



Initial Proposal for a new EGEE Member

Please take the time to fill this questionnaire in a fully as possible, and send it to Roberto.Barbera@ct.infn.it. Please save a copy of this file and add your responses in the boxes indicated, then save the file and send it to the email address above.

Your Name :	Federico Ruggieri	Date:	04/10/05
Organisation :	INFN	Your email address (if different from the one used to send this file):	Federico.Ruggieri@roma3.infn.it

Section A: Describe your community

1) Would you describe your community as 'Industrial' or 'Scientific'?
<i>Scientific</i>

2) Briefly, how do you feel that your community would benefit from gaining access to the EGEE grid infrastructure? What would you use the Grid's resources for, that could not be done at a local scale?
<i>The EUMEDGRID project will extend EGEE technology to the Mediterranean Region and carry knowledge to this region creating a human network in e-science. We will deploy EGEE software. The access to EGEE grid infrastructure will be very important for the project development to prove compatibility and share resources and experiences. Most of the beneficial countries are presently not aware of the benefits of a GRID Infrastructure; we plan to show to universities and research centres the great opportunities that this technology creates for scientific applications.</i>

3) How many different countries does your community operate in?
Less than 5?
Between 5 and 15? yes
More than 15?

4) Within your community, what is your best estimate of how many individuals would be using the Grid infrastructure over the next...	
<i>...12 Months</i>	<i>...24 Months</i>
Less than 10?	Less than 10?
Between 10 and 100? yes	Between 10 and 100?
More than 100?	More than 100? yes

5) What is your best estimate of the number of sites from your community would be connecting to the Grid infrastructure over the next...

<i>...12 Months</i>	<i>...24 Months</i>
Less than 10? yes	Less than 10?
Between 10 and 50?	Between 10 and 50? yes
More than 50?	More than 50?

6) Does your community have particular Security requirements? If so, please briefly describe them.

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7) Have any members of your community already attended any grid demos or tutorials?
YES
8) If Yes to Q7, approximately how many people attended each event ?
10
9) If Yes to Q7, how many events of each kind (demos, tutorials etc)?
Tutorials 1

Section B: Describe your first application

10) Is your first application Industrial or Scientific? Please provide us with a brief description of the application's goals and algorithms
Scientific

11) Is your first application
CPU Intensive?
Data Intensive?
A combination of both? yes

12) Is your first application mainly intended for
Interactive use?
Batch use?
A combination of both? yes

13) Quantitatively evaluate your application in terms of (first application)	
CPU power (SpecInt2000/SpecFp2000 per second per job)	1/6
Memory consumption per job (Megabytes)	1000
Disk storage needs per job (Terabytes)	0,002
Tape storage needs per job (Terabytes)	0,002
Number of jobs per user per year	1000
Number of users per year	50
Network bandwidth requirements (Megabit/sec).	1000

14) Quantitatively evaluate which percentage of the data of your first application needs to be replicated in more than one site and the average number of copies per elementary replicated data set (e.g., file).

100% & 1

15) Does your first application have a graphic or a command-line user interface?

Command-line

16) Can your first application be accessed and controlled using a web browser?

No

17) Is your first application already interfaced to any grid middleware?

YES

18) If yes, to which middleware and in the context of which project?

EGEE standard middleware

19) If yes to question 17, can you cite some references (fewer than 10) to related work?

20) Does your first application need third party commercial software to run?

NO

21) If yes, which one(s)?

22) Describe the license under which your first application can be distributed on the grid infrastructure.

GPL

23) Describe concisely the security requirements of your first application.

None

24) If you answered 'Yes' to questions 17 and 20, describe concisely (max 500 words) what problems you foresee to successfully port your first application on a distributed computing environment like the European Grid infrastructure.

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Section C: Describe your second application

25) Is your second application <i>Industrial</i> or <i>Scientific</i> ? Please provide us with a brief description of the application's goals and algorithms	
	<i>Scientific</i>

26) Is your second application	
CPU Intensive?	
Data Intensive?	
A combination of both? yes	

27) Is your second application mainly intended for	
Interactive use?	
Batch use?	
A combination of both? yes	

28) Quantitatively evaluate your second application in terms of	
CPU power (SpecInt2000/SpecFp2000 per second per job)	1/6
Memory consumption per job (Megabytes)	1000
Disk storage needs per job (Terabytes)	0,002
Tape storage needs per job (Terabytes)	0,002
Number of jobs per user per year	1000
Number of users per year	50
Network bandwidth requirements (Megabit/sec).	1000

29) Quantitatively evaluate which percentage of the data of your second application needs to be replicated in more than one site and the average number of copies per elementary replicated data set (e.g., file).	
	<i>100% & 1</i>

30) Does your second application have a graphic or a command-line user interface?
<i>Command-line</i>

31) Can your second application be accessed and controlled using a web browser?
<i>No</i>

32) Is your application no. 1 already interfaced to any grid middleware?
YES
33) If yes, to which middleware and in the context of which project?
<i>EGEE standard middleware</i>
34) If yes to question 17, can you cite some references (less than 10) to related work?

35) Does your application no. 1 need third party commercial software to run ?
NO
36) If yes, which one(s)?
<i><type your response here></i>
37) Describe the license under which your second application can be distributed on the grid infrastructure.
<i>GPL</i>
38) Describe concisely the security requirements of your second application.
<i>No</i>

39) If yes to questions 32 and 38, describe concisely what problems you foresee in successfully porting your second application to a distributed computing environment like the European Grid infrastructure?
<i><type your response here, max 500 words></i>

Section D: Describe your commitment

40) How many people / FTE's can your community dedicate over the next 12 months to port your application(s) to the grid infrastructure in collaboration with grid experts?

4

41) From how many sites and with what distribution among sites?

14

42) How many people/FTE's can your community dedicate in the next two years to port your application(s) to the grid infrastructure in collaboration with grid experts?

4

43) How much and of what nature of computing and/or storage resources can your community introduce to the grid infrastructure to run your application(s) in the next 12 months? From how many sites and with what distribution among sites?

14 Computing nodes IA32 architecture, initially 3 sites

44) How much and of what nature of computing and/or storage resources can your community introduce to the grid infrastructure to run your application(s) in the next 2 years? From how many sites and with what distribution among sites?

50 Computing nodes IA32 architecture, 10 sites

45) Would your resources be made available to the EGEE Grid for use by other community members? If YES, which is the percentage of use that can be allowed to other communities for their applications?

Yes, 30%

46) How many people / FTE's can your community dedicate over the next 12 months to install, upgrade and manage grid middleware the community's Sites? From how many Sites and with what distribution among them?

3 FTEs in 3-10 sites

47) How many people / FTE's can your community dedicate over the next 2 years to install, upgrade and manage grid middleware on the community's Sites? From how many Sites and with what distribution among them?

6 FTEs in 10 sites

Feedback

As a potential user of the EGEE Grid, you will be expanding the Grid simply by being a part of it. We are keen to expand the Grid as much as possible and to do this we need to get EGEE promoted in the right places, so the right people get to know of it. You can help us by answering the following questions relating to the EGEE Project's public profile.

How did you first hear about EGEE?

Website? *(please provide address)*

Word-of-Mouth? *yes*

Publication? *(please state which)*

Event? *(please state which)*

Other? *(please specify)*

In your particular field, at which event(s) would you most expect to see EGEE Grid activities publicised or promoted?

IT Workshops

In your particular field, in which publication(s) would you most expect to see EGEE Grid activities publicised?

Computer Science

Which publication(s) do you read on a regular basis? (include newspapers, periodicals and any other)

IT news

Thank you for your time.