How to join GILDA

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INFN

gLite Tutorial at the First EGEE User Forum
CERN, 27-28.02.2006

Gilda Home

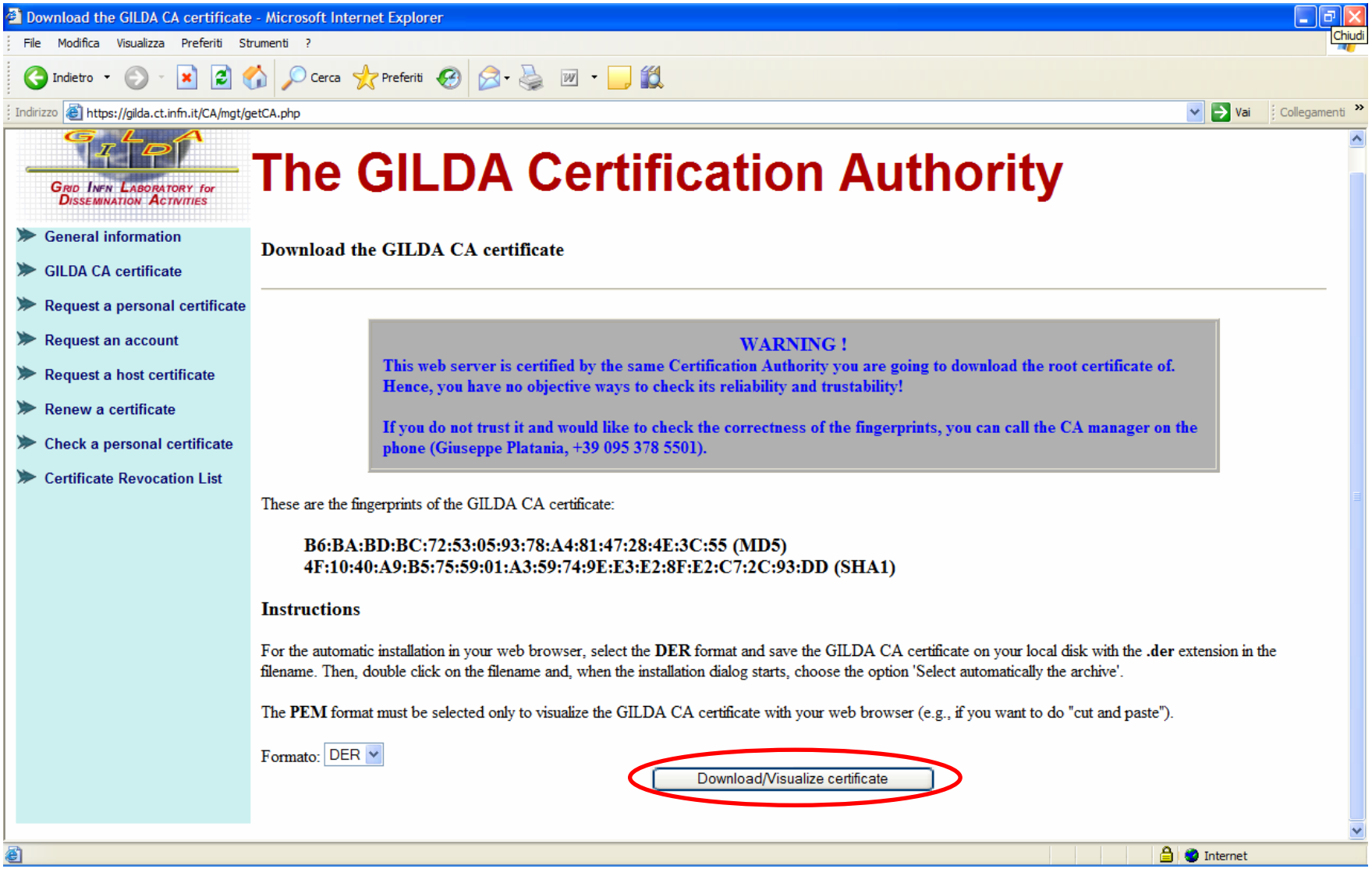
- https://gilda.ct.infn.it

