

The CUE proposal

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EGEE'09
Barcelona, 25.09.2009

www.eu-egee.org





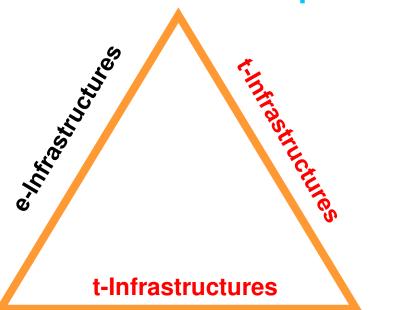
- Preliminary considerations
- Proposal "fiche"
- Objectives and actions
- Partners
- The work plan "at a glance"
- Activities and tasks



The Triangle of Knowledge

Enabling Grids for E-sciencE

Research & Development



Education & Training

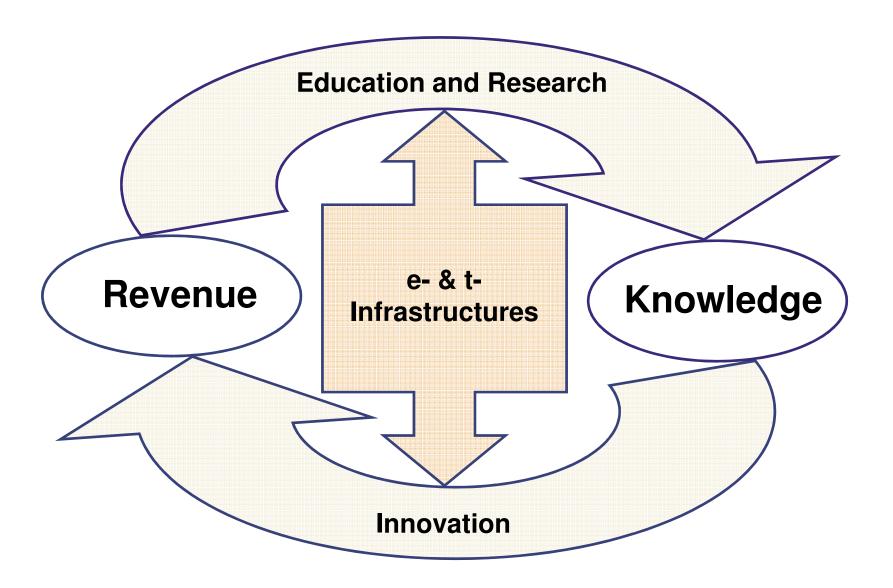
Innovation

Building e-Infrastructures is a waste if we don't "build", at the same time, their users.

Along with e-Infrastructures, <u>t-Infrastructures</u> are also needed.



