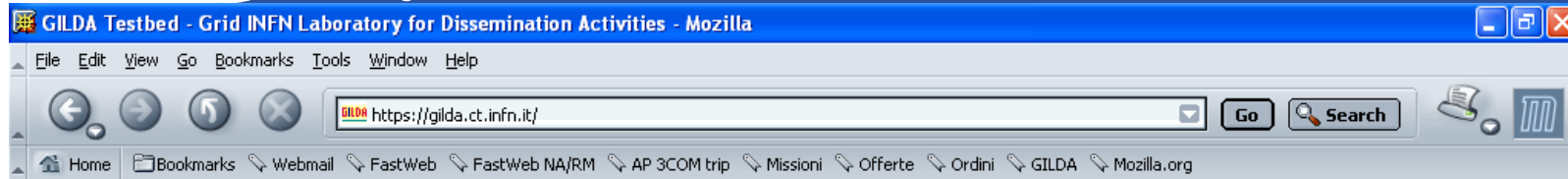
GILDA consists of the following elements:

- [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 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

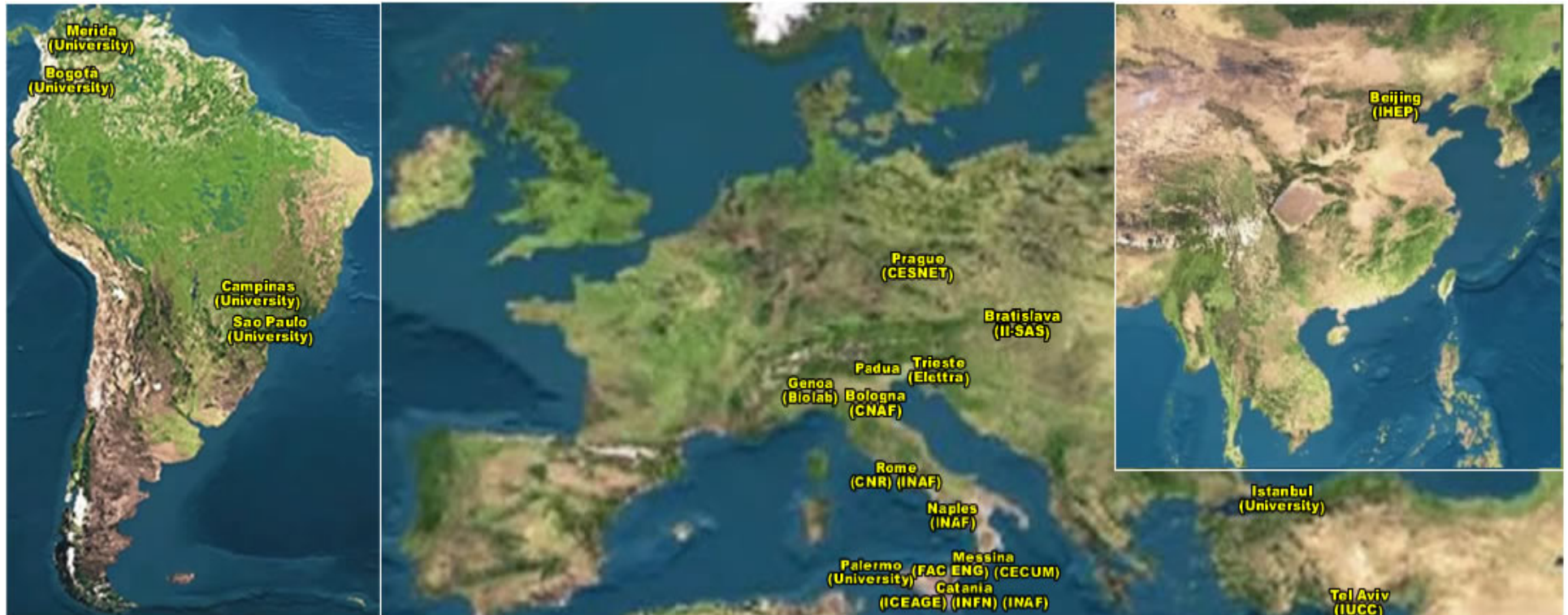


- Grid tutorials
- GILDA Posters
- Video tutorials
- User Interface PnP
- Virtual Services 
- Instructions for users
- Instructions for sites 
- GILDA Wiki 
- Support system
- Useful links

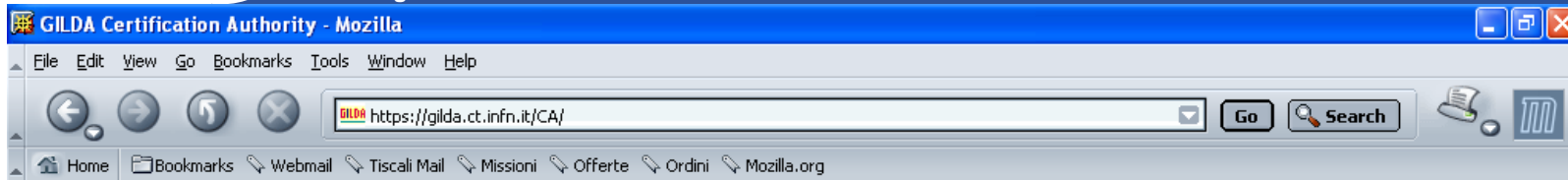
- Sponsors
- Usage Statistics
- Old Usage Statistics

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:





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
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

TOTAL CERTIFICATES	5602
PERSONAL CERTIFICATES	
TOTAL	4658
REQUESTED ONE TIME	2767
REQUESTED MORE TIMES	776
HOST CERTIFICATES	
TOTAL	846
REQUESTED ONE TIME	753
REQUESTED MORE TIMES	45



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
- SEARCH FOR USERS
- CREATE A NEW VO USER

