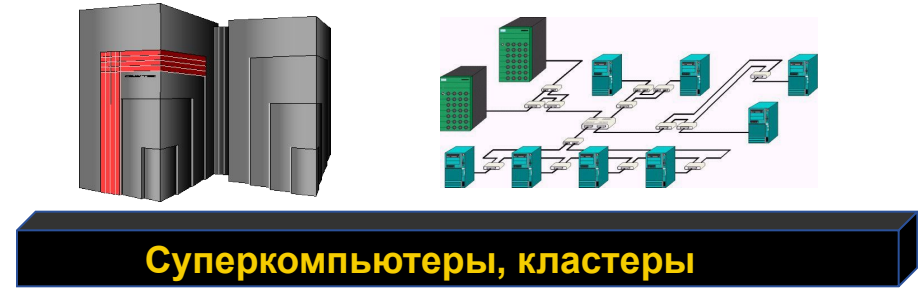


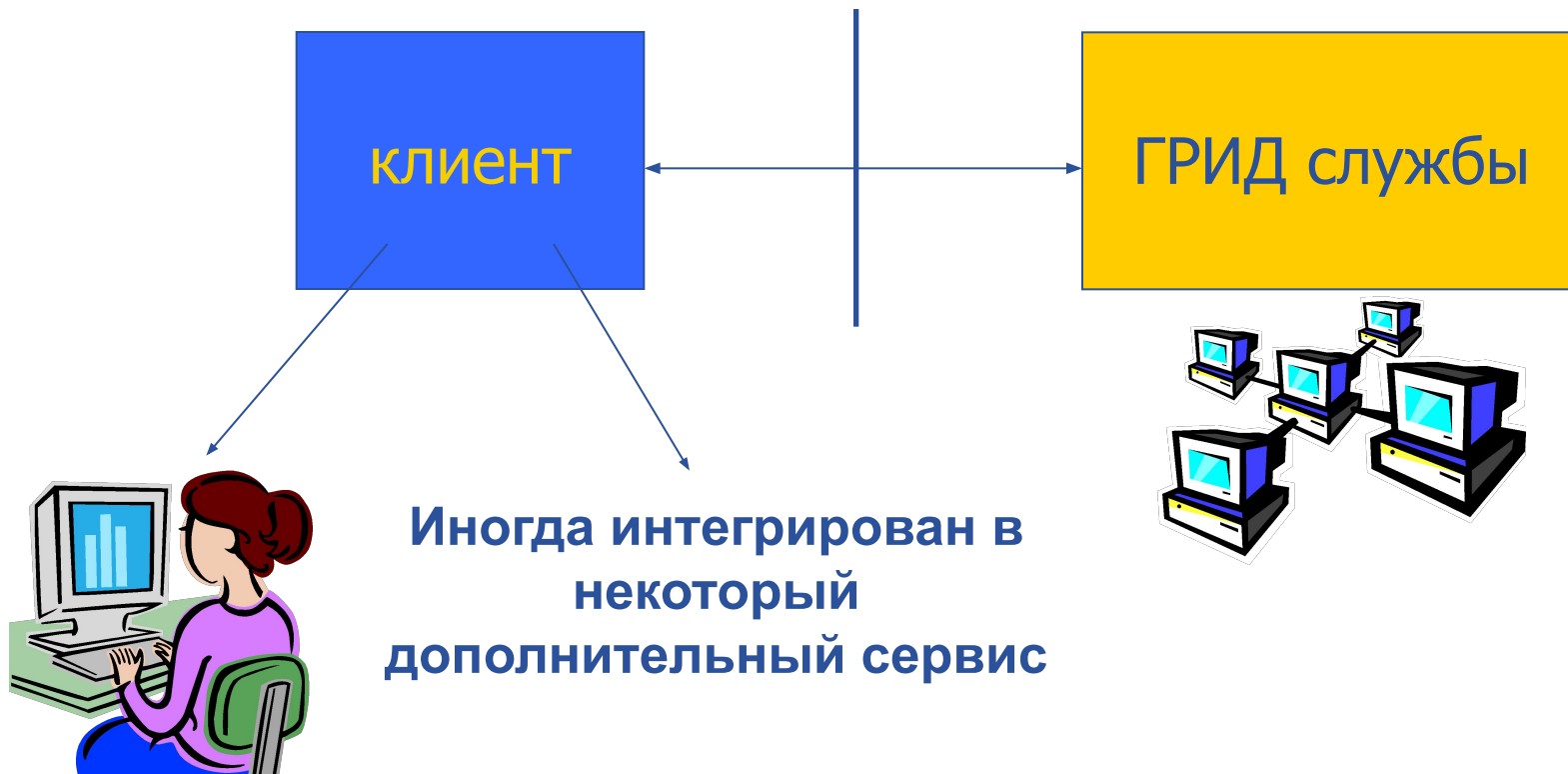
# GILDA Grid Demonstrator

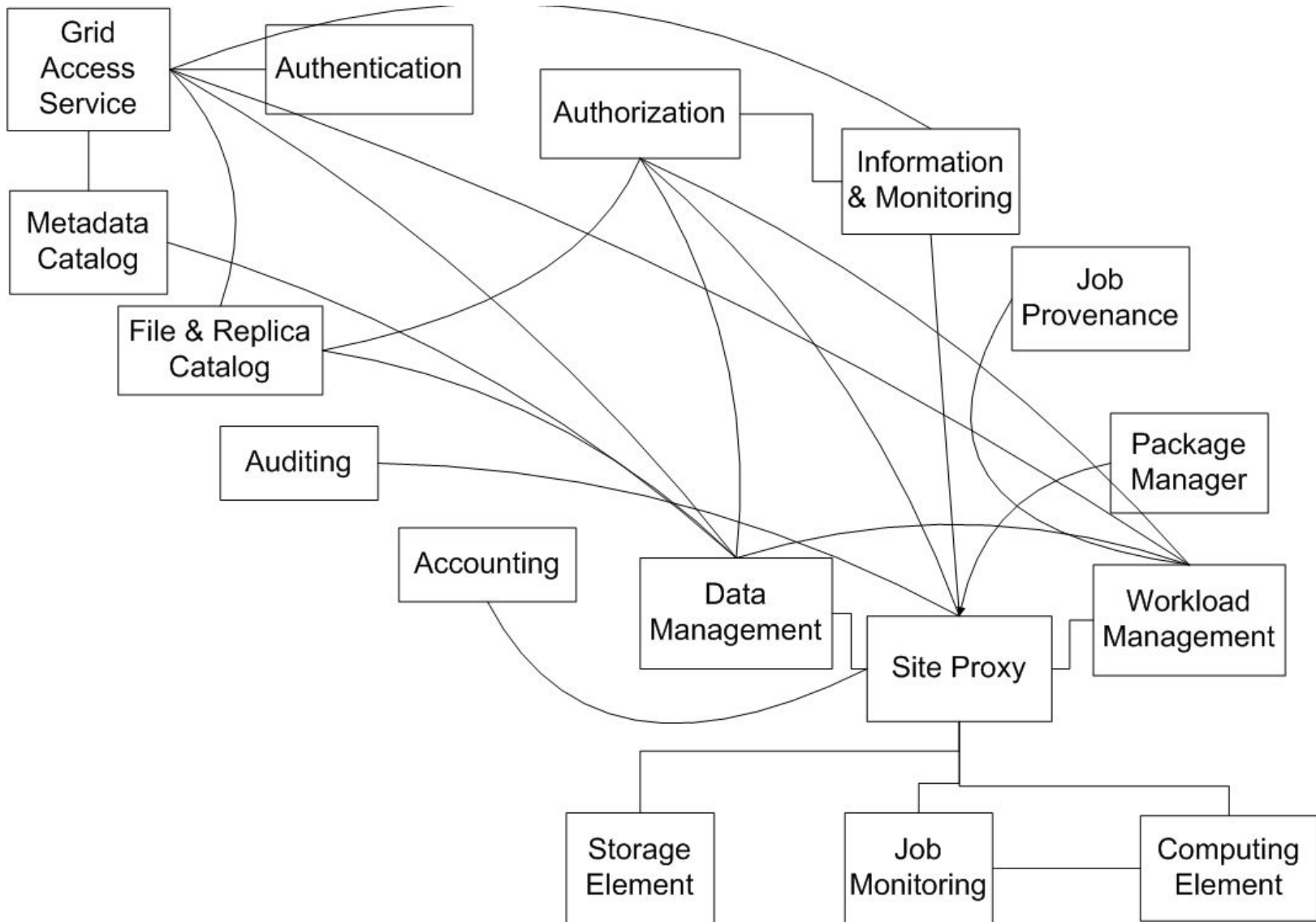
*Олешко Сергей*

*Петербургский институт ядерной физики РАН*



- ППО ГРИД – это множество программных ГРИД служб
- ГРИД службы более-менее стандартизованы, т.е. имеют стандартизованные интерфейсы и используют стандартные технологии
- Они могут быть доступны множеству клиентов





- **ГРИД службы используют шифрование:**
  - Вы должны получить сертификат от центра сертификации
  - Вы должны быть зарегистрированы в Виртуальной Организации (ГРИД службы доступны только для членов ВО.)
  - Вы должны сгенерировать временный сертификат
- **ГРИД клиенты – это достаточно низкоуровневые программные средства**
  - Интерфейс командной строки
  - Платформозависимость (как правило Linux)
  - Много параметров



- Он может быть доступен отовсюду и при помощи “чего угодно” (ПК, ноутбук, КПК, мобильный телефон).
- Он может использовать один и тот же пользовательский интерфейс для доступа к различным службам.
- Он должен обеспечивать “избыточную безопасность” на всех уровнях: 1) безопасность передачи данных по web, 2) безопасность пользовательских параметров доступа, 3) безопасность пользовательской аутентификации, 4) безопасность на уровне виртуальной организации.
- ГРИД службы должны быть доступны “по одному нажатию на кнопку мышки”.
- Пользовательский интерфейс должен быть понятен и дружелюбен к пользователю.