e/t-Infrastructures and Innovation



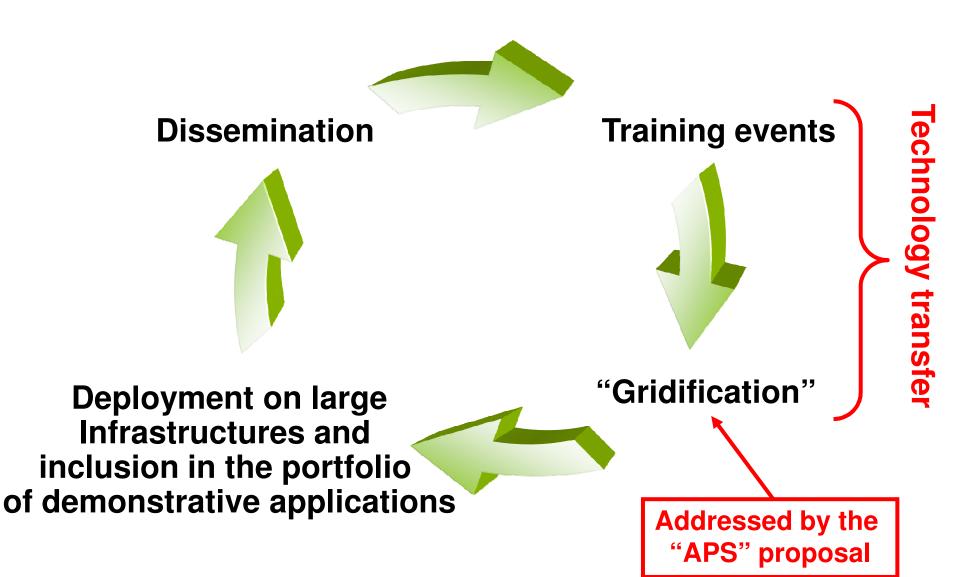


CGC Are we really serving many users?

Enabling Grids for E-sciencE

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The main way we ha ear/user for EGEE-III = 32 M€ / 2 ys / 11.7 kuser ~ 1.4 k€ ng/year/user for GEANT3 = 93 M€ /4 ys / ~30 Muser ~ 0.8 € !!



Proposal "fiche"

Enabling Grids for E-sciencE

• Project name:

CUE (Creating Users of E-infrastructures)

Designed Project Coordinator:

 Roberto Barbera, University of Catania and INFN (roberto.barbera@ct.infn.it)

Call:

- FP7-INFRASTRUCTURES-2010-2

Topic:

INFRA-2010-1.2.3 - Virtual Research Communities

Funding scheme:

 Combination of Collaborative Projects and Coordination and Support Actions (CP-CSA)

Project duration:

- 24 months

EC Requested contribution (<u>very preliminary</u>):

- 2.5-3.0 M€

- Reinforce the impact of EGI and e-Infrastructures both in academic and business research:
 - Define and deliver a stimulating programme of dissemination and educational events, both real and virtual;
 - Provide dissemination and educational tools to EGI and NGIs;
 - Enable the NGIs to enlarge the number of users of the European Grid Infrastructure;
- Develop novel ways of presenting e-Infrastructures to prospective users and communities;
- Raise awareness of and transfer know-how about grid technology with its benefits to the public and business sectors;
- Leverage EGI and related technologies towards business adoption with a particular focus on SMEs.

- Attract new users and demonstrate the impact of results already achieved by e-Infrastructures through high impact international training events;
- Support EGI presence at community events through interaction with NGIs and diverse scientific and business communities;
- Create promotional material and publications interacting with global press and media through all available channels;
- Consolidate and operate a training infrastructure that can be both real and virtual and able to support the European middleware;
- Develop rapidly deployable, non-capital intensive, extensible training infrastructure;
- Explore and develop innovative approaches to accessing European e-Infrastructures which will provide improved student experiences and address the problems of scaling and access through online provision;
- Ease the access of the trained people into EGI and extend the EGI training and education services;
- Facilitate networking and coalescence of new collaborations;
- Help public and private companies to exploit EGI technologies;
- Provide feedback to EGI and NGIs so helping in concrete business exploitation and increased sustainability.



(Provisional list of) Partners (to be confirmed through official Lols)

