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eScience Across the
Mediterranean

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Interim Activity Report - 6th Quarter

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Interim Activity Report – 6th Quarter

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1. PROJECT OBJECTIVES AND MAJOR ACHIEVEMENTS DURING THE REPORTING PERIOD

A very good progress towards the objectives has been recorded during this quarter. Dissemination and training activities has increased their effort and several achievements are reported.

The analysis of the report of the first review of the project has led to some changes in the timing and contents of some deliverables and documents.

1.1. Deliverables

During the quarter the following deliverables where prepared.

- **Updated D2.2** – “Proposed technical roadmap”, sent together with this report.
- **D5.4** – “Final revision of outreach plan”. This document has been rescoped to address the requests of the reviewers. Due to those changes it has also been delayed to Month 18. The final version has not yet been revised by the time this report was closed. We expect to send it shortly after this document.

1.2. Milestones

Two planned milestones were reached this quarter.

- **M4.1** – “EGEE applications running” – ATLAS and CMS applications were deployed and are currently running on the infrastructure.
- **M5.6** – “Revision of outreach material”. The outreach material has been revised to address the needs of the EGSAP-1 event and several formats consolidated. More information is reported in the deliverable D5.4.

D5.2, to be re-submitted according to the requests by the reviewers, has been delayed in order to incorporate the information gathered in the framework of 2nd phase of WP2.

1.3. First EUMEDGRID School for Application Porting (EGSAP-1)

The first one, the EGSAP-1 (1st EUMEDGRID School for Application Porting, see <http://www.eumedgrid.org/egsap-1/>) was held in Cairo on 17-28 April 2007 and was deemed of paramount importance for the uptake of new applications on the regional pilot infrastructure. The EGSAP-1 school was accordingly one of the largest dissemination efforts the whole lifetime of the project. The school was conceived as a full immersion experience for selected new communities of regional interest, thus contributing in involving them in the project activities, while providing them the knowledge needed to build upon the eInfrastructure and deploying their own application. As mentioned above, the newly deployed applications were also used as success stories to further disseminate the project results (as well the potential of grid technologies) to a wider audience of potential users.

The event was widely advertised and several related dissemination activities were carried out, including a press release, interviews et. Several press cuttings were published concerning the school in Europe and especially in Egypt. This event was definitely a good occasion for disseminating the e-Science paradigm.

All selected applications were ported to the EUMEDGRID e-infrastructure. Moreover these applications have been also ported to the GENIUS web portal. All attendees required a user certificate in order to access to the EUMEDGRID e-infrastructure.

This event can be considered one of the most important events in the EUMEDGRID both for the impact on the Mediterranean scientific community and from the good feedbacks obtained by the attendees.

1.4. Dissemination Events

EUMEDGRID organised/participated to several tutorials/dissemination events during this quarter:

- ROC-on-duty tutorial 15-16 April in Cairo (Egypt).
- 6th EUMEDGRID Tutorial for Users and System Administrators, 7-11 May in Madrid in collaboration with EELA.
- In collaboration with the sister project EELA, the project took part in the IST-Africa 2007 Conference & Exhibition, which took place on 9 - 11 May 2007 in Maputo (Mozambique).
- G8-UNESCO World Forum on 'Education, Research and Innovation: New Partnership for Sustainable Development' at ICTP, in Trieste in collaboration with EELA, EU-IndiaGrid and EUChinaGRID.
- EGEE User Forum in Manchester (9-11 May).
- Conference “e-Infrastructures for Research and Education to Promote Development”, held on 7-9 June 2007 in Amman (Jordan). Organised by JUNet a third party of GRNET.
- Second EUMEDGRID Workshop, held in Algiers (Algeria) on 17 June and followed by an EUMEDGRID Tutorial for Users and Site Administrators, 18-21 June.
- Preparation for a Joint participation to the International Union of Geodesy and Geophysics (IUGG) Conference in Perugia (Italy) from 2 to 13 July 2007. In collaboration with EELA, EGEE, EU-IndiaGrid and EUChinaGRID a group of booths is being organised to disseminate the activities of the projects to the large (> 4000 attendees are foreseen) community of Earth Science and Geodesy.
- Preparation of a Joint Policy event with EUMEDCONNECT and GEANT2 in Brussels in October.

A detailed report on these events is available in the WP5 section below.

1.5. Actions List

Act. No	Description	WP No	Status
A1	At least one RC should be set up in each non-EU MED country, even stand alone (wherever connectivity is poor) and some (if not all) of the RCs in the non-EU MED countries should reach production-level	WP3	On-going
A2	Continue to search for suitable partners in Libya and Lebanon	WP1-WP5	On-going
A3	Increase the effort to address the policy and decision makers. Deliverable D5.4 will be re-scoped and delayed to PM 18 due to the requested changes	WP5	In preparation
A4	MoUs with other projects should be finalised	WP1-WP5	In preparation
A5	Append a document on risk management to the third quarterly report of 2007	WP1	In preparation
A6	Provide input to the agenda of national funding bodies and if possible governments	WP1-WP5	In preparation
A7	The second survey should collect a geographically balanced sample, and properly involve the private sector	WP2	Starting
A8	A document addressing the networking requirements of Grid communities will be produced	WP3	In preparation
A9	The motivation of the large number of surveys should be clarified and their interrelation should be clarified in the management reports	WP1-WP2-WP4	Updated D2.2
A10	An updated D2.2 will be provided to cover the interaction between WP2, WP3 and WP4	WP2-WP3-WP4	Done
A11	Future deliverables in WP4 and WP2 should make clear the interaction between these work-packages and make transparent the selection process for the applications	WP4-WP2	On-going
A12	All deliverables to be submitted must have an appropriate executive summary that outlines the addressed target group for the document, a summary of key findings and the position of this deliverable with respect to other documents delivered by the project	WP1-WP2-WP3-WP4-WP5	On-going
A13	An assessment of the budget will be appended to the second quarterly report	WP1	Done
A14	Improve the reporting of technological risks, their potential solutions and the potential impact of partners' performance on the overall progress	TM/TB	On-going

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Act. No	Description	WP No	Status
A15	The scope of D5.4, originally aiming at providing a revised plan for A5.2 only (i.e. dissemination of advanced knowledge) will be re-focused and extended in order to assess the recommendations.	WP5	In preparation

2. WORKPACKAGE PROGRESS OF THE PERIOD

2.1. ACTIVITY SUMMARY

The following paragraphs provide a brief report of activities carried out during the sixth quarter of the project.

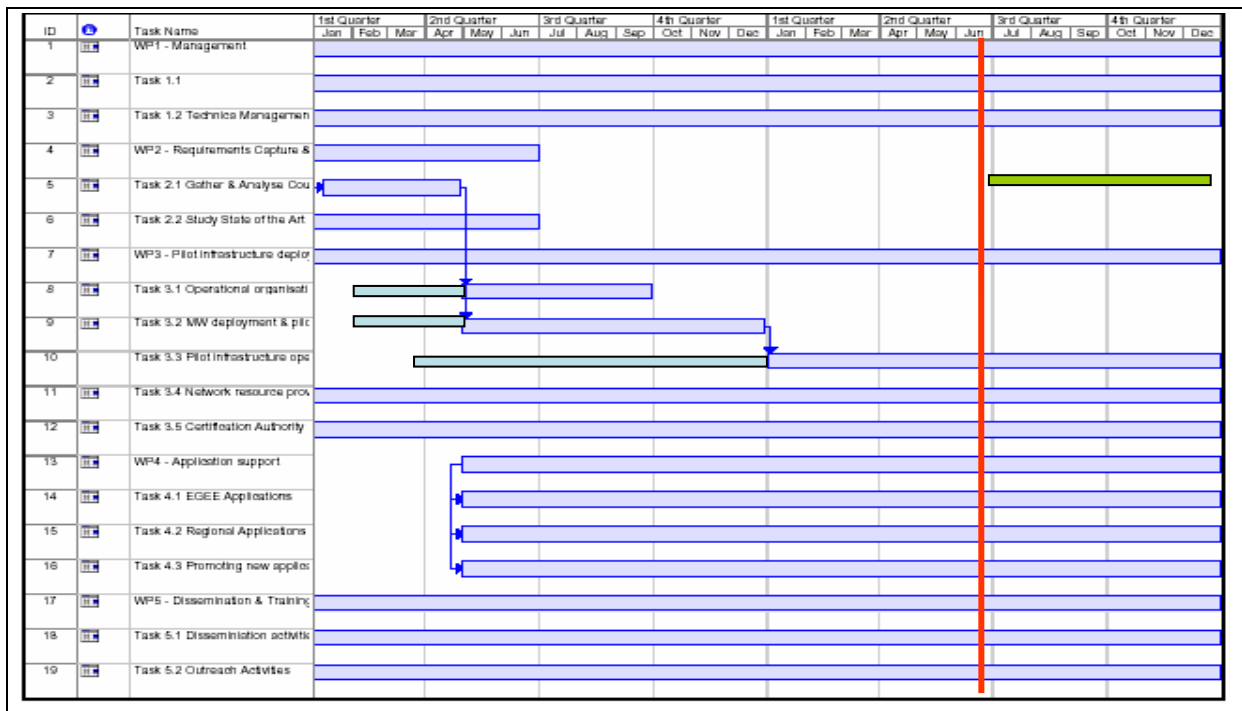


Figure 1 – Updated Gantt plan of the project

2.1.1. WP1: Project Administrative and Technical Management

INFN Activities:

The work was concentrated in preparing the document addressing the recommendations made by the Reviewers. An action list was prepared and the status of all the actions constantly monitored.

A contract amendment has also started to be prepared to modify some information regarding the CPFs (Contract Preparation Forms) of several partners. Some modifications to the Annex I – Description of Work are also necessary to address the recommendations of the reviewers regarding the deliverables.

CYNET Activities;

Day to day work with regards to administrative management of the project continued.

CERN Activities:

* Coordination of CERN technical and management activities in EUMedGrid.

- * Internal discussions on 1st project review and initial review feedback.
- * Discussions on the project programme of work until December 2007 and sustainability beyond EC funding.
- * 5thQR technical description & effort contribution.
- * Review/comment on 1st EUMEDGRID reviewers' recommendation.
- * Provide forecast 2007 budget & effort for CERN.

GARR activities

As usual, GARR was heavily committed in the day-by-day project office activity, with particular reference to communication with partners, collection of administrative/management materials etc. A special effort was devoted to the technical management, whose activity was very intense in the period, due to the need to address the recommendations by the reviewers and to accomplish some strategical decisions (i.e. high-level dissemination activities, etc). Due to the problems with the EUN prefinancing, GARR, as a part of the PO, took care of the organizational and financial costs relating to the EGSAP-1 school in Cairo. This implied of course a larger effort in the field, as reflected in the accounted worked hours.

HIAST Activities:

Attending PMB meeting at Amman.

TUBITAK Activities:

- TR-Grid National Grid Initiative Strategy, TR-Grid Site National Site Policy and TR-Grid National User Policy documents were produced and published in TR-Grid Web site.
- The progress meeting of the regional application, HuM2S, was organized by TUBITAK with the participation of the third party, Bogazici University.