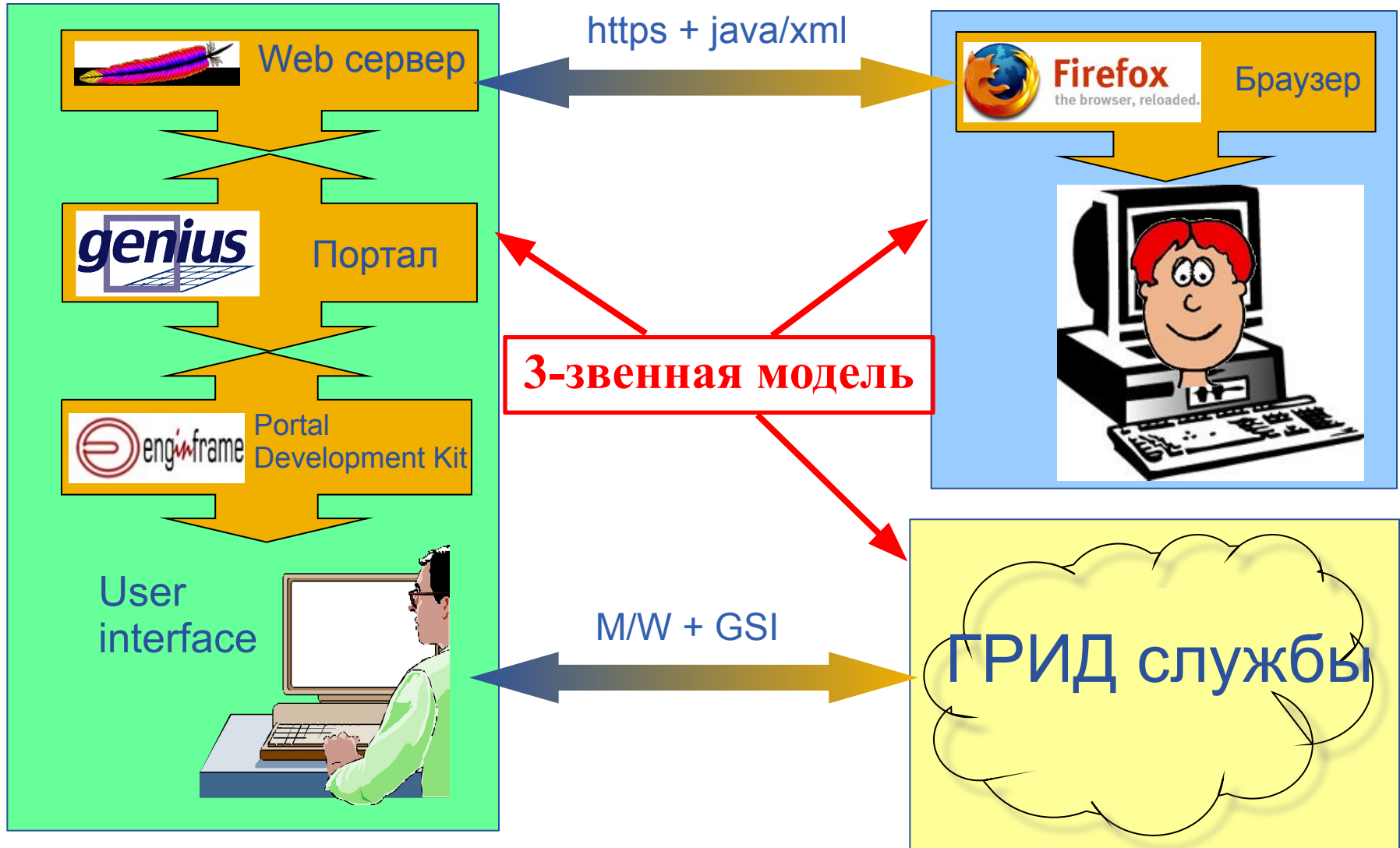
## Grid Enabled web eNvironment for site Independent User job Submission

Существует несколько версий портала:

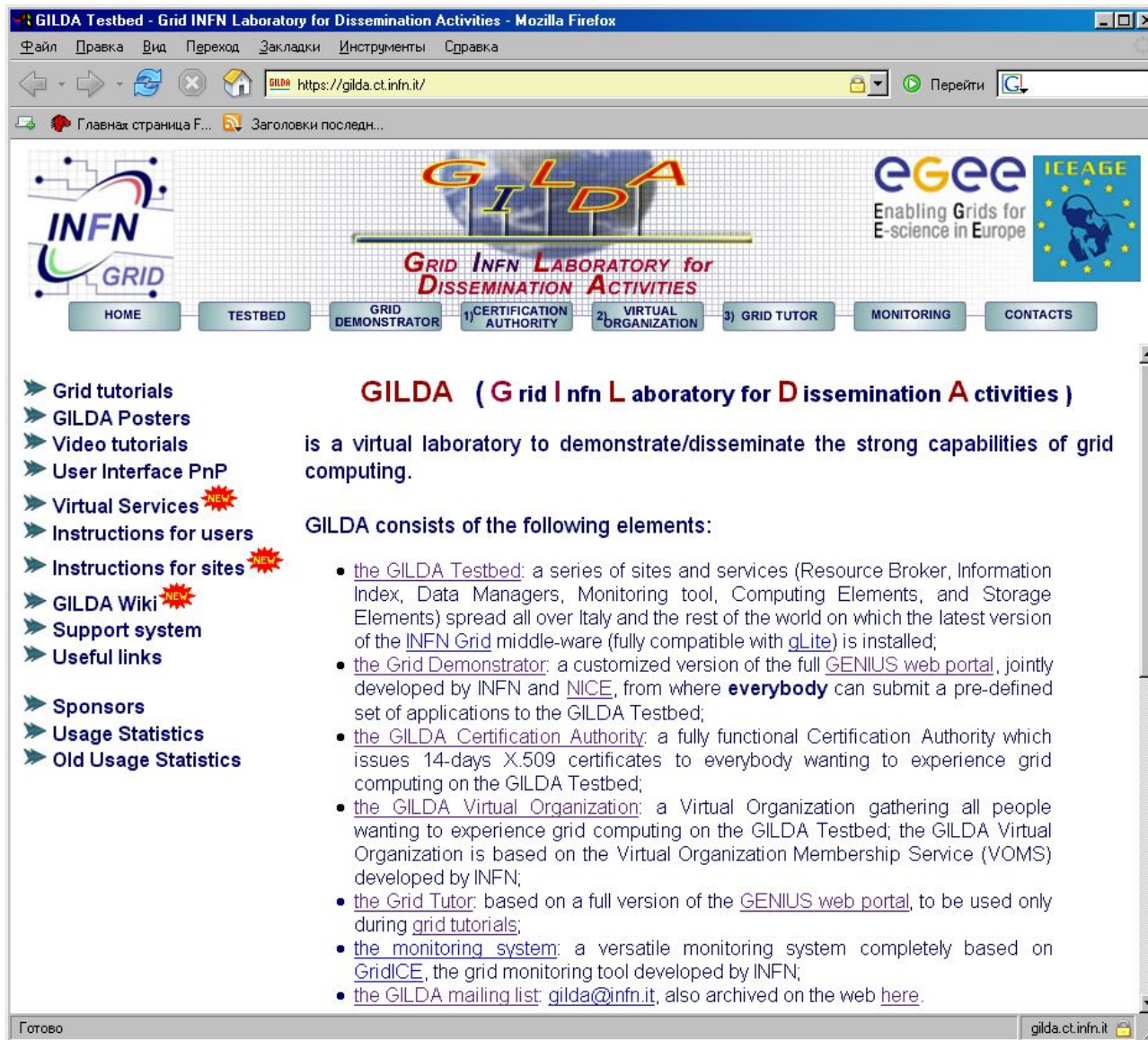


- **GENIUS – полная версия:**  
<https://genius.ct.infn.it>
- **Grid Demonstrator – открытая “для всех” 24/7 версия:**  
[https://glite-demo.ct.infn.it /](https://glite-demo.ct.infn.it/)
- **Grid Tutor – версия, адаптированная для обучения и тренинга:**  
<https://glite-tutor.ct.infn.it/>





- Проблема: Web сервер, а значит и весь портал запускается с наинизшим уровнем привилегий. Каким же образом он сможет запускать задания для пользователя?
- Наилучший выход – расширение системы делегирования GSI (Grid Security Infrastructure) таким образом, чтобы пользователь мог делегировать права на запуск заданий порталу.
- Сервис MyProxu обеспечивает такое расширение следующим образом:
  - временно сохраняет пользовательские имя/пароль.
  - запускает прокси от имени пользователя.
  - поддерживает отдельный пароль для портала.



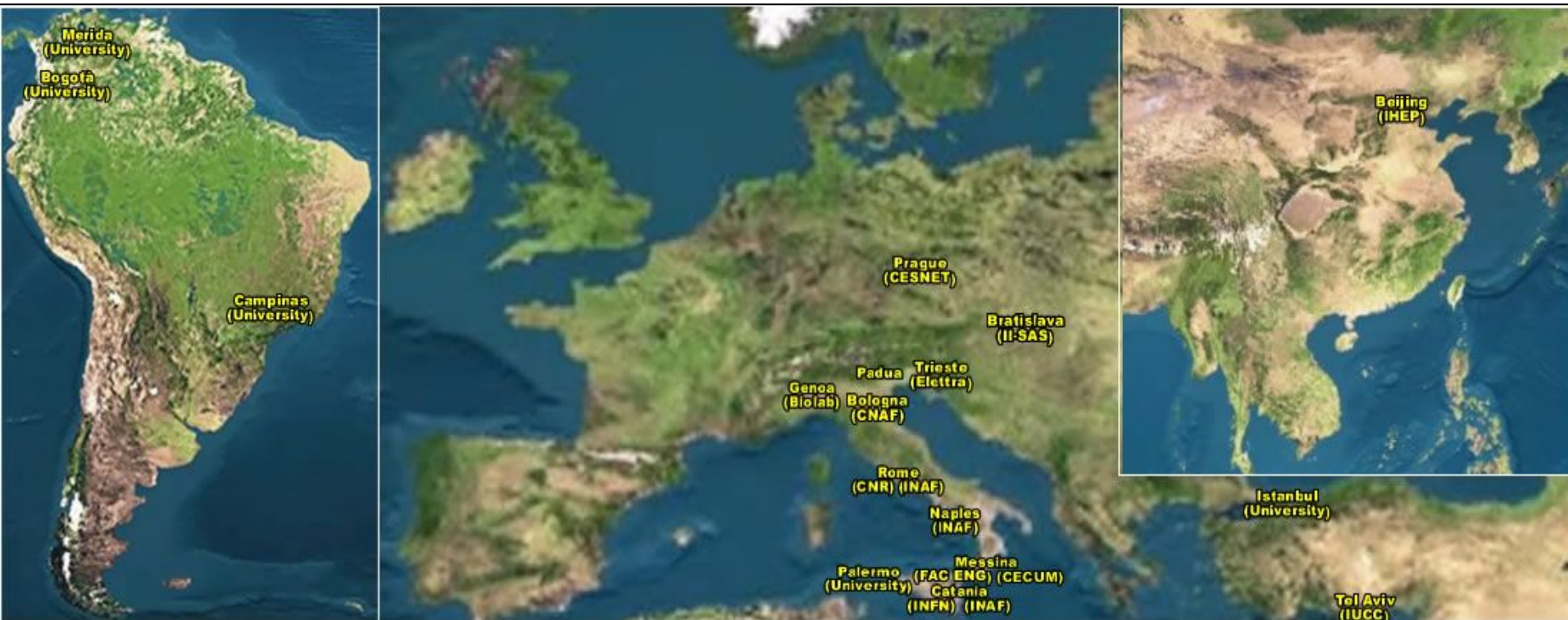
**GILDA (Grid InfN Laboratory for Dissemination Activities)**

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](#).