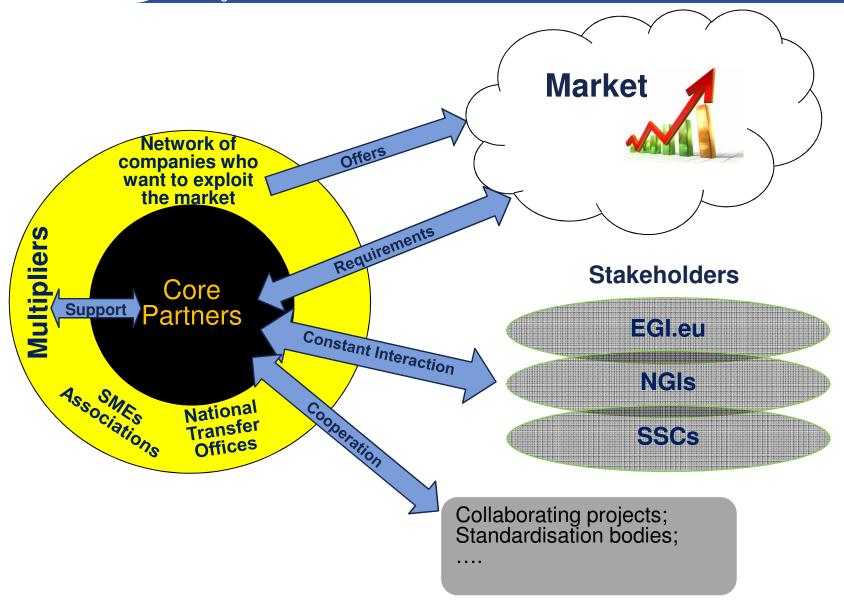
N.11	Partner Name	County	N.	Partner Name	Country			
1	INFN (coordinator)	Italy	16	ELSAG-DATAMAT	Italy			
2	MTA SZTAKI	Hungary	17	CGG VERITAS	France			
3	UEDIN	UK	18	GAIA	Spain			
4	GRNET	Greece	19	IGT	Israel			
5	CSC	Finland	20	ETNAHITECH	Italy			
6	FZJ	Germany	21	IVSZ	Hungary			
7	IMPERIAL	UK	22	НВА	Hungary			
8	IPB	Serbia	23	ISR.EU	Belgium			
9	UWESTMINSTER	UK	24	PEP	France			
10	QMUL	UK						
11	STFC	UK	• /	Academic partners Business partners				
12	TRUST-IT	UK						
13	BT SERVICES	France	Business partnersAssociations of SMEs					
14	NICE	Italy						
15	CONSTELLATION TECHNOLOGIES	UK						

CGC Scope of the Associations of SMEs

- Host CUE (EGI) dissemination events in SME-Ass. largest and highest visibility annual events;
- Send people to the CUE summer and winter schools;
- Participate in the writing of strategy documents on how grid technology and related training can be used in Industry and Business;
- Participate in the definition of training plans and formats;
- Limited budget (100% funded): 20-50 k€ per SME-Ass., depending on the size and number of its members. "Pot" centralized at the coordinator.



CUE Business Partnership





SA₁

operation

Work plan

OTHER

Enabling Grids for E-sciencE

Activity No.	Activity Title	Type of Activity	Lead Participant Name
NA1	Management	MGT	INFN
NA2	Dissemination	SUPP	QMUL
NA3	Technology Transfer and Business outreach	SUPP	TRUST-IT or BT (tbd)
NA4	Coordination of International training activities	SUPP	UEDIN
Q /\ 1	Training infrastructure provision and	OTHER	INIENI

JRA1 Development of training material and ancillary services

Development of novel student and user experience environments

RTD GRNET

RTD UEDIN

INFN



UEDIN

GRNET

CSC

FZJ

IPB

QMUL

STFC

NICE

TRUST-IT

BT SERVICES

ELSAG-DATAMAT

SMEs Associations

CGG VERITAS

CONSTELLATION TECHNOLOGIES

IMPERIAL

UWESTMINSTER (involvement still to be defined)

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18

Partners vs. Activities

X

X

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Enabling dries for E-science								
N.	Partner short name	NA1	NA2	NA3	NA4	SA1	JRA1	JRA2
1	INFN (coordinator)	Х		Х	х	Х		Х
2	MTA SZTAKI				Х	Х	X	

X

Χ

X

X (tbd)

X (tbd)

- Leader: INFN
- Tasks:
 - TNA1.1: Administrative and financial management
 - TNA1.1 will take care of the administrative, financial and overall management of the consortium. It will include the daily management of the project, the communication amongst the consortium, the Project Office (PO) activities, the resolution of possible issues, etc.
 - TNA1.2: Technical management
 - TNA1.2 will aim to the coordination of the overall technical activities, for the achievement of milestones and the delivery of the deliverables according to the foreseen work plan.
 - TNA1.3: Liaison with EGI and other related projects
 - TNA1.3 will take care of all external PR.