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Table 1 - WP1 roundup effort

Partner Short Name	Name and Surname	Activity	Worked Hours during the Quarter		Total N. of Hours delivered until now		Effort in the contract (in hours) ¹		Remaining Effort (in hours)	
			Total	Funded	Total	Funded	Total	Funded	Total	Funded
INFN	Total	WP1	560	(225)	2.819	(450)	2.973	(585)	154	(135)
	Giuseppe Andronico	A1.1	5	(0)	13	(0)				
	Giuseppe Andronico	A1.2	10	(0)	58	(0)				
	Roberto Barbera	A1.2	130	(0)	650	(0)				
	Marta Mieli	A1.1	225	(225)	961	(450)				
	Federico Ruggieri	A1.1	190	(0)	1.137	(0)				
CERN	Total	WP1	31,5	(21,5)	230	(39)	340	(69)	110	(30)
	Florida Estrella	A1.1	31,5	(21,5)	230	(39)				
CYNET	Total	WP1	30	(30)	90	(60)	147	(117)	57	(57)
	Giorgos Athienitis	A1.1	5	(5)	5	(5)				
	Evi Constantinou	A1.1	10	(10)	10	(10)				
	Agathoclis Stylianou	A1.1	0	(0)	30	(0)				
	Michael Theodoulou	A1.1	15	(15)	45	(45)				
DANTE	Total	WP1								
	David West	A1.1								
GARR	Total	WP1	60	(60)	353	(353)	312	(312)	-41	-(41)
	Alessandra De Nicola	A1.1	0	(0)	50	(50)				
	Giada Di Giammarco	A1.1	0	(0)	63	(63)				
	Massimo Stangoni	A1.2	0	(0)	10	(10)				
	Federica Tanlongo	A1.1	30	(30)	110	(110)				
	Federica Tanlongo	A1.2	0	(0)	42	(42)				
	Claudia Santi	A1.1	0	(0)	48	(48)				
	Enzo Valente	A1.1	30	(30)	30	(30)				
GRNET	Total	WP1	0	(0)	161	(161)	273	(273)	112	(112)
	Zoi Panagiotara	A1.1	0	(0)	141	(141)				
	Mahir Sabra	A1.1	0	(0)	20	(20)				

¹ The number of hours has been evaluated using 1560 effective working hours/Year. Funded Effort is in brackets.

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Partner Short Name	Name and Surname	Activity	Worked Hours during the Quarter		Total N. of Hours delivered until now		Effort in the contract (in hours) ¹		Remaining Effort (in hours)	
			Total	Funded	Total	Funded	Total	Funded	Total	Funded
RED.ES	Total	WP1	12	(12)	66	(66)	78	(78)	12	(12)
	Alberto Perez	A1.1	12	(12)	66	(66)				
UoM	Total	WP1								
	Reggie Cushing	A1.1								
	Reggie Cushing	A1.2								
	Robert Sultana	A1.1								
	Kevin Vella	A1.1								
	Kevin Vella	A1.2								
CERIST	Total	WP1	20	(20)	320	(320)	540	(540)	220	(220)
	Khelladi Abdelkader	A1.1	10	(10)	110	(110)				
	El-Maouhab Aouaouche	A.1.1	10	(10)	170	(170)				
	Chioukh Nadia	A1.2	-	-	40	(40)				
CNRST	Total	WP1	0	(0)	185	(185)	240	(240)	55	(55)
	Hassan Bouhaddou	A1.2	-	-	30	(30)				
	Redouane Merrouch	A1.1	-	-	75	(75)				
	Redouane Merrouch	A1.2	-	-	35	(35)				
	Nabil Talhaoui	A1.2	-	-	45	(45)				
EUN	Total	WP1								
	Dina Barakat	A1.1								
	Dina Barakat	A1.2								
	Omar Karam	A1.1								
	Omar Karam	A1.2								
	Yomna Mostafa	A1.1								
HIAST	Total	WP1	16	(16)	158	(158)	208	(208)	50	(50)
	Ghassan SABA	A1.1	0	(0)	35	(35)				
	Moutasem Shafa Amry	A1.2	0	(0)	30	(30)				
	Maher Suleiman	A1.1	8	(8)	85	(85)				
	Maher Suleiman	A1.2	8	(8)	8	(8)				
MRSTDC	Total	WP1	2	(2)	204	(204)	308	(308)	104	(104)
	Mohamed Jemni	A1.1	-	-	42	(42)				
	Mohamed Jemni	A1.2	-	-	38	(38)				

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Partner Short Name	Name and Surname	Activity	Worked Hours during the Quarter		Total N. of Hours delivered until now		Effort in the contract (in hours) ¹		Remaining Effort (in hours)	
			Total	Funded	Total	Funded	Total	Funded	Total	Funded
	Sonia Kallel	A1.1	2	(2)	48	(48)				
	Sonia Kallel	A1.2	-	-	4	(4)				
	Malika Zenati	A1.1	-	-	48	(48)				
	Malika Zenati	A1.2	-	-	24	(24)				
TUBITAK		Total WP1								

2.1.2. WP2: Requirement Capture and Analysis

A review of progress within WP2 was presented at the Jordan PMB in May 2007. The main activities were related to the revision and resubmission of D2.2, and recruitment for the new WP2 grid communities survey.

D2.2 was updated as recommended at the 1st project review. This is an extract from the Executive Summary: “The First Project Review Report noted certain perceived shortcomings in the original D2.2. This document is an update of D2.2 and includes the current status and evolution of the EUMEDGRID infrastructure and the applications that have been selected to be deployed thereon. This document also describes how D2.2 supported some of the activities in WP3 and WP4, and clarifies the interactions and interdependencies between them.” This is an extract from the Conclusions: “The focus of this update is to clarify the scope of original D2.2, underlining the interconnections between D2.2 and activities of WP3, 4 and 5. The EUMEDGRID infrastructure is constantly growing and, in particular, the contribution of beneficiary institutes grew from 71 CPUs and 1.9 TB disk space (June 2006) to the current value of 95 CPUs and 3.8 TB (June 2007) with the planned contribution of 176 CPUs and 8.9 TB by the end of the project. Furthermore, the number of supported application has increased from the initial 5 applications to 14 applications whose complete deployment in the EUMEDGRID infrastructure foreseen by December 2007. The EGSAP-1 event not only facilitated the 9 additional applications, but also increased the technical knowledge required to autonomously integrate new applications to EUMEDGRID pilot infrastructure. Additionally, 19 other applications raised interest by one or more partners and are also planned to be deployed during the project lifetime. All this information confirms the interest, sustained among the partners, to support the project in its several aspects: infrastructure; applications identification, gridification and support; dissemination and training activities.”

Recruitment procedures started in June at UoM in order to provide human resources for the new WP2 grid communities survey. This new survey was proposed at the Madrid Review Meeting of March 2007, discussed at the Jordan PMB of June 2007, and has been scheduled to occur between September and December 2007. This survey will provide a complement to the first WP2 survey carried out in the initial months of EUMEDGRID, and will thus enable a quantitative analysis of the impact of EUMEDGRID to be carried out.

A2.1 Gather and analyse country data

UoM Activities:

- Contribution to the new D2.2 being put together by CERN;
- Recruitment of human resources for the new WP2 grid communities survey;
- Planning for the new WP2 grid communities survey.

HIASST Activities:



Contributing to Deliverable D2.2 (Providing information about HIAST'S Resource center)

A2.2 Study state of the art and propose technical roadmap

CERN Activities:

- Contribution to updated D2.2 as recommended at the 1st project review.

INFN Activities:

Revision of the Updated D2.2.

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Table 2 - WP2 roundup effort

Partner Short Name	Name and Surname	Activity	Worked Hours during the Quarter		Total N. of Hours delivered until now		Effort in the contract (in hours)[1]		Remaining Effort (in hours)1	
			Total	Funded	Total	Funded	Total	Funded	Total	Funded
INFN	Total	WP2								
CERN	Total	WP2	51,5	(52)	682,5	(510)	631	(458)	-52	-(52)
	Florida Estrella	A2.2	15,7	(16)	189	(16)				
	Domenico Vicinanza	A2.2	35,8	(36)	494	(494)				
CYNET	Total	WP2	0	(0)	208	(169)	358	(319)	150	(150)
	Kyriakos Maifoshis	A2.1	0	(0)	39	(0)				
	Michael Theodoulou	A2.1	0	(0)	169	(169)				
DANTE										
GARR										
GRNET	Total	WP2	0	(0)	685	(655)	1.072	(955)	387	(300)
	Fotis Karayannis	A2.2	-	-	33	(33)				
	Kostas Koumantaros	A2.1	-	-	24	(24)				
	Kostas Koumantaros	A2.2	-	-	222	(222)				
	Ioannis Liabotis	A2.1	-	-	17	(17)				
	Ioannis Liabotis	A2.2	-	-	246	(246)				
	Ognjen Prnjat	A2.1	-	-	13	(13)				
	Ognjen Prnjat	A2.2	-	-	75	(75)				
	Mahir Sabra	A2.2	-	-	25	(25)				
	Yousef Torman	A2.2	-	-	30	(0)				
RED.ES										
UoM	Total	WP2								
	Reggie Cushing	A2.2								
	David Mifsud	A2.1								
	Adrian Mizzi	A2.1								
	Robert Sultana	A2.1								
	Kevin Vella	A2.1								
	Kevin Vella	A2.2								
CERIST	Total	WP2	0	(0)	120	(96)	520	(442)	400	(346)
	El-Maouhab Aouaouche	A2.1	-	-	40	(32)				

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Partner Short Name	Name and Surname	Activity	Worked Hours during the Quarter		Total N. of Hours delivered until now		Effort in the contract (in hours)[1]		Remaining Effort (in hours)1	
			Total	Funded	Total	Funded	Total	Funded	Total	Funded
	Brahimi Farida	A2.1	-	-	25	(20)				
	Benaissa Hassine	A2.1	-	-	25	(20)				
	Bentaleb Ouafa	A2.1	-	-	25	(20)				
	Asselah Salim	A2.1	-	-	5	(4)				
CNRST	Total	WP2	0	(0)	375	(315)	493	(415)	118	(100)
	Hassan Bouhaddou	A2.1	-	-	40	(30)				
	Hassan Bouhaddou	A2.2	-	-	40	(30)				
	Youness Hamidi	A2.1	-	-	45	(45)				
	Redouane Merrouch	A2.1	-	-	85	(75)				
	Redouane Merrouch	A2.2	-	-	40	(30)				
	Nabil Talhaoui	A2.1	-	-	85	(75)				
	Nabil Talhaoui	A2.2	-	-	40	(30)				
EUN	Total	WP2								
	Omar Karam	A2.1								
	Dina Barakat	A2.1								
	Hussein Lotfy	A2.1								
HIAST	Total	WP2	3	(3)	88	(88)	520	(442)	432	(354)
	Maher Suleiman	A2.1	0	(0)	85	(85)				
	Maher Suleiman	A2.2	3	(3)	3	(3)				
MRSTDC	Total	WP2	40	(40)	494	(424)	720	(642)	226	(218)
	Hazem Fkaier	A2.1	-	-	50	(0)				
	Ali Labyadh	A2.1	-	-	20	(0)				
	Mohamed Jemni	A2.1	16	(16)	128	(128)				
	Mohamed Jemni	A2.2	16	(16)	80	(80)				
	Sonia Kallel	A2.1	8	(8)	80	(80)				
	Sonia Kallel	A2.2	-	-	40	(40)				
	Malika Zenati	A2.1	-	-	48	(48)				
	Malika Zenati	A2.2	-	-	48	(48)				
TUBITAK	Total	WP2	0	(0)	210	(0)	310	(100)	100	(100)
	Burcu Akcan	A2.1	-	-	210	(0)				

2.1.3. WP3: Pilot Infrastructure Operational Support

During the 6th Quarter WP3 continued the operation of the pilot infrastructure aiming to reach production quality wherever possible. In coordination with WP4 we've also deployed ATLAS and CMS VOs. We are also progressing the in deployment of the selected applications from EGSAP-1 (<https://agenda.eumedgrid.org/conferenceDisplay.py?confId=18>) in the EUMED VO. Finally we've started to work on the "Network Requirements capture" Report requested by the reviewers, for which we've created an online survey aiming to collect the Network Requirements of the applications identified.

UoM Activities:

- Monitoring and issuing tickets for problematic sites using SAM server;
- Setup failover Genius web portal at the University of Malta;
- Manning the MT-01-UOM grid site.

CYNET Activities:

At this period of time we are adding our additional working nodes.

Additionally, with the help from Reggie Cushing (UoM), the EUMEDGRID Sam Client has been updated to the latest production version.

Day to day operations administration of the CYNET site.

CERN Activities:

- * Ongoing ticketing and troubleshooting of EUMedGrid sites
- * Remote SAM server maintenance (server is in Malta).
- * SAM clients maintenance and upgrades – the sensors have been updated to the latest release(v1.2.1); client bug fixing; moving submission framework to Cyprus
- * Participation in EGEE operations and ROC managers meetings
- * Gathered information from EUMedGrid operations activities on how the project works with EGEE-II SA1.
- * Wrote an article for CERN Computer Newsletter introducing the EUMedGrid project <http://cnlart.web.cern.ch/cnlart/2007/002/main.pdf>

MRSTDC Activities:

We still have problems of bandwidth and we are continuing contacts with the CCK (Internet Tunisian provider of Academic institutions) to improve the Internet connection.