- **GILDA Testbed** - набор сайтов с установленным ППО LCG/gLite.
- **Grid Demonstrator** - веб-интерфейс GENIUS, позволяющий работать с определенным набором приложений.
- **GILDA CA** - центр сертификации, выдающий 14-дневные сертификаты для работы с GILDA.
- **GILDA VO** - виртуальная организация, объединяющая всех пользователей GILDA.
- **Grid Tutor** - веб-интерфейс GENIUS, используемый для демонстрации возможностей технологии Грид.
- **Monitoring System** - система мониторинга для GILDA Testbed.



20 сайтов на 3 континентах !



The screenshot shows a Mozilla Firefox browser window displaying the GILDA Grid Demonstrator website. The browser's address bar shows the URL <https://glite-demo.ct.infn.it/>. The website header features logos for INFN, eGEE (Enabling Grids for E-science), GENIUS (Grid Enabled web Environment for), site Independent User job Submission, enginframe, and NICE. A left-hand navigation menu lists GENIUS Services including File, Security, Data, Info, and Monitoring. The main content area displays a welcome message: "Welcome to the **GILDA** Grid Demonstrator powered by **GENIUS Portal** based on **GLite**". Below this, there is a "Credits" section with a note about browser compatibility and the enginframe logo. The footer contains a copyright notice for NICE S.r.l. and the URL [glite-demo.ct.infn.it](https://glite-demo.ct.infn.it/).

+

- Не требуется сертификат
- Доступ через браузер
- Предопределённые имя/пароль (не требуется предварительная регистрация)

-

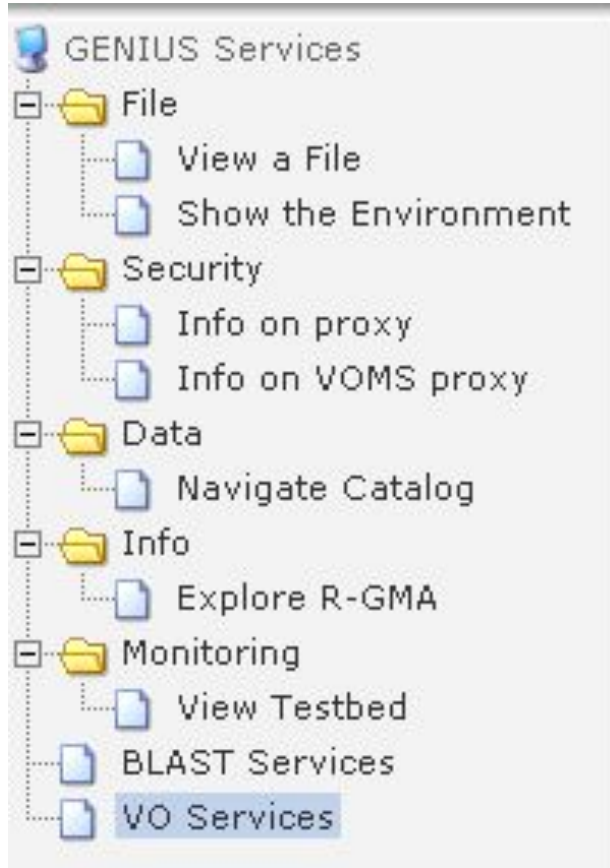
- Работа только с заранее подготовленными задачами и сервисами неполной функциональности (демо-режим)
- Ограниченное время действия MyProxy сертификата

**Login to the GRID**

Username:

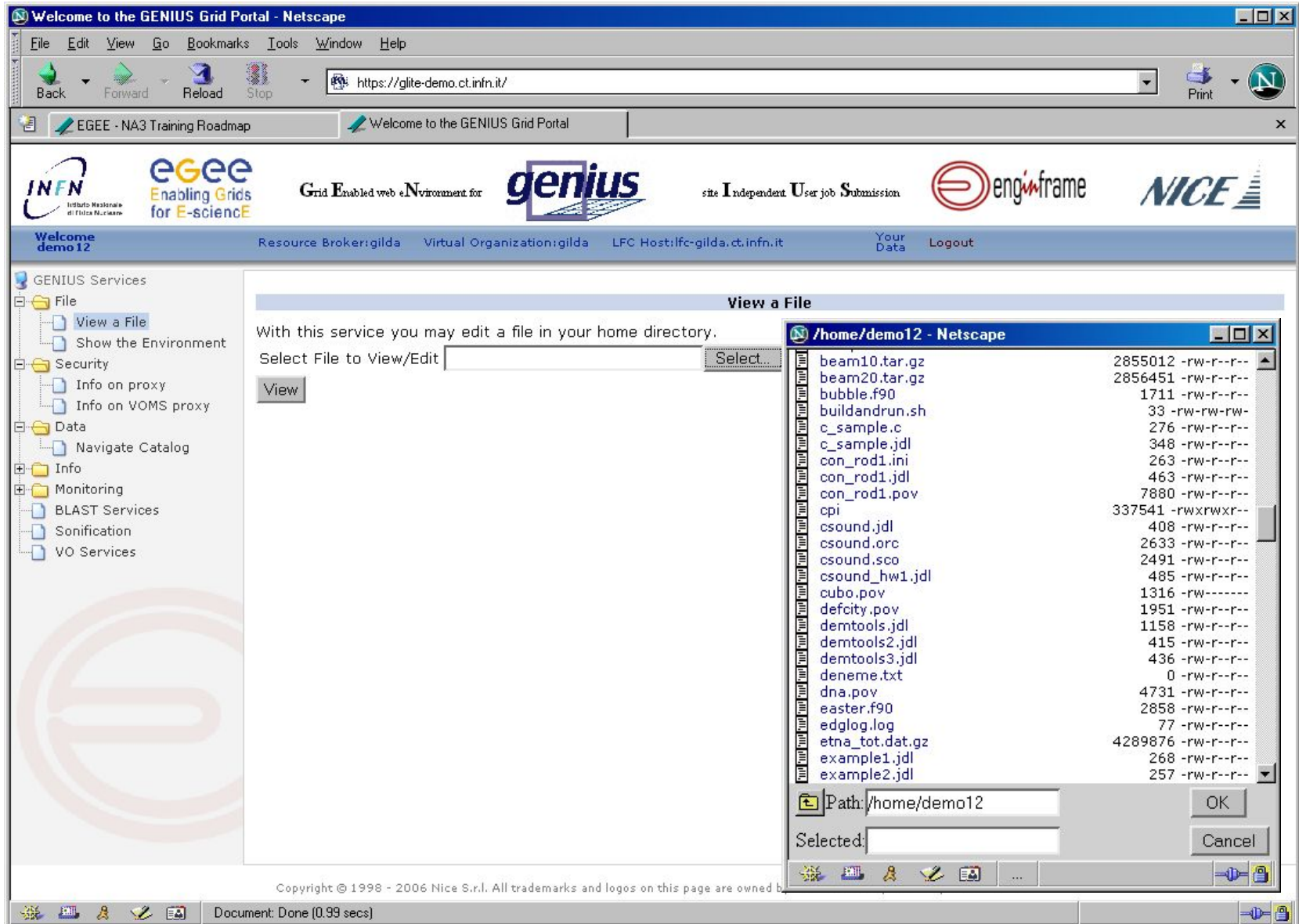
MyProxy Passphrase:

Validity (hours):



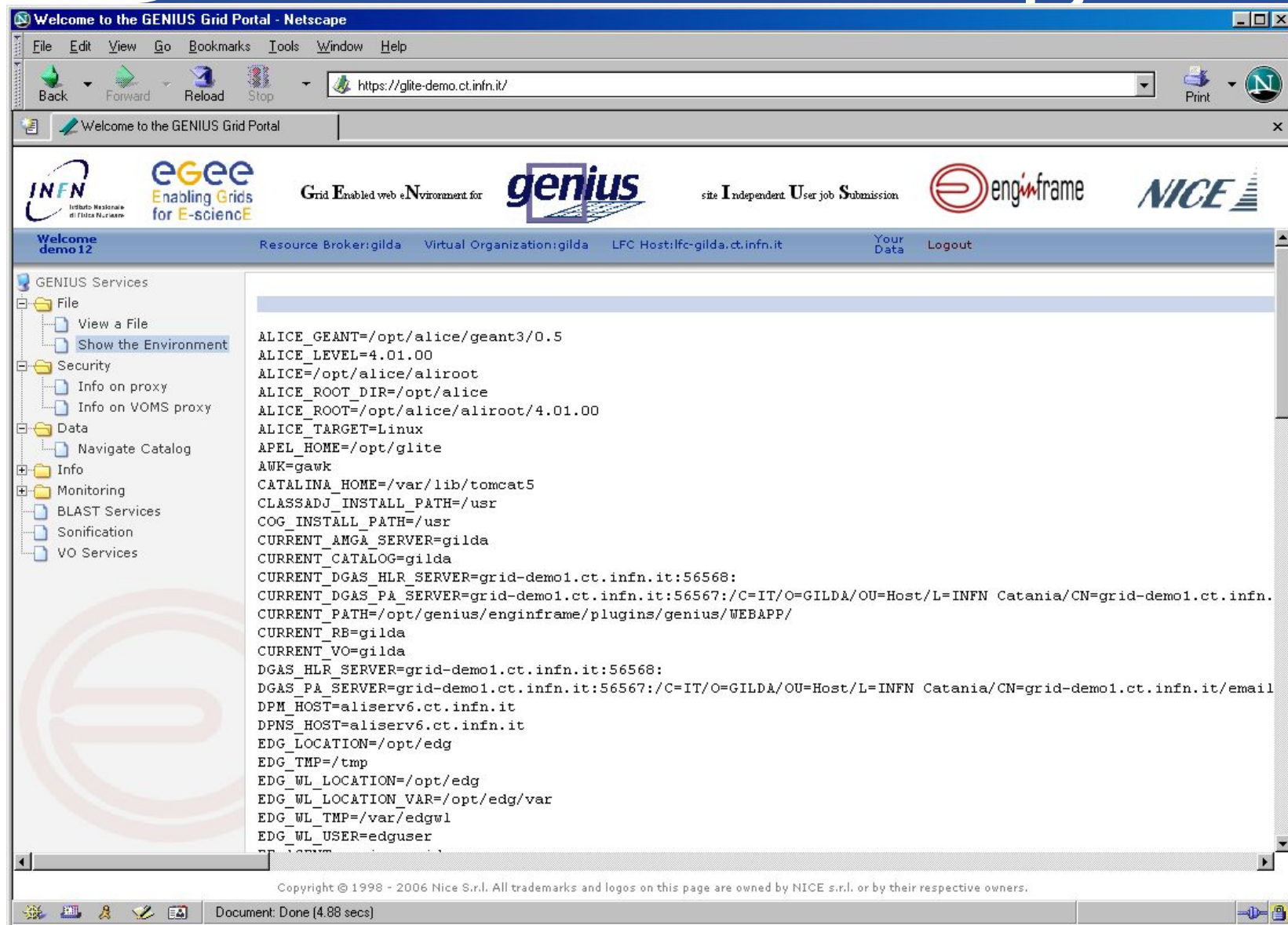
- **Просмотр файлов в HOME директории демо-пользователя**
- **Просмотр переменных окружения**
- **Навигация в пределах директории виртуальной организации GILDA (просмотр и скачивание файлов)**
- **Ссылка на web интерфейс некоторых проектов**