GROUPS

- LIST OF GROUPS
- SEARCH FOR GROUPS
- CREATE A NEW GROUP

ROLES

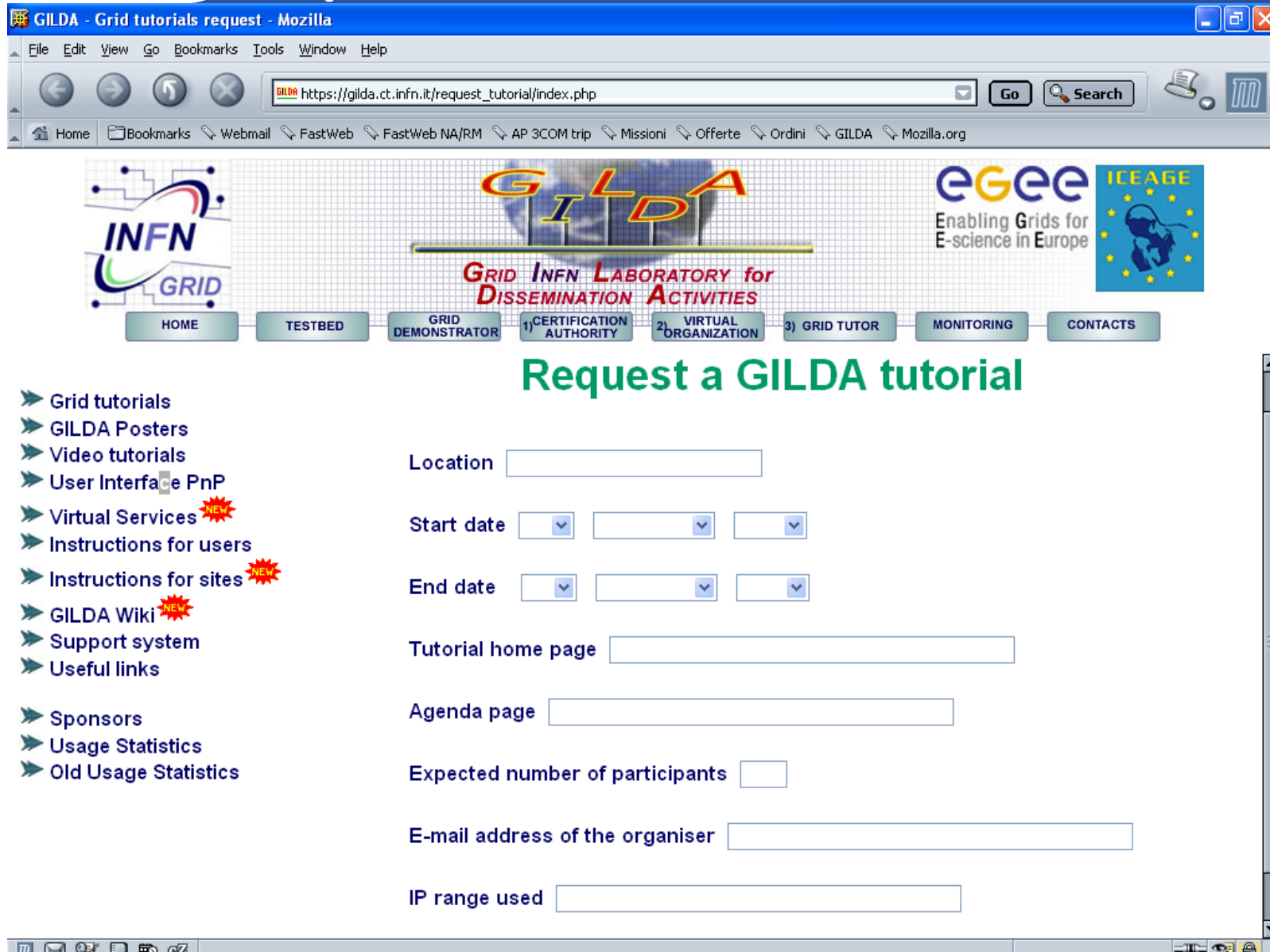
- LIST THE ROLES
- SEARCH FOR ROLES

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

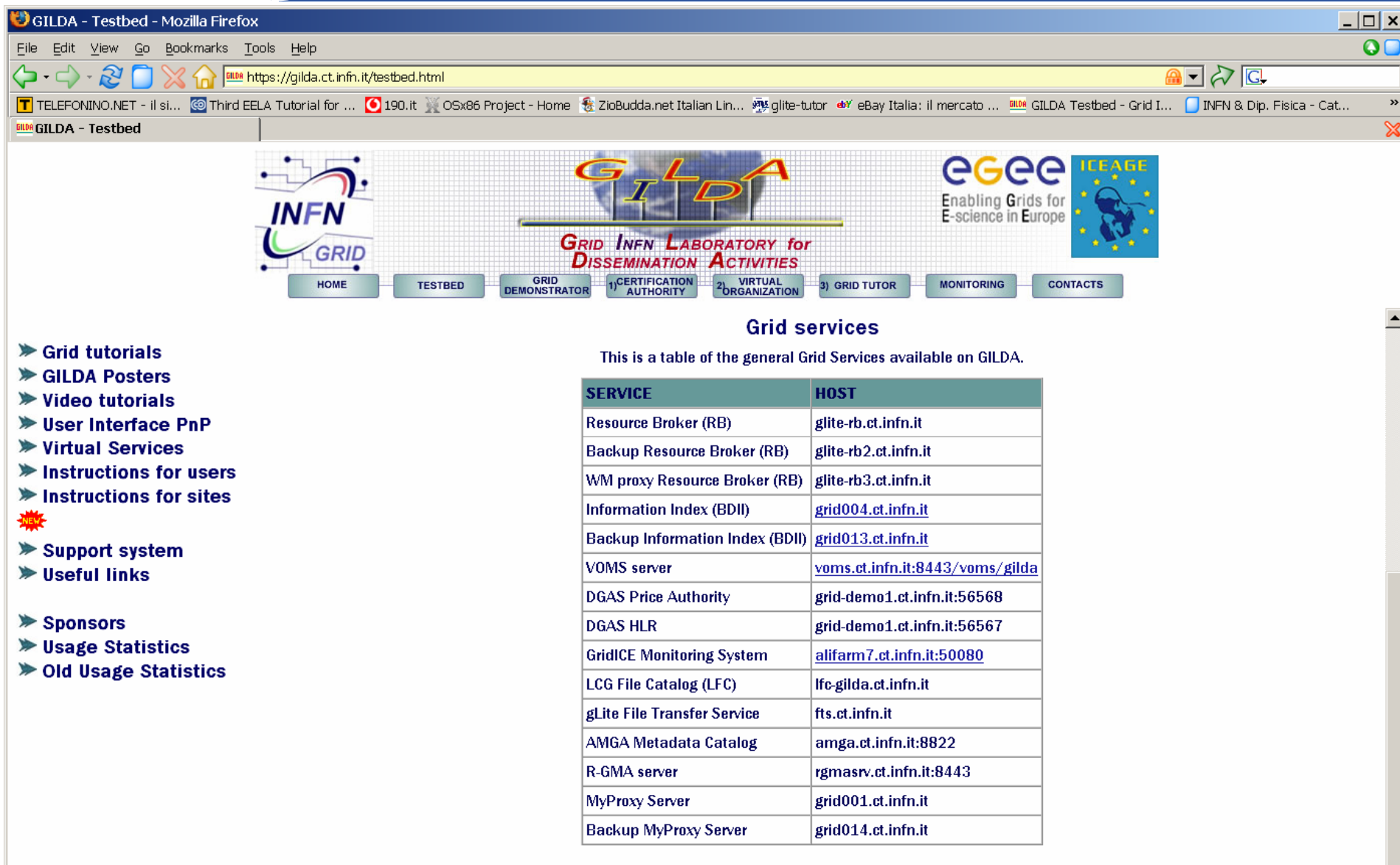
Tutorial home page

Agenda page

Expected number of participants

E-mail address of the organiser

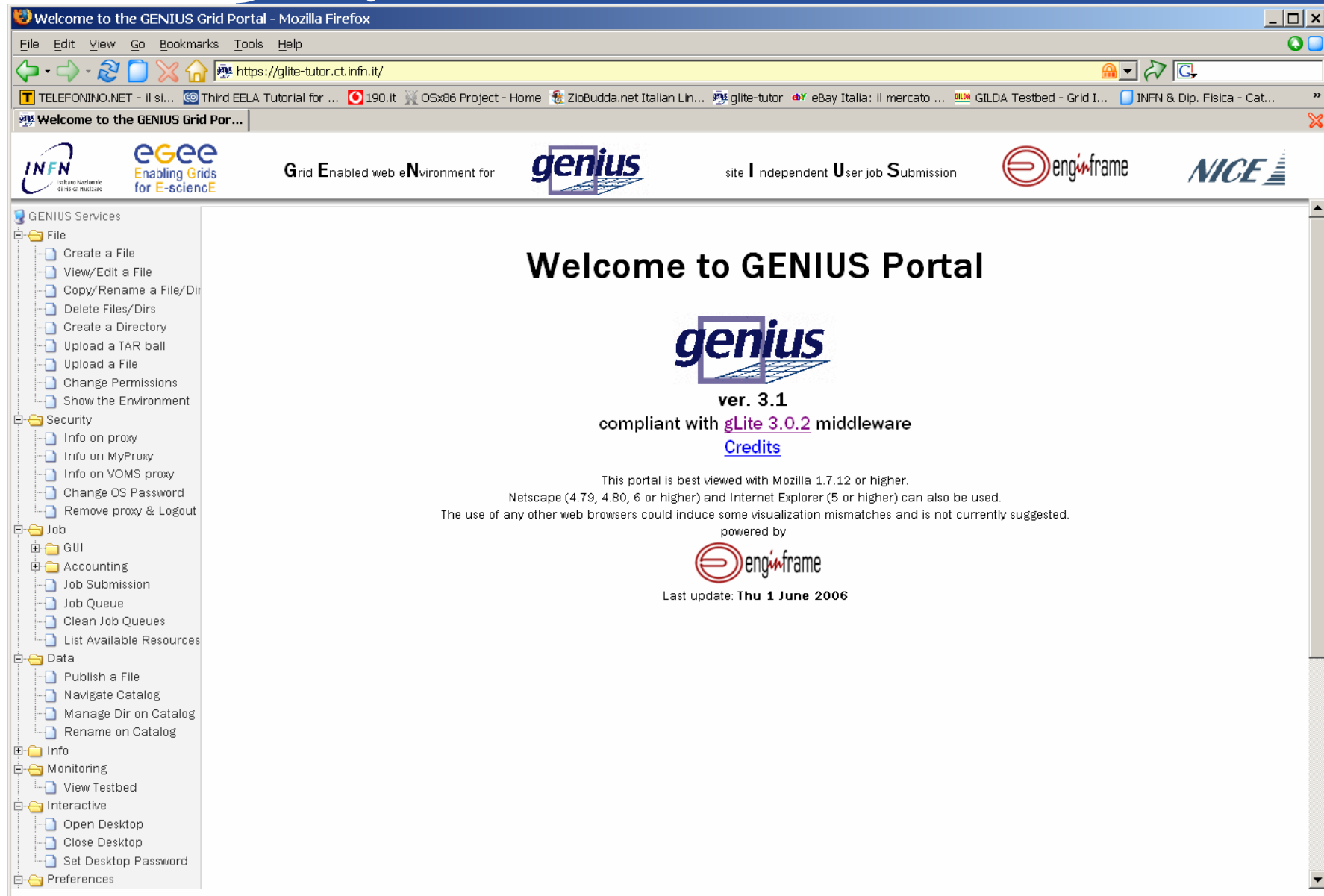
IP range used



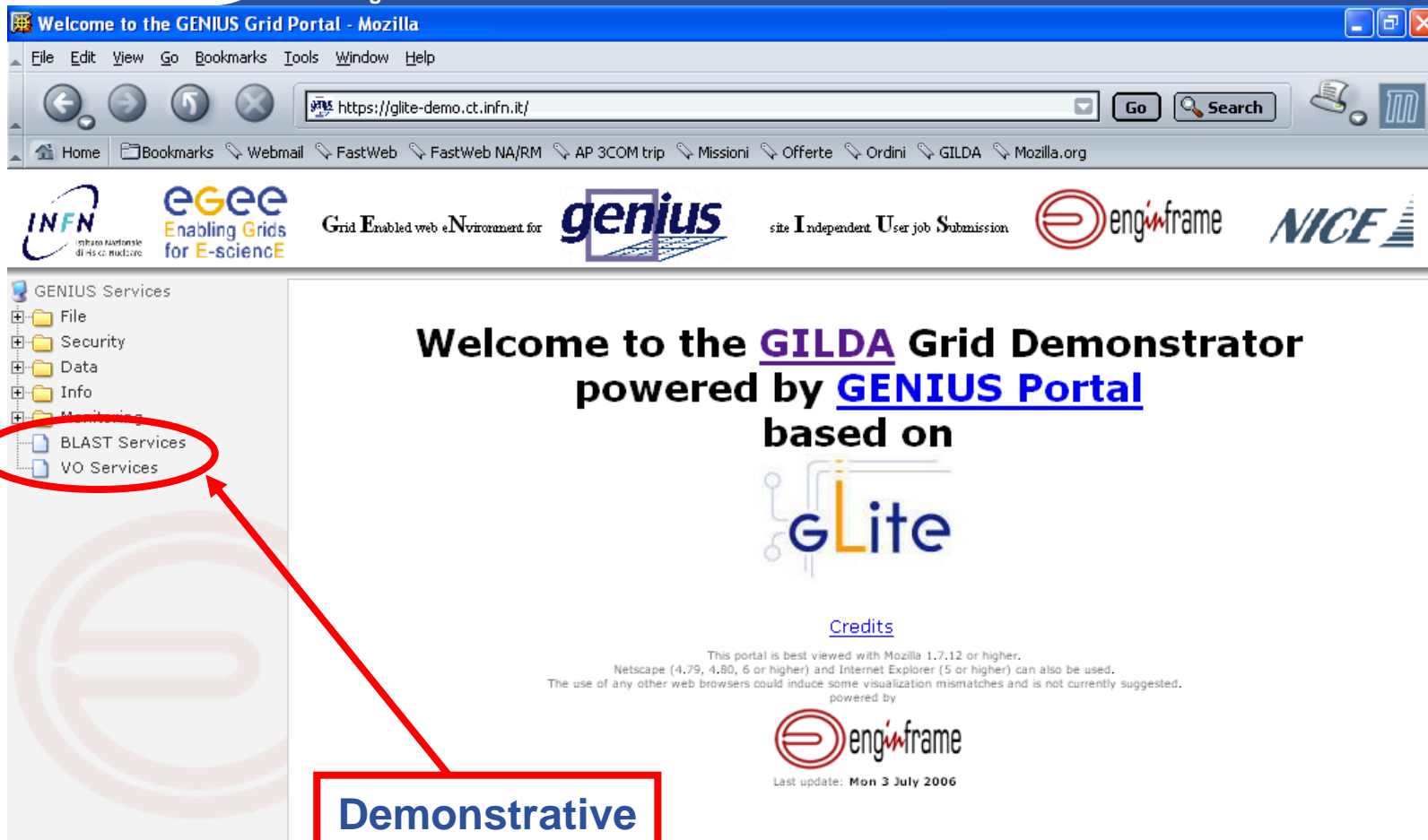
Grid services

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

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



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 features a navigation menu on the left with categories like File, Security, Job, Data, and Info. The main content area displays a welcome message, the GENIUS logo, and version information (ver. 3.1). It also mentions compliance with gLite 3.0.2 middleware and provides a link to Credits. A