Instructions

Download the Gilda CA Certificate

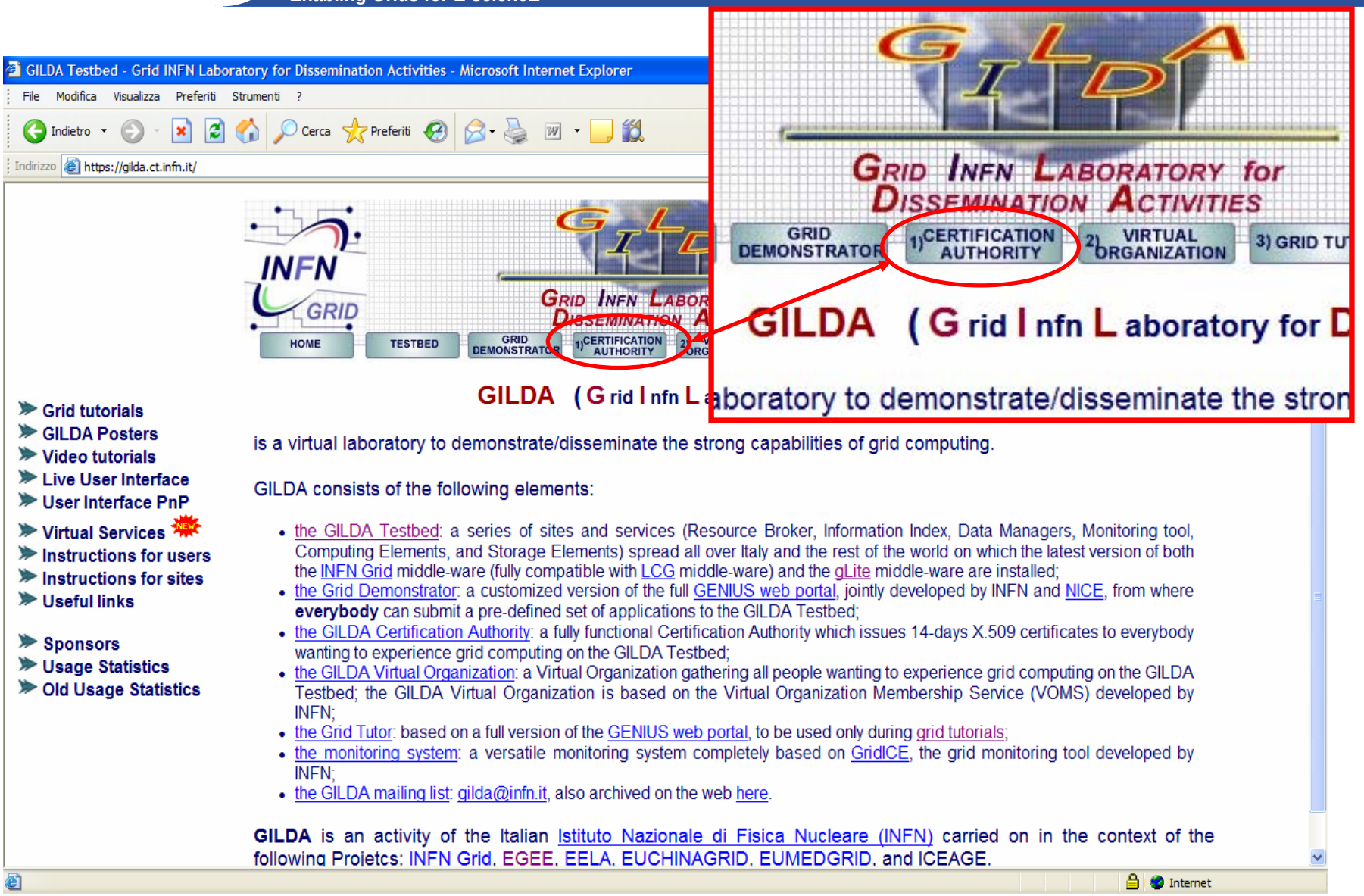
Enabling Grids for E-sciencE

- https://gilda.ct.infn.it/CA/mgt/getCA.php



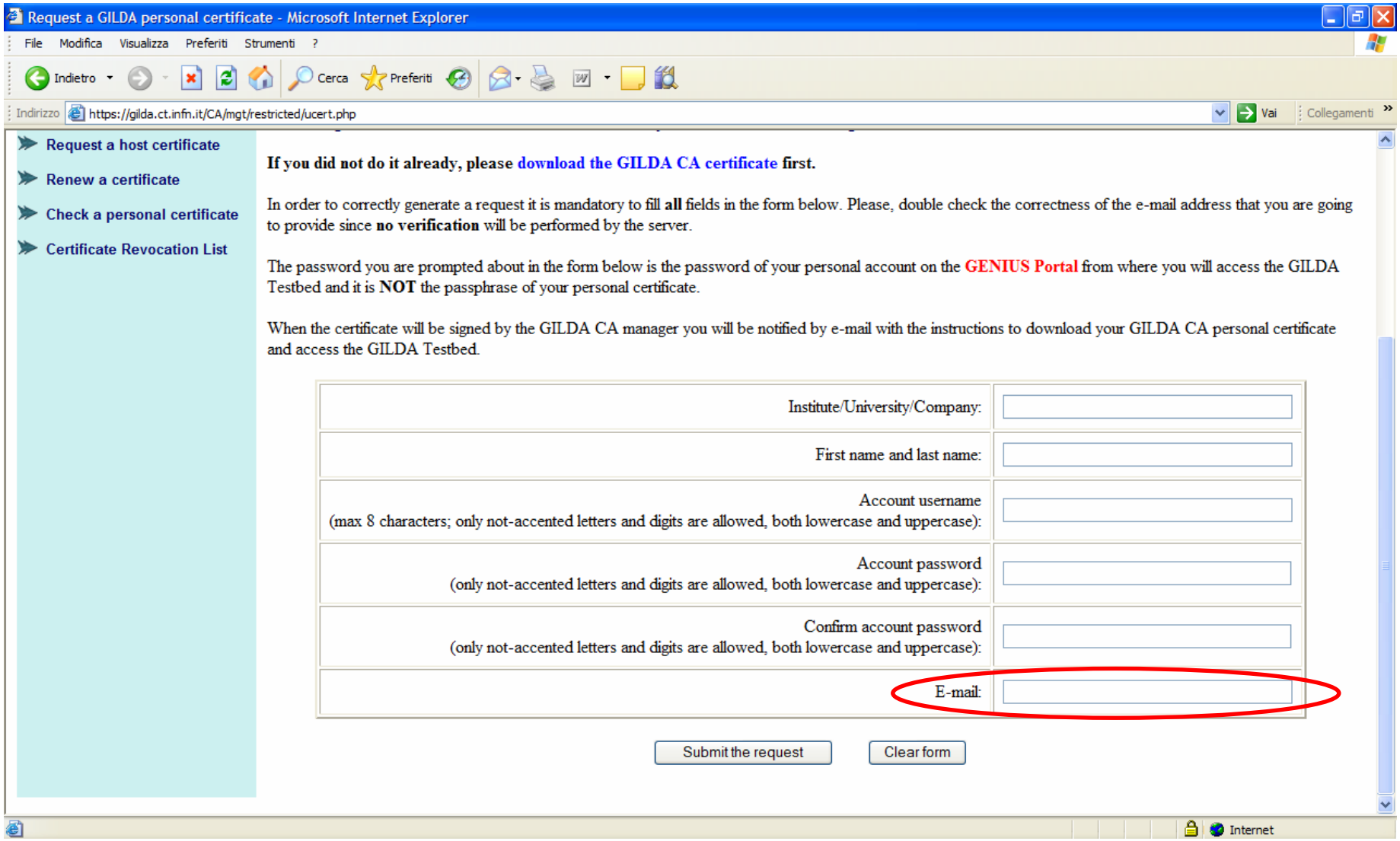
Getting a Personal Certificate (1/5)

Enabling Grids for E-sciencE



Getting a Personal Certificate (2/5)

Getting a Personal Certificate (3/5)



Getting a Personal Certificate (4/5)

- An e-mail will come to the address specified in the previous form.