Copyright © 1998 - 2006 Nice S.r.l. All trademarks and logos on this page are owned by

Document: Done (0.99 secs)








Welcome to the GENIUS Grid Portal - Netscape

File Edit View Go Bookmarks Tools Window Help

Back Forward Reload Stop <https://glite-demo.ct.infn.it/> Print

Welcome to the GENIUS Grid Portal

Grid Enabled web eNvironment for **genius** site Independent User job Submission

Welcome demo12 Resource Broker:gilda Virtual Organization:gilda LFC Host:lfc-gilda.ct.infn.it Your Data Logout

GENIUS Services

- File
  - View a File
  - Show the Environment
- Security
  - Info on proxy
  - Info on VOMS proxy
- Data
  - Navigate Catalog
- Info
- Monitoring
- BLAST Services
- Sonification
- VO Services

```

ALICE_GEANT=/opt/alice/geant3/0.5
ALICE_LEVEL=4.01.00
ALICE=/opt/alice/aliroot
ALICE_ROOT_DIR=/opt/alice
ALICE_ROOT=/opt/alice/aliroot/4.01.00
ALICE_TARGET=Linux
APEL_HOME=/opt/glite
AWK=gawk
CATALINA_HOME=/var/lib/tomcat5
CLASSADJ_INSTALL_PATH=/usr
COG_INSTALL_PATH=/usr
CURRENT_AMGA_SERVER=gilda
CURRENT_CATALOG=gilda
CURRENT_DGAS_HLR_SERVER=grid-demo1.ct.infn.it:56568:
CURRENT_DGAS_PA_SERVER=grid-demo1.ct.infn.it:56567:/C=IT/O=GILDA/OU=Host/L=INFN Catania/CN=grid-demo1.ct.infn.
CURRENT_PATH=/opt/genius/enginframe/plugins/genius/WEBAPP/
CURRENT_RB=gilda
CURRENT_VO=gilda
DGAS_HLR_SERVER=grid-demo1.ct.infn.it:56568:
DGAS_PA_SERVER=grid-demo1.ct.infn.it:56567:/C=IT/O=GILDA/OU=Host/L=INFN Catania/CN=grid-demo1.ct.infn.it/email
DPM_HOST=aliserv6.ct.infn.it
DPNS_HOST=aliserv6.ct.infn.it
EDG_LOCATION=/opt/edg
EDG_TMP=/tmp
EDG_WL_LOCATION=/opt/edg
EDG_WL_LOCATION_VAR=/opt/edg/var
EDG_WL_TMP=/var/edgw1
EDG_WL_USER=edguser

```

Copyright © 1998 - 2006 Nice S.r.l. All trademarks and logos on this page are owned by NICE s.r.l. or by their respective owners.

Document: Done [4.88 secs]

Welcome to the GENIUS Grid Portal - Netscape

File Edit View Go Bookmarks Tools Window Help

Back Forward Reload Stop <https://gite-demo.ct.infn.it/> Print

Welcome to the GENIUS Grid Portal

Grid Enabled web eNvironment for **genius** site Independent User job Submission

Welcome demo12 Resource Broker:gilda Virtual Organization:gilda LFC Host:lfc-gilda.ct.infn.it Your Data Logout

GENIUS Services

- File
  - View a File
  - Show the Environment
- Security
  - Info on proxy
  - Info on VOMS proxy
- Data
  - Navigate Catalog
- Info
  - Explore R-GMA
- Monitoring
  - View Testbed
- BLAST Services
- Sonification
- VO Services

**Navigate Catalog**

With this service you can navigate the Catalog of your Virtual Organization

Selected files on Catalog

Select... Clean

Download & View Show Details

**/grid/gilda/training - Netscape**

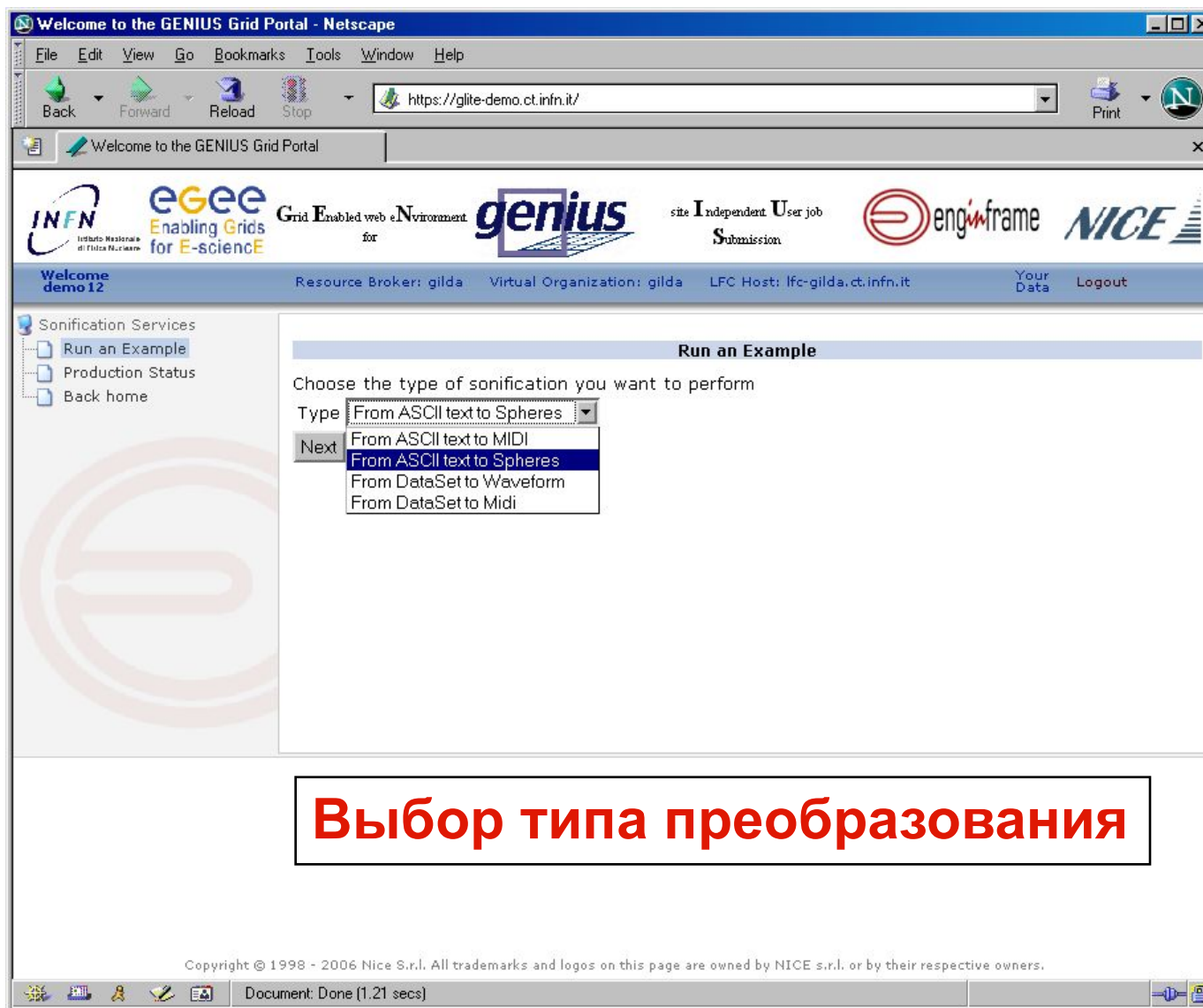
- CERN05
- cern01
- cern02
- cern03
- cern04
- cern06
- cern07
- cern08
- cern09
- cern10
- cern11
- edinburgh02
- edinburgh03
- edinburgh04
- edinburgh06
- edinburgh07
- edinburgh20
- examples

Path:/grid/gilda/training OK

Select all Unselect all Cancel

Copyright © 1998 - 2006 Nice S.r.l. All trademarks and logos on this page are owned by NICE s.r.l. or by their respective owners.