CERIST Activities:

- Administration of DZ-01-ARN cluster
- Finalisation of the first draft of CP/CPS
- Preparation and setup of tutorials environment (repository site , Winware server and clients for the student PCs).

HIAST Activities:

- Finalizing the setting up of the resource center at HIAST:
 - Resolving the confronted problem related to nodes configuration
 - Setting up the reverse DNS service for network after registering it in the RIPE database.
 - Obtaining host certificates for the CE, SE, and Mon.
 - Adding HIAST resource center to EUMEDGRID.
- Working on assuring the connectivity to EUMEDCONNECT Network: This necessitated hard work to motivate the Ministry of Higher Education and convince it to continue with the extension of EUMEDCONNECT until 31 Dec. 2007.
- Attending the ROC on Duty Training in Cairo.

CNRST Activities:

- MA-01-CNRST has been updated with new certificates of : CE, MON, SE servers
- CNRST has presented for the second time the certification authority MaGrid CA in the 10th meeting of EuGridPMA. It also updated OpenCA and prepared the final version of CP/CPS.
- Maintenance and update of MaGrid CA web site.
- Administration and maintenance of the MA-01-CNRST site.
- Interne Wiki has been installed to help Marwan staff for maintenance and administration purposes.

TUBITAK Activities:

- Regular glite-3.0 updates have been done.
- All core services that support EUMEDGRID infrastructure (RB, WMS, BDII, MyProxy) have been maintained with regular updates/fixes.
- Nagios monitoring tool was installed at TR-01-ULAKBIM to continuously check the status of nodes.
- New wiki has been installed to maintain the national online repository to help national users and site administrators.
- Native wiki pages have been updated to provide better support to users.

- New yaim configuration has been applied to TR-01-ULAKBIM.
- Several bugs, problems related to new sgm and prd accounts have been corrected.
- Storage element of TR-01-ULAKBIM has been migrated from Classic SE to DPM.

GRNET Activities:

- Coordination and technical management of WP3
- Definition of the technical strategy of WP3 for the forthcoming period.
- Operation of the EUMEDGRID help desk.
- Coordination of middleware upgrades for EUMEDGRID sites.
- Configuration and maintenance support for EUMEDGRID sites.
- Contribution to deliverable D2.2
- Preparation of the partners in Cyprus and Malta to take over the ROC coordination
- Coordination and contribution to the Networking requirements questionnaire
- Coordination with WP4 for the deployment of the ATLAS and CMS VO
- Collaboration with WP4 for the deployment of the EGSAP-1 applications in the EUMEDGRID infrastructure
- Maintenance of HG-01-GRNET site and offered core services.

Meetings:

Ioannis Liabotis and Fotis Karayannis participated in the EUMEDGRID PMB/TB held in Amman, Jordan on the 10th of June. Relevant WP3 presentations were prepared and presented.

PADI2 (GRNET Third Party) Activities:

Dr. Bahjat participated in the EUMEDGRID PMB/TB held in Amman, Jordan on the 10th of June.

INFN Activities:

Maintenance and management of the Grid sites in Roma Tre, Catania and CNAF-Bologna with related services and installed applications

Red.Es Activities:

- Coordination of Task A3.4 – Network Resource Provision
- Coordination between EUMEDCONNECT and GÉANT2
- Coordination and contribution to the Networking requirements questionnaire
- Coordination with EUMEDCONNECT to ensure reliability and continuity of the network

Meetings: Esther Robles participated in the EUMEDGRID/EUMEDCONNECT meeting held in Amman, Jordan on the 10th of June.

Table 3 – WP3 roundup effort

Partner Short Name	Name and Surname	Activity	Worked Hours during the Quarter		Total N. of Hours delivered until now		Effort in the contract (in hours)[1]		Remaining Effort (in hours)[1]	
			Total	Funded	Total	Funded	Total	Funded	Total	Funded
INFN	Total	WP3	654	(621)	3.353	(2.653)	4.146	(2.991)	793	(338)
	Federico Bitelli	A3.2	-	-	165	(0)				
	Federico Bitelli	A3.3	8	(0)	46	(0)				
	Roberto Cecchini	A3.5	-	-	44	(0)				
	Paola Celio	A3.2	25	(0)	155	(0)				
	Riccardo Gargana	A3.2	225	(225)	981	(691)				
	Giuseppe Misurelli	A3.2	396	(396)	1.962	(1.962)				
CERN	Total	WP3	243,7	(243,7)	1.176,7	(1.176,7)	1.703	(1.703)	526	(526)
	John Shade	A3.3	21,5	(21,5)	132	(132)				
	Domenico Vicinanza	A3.3	222,2	(222,2)	1.045	(1.045)				
CYNET	Total	WP3	162	(142)	1.195	(1.036)	1.365	(1.157)	170	(121)
	Giorgos Athienitis	A3.2	15	(15)	15	(15)				
	Giorgos Athienitis	A3.3	15	(15)	15	(15)				
	Evi Constantinou	A3.1	30	(30)	30	(30)				
	Evi Constantinou	A3.2	20	(20)	20	(20)				
	Evi Constantinou	A3.3	10	(10)	10	(10)				
	Kyriakos Maifoshis	A3.1	0	(0)	19	(0)				
	Kyriakos Maifoshis	A3.2	0	(0)	65	(0)				
	Kyriakos Maifoshis	A3.3	10	(0)	44	(0)				
	Kyriakos Maifoshis	A3.4	10	(0)	31	(0)				
	Michael Theodoulou	A3.1	0	(0)	59	(59)				
	Michael Theodoulou	A3.2	12	(12)	352	(352)				
	Michael Theodoulou	A3.3	30	(30)	481	(481)				
	Michael Theodoulou	A3.4	10	(10)	34	(34)				
	Michael Theodoulou	A3.5	0	(0)	20	(20)				

Interim Activity Report – 6th Quarter

Partner Short Name	Name and Surname	Activity	Worked Hours during the Quarter		Total N. of Hours delivered until now		Effort in the contract (in hours)[1]		Remaining Effort (in hours)[1]	
			Total	Funded	Total	Funded	Total	Funded	Total	Funded
DANTE	Total	WP3								
GARR										
GRNET	Total	WP3								
	Eftixia Aspromati	A3.2	128,4	(128,4)	1.442	(1.739)	2.347	(1.840)	905	(101)
	Eftixia Aspromati	A3.3	-	-	138	(73)				
	Maria Athanasaki	A3.3	-	-	0	(65)				
	Kyriakos Gkinis	A3.3	-	-	0	(214)				
	Fotis Karagiannis	A3.3	-	-	62	(101)				
	Evaggelos Koukis	A3.3	23	(23)	142	(65)				
	Kostas Koumantaros	A3.1	-	-	0	(101)				
	Kostas Koumantaros	A3.2	-	-	78	(78)				
	Kostas Koumantaros	A3.3	-	-	304	(144)				
	Kostas Kyriazis	A3.3	42,4	(42,4)	52	(114)				
	Ioannis Liabotis	A3.1	-	-	0	(119)				
	Ioannis Liabotis	A3.2	-	-	152	(152)				
	Ioannis Liabotis	A3.3	-	-	55	(55)				
	Ioannis Liabotis	A3.5	63	(63)	224	(224)				
	Antonis Zisimos	A3.2	-	-	8	(8)				
	Antonis Zisimos	A3.3	-	-	50	(50)				
RED.ES	Total	WP3	136	(109)	332	(265)	390	(339)	58	(74)
	Alberto Perez	A3.4	24	(19)	68	(54)				
	Esther Robles	A3.4	112	(90)	264	(211)				
UoM	Total	WP3								
	Reggie Cushing	A3.2								
	Reggie Cushing	A3.3								
	Reggie Cushing	A3.5								
	David Mifsud	A3.2								
	David Mifsud	A3.4								
	David Mifsud	A3.5								
	Robert Sultana	A3.5								
CERIST	Total	WP3	100	(80)	1.710	(1.288)	1.860	(1.526)	150	(238)

Interim Activity Report – 6th Quarter

Partner Short Name	Name and Surname	Activity	Worked Hours during the Quarter		Total N. of Hours delivered until now		Effort in the contract (in hours)[1]		Remaining Effort (in hours)[1]	
			Total	Funded	Total	Funded	Total	Funded	Total	Funded
	Bouali Ali	A3.2	-	-	100	(80)				
	Bouabid Amine	A3.2	20	(16)	280	(224)				
	El-Maouhab Aouaouche	A3.1	-	-	80	(64)				
	El-Maouhab Aouaouche	A3.2	-	-	120	(96)				
	El-Maouhab Aouaouche	A3.3	-	-	120	(96)				
	El-Maouhab Aouaouche	A3.5	40	(32)	180	(64)				
	Hessas Faiza	A3.5	-	-	180	(144)				
	Brahimi Farida	A3.2	-	-	40	(32)				
	Ladour Hassina	A3.5	20	(16)	200	(160)				
	Bouabid Louiza	A3.2	-	-	40	(32)				
	Bouabid Louiza	A3.5	20	(16)	120	(96)				
	Chalabi Mahfoud	A3.2	-	-	40	(32)				
	El-Maouhab Mouloud	A3.3	-	-	20	(16)				
	El-Maouhab Mouloud	A3.4	-	-	90	(72)				
	Bentaleb Ouafa	A3.2	-	-	40	(32)				
	Asselah Salim	A3.2	-	-	60	(48)				
CNRST	Total	WP3	250	(140)	1.666	(1.295)	1.783	(1.387)	117	(92)
	Hassan Bouhaddou	A3.1	-	-	55	(45)				
	Hassan Bouhaddou	A3.2	-	-	45	(35)				
	Hassan Bouhaddou	A3.3	-	-	45	(30)				
	Hassan Bouhaddou	A3.4	30	(20)	70	(50)				
	Redouane Chajar	A3.2	-	-	130	(115)				
	Redouane Chajar	A3.3	-	-	48	(35)				
	Redouane Chajar	A3.4	-	-	40	(30)				
	Youness Hamidi	A3.2	-	-	130	(115)				
	Youness Hamidi	A3.3	-	-	55	(40)				
	Youness Hamidi	A3.4	-	-	50	(40)				
	Redouane Merrouch	A3.1	-	-	80	(70)				

Interim Activity Report – 6th Quarter

Partner Short Name	Name and Surname	Activity	Worked Hours during the Quarter		Total N. of Hours delivered until now		Effort in the contract (in hours)[1]		Remaining Effort (in hours)[1]	
			Total	Funded	Total	Funded	Total	Funded	Total	Funded
	Redouane Merrouch	A3.2	-	-	45	(40)				
	Redouane Merrouch	A3.3	40	(20)	75	(50)				
	Redouane Merrouch	A3.4	-	-	30	(20)				
	Redouane Merrouch	A3.5	70	(40)	175	(120)				
	Abdelfettah Mezziane	A3.2	-	-	130	(115)				
	Abdelfettah Mezziane	A3.3	-	-	48	(35)				
	Abdelfettah Mezziane	A3.4	-	-	40	(30)				
	Nabil Talhaoui	A3.1	-	-	70	(60)				
	Nabil Talhaoui	A3.2	-	-	40	(35)				
	Nabil Talhaoui	A3.3	20	(10)	55	(40)				
	Nabil Talhaoui	A3.4	-	-	50	(35)				
	Nabil Talhaoui	A3.5	90	(50)	160	(110)				
EUN	Total	WP3								
	Omar Karam	A3.3								
	Omar Karam	A3.5								
	Dina Barakat	A3.3								
	Dina Barakat	A3.4								
	Dina Barakat	A3.5								
	Hussein Lotfy	A3.3								
	Hussein Lotfy	A3.4								
	Tarek Edris	A3.4								
HIAST	Total	WP3	191	(191)	652	(652)	1.560	(1.326)	908	(674)
	Abdallah Issa	A3.3	136	(136)	298	(298)				
	Houssam MELHEM	A3.5	-	-	60	(60)				
	Ghassan SABA	A3.5	-	-	95	(95)				
	Moutasem Shafa Amry	A3.5	-	-	10	(10)				
	Maher Suleiman	A3.1	-	-	5	(5)				
	Maher Suleiman	A3.3	5	(5)	54	(54)				
	Maher Suleiman	A3.4	50	(50)	90	(90)				
	Maher Suleiman	A3.5	-	-	40	(40)				
MRSTDC	Total	WP3	44	(44)	1.508	(1.308)	1.960	(1.726)	452	(418)