From: GILDA-CA <gilda-ca@ct.infn.it>
To: <email specified in the request form>
Subject: GILDA Personal Certificate for <username>

```
Dear User,

you can download your GILDA Personal Certificate going,
*with the same browser you used to submit the request*,
to the URL:

   https://gilda.ct.infn.it/cgi-bin/gucert.pl?0A44

Your certificate is valid for $CERTIFICATE_DAYS_VALUE days.
After that you can go to:

https://voms.ct.infn.it:8443/voms/gilda/webui/request/user/create

and register to the GILDA VOMS (usually, registration takes a working day).

Then, you can go to the GILDA Grid Demonstrator at the URL:
https://grid-demo.ct.infn.it

or, if you are participating to a tutorial or an induction course,
to the GILDA Grid Tutor at the URL:

https://grid-tutor.ct.infn.it (for LCG) or https://glite-tutor.ct.infn.it (for gLite)

Remember that:

1) whenever you are prompted for the Operating System, use the username
and the password you have chosen when you requested the GILDA
Personal Certificate as username and as password;

2) whenever you are prompted for the GRID username and password
and the passphrase of your GILDA Personal Certificate as password.
Best Regards

The GILDA CA Manager

GILDA Certification Authority
          Tel: +39 095 378 5469
          Fax: +39 095 378 5231
          Via S. Sofia, 64
          I-95123 Catania
          ITALY
http://gilda.ct.infn.it/CA/
```

Just click on this link to obtain the certificate

Getting a Personal Certificate (5/5)

- A blank web page will be prompted warning you that a new Certificate is now available on the list of browser certificates.
- Be sure that during these steps the used browser is the same!
- At this stage you have to export your certificate and store it in a secure place.
- The procedure to export certificates depends on the web browser used.
- Certificate file extension depends on the web browser used (*.p12 for Mozilla/Netscape/FireFox and *.pfx for Internet Explorer).
- Certificate has to be converted to the *.pem format understood by the gLite Security system (see slide 15)

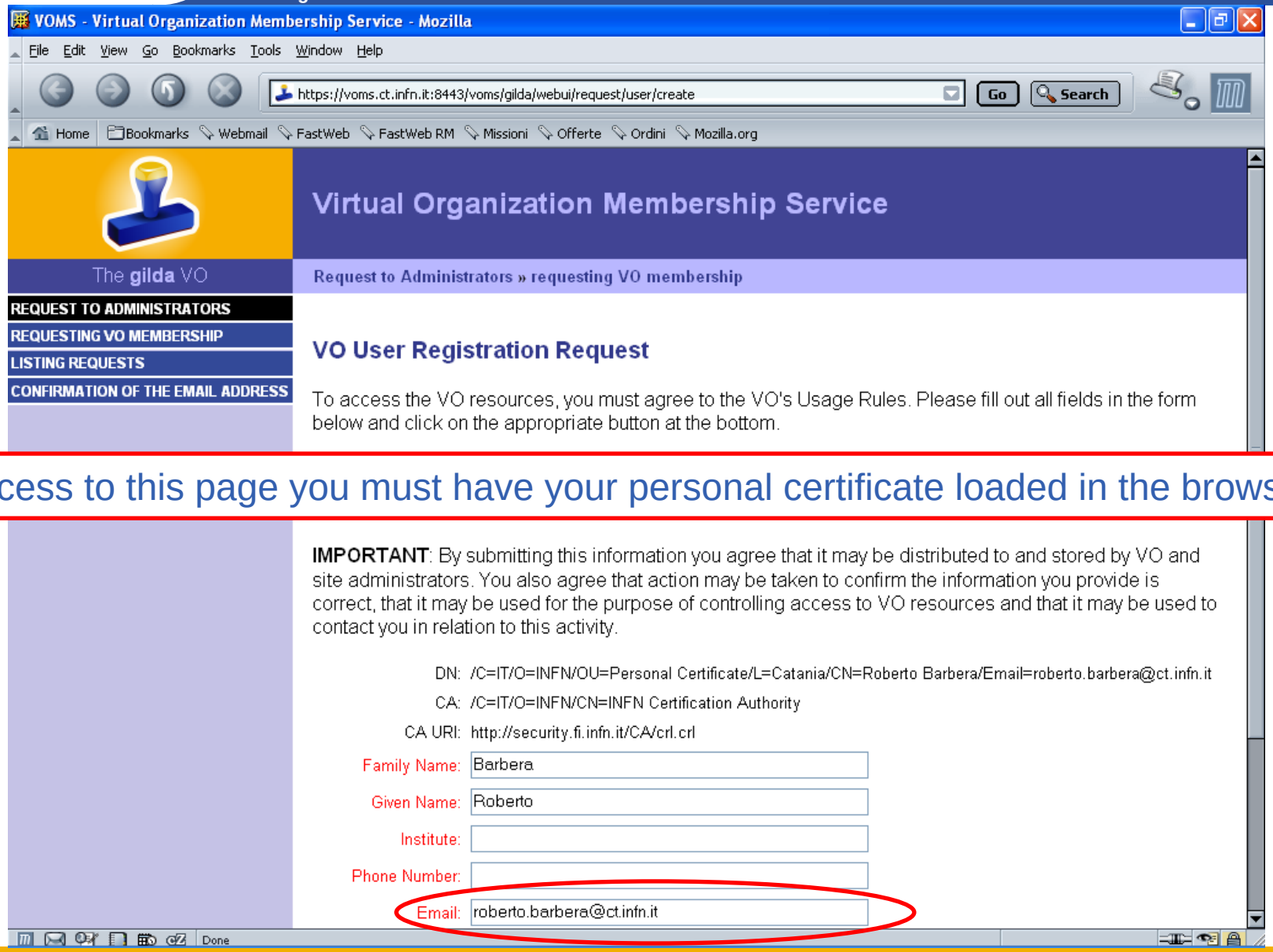
Registering to VOMS (1/5)