Document: Done (1.04 secs)








Welcome to the GENIUS Grid Portal - Netscape

File Edit View Go Bookmarks Tools Window Help

Back Forward Reload Stop <https://glite-demo.ct.infn.it/> Print

Welcome to the GENIUS Grid Portal

Welcome demo12 Resource Broker: gilda Virtual Organization: gilda LFC Host: lfc-gilda.ct.infn.it Your Data Logout

Sonification Services

- Run an Example
- Production Status
- Back home

**Run an Example**

Choose the type of sonification you want to perform

Type

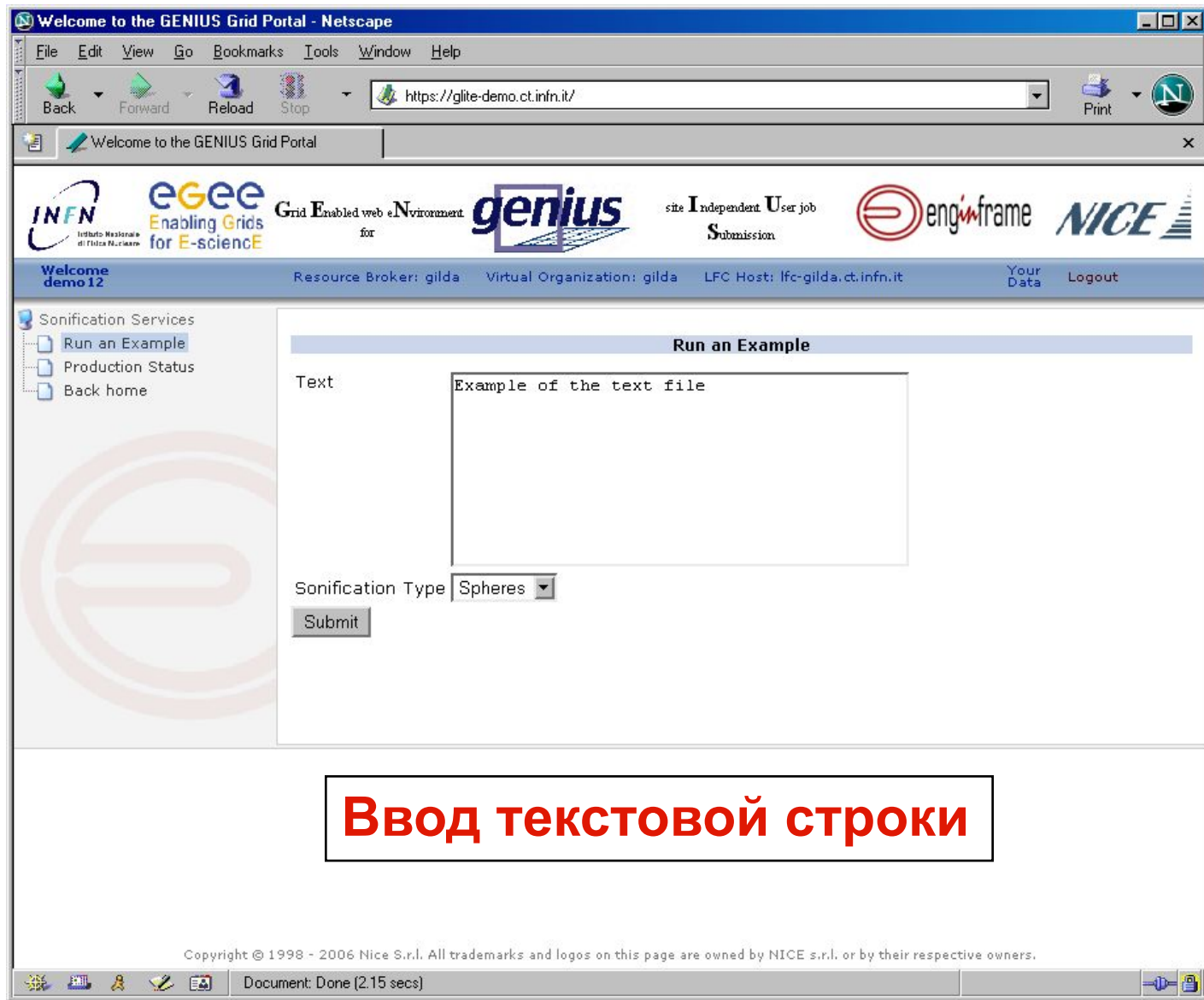
Next

- From ASCII text to Spheres
- From ASCII text to MIDI
- From ASCII text to Spheres
- From DataSet to Waveform
- From DataSet to Midi

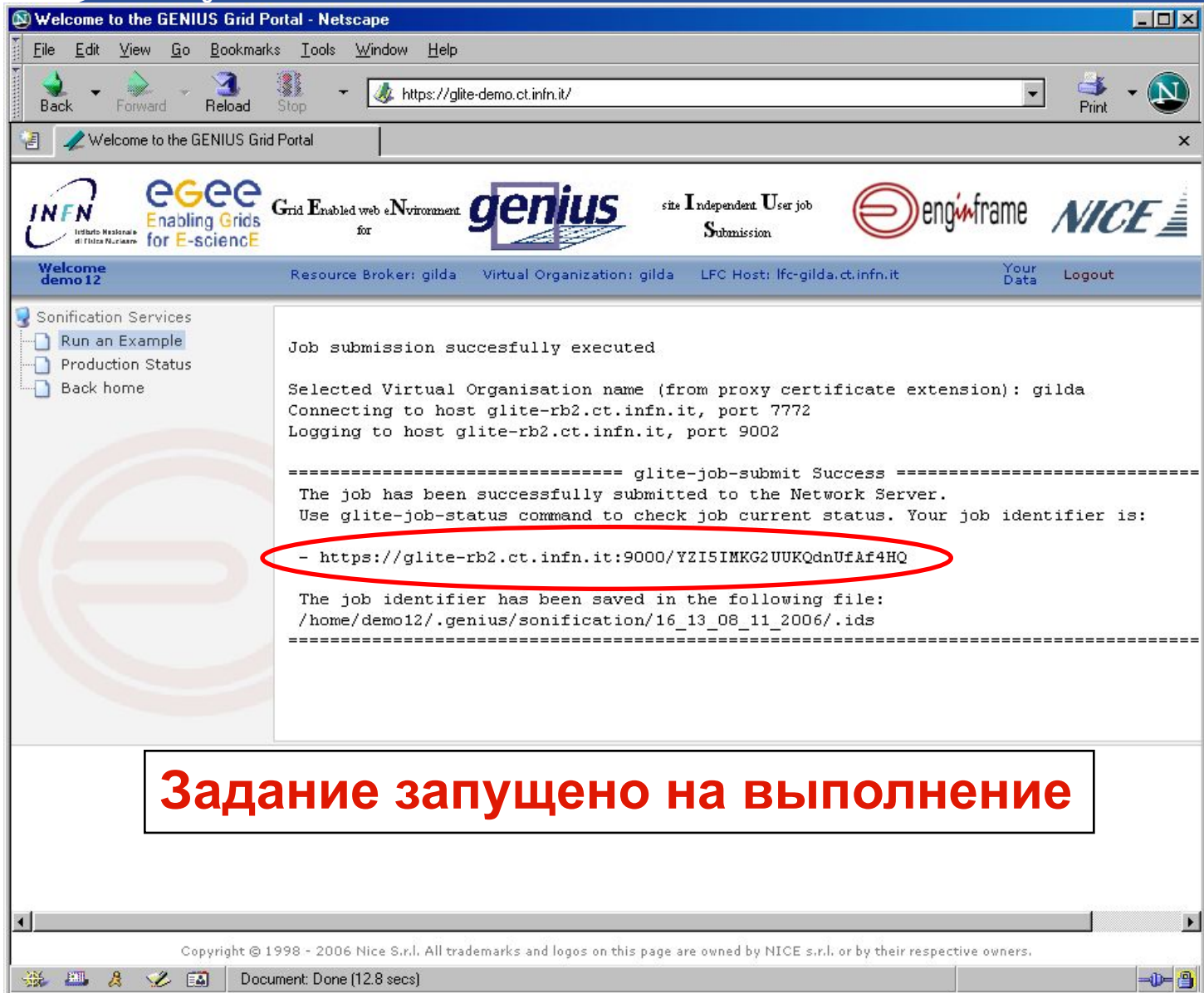
**Выбор типа преобразования**

Copyright © 1998 - 2006 Nice S.r.l. All trademarks and logos on this page are owned by NICE s.r.l. or by their respective owners.

Document: Done (1.21 secs)



**Ввод текстовой строки**








Welcome to the GENIUS Grid Portal - Netscape

File Edit View Go Bookmarks Tools Window Help

Back Forward Reload Stop <https://glite-demo.ct.infn.it/> Print

Welcome to the GENIUS Grid Portal

Welcome demo12 Resource Broker: gilda Virtual Organization: gilda LFC Host: lfc-gilda.ct.infn.it Your Data Logout

Sonification Services

- Run an Example
- Production Status
- Back home

```

Job submission successfully executed.

Selected Virtual Organisation name (from proxy certificate extension): gilda
Connecting to host glite-rb2.ct.infn.it, port 7772
Logging to host glite-rb2.ct.infn.it, port 9002

===== glite-job-submit Success =====
The job has been successfully submitted to the Network Server.
Use glite-job-status command to check job current status. Your job identifier is:
- https://glite-rb2.ct.infn.it:9000/YZISIMKG2UUKQdnUfAf4HQ

The job identifier has been saved in the following file:
/home/demo12/.genius/sonification/16_13_08_11_2006/.ids
    
```

**Задание запущено на выполнение**

Copyright © 1998 - 2006 Nice S.r.l. All trademarks and logos on this page are owned by NICE s.r.l. or by their respective owners.