Interim Activity Report – 6th Quarter

Partner Short Name	Name and Surname	Activity	Worked Hours during the Quarter		Total N. of Hours delivered until now		Effort in the contract (in hours)[1]		Remaining Effort (in hours)[1]	
			Total	Funded	Total	Funded	Total	Funded	Total	Funded
	Heithem Abbes	A3.1	-	-	96	(96)				
	Heithem Abbes	A3.2	8	(8)	80	(80)				
	Heithem Abbes	A3.3	-	-	16	(16)				
	Heithem Abbes	A3.4	-	-	192	(192)				
	Ahmed Elleuch	A3.4	-	-	96	(96)				
	Adel Essafi	A3.1	-	-	96	(96)				
	Adel Essafi	A3.2	8	(8)	80	(80)				
	Adel Essafi	A3.3	-	-	16	(16)				
	Adel Essafi	A3.4	-	-	192	(192)				
	Hazem Fkaier	A3.1	-	-	200	(0)				
	Mohamed Jemni	A3.2	-	-	20	(20)				
	Mohamed Jemni	A3.3	-	-	8	(8)				
	Mohamed Jemni	A3.4	8	(8)	244	(244)				
	Mohamed Jemni	A3.5	4	(4)	68	(68)				
	Sadok Mazigh	A3.2	4	(4)	4	(4)				
	Sonia Kallel	A3.1	-	-	8	(8)				
	Sonia Kallel	A3.2	-	-	8	(8)				
	Sonia Kallel	A3.3	-	-	16	(16)				
	Sonia Kallel	A3.4	12	(12)	68	(68)				
TUBITAK	Total	WP3	30	(30)	270	(30)	514	(274)	244	(244)
	Emrah Akkoyun	A3.2	30	(30)	30	(30)				
	Kursad Yusuf	A3.2	-	-	150	(0)				
	Kursad Yusuf	A3.3	-	-	90	(0)				

2.1.4. WP4: Applications Support

During this quarter the range of supported applications has been enlarged by means of the Web based questionnaire and by the first EUMEDGRID Grid School for Application Porting (EGSAP-1) held in Cairo in April 2007. The large effort spent in this event has produced nine new applications successfully ported on the pilot test-bed and a good dissemination effect on a widespread community raising the interest of several other research groups.

These achievements are due to the coordinated action of all the EUMEDGRID work-packages and the very positive attitude of all the researchers of the beneficiary countries involved who always showed an enthusiastic collaboration. For a more exhaustive report on the school, please see the following report of WP5.

The infrastructure was, is, and will continue to be validated by several selected applications. These validating applications include HEP applications, suitable for a robust implementation on a Grid environment due to their naturally batch-oriented (and trivially parallelizable) nature, thus allowing fast and effective testing of the infrastructure. WP4 was, and continues to be, essential in improving the state and quality of the EUMEDGRID infrastructure.

Together with these core set of pilot applications, during this quarter other applications were added during the 1st Grid School (EGSAP-1). The applications that were not implemented during the EGSAP-1 event, and those that have been proposed through the questionnaire since the end of the school, remain candidates to be ported onto the EUMEDGRID infrastructure with an adequate support from the WP4 team during the remaining part of the project. A lists the EGSAP-1 applications is available in the Annex I.

Shortly after the school INFN has prepared detailed instructions on how to install and test the applications gridified at EGSAP-1.

All submitted applications via both the old EUMEDGRID WP2 and the newest WP4 application selection forms are all potentially accepted to be ported on the EUMEDGRID infrastructure. Anyway some selection and evaluation considerations have been adopted in order to discard or accept the applications and assign them the right priority. Some other special considerations were taken in account for the selection and evaluation for the first grid school in Cairo (see QR5 report for details).

UoM Activities:

- Preparation of dissemination material regarding monitoring systems and CE/WN installation for the EGSAP-1 Grid School;
- Delivering the prepared material in the administrators tutorials at the EGSAP-1;
- Assisting in the on site installation and set-up of grid sites for use during the EGSAP-1 Cairo grid school.

CYNET Activities:

The EGSAP-1 applications have been successfully installed to the Genius web portal.

CERN Activities:

WP4.1 EGEE Applications

- Testing CMS SW on EUMEDGRID infrastructure <http://cern.ch/vicinanz/cmstesting>
- Preparing CMS SW installation scripts (for 14 sites).

WP4.2 Regional Application Support

- Prepared two demonstration storyboards for the CODESA-3D and Archaeogrid-MM5 videos.
- These will be uploaded on the project website and used for dissemination activities.

MRSTDC Activities:

MRSTDC continued activities of contacting new partners and potential users of Grid computing in order to promote new applications and to support regional applications.

In addition to three applications that participated in the school of Cairo, new applications are identified and we start working in deploying them.

CERIST Activities

- Dissemination of WP4 questionnaire before and during Algiers EUMEDGRID event (17-21 June 2007)
- Identification of user communities during this quarter
- Gathering of 22 responses for WP4 questionnaire and accessible through:
www.arn.dz/eumedgrid/wp4/consulter.php

HIASST Activities:

HIASST has submitted an application “Seeking an Acceptable Solution to Universe Within String Theory” to School EGSAP-1 where it was selected by the Selection Board. A team has started to work on programming the application from the scratch and implementing the main parts (serial parts) before going to the School EGSAP-1. The completion of the application programming and making it grid enabled was achieved during EGSAP-1.

CNRST Activities:

- Participation in the installation and the preparation of the first school EGSAP-1 in Cairo.

- Participation in the first school EGSAP-1.
- Assistance to the applications owners which have been deployed in the EumedGrid infrastructure in EGSAP-1 Contacts and meeting about the regional applications « GROGET » of Faculty of Sciences Meknes and « SACATRIGA » of Faculty of Sciences -Tetouan.
- Installation of EumedGrid Applications gridified during the EGSAP-1 in CNRST site.

TUBITAK Activities:

- Bogazici University, the third party of TUBITAK, has been developing the application “Human Memory Modeling by Simulation (HuM2S)” which is one of the supported applications in EUMEDGRID infrastructure.

Progress of HuM2S: A multi agent model for the memory fame model is developed and written from scratch in a single threaded way (Bingol, <http://arxiv.org/abs/nlin/0609033>) Local runs are made on personal computers and workstations.

Initially, the application was single threaded and porting to the grid environment is carried out as explained in the next section. Single threaded version accepts 5 parameters from the command line which are real numbers and outputs it results and logs in separate files in the same directory.

Between 23 -27 April 2007, Amac Herdagdelen participated in the first EUMED Grid School in Cairo. In this school, porting of the Java application to the Grid environment is carried out. The tasks that are started and completed during the school is as follows:

- Application is installed in UI
- Test runs are made in single threaded model (HuM2S.jar). Since the application is single threaded, a design decision to gridify the application was made. The gridification of the project was decided to be by done by submitting multiple jobs independent of each other at the same time.
- A bash script is written to submit parallel jobs using the globus toolkit commands (start_batch.sh). The script, reads the parameter settings from a plain file, creates an executable script (start_appl.sh) with a fixed jdl file (appl.jdl) and then submits a job for each line in the plain file.
- A bash script is written to poll the jobs and retrieve output when they are done.
- A bash script is written to integrate the individual output files into a single one.

Also, during the summer school, a graphical user interface was developed by the help of the tutors in the school. The user interface is based on Genius Portal and it lets the user upload the executable java class and parameter file. It simply accepts parameter settings from a file, executes the scripts explained previously in an automatic way and output the resulting files available for download.

Currently HuM2S has not obtained any results from the grid. The user interface was developed on the pilot infrastructure using a test VO. Current work is focused on porting the user interface on EUMED VO and obtaining results.

Red.Es Activities:

Antonio Fuentes participated as in the EGSAP-1 held in Cairo, Egypt between the 17th and 28th of April (<https://agenda.eumedgrid.org/conferenceDisplay.py?confId=18>) and provided support in matters related to this activity.

Table 6 – WP4 roundup effort

Partner Short Name	Name and Surname	Activity	Worked Hours during the Quarter		Total N. of Hours delivered until now		Effort in the contract (in hours)[1]		Remaining Effort (in hours)[1]	
			Total	Funded	Total	Funded	Total	Funded	Total	Funded
INFN	Total	WP4	45	(0)	260	(0)	3.294	(1.560)	3.034	(1.560)
	Giuseppe Andronico	A4.1	10	(0)	45	(0)				
	Giuseppe Andronico	A4.2	35	(0)	215	(0)				
CERN	Total	WP4	172	(172)	465	(465)	1.010	(1.010)	545	(545)
	Domenico Vicinanza	A4.1	121,8	(121,8)	121,8	(122)				
	Domenico Vicinanza	A4.2	50,2	(50,2)	343,2	(343)				
CYNET	Total	WP4	148	(125)	212	(189)	344	(266)	132	(77)
	Giorgos Athienitis	A4.2	12	(12)	12	(12)				
	Evi Constantinou	A4.2	38	(38)	38	(38)				
	Kyriakos Maifoshis	A4.2	23	(0)	23	(0)				
	Michael Theodoulou	A4.2	75	(75)	139	(139)				
DANTE										
GARR										
GRNET	Total	WP4								
RED.ES	Total	WP4	160	(128)	260	(208)	290	(246)	30	(38)
	Antonio Fuentes		160	(128)	260	(208)				
UoM	Total	WP4								
	Reggie Cushing	A4.1								
	Reggie Cushing	A4.3								
	David Mifsud	A4.2								

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Partner Short Name	Name and Surname	Activity	Worked Hours during the Quarter		Total N. of Hours delivered until now		Effort in the contract (in hours)[1]		Remaining Effort (in hours)[1]	
			Total	Funded	Total	Funded	Total	Funded	Total	Funded
	Robert Sultana	A4.2								
	Kevin Vella	A4.2								
	Kevin Vella	A4.3								
CERIST	Total	WP4	160	(128)	210	(168)	868	(773)	658	(605)
	El-Maouhab Aouaouche	A4.1	60	(48)	90	(72)				
	Benaissa Hassine	A4.1	20	(16)	20	(16)				
	Bentaleb Ouafa	A4.1	40	(32)	40	(32)				
	Asselah Salim	A4.1	40	(32)	60	(48)				
CNRST	Total	WP4	190	(120)	955	(770)	1.350	(1.105)	395	(335)
	Hassan Bouhaddou	A4.1	-	-	55	(45)				
	Hassan Bouhaddou	A4.2	20	(10)	75	(60)				
	Redouane Chajar	A4.1	-	-	65	(55)				
	Redouane Chajar	A4.2	-	-	50	(45)				
	Youness Hamidi	A4.1	-	-	65	(55)				
	Youness Hamidi	A4.2	20	(10)	80	(65)				
	Redouane Merrouch	A4.1	30	(20)	130	(95)				
	Redouane Merrouch	A4.2	30	(20)	100	(80)				
	Abdelfettah Mezziane	A4.1	-	-	55	(45)				
	Abdelfettah Mezziane	A4.2	10	(10)	70	(65)				
	Nabil Talhaoui	A4.1	-	-	70	(55)				
	Nabil Talhaoui	A4.2	80	(50)	140	(105)				
EUN	Total	WP4								
	Hussein Lotfy	A4.2								
HIAST	Total	WP4	512	(512)	662	(662)	1.300	(1.105)	638	(443)
	Abdallah Issa		96	(96)	116	(116)				
	Nizar Al-Hafez		152	(152)	192	(192)				
	Iyad Sbaie		208	(208)	248	(248)				
	Nidal Shamoun		56	(56)	66	(66)				
	Maher Suleiman		0	(0)	40	(40)				
MRSTDC	Total	WP4	276	(276)	792	(692)	650	(455)	-142	-(237)
	Heithem Abbas	A4.2	16	(16)	48	(48)				