- A e-mail will come to the e-mail address specified in the previous form.

```
Dear User,

you can download your GILDA Personal Certificate going,
*with the same browser you used to submit the request*,
to the URL:

    https://gilda.ct.infn.it/cgi-bin/gucert.pl?0A44

Your certificate is valid for 365 days.
After that you can go to:

https://voms.ct.infn.it:8443/voms/gilda/webui/request/user/create

and register to the GILDA VO (usually, registration takes a working day).

Then, you can go to the GILDA Grid Demonstrator at the URL:

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

or, if you are participating to a tutorial or an induction course,
to the GILDA Grid Tutor at the URL:

https://grid-tutor.ct.infn.it or https://grid-tutor1.ct.infn.it

Remember that:

1) whenever you are prompted for the Operating System, use the username
and the password you have chosen when you requested the GILDA
Personal Certificate as username and as password;

2) whenever you are prompted for the GRID username and password
and the passphrase of your GILDA Personal Certificate as password.

Best Regards
The GILDA CA Manager
…
```

Just click on this link to register with VOMS

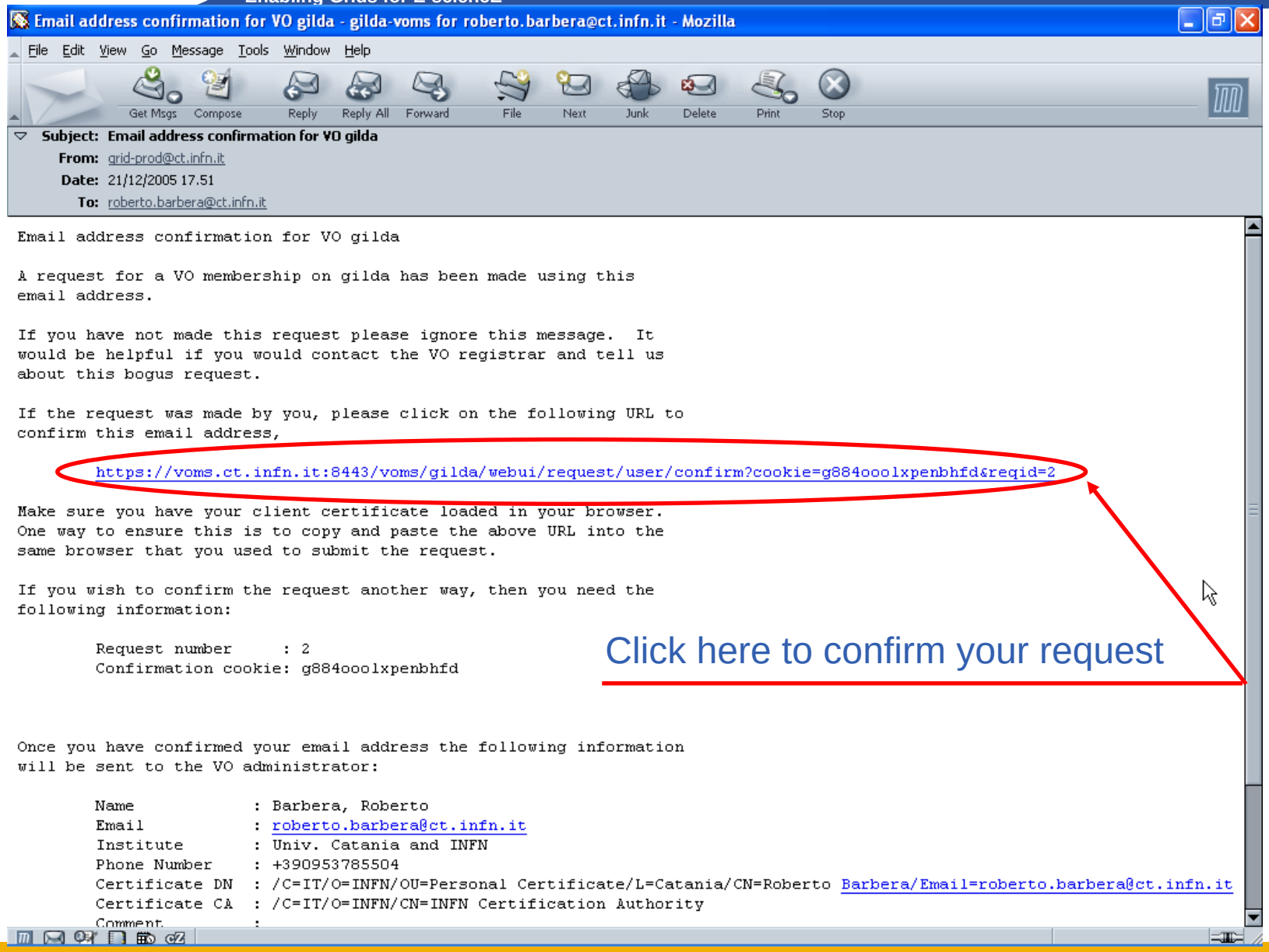
Registering to VOMS (2/5)