note specifies that the portal is best viewed with Mozilla 1.7.12 or higher, with Netscape and Internet Explorer also supported. The page is powered by enginframe and was last updated on Thursday, June 1, 2006.




GENIUS Services

- File
- Security
- Data
- Info
- Metadata
- BLAST Services
- VO Services

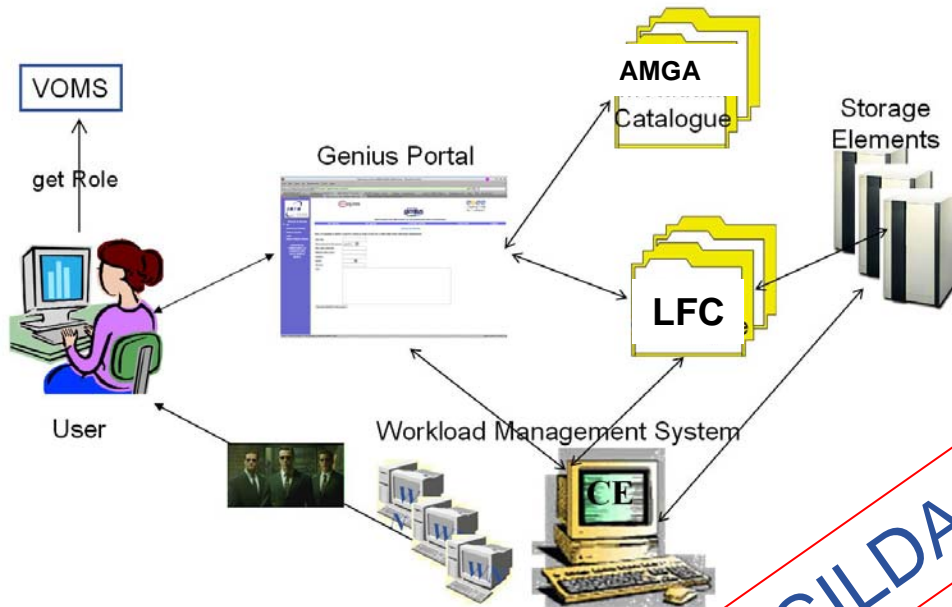
Welcome to the **GILDA** Grid Demonstrator
powered by **GENIUS Portal**
based on
gLite

[Credits](#)

This portal is best viewed with Mozilla 1.7.12 or higher.
Netscape (4.79, 4.80, 6 or higher) and Internet Explorer (5 or higher) can also be used.
The use of any other web browsers could induce some visualization mismatches and is not currently suggested.
powered by


Last update: Mon 3 July 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 trailer is available at the path `/trailers/Shrek2.mpg`. The interface includes a table with the following data:

Attribute	Value
Run Time	92
Country	USA
Release Date	2004
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 metadata:

```

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-c1ced08dbeeF
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 the trailer video. The video player shows a scene from the movie with a progress bar at 0:01:21 / 0:02:30.



GILDA
PnP
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.

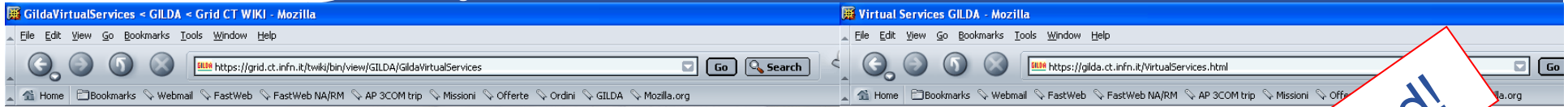
SYSTEM REQUIREMENTS



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

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

INFN GRID

HOME TESTBED GRID DEMONSTRATION VIRTUAL ORGANIZATION GRID TUTOR MONITORING

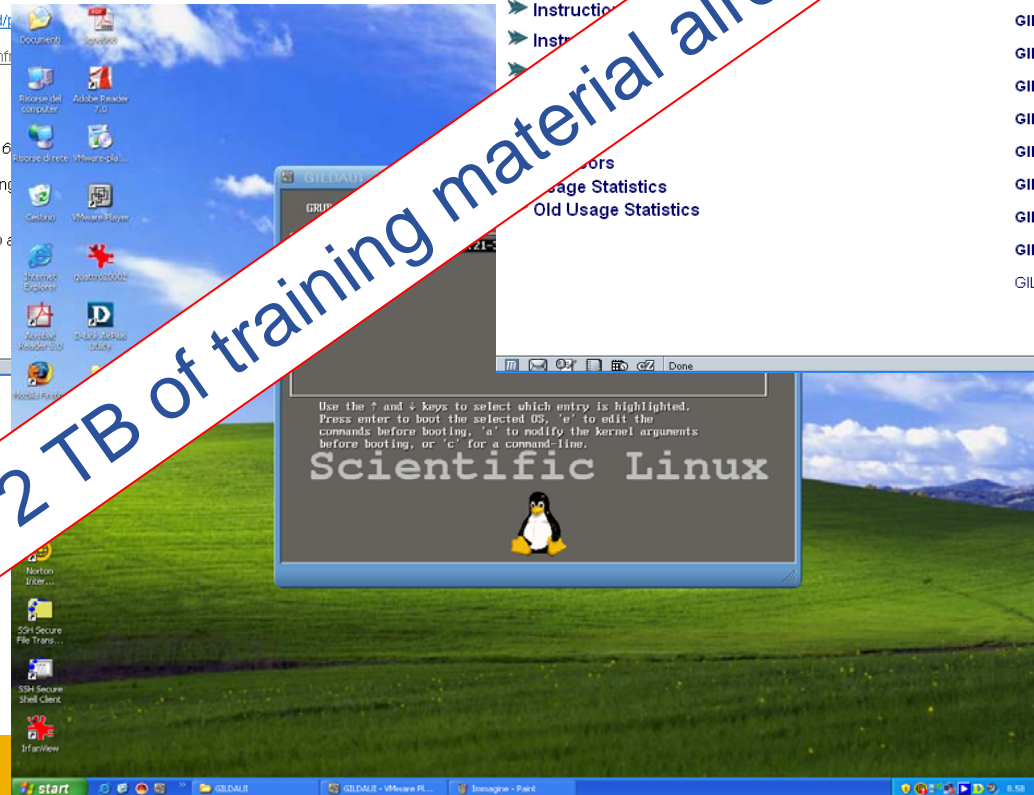
Virtual Services

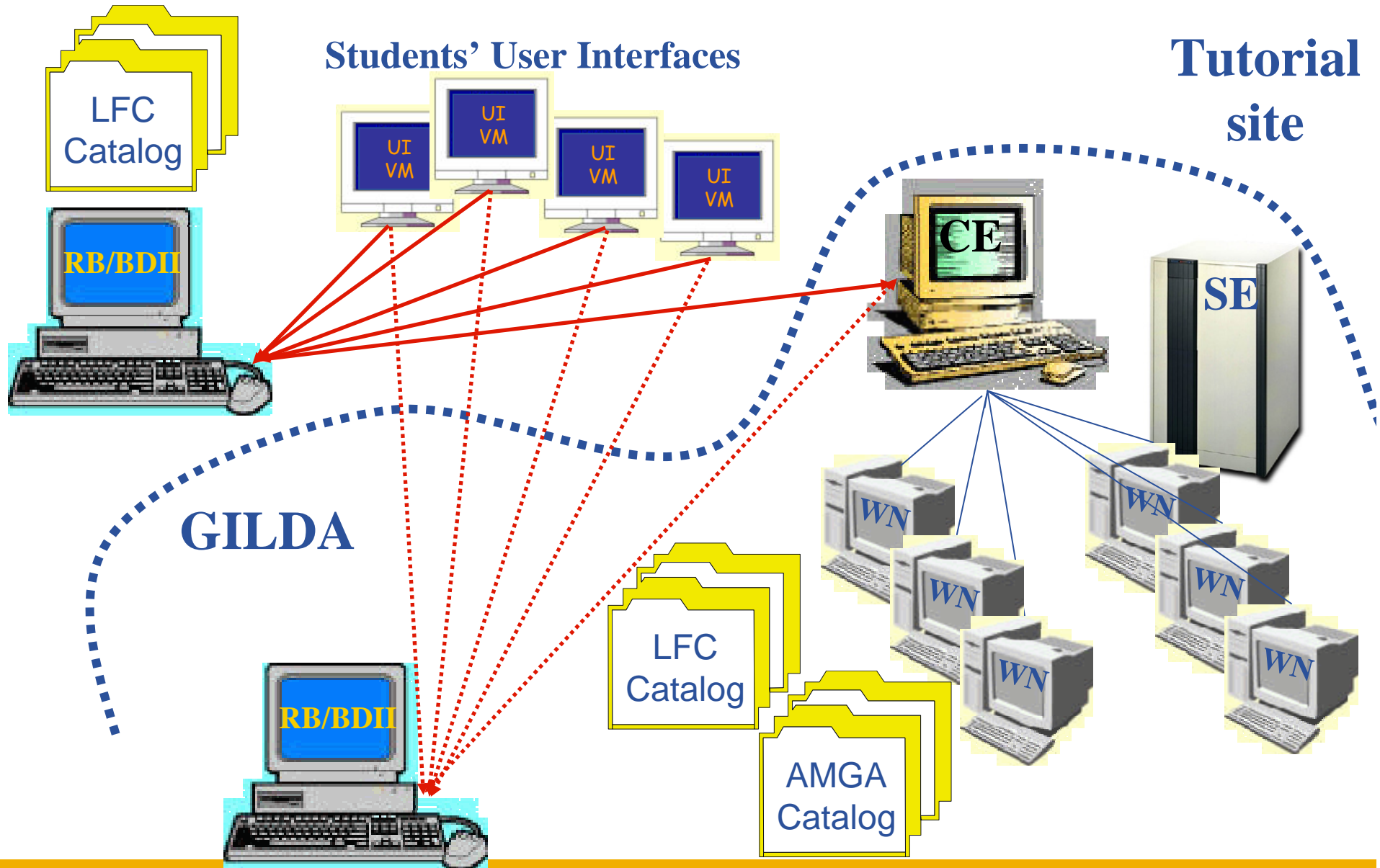
- Grid tutorials