Interim Activity Report – 6th Quarter

Partner Short Name	Name and Surname	Activity	Worked Hours during the Quarter		Total N. of Hours delivered until now		Effort in the contract (in hours)[1]		Remaining Effort (in hours)[1]	
			Total	Funded	Total	Funded	Total	Funded	Total	Funded
	Heithem Abbes	A4.3	16	(16)	72	(72)				
	Ahmed Elleuch	A4.3	8	(8)	16	(16)				
	Adel Essafi	A4.2	16	(16)	48	(48)				
	Adel Essafi	A4.3	16	(16)	72	(72)				
	Mohamed Jemni	A4.2	44	(44)	124	(124)				
	Mohamed Jemni	A4.3	48	(48)	112	(112)				
	Mohamed Louhichi	A4.2	-	-	100	(0)				
	Sadok Mazigh	A4.3	8	(8)	8	(8)				
	Sonia Kallel	A4.2	56	(56)	96	(96)				
	Sonia Kallel	A4.3	48	(48)	96	(96)				
TUBITAK	Total	WP4	337	(167)	427	(167)	395	(200)	-32	(33)
	Burcu Akcan	A4.1	90	(0)	100	(0)				
	Burcu Akcan	A4.2	20	(0)	40	(0)				
	Burcu Akcan	A4.3	0	(0)	60	(0)				
	Emrah Akkoyun	A4.1	30	(30)	30	(30)				
	Haluk Bingol	A4.2	30	(0)	30	(0)				
	Amac Herdagdelen	A4.2	137	(137)	137	(137)				
	Can Ozturan	A4.2	30	(0)	30	(0)				

2.1.5. WP5 – Dissemination

The reporting period was characterized by a very intense dissemination activity. This involved the following:

- ▶ Revision and update of old dissemination materials (including the delivery of a usability survey to improve the website and tools) and the production of new ones;
- ▶ Organization of events aiming at different audiences (workshops, tutorials)
- ▶ Participation to external events at national/international level, often in cooperation with related projects;
- ▶ Issue of press releases and follow-up materials and related press activities.
- ▶ Organization of project events and planning of the project participation to external events for the next project months.

Furthermore, an intense effort was devoted to the revision of the outreach and overall dissemination plan, in order to meet the recommendations from the reviewers and to improve the impact of EUMEDGRID both in Europe and the Mediterranean.² The first measures undertaken are reflected in the approach used for the above activities.

A5.1 – Project dissemination activities

2.1.5.1.1. Organization of dissemination events

During the reporting period, two large events, whose organization begun in the previous quarter, were held in two partner countries, i.e. Jordan and Algeria. Both workshops aimed at reaching directly relevant stakeholders in the Mediterranean countries, but target different audiences. Indeed they represent two different models (for a general discussion of the subject, see .D5.4): the Amman event is an instance of the top-down dissemination approach and aims at reaching policy and decision makers, executives in Research organizations etc. It is mainly meant for those countries where the politic (and possibly financial) support to NGIs is still to be secured (or increased, or renewed). The Jordan third party has been very active in the last few months in order to reach this objective and an intense lobbying activity has carefully prepared the event.

On the other hand, the Algiers event is an instance of the bottom-up approach; it is intended to those countries where the sustain of policy makers is already secured or well on (it should be noticed that, according to the findings of the NGI questionnaire, reported in D5.2, the Algerian partner was the first one to secure national funding to the new-born NGI), and aims at approaching new user community

² The measures planned to address the recommendations emerged from the review are described in the official document delivered to the EC services; for the new dissemination plan, see D5.4 (<http://www.eumedgrid.org/deliverable/D5.4.html>), which was widened in scope to include not only a revision of the training activities, but of the overall dissemination activity. The deliverable was slightly delayed in order to address the additional issues, not originally foreseen by the TA.

and consolidate the existing, by delivering advanced knowledge and disseminating the project results and activities. e-Infrastructures for Research and Education to Promote Development, held on 7-9 June 2007 in Amman (Jo) (<https://agenda.eumedgrid.org/conferenceDisplay.py?confId=41>)

The workshop took place at the premises of INTERCONTINENTAL Hotel (see details at: <http://conf.junet.edu.jo/>). It consisted of two days with similar presentations addressing different audiences, the first one (Thursday 7th June) addressing the research community, while the second targeted politicians and decision makers, so that the language and scope of presentations was slightly different. Each workshop was conceived as a single information day aiming at providing a complete picture of eInfrastructures in Europe and the Mediterranean and their role towards facilitating the scientific, technological and social development.

A programme committee including the following persons was created in order to individuate appropriate contents and speakers for the event:

- ▶ Giuseppe Andronico (INFN)
- ▶ Roberto Barbera (INFN)
- ▶ Fotis Karayannis (GRNET)
Kostas Koumantaros (GRNET)
- ▶ Ioannis Liabotis (GRNET)
- ▶ Mohammad Mabrouk (JuNet)
- ▶ Bahjat Qazzaz (PADI2)
- ▶ Federico Ruggieri (INFN)
- ▶ Badie Sartawi (PADI2)
- ▶ Maher Suleiman (HIAST)
- ▶ Federica Tanlongo (GARR)

The following objectives were identified for the event:

- ▶ To focus on the Research & Education Networking and the importance of having a National Research and Education Network (NREN) in each country
- ▶ To introduce the EUMEDCONNECT Project as a platform for collaboration between researchers in the Mediterranean region (examples and success stories to be presented)
- ▶ Promote International collaboration, specifically with Europe, in scientific and educational domains
- ▶ The European role in funding the NRENs and in funding the scientific research in general (Focus on FP6 , FP7 and other similar programs for funding)
- ▶ Introduce the GRID

- ▶ Introduce the EUMEDGRID project as one of the most important success in using the EUMEDCONNECT
- ▶ Focus on the achievements of the EUMEDGRID project (applications, demos...)
- ▶ Introduce some success NRENs in the Mediterranean countries (Morocco, Algeria, Egypt, Syria, Tunisia and Palestine)
- ▶ Elaborate on the Jordanians efforts and initiatives

Day 1 (7 June) This workshop targeted an Academic and Scientific audience, namely:

- ▶ Scientists with demand for computing power
- ▶ Computer Center Managers
- ▶ Deans of Research
- ▶ Representatives of National Research Centers, Hospitals

The local partners proceeded to identify relevant stakeholders from the National Scientific and Academic communities of Jordan, Palestine and Syria (universities, research centres, NGOs etc) and to invite them to the event (the participation was in fact by invitation only). Attendees took part in the event and received an information kit including leaflets and paper materials and a CD containing.

Slides and materials from the presentations are available at:

<https://agenda.eumedgrid.org/conferenceTimeTable.py?confId=41>

The final session included an open discussion, in which some aspects were highlighted, in particular the monopolist model and its consequences for the academic & research networking and eScience at large in the Mediterranean Countries. Plans on Jordan becoming a neutral regional hub towards EU for Iraq, Lebanon, Palestine and Syria.

Day 2(9 June), The second part of the event was conceived as an high-level information day and was held in the presence of several ministers and executive-level civil servants. The first session in the programme featured brief presentations of EU success stories and discussions about the necessity and role of eInfrastructures for research. Vasilis Maglaris, Chairman of NREN-PC of GN2, gave a short presentation on “the Pan-European Network GEANT and the necessity of National Research and Education Networks”; Enzo Valente, Director of Consortium GARR and partner of EUMEDCONNECT gave a presentation about the EUMEDCONNECT network and its possible future, discussing the success story of the creation of Red Clara in Latin America as an outcome of the ALICE project. Finally Federico Ruggieri presented an introduction to the Grid Paradigm and the existing grid projects all around the world, with special reference to the ones established in the European FP6. Then he discussed the approach adopted by EUMEDGRID in order to build a Mediterranean Grid and connect it to the European one. He also underlined the importance of such initiative as a tool to promote collaboration and fight the digital divide and brain drain.

The second session was devoted to eInfrastructures and included presentations about an example of European NREN (by Fotis Karayannis), the EUMEDGRID project and its present achievements (by Roberto Barbera) and the SEE-GRID success story (by Ognjen Prnjat). The programme included a session where speakers from the Research and Education Jordanian community illustrated eInfrastructure experiences and perspectives in Jordan.

A panel session “Discussing the future” addressed:

- ▶ The future of EUMEDCONNECT project and the possible role of Jordan as a hub for the Mid-Eastren region,
- ▶ The future of grid infrastructure and applications in the Mediterranean region, mentioning the MEDIAN project
- ▶ The NAP (Neutral Access Point) initiative - the idea is to have 4 NAP, in Morocco, Dubai, Amman and Cairo and covering all Arab countries in the area and connecting to the global internet this is expected to reduce overall costs for international connectivity while improve capillarity and usage of IP based communication and deploy new services such as VoIP etc
- ▶ The consortium of Arab-Mediterranean countries starting from the Declaration of Rome, signed in last September (in occasion if the EUMEDGRID conference).

The workshop was took as an opportunity to organize several side-meeting, including internal meetings as the TB and PMB and a meeting with the management of the SESAME infrastructure and with executives in the Royal Scientific Society (see contacts in annex I).

A number of dissemination activities were connected to this event, as the draft, translation and distribution of a press release and the creation of relevant dissemination materials.

2.1.5.1.1.1. EUMEDGRID Workshop 2, held in Algiers on 17 June, see details and agenda at:
<https://agenda.eumedgrid.org/conferenceDisplay.py?confId=31>

The workshop was held at the premises of CERIST, the Algerian partner, and transmitted in streaming on the Algerian National Research and Education Network (ARN). Three university centers in the country were participating remotely in real time and took part as well to interactive sessions, Q&A etc:

- ▶ Université Es-Senia (Oran).
- ▶ Université Abderhmane Mira (Bejaia).
- ▶ Université Hadj Lakhdar (Batna).

This aspect was extremely useful in order to maximize the impact of the event and allow researchers and students who would not be able otherwise, to follow the event. Furthermore, the whole content of the workshop and of the connected tutorial, encoded in WMP, was made available to Algerian users on the internet: see <http://www.arn.dz/eumedgrid/stream-june07>. This turned to be extremely useful (in particular as to the dissemination of advanced knowledge, being the participation to the tutorial limited

for organizational reasons), as the workshop and the tutorial were widely advertised within the Algerian user community and had a very high number of registrations, thus resulting one of the most successful EUMEDGRID event held so far in term of number of contacts.

The event targeted the current and potential Grid user communities in the Algerian Scientific community and was based on the success of a similar pilot event, held in Marrakech, during Quarter 4(see appropriate report for references).

As mentioned above, the Algiers event is an instance of the bottom-up approach and it is intended to approach new potential user communities and update the old ones about the project results and activities. As the audiences of the events are different, different is also the content presented, as well as the profile of the speakers. Most of them where part of the project staff and their presentations aimed at illustrating those aspects of the project objectives, methods and works that are most relevant for researchers, as well as the ways in which new users can interface and interact with the project. A large space was devoted to some results of the EGSAP-1 school on application porting (see a full report here below), both in terms of training/tutoring and of the scientific/technical results obtained: case histories were shown to encourage researchers to propose their own application for the porting.

A Q&A session concluded the event, in which several topics were tackled, including the benefits of taking part in collaboration with counterparts in Europe and the access to the EC Framework programme.

2.1.5.1.2. Preparation of a Workshop in Damascus (Syria) in September

A workshop will be organised in Syria with similar format to the Amman conference in early September and a tutorial for Users and System Administrators will be appended.

2.1.5.1.3. Preparation of Policy Event in collaboration with EUMEDCONNECT and GEANT2

At the PMB in Amman in June it was announced that EUMEDCONNECT and GEANT were preparing a policy event in Brussels in October 2007 to promote the Communication Networks for Research and Education in the Mediterranean Area. It was then proposed to merge this event with the foreseen conference of EUMEDGRID originally planned in Greece.

With the agreement of all the involved parties, the Conference has been extended to one and a half day and rescheduled to include also Grids. F. Ruggieri, F. Tanlongo, E. Valente and F. Karayannis were also included in the organising committee.