Document: Done (12.8 secs)

Welcome to the GENIUS Grid Portal - Netscape

File Edit View Go Bookmarks Tools Window Help

Back Forward Reload Stop <https://glite-demo.ct.infn.it/> Print

Welcome to the GENIUS Grid Portal

Grid Enabled web eNvironment for **genius** site Independent User job Submission

Welcome demo 12 Resource Broker: gilda Virtual Organization: gilda LFC Host: lfc-gilda.ct.infn.it Your Data Logout

Sonification Services

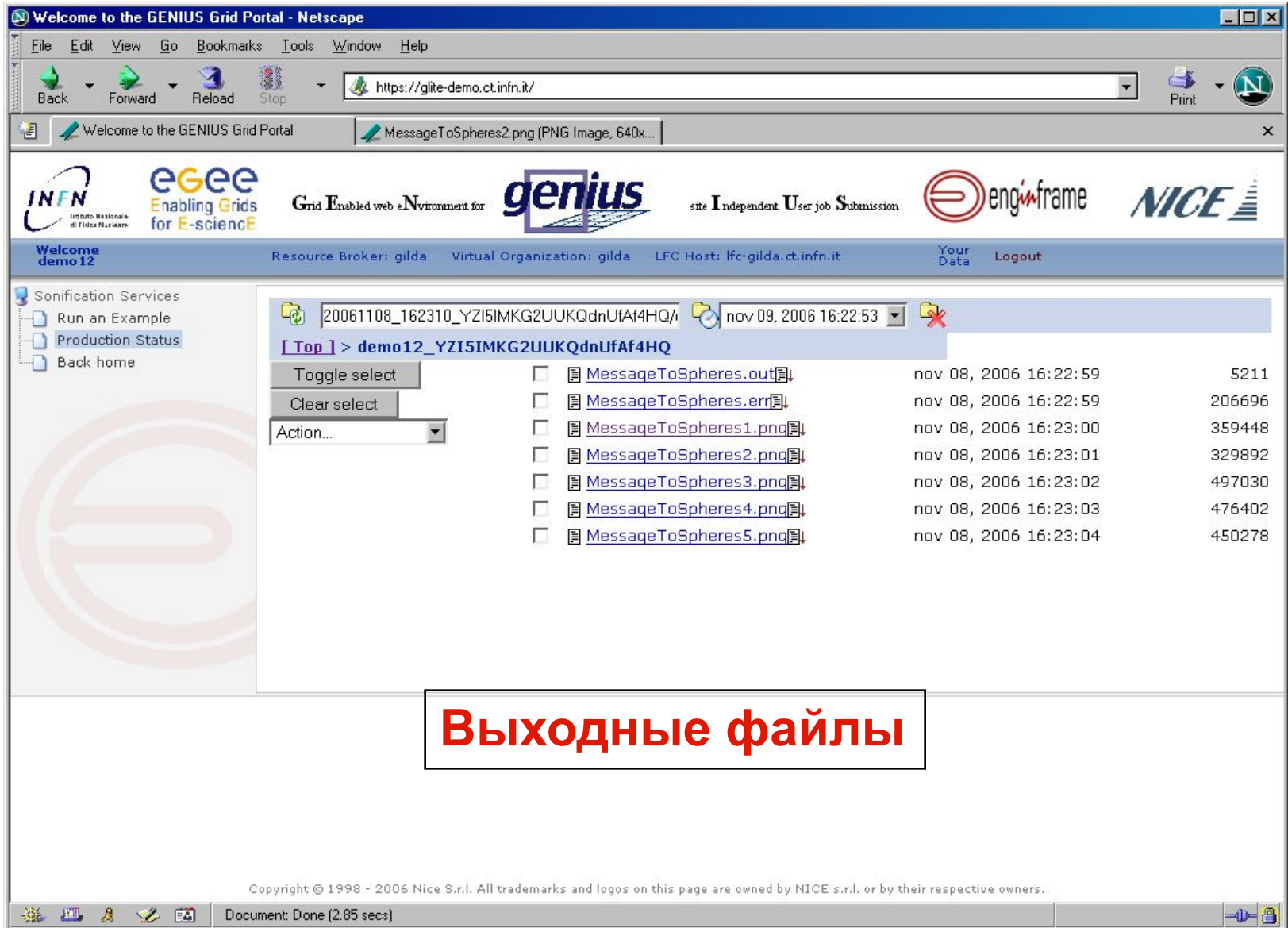
- Run an Example
- Production Status
- Back home

Job Queue						
#	Globus JobID	Last Update Time	Status	Destination	Exit Code	
5	<a href="#">YZI5IMKG2UUKQdnUfAf4HQ</a>	2006 Nov 8 16:13	Done	grid011f.cnaf.infn.it:2119/jobmanager-lcgpbs-short	0	
4	<a href="#">1694IFgTgR6sNOBHYYtwpw</a>	2006 Sep 22 16:38	Done GET OUTPUT	gildace01.roma3.infn.it:2119/jobmanager-lcgpbs-short		
3	<a href="#">rHTTlzgWGGbDjZmAzQVKA</a>	2006 Sep 22 16:25	Cleared	trigrd-ce00.unime.it:2119/jobmanager-lcgpbs-short		
2	<a href="#">4NwGoglc_trUOqyuZ7DWJg</a>	2006 Sep 22 16:23	Aborted	grid010.ct.infn.it:2119/jobmanager-lcgpbs-short		
1	<a href="#">UX2AozCvOt1EoEljXPrnJw</a>	2006 Sep 22 16:21	Aborted	grid011f.cnaf.infn.it:2119/jobmanager-lcgpbs-short		

Задание выполнено, результат доступен

Copyright © 1998 - 2006 Nice S.r.l. All trademarks and logos on this page are owned by NICE s.r.l. or by their respective owners.

Transferring data from glite-demo.ct.infn.it...



20061108\_162310\_YZ15IMKG2UUKQdnUfAf4HQ/ nov 09, 2006 16:22:53

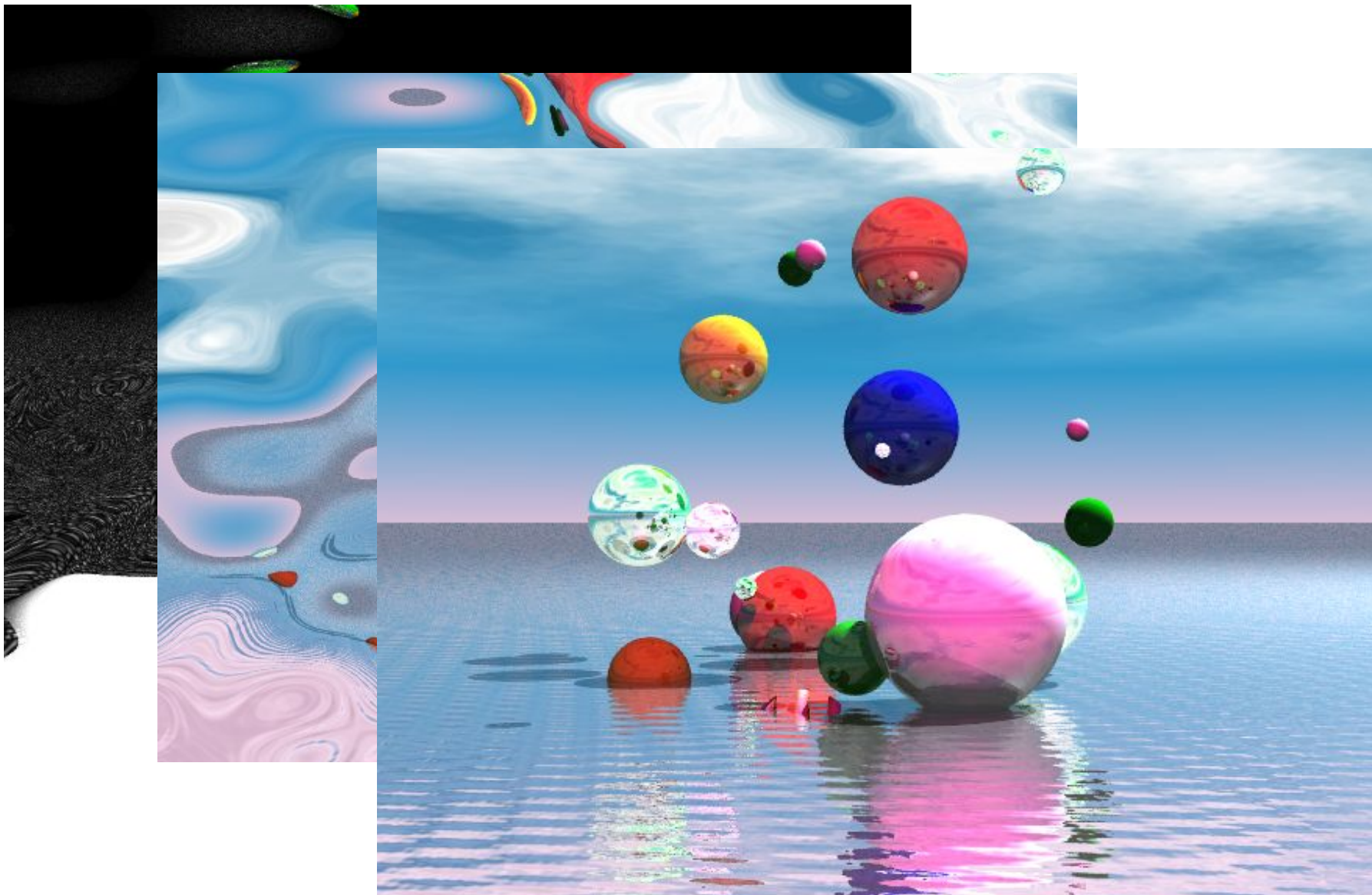
[ Top ] > demo12\_YZ15IMKG2UUKQdnUfAf4HQ

<input type="checkbox"/>	<a href="#">MessageToSpheres.out</a>	nov 08, 2006 16:22:59	5211
<input type="checkbox"/>	<a href="#">MessageToSpheres.err</a>	nov 08, 2006 16:22:59	206696
<input type="checkbox"/>	<a href="#">MessageToSpheres1.png</a>	nov 08, 2006 16:23:00	359448
<input type="checkbox"/>	<a href="#">MessageToSpheres2.png</a>	nov 08, 2006 16:23:01	329892
<input type="checkbox"/>	<a href="#">MessageToSpheres3.png</a>	nov 08, 2006 16:23:02	497030
<input type="checkbox"/>	<a href="#">MessageToSpheres4.png</a>	nov 08, 2006 16:23:03	476402
<input type="checkbox"/>	<a href="#">MessageToSpheres5.png</a>	nov 08, 2006 16:23:04	450278

Copyright © 1998 - 2006 Nice S.r.l. All trademarks and logos on this page are owned by NICE s.r.l. or by their respective owners.

**Выходные файлы**





Welcome to the GENIUS Grid Portal - Mozilla Firefox

Файл Правка Вид Переход Закладки Инструменты Справка

https://glite-demo.ct.infn.it/

Welcome demo01    Resource Broker: gilda    Virtual Organization: gilda    LFC Host: lfc-gilda.ct.infn.it    Your Data    Logout

GILDA Grid Services

- Job Services
  - Job Submission
  - Job Queue
  - Job Data
  - Clean Job Queue
- HadronTherapy Services
  - Job Submission
  - Hadron Job Queue
  - Hadron Job Data
  - Clean Hadron Job Queue
- Raster-3D
  - Generate a Raster Image
  - Show Raster Queue
  - Raster Job Data
  - Clean Raster Queue
- CODESA3D
- EMPIRE
- GA4ts
- GATE
- gMOD
- MAGIC
- NOAH
- PATSEARCH

**Job Submission**

Please, select a Job Type to submit.