- GILDA Posters
- Video tutorials
- User Interface PnP
- Virtual Services Instruction
- Instruction

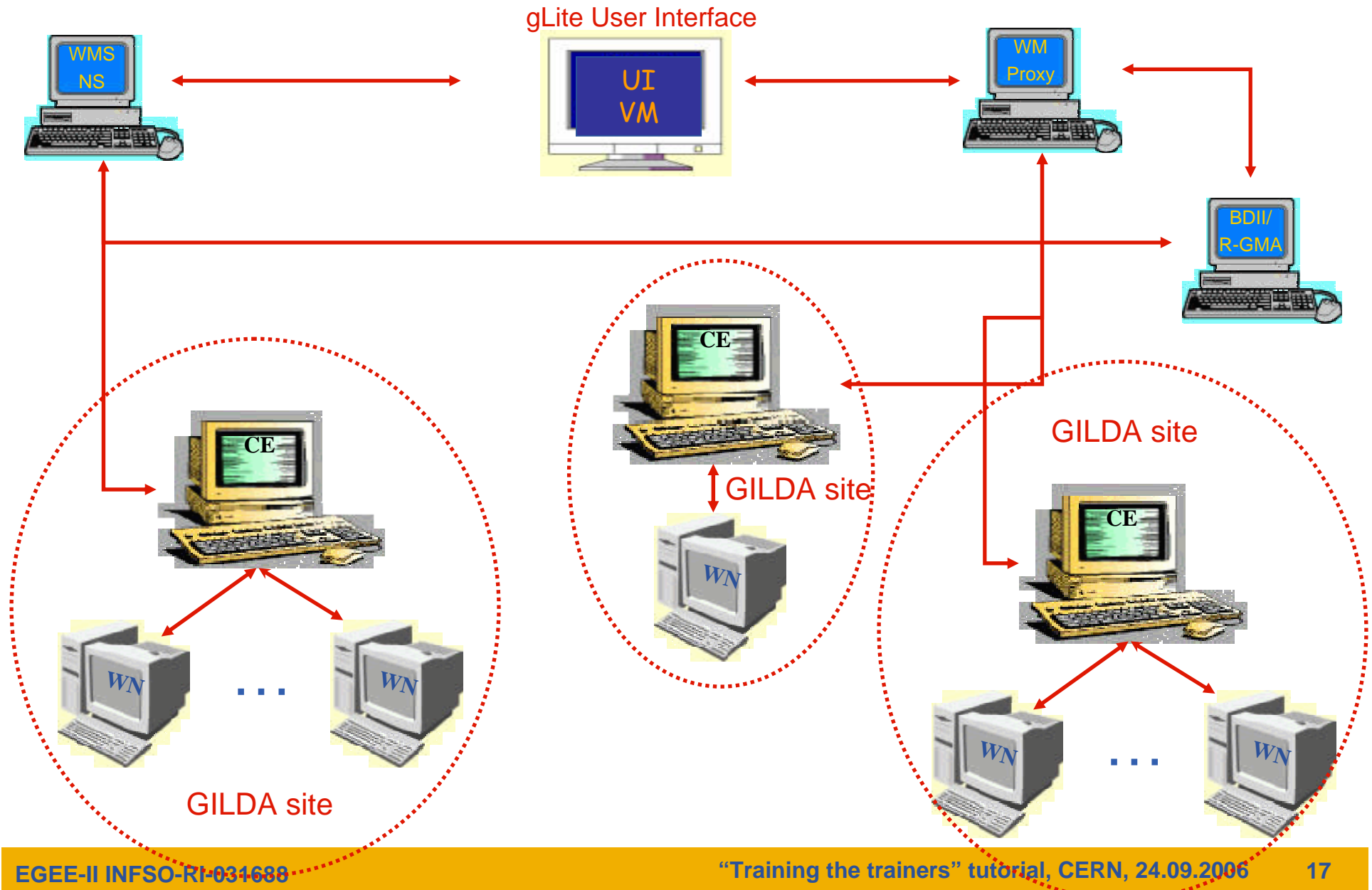
- GILDA VM Base (Readme)
- GILDA VM UI gLite 3.0 (Readme)
- GILDA VM BDII gLite 3.0 (Readme)
- GILDA VM DPM gLite 3.0 (Readme)
- GILDA VM CE gLite 3.0 (Readme)
- GILDA VM FTS gLite 3.0 (Readme)
- GILDA VM LFC_MySQL gLite 3.0 (Readme)
- GILDA VM MyProxy gLite 3.0 (Readme)
- GILDA RGMA gLite 3.0 (Readme)
- 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

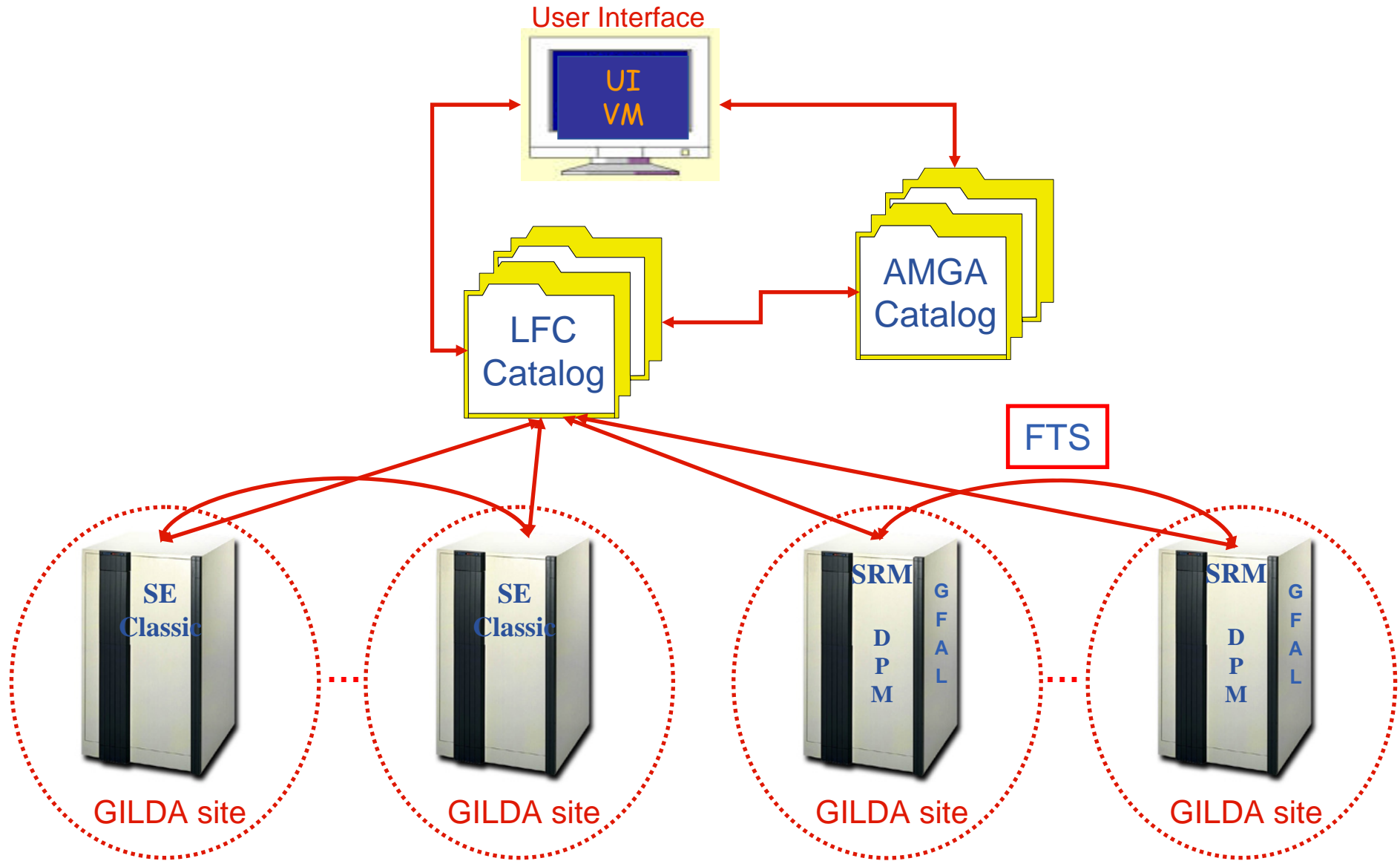
Wiki pages also available

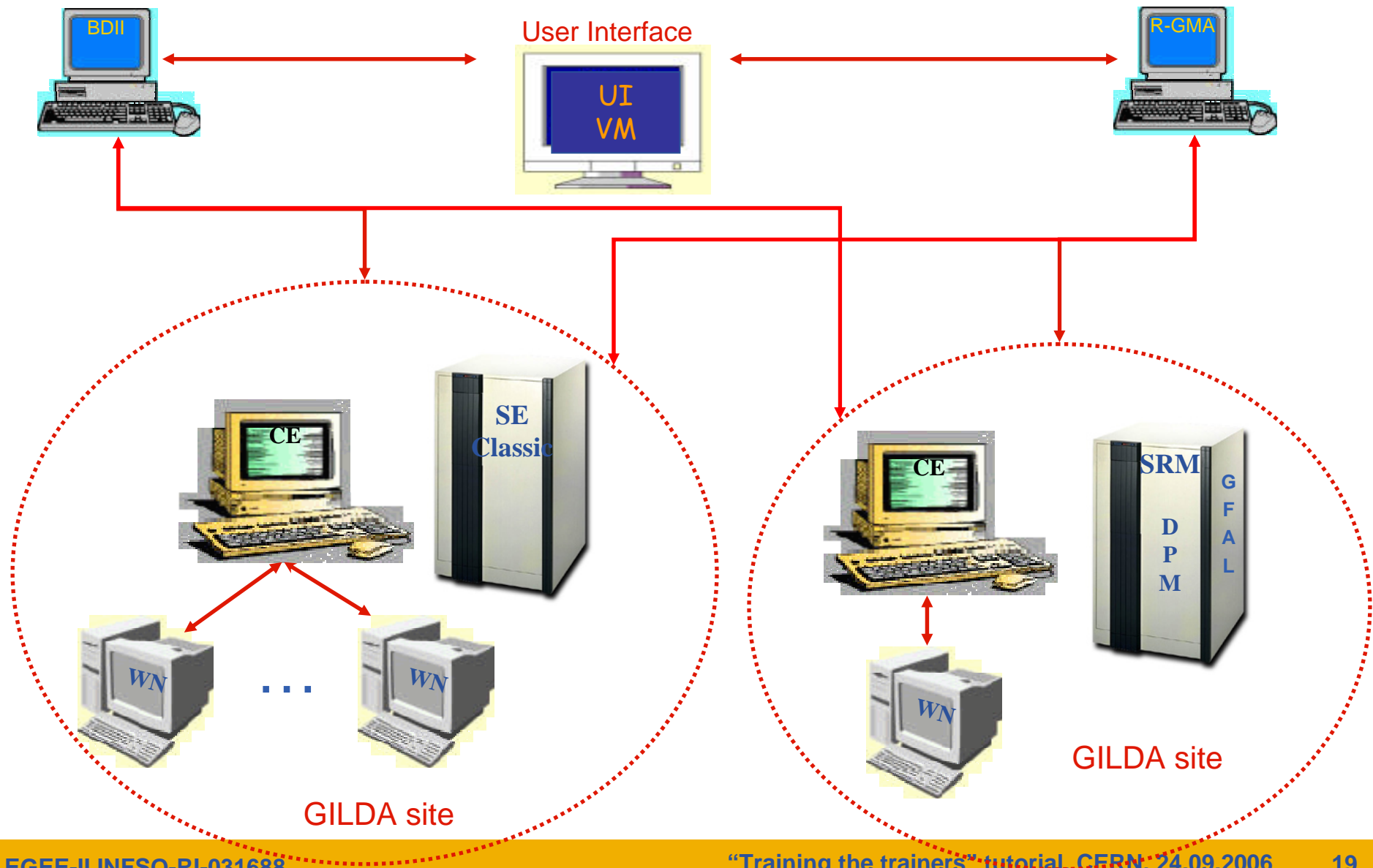
More than 2 TB of training material already downloaded!

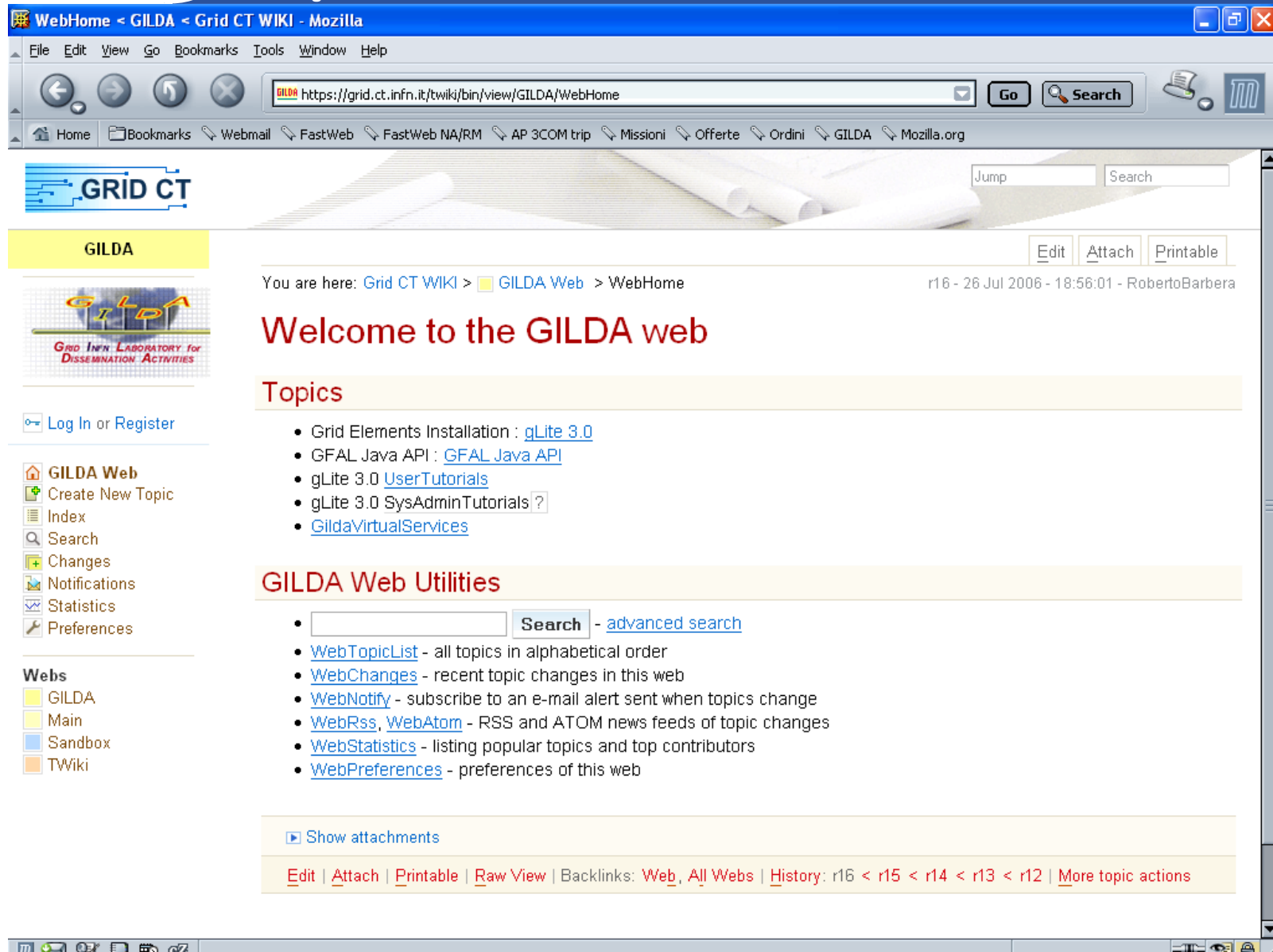












WebHome < GILDA < Grid CT WIKI - Mozilla

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