Participation to external events

2.1.5.1.4. Participation to the EGEE User Forum in Manchester (UK)

The EGEE User Forum was held in Manchester from 7 to 11 of May 2007 and EUMEDGRID contributed with a presentation:

“A GRID infrastructure to promote cooperation across the Mediterranean - The EUMEDGRID Project” by R. Barbera, EUMEDGRID Technical Manager;

and a poster:

“Archaeological Applications on e-Infrastructures by ArchaeoGRID” by P.G. Pelfer.

For more information on the EGEE UF: <http://egee-intranet.web.cern.ch/egee-intranet/User-Forum/>

2.1.5.1.5. Joint presence at G8-UNESCO World Forum on 'Education, Research and Innovation: New Partnership for Sustainable Development' at ICTP, in Trieste

The Project, in close coordination with sister projects EELA, EUChinaGRID and EU-IndiaGrid, took part in the G8-UNESCO World Forum on 'Education, Research and Innovation: New Partnership for Sustainable Development', held on 10-12 May at ICTP, in Trieste (Italy). A part of the activities aiming at preparing the project's presence started during the previous quarter (see QR5 for details).

The participation to the event was a landmark for dissemination activities in this quarter: the themes of the workshop and its target attendance were indeed deemed as extremely relevant for the scope of EUMEDGRID and its sister projects and, accordingly, a considerable effort was devoted to prepare the participation. G8-UNESCO World Forum on Education Research and Innovation (see: <http://g8forum.ictp.it/> for further information) built upon the ongoing discussion on the interconnections between the three components of the triangle of knowledge i.e. education, scientific research and technological innovation), from the point of view of sustainable development.



The ICTP Director, Prof. Katepalli Srenivasan, host of the G8-UNESCO World Forum in front of the Projects stand with EUMEDGRID Pproject Manager Dr. F. Ruggieri

The event brought together about 700 delegates from all over the world and saw the active participation of the UNESCO Secretary-General, the Italian Prime Minister, Romano Prodi, several

members of national Governments and very high-level scientists. Thanks to the good relationships between the projects and ICTP, host of the event, a booth dedicated to “Worldwide Grids for Research, Innovation and Development” was secured and furnished.

The position of the booth in the conference centre was very good (placed at the entrance of the conference room) and the layout included a common, wide poster on worldwide grid projects and well visible pop-up banners for each project. It was by far the most attended, thanks to the visual marketing and a good mix of dissemination material including the project brochures, leaflets, gadgets and other dissemination materials (see here below).

The materials composing the booth layout include the following:

- ▶ Large joint poster on “The Grid: Driving Innovation and Development in Global Science”;
- ▶ Pop-up banners for each of the projects, displaying very general information (logo, partners, website, co-funding by EC);
- ▶ Small (A3) posters of the projects;

The content and layout of the joint poster was jointly created by a task force composed by project staff of the sister projects, while for the banners each project produced its own on the basis of an agreed general format.³

A participants’ kit and was agreed and produced in collaboration with sister project. The kit was distributed to all delegates registering to the booth in a shopping bag customised with EUChinaGRID/EUMEDGRID logos, included:

- ▶ Information sheets and leaflets of each of the projects;
- ▶ Common leaflet on “Grids for development”
- ▶ Leaflet “what are Grids?”;
- ▶ EGEE information materials;
- ▶ Small gadgets with the projects’ logos (including EUMEDGRID table clock).

People had the opportunity to choose whether subscribing or not to one of more open mailing lists of the project, according to the region(s) of their interest. ~ 200 delegates from all around the world registered to get the participant’s kit and a larger part of them subscribed the mailing list as well4.

A special version of the participants’ kit was assembled for the accredited press. This included the joint press release (see below) and a soft copy of the press kit, provided in Italian and English on a

³ Some of the materials for this and other common dissemination actions are hereinafter attached in Annex I to this document

⁴ See the list of contacted persons in Annex I to the document.

gadget USB pen drive). This was done in order to provide further information to interested journalists, facilitate them in cut-and-pasting sentences from the materials in their articles, provide them with pictures etc.

The press release and kit was also translated in several languages and distributed to each project's press contacts.

The G8-UNESCO forum experience was evaluated as very effective and it was agreed to plan similar efforts in the next few months. The form and extent of such effort is in process of being formalized and defined in the framework of bilateral Memorandums of Understanding. More in detail, joint materials and booth are planned for the IUGG2007 in Perugia (Italy), a large happening dedicated to the worldwide community of Geologists see <http://www.iugg2007perugia.it/> and the EGEE07 conference in Budapest. For the latter event, a workshop on Grids and their role in sustaining development is presently under discussion. Further information on the participation to these events will be reported in the next quarterly report.

2.1.5.1.6. Participation to IST-Africa 2007

In collaboration with the sister project EELA, the project took part in the IST-Africa 2007 Conference & Exhibition, which took place on 9 - 11 May 2007 in Maputo (Mozambique). The conference was part of an initiative, supported by the European Commission under FP6, which addresses leading organizations from the commercial, governative and research domains and focuses on strategies towards bridging the Digital Divide and promoting global sustainable development in the continent.

The event was therefore deemed as very relevant to the EUMEDGRID scope and a workshop was organized there in collaboration with sister project EELA (see programme at: <http://www.ist-africa.org/conference2007/default.asp?page=schedule-view&schedule.id=70&schedule.day.date=2007-05-10%2000:00:00.0&schedule.slot.time=11:00&schedule.event.pos=1&schedule.event.id=3383&schedule.day.pos=#slot2007-05-10%2000:00:00.0T11:00>); the paper presenting the general concept inspiring the workshop is available on the EUMEDGRID Document server at: <https://documents.eumedgrid.org/record/242>; topics included the role of training infrastructures and the GILDA experience and a presentation about the application of the CODESA3D application running on EUMEDGRID to the Seawater Intrusion of the Korba Aquifer (Tunisia). The latter presentation was especially appreciated and the connected article won the Conference's Best Paper Award. The full paper is available at: <https://documents.eumedgrid.org/record/315>

Other events at the national and international level were attended. See the partners' report here above for a full account.

2.1.5.1.7. Maintenance and improvement of dissemination and collaboration tools

Several activities aiming at maintaining and enhancing the functionalities of the EUMEDGRID dissemination and collaboration tools were performed in the reported period, including of course the daily management and update of the website, mailing lists and tools, the creation of special web pages to provide information about specific events and the delivery of a usability survey.

The survey was performed by a focus group of people belonging to the EUMEDGRID community and a second group of outsiders. The individuals to be included in the groups were from several partner and non-partner countries, in order to take into account possible differences in the perception and use which may be determined by cultural habits, language etc. The response from both groups have been analysed and a full account is provided in D5.4. On the basis of the results, the dissemination team proposed some corrective measures in order to solve emerged problems and improve the overall usability of the website as well as the available contents. The results of the survey and the measures proposed to answer them will be reported as a part of D5.4.

The translation of EUMEDGrid web site to Arabic was performed by CNRST. Some work has been carried out in order to overcome some difficulties with the use of the EUMEDGRID stylesheets and the Arabic website should be made ready in brief.

A5.2 – Dissemination of Advanced Knowledge Activities

2.1.5.1.8. Organization of training events

Several training events, whose organization begun during the previous quarter (see 5th QR for a full account), were delivered in the reporting period, as summarized in the table here below:

Date	Location	Meeting	Attendees
15-16/04/07	Cairo (Egypt)	ROC-on-duty tutorial	Sysadmin: 25
17-28/04/07	Cairo (Egypt)	First EUMEDGrid School for Application Porting (EGSAP-1)	Users: 18
07-11/05/2007	Madrid (Spain)	6th EUMEDGRID TUTORIAL (USERS AND SYSTEM ADMINISTRATORS)	Users: 35 Admin: 31
18-21/06/2007	Algiers (Algeria)	EUMEDGRID User and Site administration Tutorial	Users:40 Admin: 20

Table 4 – Dissemination of advanced knowledge events delivered in the reporting period

For all of these events a common set of objectives can be summarized as below:

- ▶ Dissemination of grid computing skills.
- ▶ Prepare scientists to use grid infrastructure.
- ▶ Dissemination of site administration knowledge.
- ▶ Prepare technicians to create and manage grid infrastructure.
- ▶ Involve EUMEDGRID partner resources to be new tutors

2.1.5.1.8.1. ROC-on-duty tutorial

The “Roc on Duty” tutorial has been organized in order to give to new grid site administrators the right knowledge and competences about Grid Site installation, configuration and maintenance. The “Roc on Duty” tutorial paid particular attentions to the Grid site monitoring and troubleshooting as well.

The ROC-on-Duty team proceeded to install all EUMED services and contributed to the implementation of the replica infrastructure to be used during the EGSAP-1.

Topics:

- ▶ Installation and troubleshooting of the most important grid services
- ▶ Presentation of the most important grid monitoring tools: SAM, GridICE, Gstat
- ▶ Hands on sessions simulating the site administrator’ duties.

2.1.5.1.8.2. First EUMEDGRID School for Application Porting (EGSAP-1)

The first one, the EGSAP-1 (1st EUMEDGRID School for Application Porting, see <http://www.eumedgrid.org/egsap-1/>) was held in Cairo on 17-28 April 2007 and was deemed of paramount importance for the uptake of new applications on the regional pilot infrastructure. The EGSAP-1 school was accordingly one of the largest dissemination efforts the whole lifetime of the project. The school was conceived as a full immersion experience for selected new communities of regional interest, thus contributing in involving them in the project activities, while providing them the knowledge needed to build upon the eInfrastructure and deploying their own application. As mentioned above, the newly deployed applications were also used as success stories to further disseminate the project results (as well the potential of grid technologies) to a wider audience of potential users.

The main aim of the event was porting selected scientific applications (see QR5 for an account of the selection criteria and procedures) on the EUMEDGRID infrastructure. The school was designed as a 11-days long (from 17 to 28 April), full-immersion experience targeting developers from Mediterranean Research groups. As described in detail in QR5, where the technical requirements as well as all activities carried out in order to set-up and organise the event are described in detail, and pointed out in the previous paragraph, the didactic environment was a fully independent training Infrastructure implemented on site as an exact replica of the pilot test-bed of the EUMEDGRID Project.

The programme covered in-depth the main topics of grid technology, as well as the EGEE/EUMEDGRID middleware technicalities and included lectures and tutored hands-on practices. The latter were tailored on the specific applications: for this reason, the input from the questionnaire, integrated by a technical overview provided by the authors of the applications before the event and illustrated at the very beginning of the school, was studied by the tutoring team and translated in a set

of requirements for the deployment. Each tutor specialized on one or more applications, according to their complexity, and worked together with the authors, thus refining and customizing the details of the porting procedure. The students, accommodated in the same structure as in a campus, had the opportunity to collaborate and discuss their progresses around the clock with the tutors and among themselves.

In order to maximise the didactic impact and effectiveness, the number of applications to be ported was limited to 10 applications. Due to several difficulties to come in Egypt from one of the selected team just 9 applications were effectively participating to the school, as summarised in the table here below.

Application	Country	Institute	Application domain
HERO	Egypt	Helwan University	Bioinformatics/computational fluid dynamics
GROGET	Morocco	Faculté des Sciences de Meknes	Engineering/Robotics
PAREL	Tunisia	ESSTT	Mathematics
SimCommsys	Malta	University of Malta	Engineering/TLC
HuM2S	Turkey	Bogazici University	Cognitive Sciences
JP2_GRID	Tunisia	ESSTT	Engineering/Image compression
RECCHAR	Tunisia	MIRACL	Engineering/OCR
MINSP	Syria	HIASST	Theoretical physics
SACATRIGA	Morocco	UAE/FST Laboratory of Radiation & Nuclear Systems	Engineering/Thermodynamics

A table briefly describing each of the EGSAP-1 applications can be found in Annex I to this document, where the detailed programme of the lectures and hands-on is as well provided. All EGSAP-1 materials are available on the online project agenda at: <https://agenda.eumedgrid.org/conferenceOtherViews.py?view=standard&confId=18>

The event was widely advertised and several related dissemination activities were carried out, including a press release, interviews et. Several press cuttings were published concerning the school in Europe and especially in Egypt. This event was definitely a good occasion for disseminating the e-Science paradigm.

Feedback and conclusions.