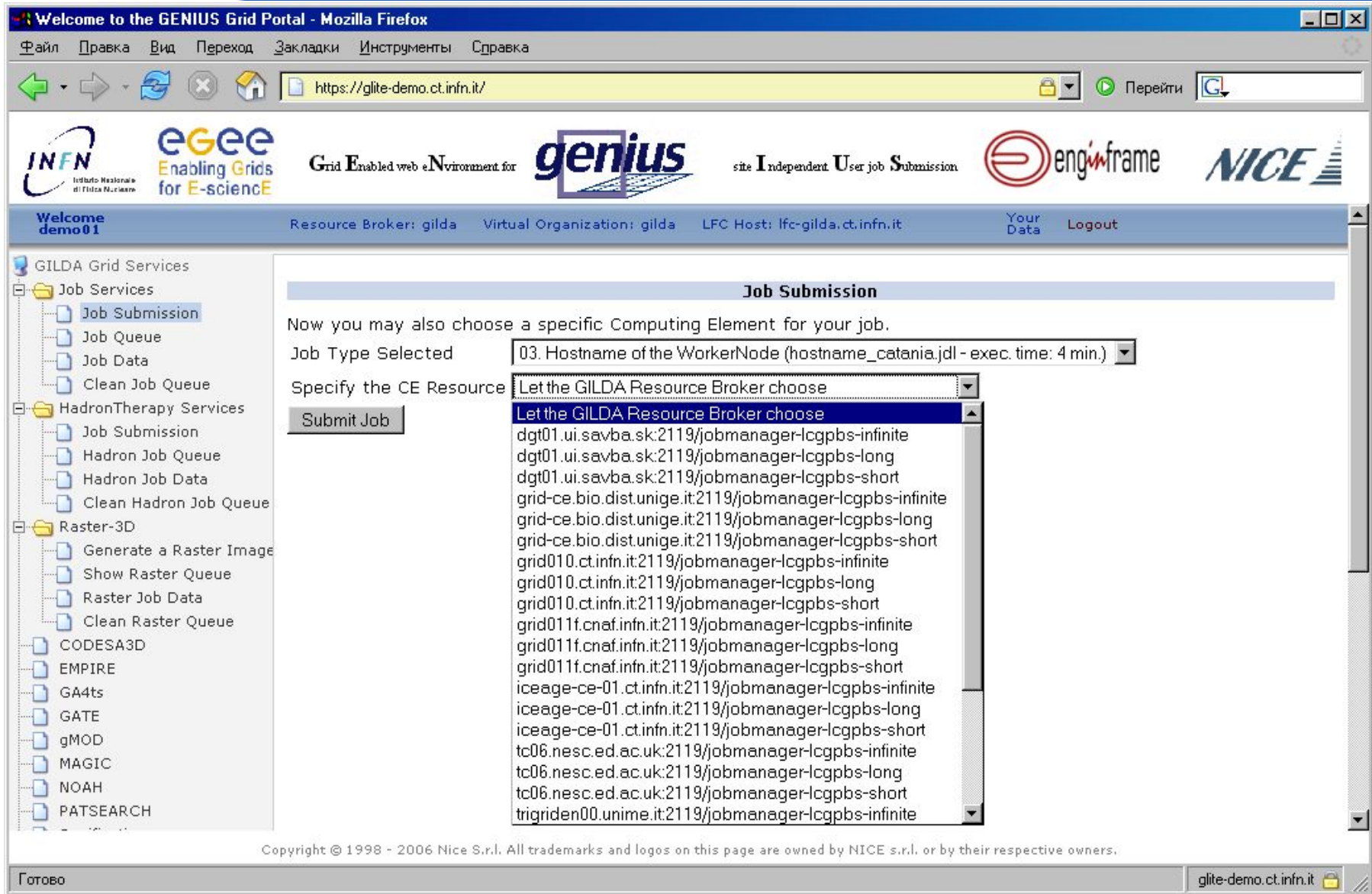
Job Type: 03. Hostname of the WorkerNode (hostname\_catania.jdl - exec. time: 4 min.)

Next

01. Sound Creator (csound.jdl - exec. time: 7 min.)
02. Virtual Reality of 2 Digital Elevation Models (demtools.jdl - exec. time: 5 min.)
03. Hostname of the WorkerNode (hostname\_catania.jdl - exec. time: 4 min.)
04. 3-D rendering of a city (povray\_defcity.jdl - exec. time: 6 min.)
05. 3-D rendering of the human DNA (povray\_dna.jdl - exec. time: 18 min.)
06. 3-D rendering of a human heart (povray\_heart.jdl - exec. time: 7 min.)
07. 3-D rendering of a valve (povray\_valve.jdl - exec. time: 5 min.)
08. Example of MPI parallel job: computation of pi on 4 CPUs (mpi.jdl - exec. time: 12 min.)
09. A simple HelloWorld using a MPI job (helloworld.jdl - exec. time: 4 min.)
10. A Jacopi interaction for approximating the solution of a linear systems of equations (jacopi.jdl - exec. time: 6 min.)

Copyright © 1998 - 2006 Nice S.r.l. All trademarks and logos on this page are owned by NICE s.r.l. or by their respective owners.






Готово    glite-demo.ct.infn.it



Welcome to the GENIUS Grid Portal - Mozilla Firefox

Файл Правка Вид Переход Закладки Инструменты Справка

https://glite-demo.ct.infn.it/

Welcome demo01    Resource Broker: gilda    Virtual Organization: gilda    LFC Host: lfc-gilda.ct.infn.it    Your Data    Logout

**Job Submission**

Now you may also choose a specific Computing Element for your job.

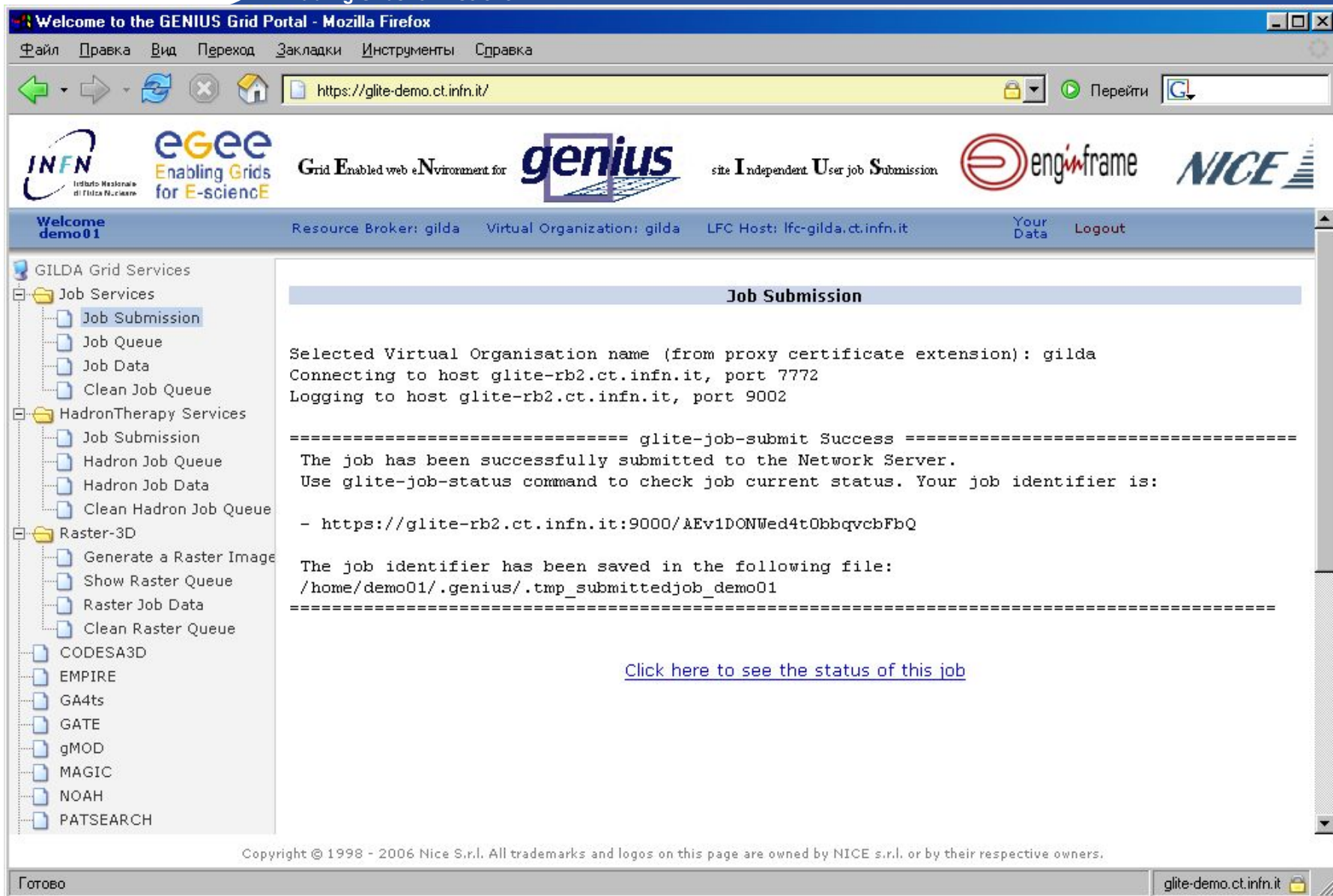
Job Type Selected: 03. Hostname of the WorkerNode (hostname\_catania.jdl - exec. time: 4 min.)

Specify the CE Resource:

- Let the GILDA Resource Broker choose
- dgt01.ui.savba.sk:2119/jobmanager-lcgpbs-infinite
- dgt01.ui.savba.sk:2119/jobmanager-lcgpbs-long
- dgt01.ui.savba.sk:2119/jobmanager-lcgpbs-short
- grid-ce.bio.dist.unige.it:2119/jobmanager-lcgpbs-infinite
- grid-ce.bio.dist.unige.it:2119/jobmanager-lcgpbs-long
- grid-ce.bio.dist.unige.it:2119/jobmanager-lcgpbs-short
- grid010.ct.infn.it:2119/jobmanager-lcgpbs-infinite
- grid010.ct.infn.it:2119/jobmanager-lcgpbs-long
- grid010.ct.infn.it:2119/jobmanager-lcgpbs-short
- grid011f.cnaf.infn.it:2119/jobmanager-lcgpbs-infinite
- grid011f.cnaf.infn.it:2119/jobmanager-lcgpbs-long
- grid011f.cnaf.infn.it:2119/jobmanager-lcgpbs-short
- iceage-ce-01.ct.infn.it:2119/jobmanager-lcgpbs-infinite
- iceage-ce-01.ct.infn.it:2119/jobmanager-lcgpbs-long
- iceage-ce-01.ct.infn.it:2119/jobmanager-lcgpbs-short
- tc06.nesc.ed.ac.uk:2119/jobmanager-lcgpbs-infinite
- tc06.nesc.ed.ac.uk:2119/jobmanager-lcgpbs-long
- tc06.nesc.ed.ac.uk:2119/jobmanager-lcgpbs-short
- trigriden00.unime.it:2119/jobmanager-lcgpbs-infinite

Copyright © 1998 - 2006 Nice S.r.l. All trademarks and logos on this page are owned by NICE s.r.l. or by their respective owners.