To access to this page you must have your personal certificate loaded in the browser

Registering to VOMS (3/5)

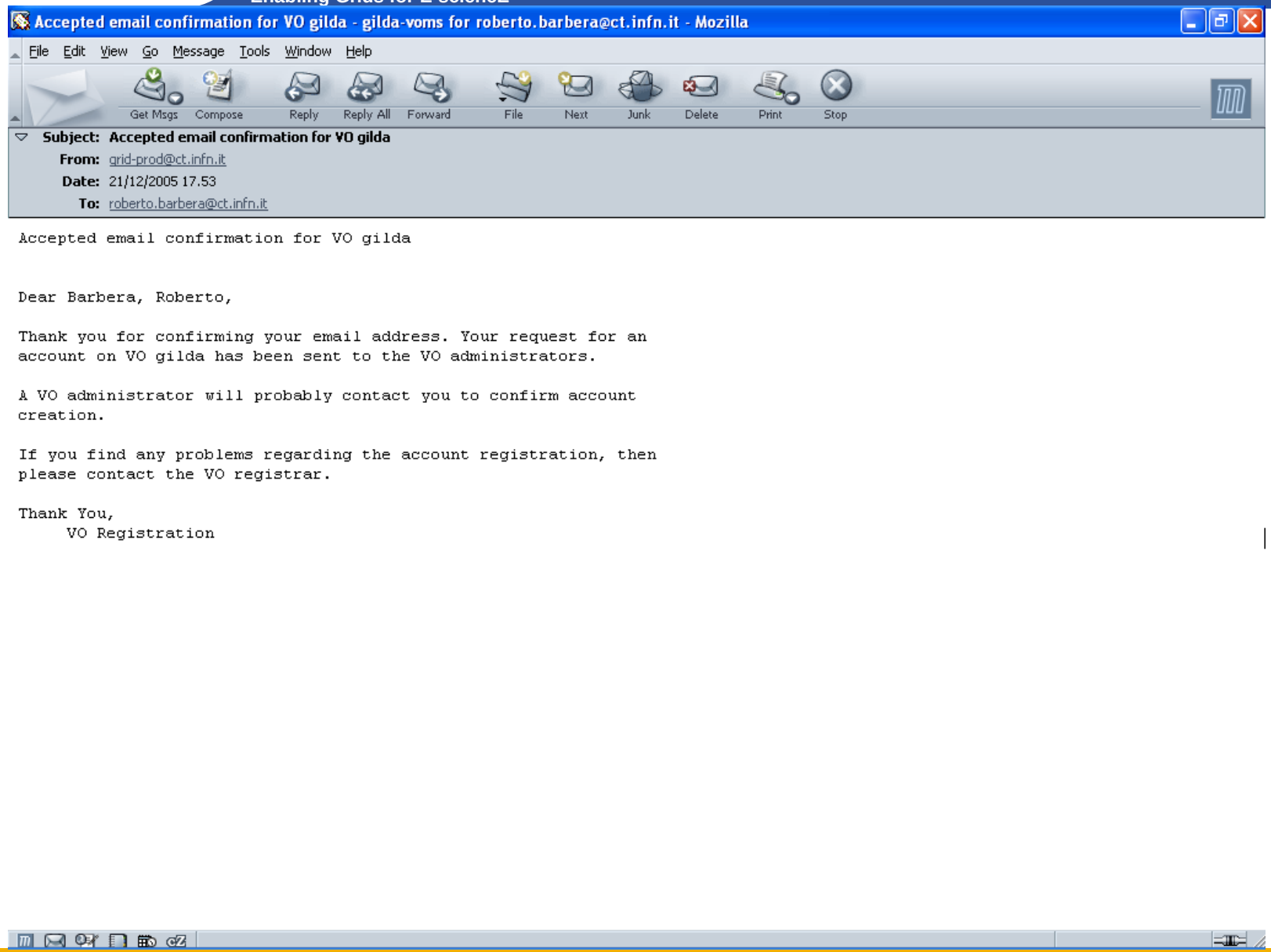
Enabling Grids for E-sciencE



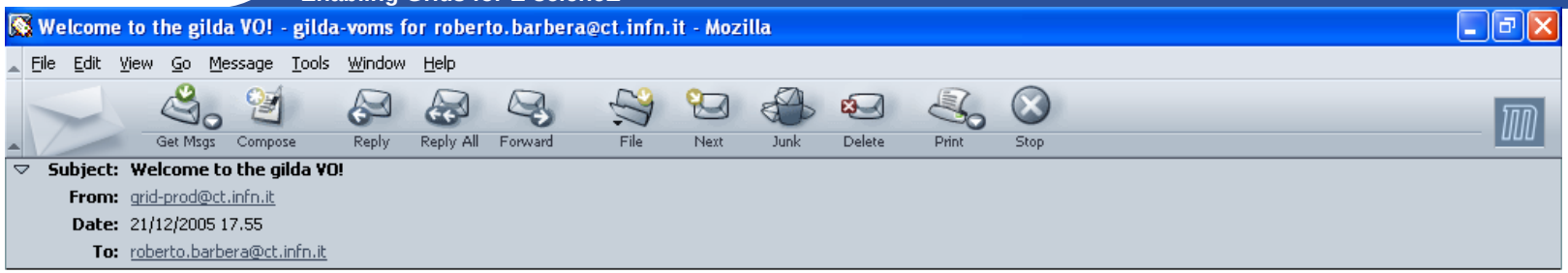
Click here to confirm your request

Registering to VOMS (4/5)

Enabling Grids for E-sciencE



Registering to VOMS (5/5)




```
Welcome to the gilda VO!


Dear Barbera, Roberto,

Your request (2) for the gilda VO has been accepted and
allowed by the VO Administrator.

From this point you can use the voms-proxy-init command to acquire the
VO specific credentials, which will enable you to use the resources of
this VO.

Good Luck,
     VO Registration
```

Now you are a member of the GILDA VO

Prepare your Certificate for the UI

- The following commands convert your certificate to PEM format:
- `openssl pkcs12 -clcerts -nokeys -in <your cert> -out usercert.pem`
- `openssl pkcs12 -nocerts -in <your cert> -out userkey.pem`
- Your public key: `usercert.pem`
  - `chmod 644 usercert.pem`
  - `mv usercert.pem $HOME/.globus/`
- Your private key: `userkey.pem`
  - `chmod 400 userkey.pem`
  - `mv userkey.pem $HOME/.globus/`

References

- **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/
- **Brief guide to certificate management**
  - http://grid-it.cnaf.infn.it/fileadmin/users/certmgr/certmgr.pdf
- **Brief video tutorial on certificate management**
  - https://gilda.ct.infn.it/video/Certification/Allproxy.html

Questions…