The average feedback for the school was of 5,33 out of 6. The event was really appreciated as well as the local organization provided by EUN. The feedback was really high in comparison to previous dissemination experiences. This success was maybe due to the bigger time available both for students

and tutors. The time availability gave to the students the possibility to make good practice with the local grid infrastructure.

All selected applications were ported to the EUMEDGRID e-infrastructure. Moreover these applications have been also ported to the GENIUS web portal. All attendees required a user certificate in order to access to the EUMEDGRID e-infrastructure.

This event can be considered one of the most important events in the EUMEDGRID both for the impact on the Mediterranean scientific community and from the good feedbacks obtained by the attendees.

2.1.5.1.8.3. Tutorial – 6th EUMEDGRID TUTORIAL (USERS AND SYSTEM ADMINISTRATORS)

The 6th tutorial was held in Madrid on 7-10 May. It was organized in collaboration with the EGEE and EELA projects and organised according to the standard format of Users and system administrators tutorials. The following topics were tackled during the event:

- Introduction to GILDA t-infrastructure.
- Overview of the EUMEDGRID infrastructure and other EGEE e-infrastructures (EELA)
- Overview of the main services of the gLite middleware.
- Practical sessions on main services of the gLite middleware.
- Installation and configuration of the main resources for a base configuration of a gLite site.
- Installation and configuration of the main services of the gLite middleware.

Further information on the event, a full agenda and the set of supporting materials used by tutors can be found at: <http://www.irisgrid.es/tutorial2/>

Feedback

The System Administrators' average feedback was of 4,5 out of 6, while the users' one was a little higher: 4,71. An interesting note emerged from the feedback having the students a good knowledge of UNIX, Linux and parallel computing, they were very interested trying to fit the explained gLite middleware capabilities to their needs.

2.1.5.1.8.4. Tutorial – EUMEDGRID User and Site administration Tutorial, Algiers (Algeria)

The 7th EUMEDGRID tutorial was held in Algiers from ... to., in conjunction with the workshop mentioned in the chapter here above. A full agenda, as well as the set of support materials, list of registrants etc can be found on the project online agenda at:

<https://agenda.eumedgrid.org/conferenceOtherViews.py?view=standard&confId=35> (user tutorial) and <https://agenda.eumedgrid.org/conferenceOtherViews.py?view=standard&confId=36> (system administrator tutorial). The following topics were illustrated during the event:

- ▶ Introduction to GILDA t-infrastructure.
- ▶ Overview of the EUMEDGrid infrastructure
- ▶ Overview of the main services of the gLite middleware.
- ▶ Practical sessions on main services of the gLite middleware.
- ▶ Use cases of application porting on the GENIUS web portal
- ▶ Installation and configuration of the main services of the gLite middleware.

Feedback

The general feedback from students was a bit lower than previous experiences (i.e.. 4.45 out of 6 for System administrators and 4.11 for Users). A well-known problem and widely diffused on Mediterranean countries is that attendees are well prepared on Windows systems but they don't know very well some important concepts of UNIX environments. This makes hard to explain gLite services since they are strongly based on UNIX OS. The evidence of this problem can be appreciated noticing the difference of feedback values between user tutorial and site admin tutorial. The second type of event requires indeed a deeply knowledge of UNIX/Linux.

UoM Activities:

Planning for the November one day workshop in Malta.

MRSTDC Activities:

In order to promote NGI and disseminate results of EUMEDGRID, many local seminars, meetings and contact were organized during this quarter.

CERIST Activities:

- Organisation of the second EUMEDGRID workshop (17 June 2007) :

- with video-conference facilities with 3 Algerian sites at 3 universities (Oran, Batna and Bejaia) and 1 video-conference with INFN (Catania)
- on-line streaming of the event through : www.arn.dz/eumedgrid/stream-june07

- Organisation of two tutorials :

- User tutorial 18-19 June 2007 (38 attendees)
- Manager tutorial 20-21 June 2007 (16 attendees)

- Preparation and setup of algerian website for this event : www.arn.dz/eumedgrid

HIAST Activities:

- Attending JUNet Conference at Amman.
- Writing an article introducing EUMedGrid Project published in “info magazine”, a monthly magazine issued by the Syrian Computer Society “www.infomag.news.sy”. The article, was published in the issue No. 16 June 2007.

CNRST Activities:

- Translation of EUMEDGRID web site to Arabic. It will be published as soon as possible.
- Presentation of Moroccan NGI MaGrid and EumedGrid support in different Events:
 - Rabat: Marwan workshop
 - Meknes: Open Source workshop
- Preparation of a grid tutorial for the workshop of Faculty of Science -Rabat Agdal which will be held in the end of July 2007.

TUBITAK Activities:

Participated Event: Turkish Atomic Energy Authority (TAEK) Seminar (10 April 2007, Ankara)
(Audience: ~ 50)

An Introduction to Grid Computing and Grid Projects, Dr. Burcu Akcan and Onur Temizsoylu

Participated Event: VI.Linux and Free Software Festival (3-6 May 2007, Ankara)

<http://senlik.linux.org.tr/2007/>

(Total audience in different slots: ~ 1000)

- What is Grid?, Dr. Cevat Sener
- TR-Grid NGI, Grid Projects and Applications, Dr. Burcu Akcan
- Grid Services, Asli Zengin
- Job Submission in Grid and Demonstrations, Onur Temizsoylu and Feyza Eryol

Organized Event: EUGridPMA 10th Meeting (30 May- 1 June 2007, Istanbul)
<http://www.eugridpma.org/meetings/2007-05/>

(Audience: 30)

Organized Event: YEF@TR-Grid Meeting (7 June 2007, Ankara)

(Audience: 15)

The expectations of HEP users in Turkey and the advantages of being a TIER-2 center was discussed in a round table meeting.

Translated Materials:

EUChinaGrid, EUIndiaGrid, EUMEDGrid and EELA Collaborations

http://www.grid.org.tr/servisler/dokumanlar/Grid-and-cooperation_TR.pdf

International Grid Projects in G8-UNESCO Forum

http://www.grid.org.tr/servisler/dokumanlar/G8-UNESCO_Grid_Projects.pdf

Press Release: Applications Running on the EGEE Grid Infrastructure (preparation date: 13-14 June 2007) http://www.grid.org.tr/etkinlikler/Info_EGEE_Uygulamalari.pdf

Red.Es Activities:

Red.es/RedIRIS organized a joint EUMEDGRID/EELA/EGEE-II Tutorial in Madrid, from the 7th to the 11th May 2007, attended by 40 people (<http://www.irisgrid.es/tutorial2/>).

Red.es/RedIRIS started later to organize a new joint EUMEDGRID/EELA/EGEE-II Tutorial which will take place in Seville from 10th September to 14th September (<http://www.irisgrid.es/tutorial3/>).

Antonio Fuentes participated as tutor in an EUMEDGRID Tutorial which took place in Algiers from the 17th to the 21st June (<http://www.arn.dz/eumedgrid/index-en.htm>).

Antonio Fuentes also participated in a EUMEDGRID Workshop that took place in Algiers on the 17th June, and made a presentation on “Introduction to Grids and eInfrastructures” (<https://agenda.eumedgrid.org/contributionDisplay.py?contribId=18&confId=31>).

Antonio Fuentes also attended the IBERGRID Meeting, and on the 16th May, he was one of the speakers at the presentation on “Spanish e-Science Network & National Grid Initiative in the Framework of the European Grid Initiative” (<http://www.ibergrid.eu/program3.htm>), during which he highlighted the relevance of EUMEDGRID in that context.

Alberto Pérez translated into Spanish a EUMEDGRID Press Release (“Proyectos internacionales de grid para impulsar el desarrollo en el forum G8-UNESCO” - “International Grid projects for development at G8-UNESCO forum”, distributed to grid-related lists and specialized media) and Maria Bolado, who contributed significantly to the organization of the Tutorials, also made a publication (RedIRIS Bulletin n. 80 – April 2007 – ISSN 1139-207X), in which information about EUMEDGRID was provided.

CYNET Activities:

During the 6th quarter CYNET has translated the press release about the G8-UNESCO forum into Greek and distribute it to its partners. CYNET has also contributed to deliverable D2.2 by providing information about the hardware and software of Grid here in Cyprus. In addition CYNET has attended FP6–2004–Infrastructures–6–SSA–026024

to the Project Management Board / Technical Management Board meeting that was held in Jordan on 10 June.

GARR and CRS4 activities:

As coordinator of the WP, GARR was heavily involved in the organization of the overall dissemination activity (organization events, revision of the materials etc, individuation of relevant events in which the project should participate, common strategies with related projects etc); in particular, GARR staff coordinated the organization of the EGSAP-1 school, in collaboration with the local partner EUN and INFN as to the training aspects. GARR was as well deeply involved in defining the contents and programme of the workshops in Algier and Amman. Furthermore GARR staff was involved in the revision of dissemination materials due on PM 15 and in the draft of D5.4. Finally, GARR staff was involved in the delivery of the usability survey (reported extensively as a part of the D5.4). Daily maintenance and update of the project online tools, mailing lists and website were as well carried out.

As a third-party activity should be highlighted the participation of Giuditta Lecca, from CRS4, to IST-Africa 2007, where a workshop on the role of Grids towards sustainability was organised in collaboration with the EELA project (see the report above and the TA). Thanks to CRS4 staff, the project poster was displayed and presented in the poster session of the workshop on “Grid Portals and Data Management techniques for ES Applications, held in Pula on 14-15 June (further information at: <http://www.eu-degree.eu/DEGREE/wpx/private-folder/crs4-meeting/workshop-on-grid-portals-and-data-management-techniques-for-es-applications-sardinia>)

GRNET Activities:

Kostas Koumantaros Organised and Chaired the ROC on Duty tutorial for System Administrators in Cairo Egypt between the 15th and 16th of April 2007.

Evaggelos Koukis, Kyriakos Gkinis participated as trainers in the EGSAP-1 held in Cairo, Egypt between the 17th and 28th of April.

Fotis Karayannis and Ioannis Liabotis participated in the e-Infrastructures for Research and Education to Promote Development, conference that was organized by EUMEDGRID in Amman Jordan between the 7th and 9th of June. Fotis Karayannis prepared and gave a presentation on the involvement of GRNET (Greek NREN) in Grid activities.

Fotis Karayannis, Kostas Koumantaros and Ioannis Liabotis participated in the organizing committee of the above conference.

JUNET (GRNET Third Party) Activities:

JUNET organized a conference entitled “e-Infrastructures for Research and Education to Promote Development” in Amman Jordan between the 7th and 9th of June. The main aim of the conference



was to promote the adoption of e-Infrastructures in Jordan as well in the wider area of the Mediterranean. The conference aimed at policy makers as well as users.

Meetings:

Yousef Torman participated in the EUMEDGRID PMB/TB held in Amman, Jordan on the 10th of June.