Готово    glite-demo.ct.infn.it



Welcome to the GENIUS Grid Portal - Mozilla Firefox

Файл Правка Вид Переход Закладки Инструменты Справка

https://glite-demo.ct.infn.it/ Перейти

Welcome demo01 Resource Broker: gilda Virtual Organization: gilda LFC Host: lfc-gilda.ct.infn.it Your Data Logout

GILDA Grid Services

- Job Services
  - Job Submission
  - Job Queue
  - Job Data
  - Clean Job Queue
- HadronTherapy Services
  - Job Submission
  - Hadron Job Queue
  - Hadron Job Data
  - Clean Hadron Job Queue
- Raster-3D
  - Generate a Raster Image
  - Show Raster Queue
  - Raster Job Data
  - Clean Raster Queue
- CODESA3D
- EMPIRE
- GA4ts
- GATE
- gMOD
- MAGIC
- NOAH
- PATSEARCH

### Job Submission

Selected Virtual Organisation name (from proxy certificate extension): gilda  
 Connecting to host glite-rb2.ct.infn.it, port 7772  
 Logging to host glite-rb2.ct.infn.it, port 9002

===== glite-job-submit Success =====

The job has been successfully submitted to the Network Server.  
 Use glite-job-status command to check job current status. Your job identifier is:

- https://glite-rb2.ct.infn.it:9000/AEv1DONWed4t0bbqvcbFbQ

The job identifier has been saved in the following file:  
 /home/demo01/.genius/.tmp\_submittedjob\_demo01

=====

[Click here to see the status of this job](#)

Copyright © 1998 - 2006 Nice S.r.l. All trademarks and logos on this page are owned by NICE s.r.l. or by their respective owners.

Готово glite-demo.ct.infn.it

Welcome to the GENIUS Grid Portal - Mozilla Firefox

Файл Правка Вид Переход Закладки Инструменты Справка

https://glite-demo.ct.infn.it/ Перейти

Welcome demo01    Resource Broker: gilda    Virtual Organization: gilda    LFC Host: lfc-gilda.ct.infn.it    Your Data    Logout

GILDA Grid Services

- Job Services
  - Job Submission
  - Job Queue
  - Job Data
  - Clean Job Queue
- HadronTherapy Services
  - Job Submission
  - Hadron Job Queue
  - Hadron Job Data
  - Clean Hadron Job Queue
- Raster-3D
  - Generate a Raster Image
  - Show Raster Queue
  - Raster Job Data
  - Clean Raster Queue
- CODESA3D
- EMPIRE
- GA4ts
- GATE
- gMOD
- MAGIC
- NOAH

### Job Queue

#	Globus JobID	Last Update Time	Status	Destination	Exit Code	Name
1	AEv1DONWed4t0bbqvcbFbQ	2006 Nov 7 14:52	Running	tc06.nesc.ed.ac.uk:2119/jobmanager-lcgpbs-short		hostname_catania.jdl

**Details**

**Submission:**

- Job manager: genius
- Time: 2006 Nov 7 14:52
- Host:
- Directory:

**Execution:**

- Time:
- Host: tc06.nesc.ed.ac.uk:2119/jobmanager-lcgpbs-short
- Directory:






Copyright © 1998 - 2006 Nice S.r.l. All trademarks and logos on this page are owned by NICE s.r.l. or by their respective owners.

Готово glite-demo.ct.infn.it

Welcome to the GENIUS Grid Portal - Mozilla Firefox

Файл Правка Вид Переход Закладки Инструменты Справка

https://glite-demo.ct.infn.it/ Перейти

Welcome demo01 Resource Broker: gilda Virtual Organization: gilda LFC Host: lfc-gilda.ct.infn.it Your Data Logout

GILDA Grid Services

- Job Services
  - Job Submission
  - Job Queue**
  - Job Data
  - Clean Job Queue
- HadronTherapy Services
  - Job Submission
  - Hadron Job Queue
  - Hadron Job Data
  - Clean Hadron Job Queue
- Raster-3D
  - Generate a Raster Image
  - Show Raster Queue
  - Raster Job Data
  - Clean Raster Queue
- CODESA3D
- EMPIRE
- GA4ts
- GATE
- gMOD
- MAGIC
- NOAH

**Job Queue**

#	Globus JobID	Last Update Time	Status	Destination	Exit Code	Name
1	<a href="#">AEv1DONWed4t0bbqvcbFbQ</a>	2006 Nov 7 14:52	Done	tc06.nesc.ed.ac.uk:2119/jobmanager-lcgpbs-short	0	hostname_catania

[Details](#)

GET OUTPUT

**[[Приложение JavaScript]]**

Do you really want to get output of job  
https://glite-rb2.ct.infn.it:9000/AEv1DONWed4t0bbqvcbFbQ?

OK Отмена






Copyright © 1998 - 2006 Nice S.r.l. All trademarks and logos on this page are owned by NICE s.r.l. or by their respective owners.

Готово glite-demo.ct.infn.it

Welcome to the GENIUS Grid Portal - Mozilla Firefox

Файл Правка Вид Переход Закладки Инструменты Справка

https://glite-demo.ct.infn.it/ Перейти

Welcome demo01    Resource Broker: gilda    Virtual Organization: gilda    LFC Host: lfc-gilda.ct.infn.it    Your Data    Logout

GILDA Grid Services

- Job Services
  - Job Submission
  - Job Queue
  - Job Data
  - Clean Job Queue
- HadronTherapy Services
  - Job Submission
  - Hadron Job Queue
  - Hadron Job Data
  - Clean Hadron Job Queue
- Raster-3D
  - Generate a Raster Image
  - Show Raster Queue
  - Raster Job Data
  - Clean Raster Queue
- CODESA3D
- EMPIRE
- GA4ts
- GATE
- gMOD
- MAGIC
- NOAH
- PATSEARCH

20061107_150021_AEv1DONWed4t0bbqvcbF	nov 08, 2006 15:00:10	
<input type="checkbox"/> demo01_AEv1DONWed4t0bbqvcbFbQ	nov 07, 2006 15:00:15	4096

       Action...






Copyright © 1998 - 2006 Nice S.r.l. All trademarks and logos on this page are owned by NICE s.r.l. or by their respective owners.

Готово    glite-demo.ct.infn.it

Welcome to the GENIUS Grid Portal - Mozilla Firefox

Файл Правка Вид Переход Закладки Инструменты Справка

https://glite-demo.ct.infn.it/

Welcome demo01 Resource Broker: gilda Virtual Organization: gilda LFC Host: lfc-gilda.ct.infn.it Your Data Logout

GILDA Grid Services

- Job Services
  - Job Submission
  - Job Queue
  - Job Data
  - Clean Job Queue
- HadronTherapy Services
  - Job Submission
  - Hadron Job Queue
  - Hadron Job Data
  - Clean Hadron Job Queue
- Raster-3D
  - Generate a Raster Image
  - Show Raster Queue
  - Raster Job Data
  - Clean Raster Queue
- CODESA3D
- EMPIRE
- GA4ts
- GATE
- gMOD
- MAGIC
- NOAH
- PATSEARCH

20061107\_150021\_AEv1DONWed4t0bbqvcbFbC nov 08, 2006 15:00:10

[ Top ] > demo01\_AEv1DONWed4t0bbqvcbFbQ

Toggle select  [hostname.err](#) nov 07, 2006 15:00:14 0

Clear select  [hostname.out](#) nov 07, 2006 15:00:15 19

Action...

Copyright © 1998 - 2006 Nice S.r.l. All trademarks and logos on this page are owned by NICE s.r.l. or by their respective owners.




Готово glite-demo.ct.infn.it



Welcome to the GENIUS Grid Portal - Mozilla Firefox

Файл Правка Вид Переход Закладки Инструменты Справка

https://glite-demo.ct.infn.it/

Grid Enabled web eNvironment for **genius** site Independent User job Submission

[tc08.nesc.ed.ac.uk](https://tc08.nesc.ed.ac.uk)






Copyright © 1998 - 2006 Nice S.r.l. All trademarks and logos on this page are owned by NICE s.r.l. or by their respective owners.

Готово glite-demo.ct.infn.it

Welcome to the GENIUS Grid Portal - Mozilla Firefox

Файл Правка Вид Переход Закладки Инструменты Справка

https://glite-demo.ct.infn.it/ Перейти


Welcome demo01    Resource Broker: gilda    Virtual Organization: gilda    LFC Host: lfc-gilda.ct.infn.it    Your Data    Logout


GILDA Grid Services

- Job Services
  - Job Submission
  - Job Queue
  - Job Data
  - Clean Job Queue
- HadronTherapy Services
  - Job Submission
  - Hadron Job Queue
  - Hadron Job Data
  - Clean Hadron Job Queue
- Raster-3D
  - Generate a Raster Image
  - Show Raster Queue
  - Raster Job Data
  - Clean Raster Queue
- CODESA3D
- EMPIRE
- GA4ts
- GATE
- gMOD
- MAGIC
- NOAH
- PATSEARCH

[ 20061107\_150021\_AEv1DONWed4t0bbqvcbFbC ]    nov 08, 2006 15:00:10

[ Top ] > demo01\_AEv1DONWed4t0bbqvcbFbQ

Toggle select         hostname.errf    nov 07, 2006 15:00:14    0

Clear select         hostname.outf    nov 07, 2006 15:00:15    19

Action...  
 Action...  
 Delete selected  
 Create .zip  
 Create .tar  
 Create .tar.Z  
 Create .tgz  
 Download selected

Copyright © 1998 - 2006 Nice S.r.l. All trademarks and logos on this page are owned by NICE s.r.l. or by their respective owners.

Готово    glite-demo.ct.infn.it