Grid INFN LABORATORY FOR DISSEMINATION ACTIVITIES

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

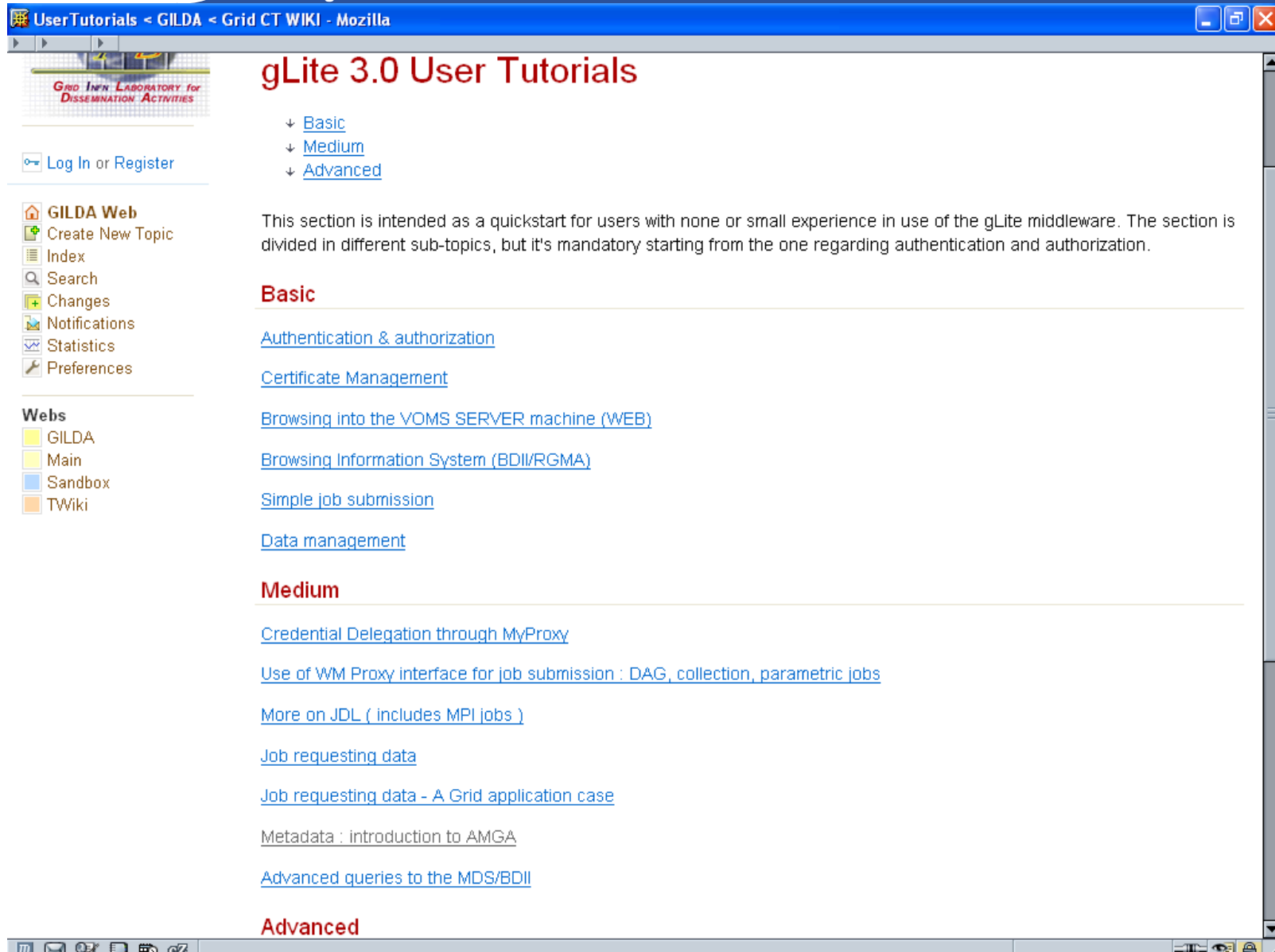
- Grid Elements Installation : [gLite 3.0](#)
- GFAL Java API : [GFAL Java API](#)
- gLite 3.0 [UserTutorials](#)
- gLite 3.0 [SysAdminTutorials?](#)
- [GildaVirtualServices](#)

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.

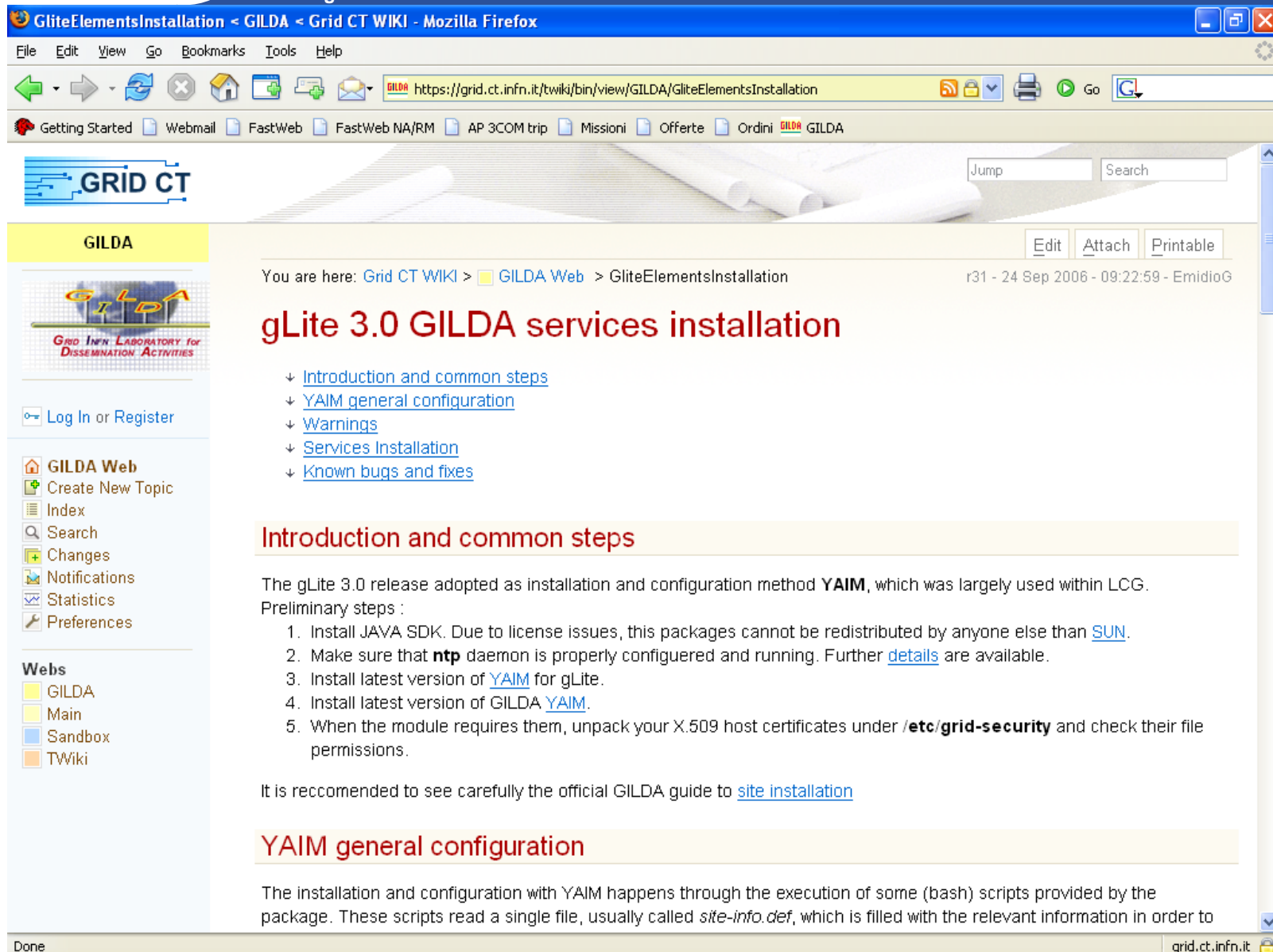
Basic

- [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.

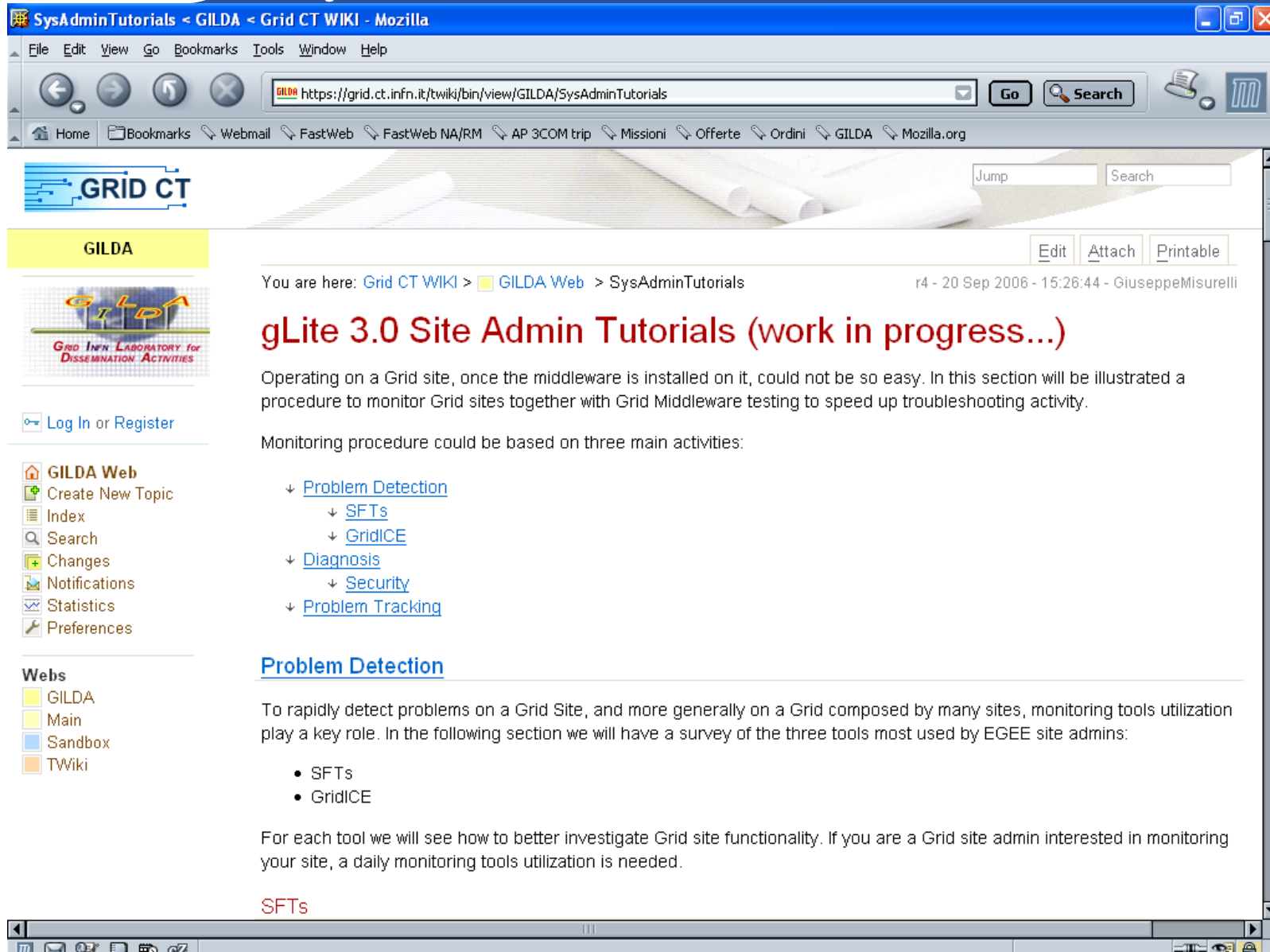
Preliminary steps :

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](#) (2)
- Exercises
 - [Fifth EELA Tutorial \(Users\)](#) (6) [Fourth EELA Tutorial \(Users\)](#) (7) [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

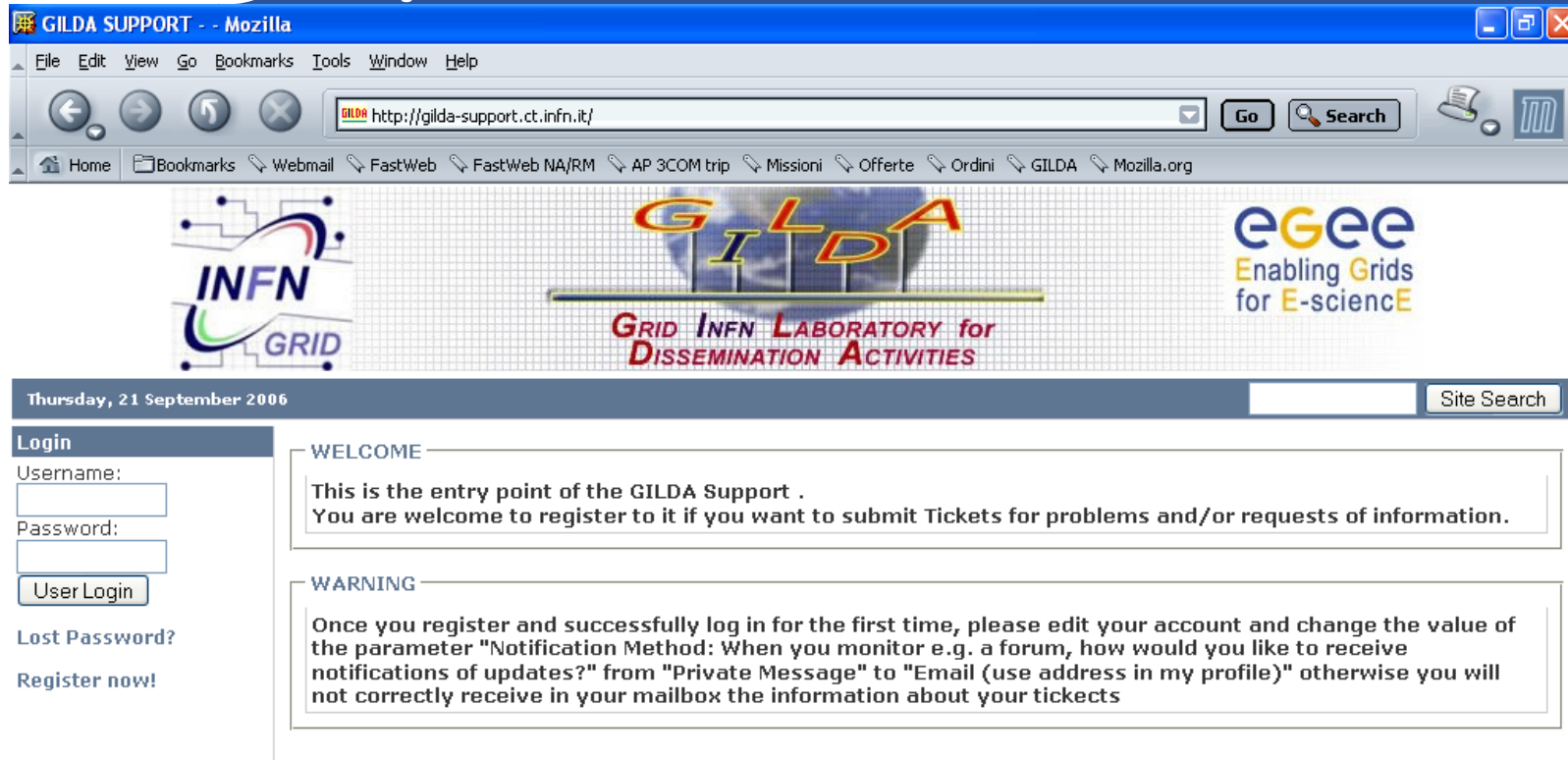