NA2 - Dissemination

Enabling Grids for E-sciencE

Leader: QMUL

- Tasks:
 - TNA2.1: Activity management
 - This task includes the general oversight and management of the activity as well as administration and reporting. The NA2 management will closely work with the other task leaders, the SSC project manager to ensure that all of output of the activity is consistent and in line with their effort.
 - TNA2.2: Event Coordination
 - Working with scientific SSCs, NGIs and the EGI.eu to ensure EGI representation at suitable events. This would include contributing material to sessions run by the training work package (NA3) and running "Introduction To Grid Computing" days with the training work package
 - TNA2.3: Copy Production (press releases, news items, submissions to other media)
 - Working with the SSCs to identify and promote science that uses the grid and choose the most suitable avenue for this e.g. press release, iSGTW story. Work with the NGIs to tailor these releases for local partners, whether this be through translation or inclusion of local information, quotes etc.
 - TNA2.4: Material (leaflets posters) design and planning
 - This task addresses the production and distribution of written and multimedia material in conjunction with EGI.eu and assist the SSCs and NGIs to do the same.
 - TNA2.5: Coordinating/assisting entrance of new users/communities
 - Taking potential users from first contact to active member of the community. This will be done in conjunction with their local NGI, a suitable SSC and the application porting SSC. In the case where a natural SSC does not exist the team will work with the users, EGI and the other SSCs to create one.
 - TNA2.6: Website
 - The creation, design and maintenance for the CUE project website.



NA3 - Technology Transfer and Business outreach

- Leader: TRUST-IT or BT SERVICES (tbd)
- Tasks:
 - TNA3.1: Technology transfer and support
 - TNA3.2: Marketing and business outreach
 - TNA3.3: Certification programme
 - TNA3.4: Liaison with other business-related projects



NA4 - Coordination of International training activities

- Leader: UEDIN
- Tasks:
 - TNA4.1: Organization and delivery of international training events
 - Summer and winter schools;
 - TNA4.2: Liaison with EGI for international training events
 - Interaction with EGI Training Coordinator;
 - TNA4.3: Liaison with NGIs for international training events
 - Interaction with the NGIs' Training Coordinators, gathering NGI requirements for training;
 - TNA4.4: Developing and leading the formation of international training community groups
 - OGF, e-IRG, ESFRI, etc.



SA1 - Training infrastructure provision and operation

- Leader: INFN
- Tasks:
 - TSA1.1: Provision and maintenance of t-Infrastructure services
 - GILDA CA, VO, wiki, etc.;
 - TSA1.2: Operation of the t-Infrastructure
 - Central and site specific services; specific monitoring services;
 - TSA1.3: Liaison with NGI infrastructures
 - Provisioning of additional resources from production sites.



JRA1 - Development of training material and ancillary services

Leader: GRNET

- Tasks:
 - TJRA1.1: Development of training materials
 - Hand-outs, etc.;
 - Training presentations;
 - TJRA1.2: Development of training scenarios
 - Definition of various hands-on training scenarios (e.g., job management, data management, API usage, etc.);
 - Development of sample codes or skeleton codes to be used in generic or service-specific training;
 - TJRA1.3: Development of on-line training materials
 - Pre-recorded training, web casts, etc.;
 - Training wiki pages and other online material.



JRA2 - Development of novel student and user experience environments

- Leader: UEDIN
- Tasks:
 - TJRA2.1: Development of agile environments for training
 - Virtualization, t-Infrastructure cloning, cloud environments;
 - TJRA2.2: Development of on-line virtual environments for training
 - International winter schools.



Thank you very much!

...Any Questions?