FastWeb NA/RM | AP 3COM trip | Missioni | Offerte | Ordini | GILDA

Search Submit Personalize Help

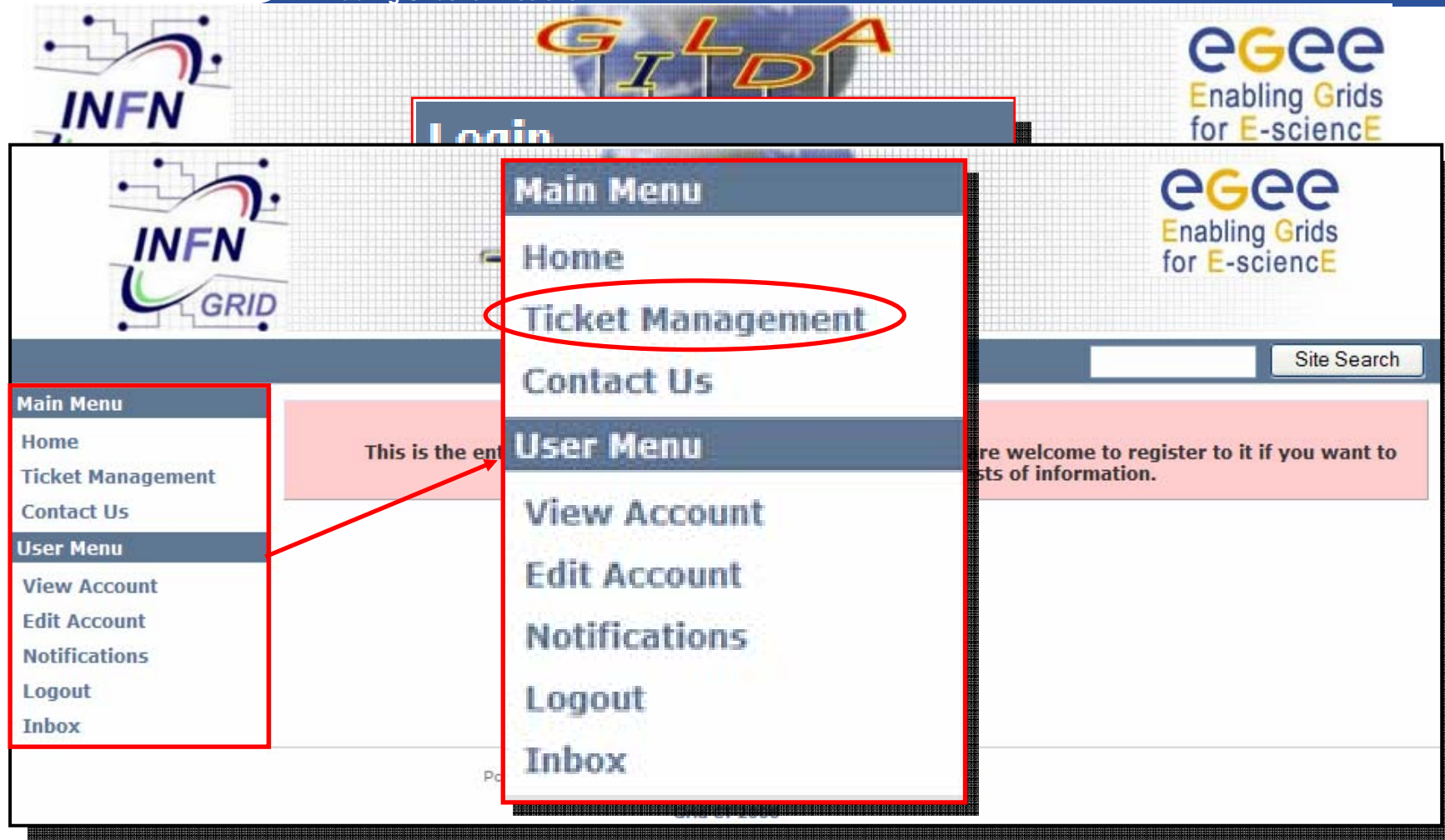
Narrow by collection:

- 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 containing "http://gilda-support.ct.infn.it/". The browser's menu bar includes File, Edit, View, Go, Bookmarks, Tools, Window, and Help. The address bar has navigation buttons (back, forward, home, stop) and a search field. Below the browser window, the website header features the INFN GRID logo on the left, the GILDA logo in the center, and the EGEE logo on the right. The GILDA logo includes the text "GRID INFN LABORATORY for DISSEMINATION ACTIVITIES". A date bar shows "Thursday, 21 September 2006" and a "Site Search" button. The main content area is divided into a "Login" sidebar on the left and a central message box. The "Login" sidebar contains fields for "Username:" and "Password:", a "User Login" button, and links for "Lost Password?" and "Register now!". The central message box contains a "WELCOME" section with the text: "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." and a "WARNING" section with the text: "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 a search bar.



Main Menu

- Home
- Ticket Management
- Contact Us

User Menu

- View Account
- Edit Account
- Notifications
- Logout
- Inbox

Create a Ticket

Username: Lookup User

Class:

Priority:

Subject:

Description:

Add File:

- 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

- **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
- **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>