Interim Activity Report – 6th Quarter

Table 7 - WP5 roundup effort

Partner Short Name	Name and Surname	Activity	Worked Hours during the Quarter		Total N. of Hours delivered until now		Effort in the contract (in hours)[1]		Remaining Effort (in hours)1	
			Total	Funded	Total	Funded	Total	Funded	Total	Funded
INFN	Total	WP5	880	(769)	3.881	(3.169)	4.621	(3.373)	740	(204)
	Federico Bitelli	A5.2	16	(0)	16	(0)				
	Riccardo Bruno	A5.2	30	(0)	104	(0)				
	Paola Celio	A5.2	544	(544)	2.500	(2.500)				
	Paola Celio	A5.3	10	(0)	20	(0)				
	Fulvio Galeazzi	A5.2	15	(0)	55	(0)				
	Riccardo Gargana	A5.1	40	(0)	210	(0)				
	Riccardo Gargana	A5.2	225	(225)	976	(669)				
CERN										
CYNET	Total	WP5	178	(143)	419	(351)	780	(663)	361	(312)
	Giorgos Athienitis	A5.2	15	(15)	15	(15)				
	Evi Constantinou	A5.1	45	(45)	45	(45)				
	Evi Constantinou	A5.1	30	(30)	30	(30)				
	Kyriakos Maifoshis	A5.2	35	-	68	(0)				
	Michael Theodoulou	A5.1	33	(33)	49	(49)				
	Michael Theodoulou	A5.2	20	(20)	212	(212)				
DANTE										
GARR	Total	WP5	660	(496)	3.448	(2.938)	3.471	(2.769)	23	-(169)
	Eddie Aronovich (IUCC)	A5.1	0	(0)	120	(120)				
	Valentino Carcione	A5.1	0	(0)	132	(110)				
	Alessandra De Nicola	A5.1	140	(101)	614	(490)				
	Adam Fine (IUCC)	A5.1	0	(0)	10	(10)				
	Giada Di Giammarco	A5.1	100	(100)	987	(836)				
	Giuditta Lecca (CRS4)	A5.1	40	(0)	64	(24)				
	Alessandro Pancaldi	A5.1	0	(0)	29	(24)				
	Claudia Santi	A5.1	0	(0)	4	(4)				
	Chana Sofer (IUCC)	A5.1	0	(0)	92	(92)				
	Massimo Stangoni	A5.1	85	(85)	195	(174)				

Interim Activity Report – 6th Quarter

Partner Short Name	Name and Surname	Activity	Worked Hours during the Quarter		Total N. of Hours delivered until now		Effort in the contract (in hours)[1]		Remaining Effort (in hours)1	
			Total	Funded	Total	Funded	Total	Funded	Total	Funded
	Federica Tanlongo	A5.1	150	(150)	930	(890)				
	Cristiano Valli	A5.1	60	(60)	186	(164)				
	Carlo Volpe	A5.1	85	(0)	85	(0)				
GRNET	Total	WP5	397	(337)	1040	(920)	1.561	(1.249)	521	(329)
	Sufyan Aqdam	A5.1	-	-	40	(40)				
	Evaggelia Athanasaki	A5.2	-	-	232	(232)				
	Yasin Bitar	A5.1	38,9	(38,9)	39	(39)				
	Fortis Georgatos	A5.2	-	-	126	(126)				
	Kyriakos Gkinis	A5.1	33,8	(33,8)	34	(34)				
	Mayyad Ihmaidan	A5.1	60,5	(60,5)	61	(61)				
	Fotis Karayannis	A5.1	40	40	40	(40)				
	Fotis Karayannis	A5.2	-	-	8	(8)				
	Evaggelos Koukis	A5.1	33,8	(33,8)	34	(34)				
	Kostas Koumantaros	A5.1	8	(8)	8	(8)				
	Kostas Koumantaros	A5.2	-	-	20	(20)				
	Mohammad Mabrouk	A5.1	20	(0)	20	(0)				
	Madouch Sauhail	A5.2	-	-	40	(40)				
	Suha Najjar	A5.1	107,5	(107,5)	108	(108)				
	Aris Sotiropoulos	A5.2	-	-	118	(118)				
	Yousef Torman	A5.2	54,5	(14,5)	115	(15)				
RED.ES	Total	WP5	100	(80)	375	(299)	585	(507)	210	(208)
	Maria Bolado	A5.1	36	(29)	104	(83)				
	Antonio Fuentes	A5.1	56	(45)	194	(155)				
	Alberto Perez	A5.1	8	(6)	77	(61)				
UoM	Total	WP5								
	Reggie Cushing	A5.2								
	David Mifsud	A5.1								
	Robert Sultana	A5.1								
	Kevin Vella	A5.1								
	Kevin Vella	A5.2								
CERIST	Total	WP5	1.040	(832)	1.390	(1.112)	1.360	(1.126)	-30	(14)

Interim Activity Report – 6th Quarter

Partner Short Name	Name and Surname	Activity	Worked Hours during the Quarter		Total N. of Hours delivered until now		Effort in the contract (in hours)[1]		Remaining Effort (in hours)1	
			Total	Funded	Total	Funded	Total	Funded	Total	Funded
	Asselah Salim	A5.1	80	(64)	80	(64)				
	Benaissa Hassine	A5.1	30	(24)	30	(24)				
	Bentaleb Ouafa	A5.1	80	(64)	80	(64)				
	Bouabid Amine	A5.1	180	(144)	180	(144)				
	Bouali Ali	A5.1	40	(32)	40	(32)				
	Chioukh Nadia	A5.1	120	(96)	120	(96)				
	El-Maouhab Aouaouche	A5.1	250	(200)	500	(400)				
	Guerig Ghania	A5.1	40	(32)	40	(32)				
	Khelladi Abdelkader	A5.1	40	(32)	70	(56)				
	Khelladi Abdelkader	A5.2	0	(0)	50	(40)				
	Sadki Faycal	A5.1	180	(144)	200	(160)				
CNRST	Total	WP5	215	(170)	1,340	(1,090)	1,494	(1,260)	154	(170)
	Hassan Bouhaddou	A5.1	15	(10)	125	(100)				
	Hassan Bouhaddou	A5.2	-	-	120	(105)				
	Redouane Chajar	A5.1	5	(5)	90	(75)				
	Redouane Chajar	A5.2	-	-	110	(95)				
	Youness Hamidi	A5.1	5	(5)	65	(55)				
	Youness Hamidi	A5.2	0	(0)	95	(75)				
	Redouane Merrouch	A5.1	35	(30)	115	(90)				
	Redouane Merrouch	A5.2	25	(20)	110	(90)				
	Abdelfettah Mezziane	A5.1	-	-	75	(60)				
	Abdelfettah Mezziane	A5.2	80	(60)	200	(165)				
	Nabil Talhaoui	A5.1	25	(20)	115	(85)				
	Nabil Talhaoui	A5.2	25	(20)	120	(95)				
EUN	Total	WP5								
	Omar Karam	A5.1								
	Dina Barakat	A5.1								
	Tarek Edris	A5.1								
HIAST	Total	WP5	55	(55)	813	(813)	1,560	(1,326)	747	(513)
	Abdallah Issa	A5.1	15	(15)	15	(15)				
	Abdallah Issa	A5.2	-	-	198	(198)				

Interim Activity Report – 6th Quarter

Partner Short Name	Name and Surname	Activity	Worked Hours during the Quarter		Total N. of Hours delivered until now		Effort in the contract (in hours)[1]		Remaining Effort (in hours)1	
			Total	Funded	Total	Funded	Total	Funded	Total	Funded
	Ghassan SABA	A5.2	-	-	152	(152)				
	Moutasem Shafa Amry	A5.1	-	-	10	(10)				
	Dareen Shehadeh	A5.1	-	-	130	(130)				
	Maher Suleiman	A5.1	40	(40)	158	(158)				
	Maher Suleiman	A5.2	-	-	150	(150)				
MRSTDC	Total	WP5	224	(224)	1.160	(1.060)	1.510	(1.276)	350	(216)
	Heithem Abbes	A5.1	24	(24)	80	(80)				
	Ahmed Elleuch	A5.1	32	(32)	56	(56)				
	Adel Essafi	A5.2	24	(24)	80	(80)				
	Moez Jebara	A5.1	48	(48)	240	(240)				
	Mohamed Jemni	A5.1	32	(32)	256	(256)				
	Sonia Kallel	A5.1	32	(32)	256	(256)				
	Sami Khanfir	A5.1	-	-	44	(44)				
	Mohamed Louhichi	A5.1	-	-	100	(0)				
	Sadok Mazigh	A5.1	32	(32)	32	(32)				
	Malika Zenati	A5.1	-	-	16	(16)				
TUBITAK	Total	WP5	30	(30)	198	(30)	356	(200)	158	(170)
	Burcu Akcan	A5.1	-	-	118	(0)				
	Asli Zengin	A5.1	-	-	50	(0)				
	Emrah Akkoyun	A5.1	30	30	30	(30)				

2.2. MAJOR TASKS, PRODUCTS AND SERVICES

2.2.1. Deliverables and milestones due this quarter

Almost all the Deliverables and Milestones foreseen for this quarter were delivered on schedule and a complete list is shown in the following table:

Table 5 - Deliverables and Milestones due for the reporting period

Name	N°	Due on	Status
Proposed technical roadmap	D2.2 UPDT	PM 18	Updated
Final revision of outreach plan	D5.4	PM 18	Done
EGEE applications running	M4.1	PM 16	Reached
Revision of outreach material	M5.6	PM17	Reached

2.3. SUMMARY OF ISSUES

2.3.1. WP1 Issues

A few issues are described in the following.

Delay in the distribution of the pre-financing to EUN (Egypt)

INFN is still missing the official information on the bank account of the Egyptian partner (EUN).

This is the main reason of their under spending in 2006 and in the first half of 2007 while they were heavily involved in the organisation of the EGSAP-1 in Cairo..

Most of the costs of EGSAP-1 were then anticipated by GARR and INFN and a budget redistribution has been done to make a compensation. This is exposed in the Updated Budget and Effort Plan document which is submitted together with this report.

General budget under spending

A new assessment of the budget has been done after a forecasting of the budget expenditure in the second year. This new budget plan takes into consideration the largest expenditure which have been exposed by GARR (EGSAP-1), GRNET (Jordan conference), INFN (EGSAP-1) and CERIST (Algiers Workshop). The new events in preparation (workshop in Damascus in September and policy event in Brussels in October) will also contribute to the increase of expenditure in 2007.

The new budget distribution and the new effort plan show that there will be no difficulties in correctly spending the allocated budget.

Change of Tunisian Partner

The Tunisian partner MRSTDC (Ministry of Scientific Research, Technology and Competency Development) does not exist any more and was replaced by MESRST (Ministry of High Education, Scientific Research and Technology) but the responsables of the project did not change (Sonia Kallel and Mohamed Jemni). The updated Contract Preparation Form will be sent together with the Contract Amendment.

2.3.2. WP2 Issues

No specific issues to report.

2.3.3. WP3 Issues

No specific issues to report.

2.3.4. WP4 Issues

No specific issues to report.

2.3.5. WP5 Issues

No specific issues to report.

2.4. Plans for the next reporting quarter

2.4.1. WP1 Future plans

Preparation and submission of a Contract Amendment will increase the effort on top of the normal administrative and managerial activities.

Collaboration with WP5 on the planned events will also be a significant part of the activity of the next two quarters.

2.4.2. WP2 Future plans

Start the new survey, analyse the results and produce a new report will be the main activity in the next two quarters.

2.4.3. WP3 Future plans

Management and operations of the existing pilot infrastructure and service will continue.

New sites will be added to the infrastructure as soon they become available.

2.4.4. WP4 Future plans

The activity will continue on running the ported applications on the EUMEDGRID infrastructure and continue in the effort of discovering new applications.

2.4.5. WP5 Future plans

The following events will be organized for the next period:

Location	Date	Target
Damascus (Syria)	02-05 September 2007	Tutorial – User and System administration
Damascus (Syria)	05-06 September 2007	Workshop
Sevilla (Spain)	10-14 September 2007	Tutorial – User and System administration
Budapest (Hungary)	1 October 2007	Workshop on "Grids and their role in sustaining development" (to be held as a part of the EGEE conference 07)
Bruxelles (Belgium)	23-24 October 2007	EU-MED event (jointly organized with EUMEDCONNECT and the GN2-NA4 Development Support Activity)

Further information about planned events and related dissemination activities and materials (i.e. press, information materials etc) are available on D5.4.

2.5. Main Project Activity Metrics

A certain number of quantifiable indicators used to measure the progress of the activities were already defined. New indicators will eventually be added if appropriate. The current list is the following:

- Number of sites joining the EUMEDGRID Pilot infrastructure at the end of the reporting period **(12)**.
- Number of tutorial events held **(9)** and number of participants per event **(~40)**.
- Number of International Meetings, Workshops and Conferences organised **(4)**.
- Number of attended Conferences or workshops with specific EUMEDGRID presentations or posters and/or other dissemination activities **(29)**.
- Number of Groups of interested researchers contacted during the workshops and conferences **(8)**.
- Number of applications/software adaptation and installation on the pilot Grid Infrastructure **(10)**.
- Number of questionnaires filled in the framework of the WP2 survey activity **(about 100)**.
- Number of users registered as members of the EUMEDGRID Virtual Organization **(68)**.

The above numbers in bold have been incremented since the last quarter.

3. CONSORTIUM MANAGEMENT

This section summarizes the status of the project and its management activity.

Other information relating to the overall management activities can be found in the WP1 report (see above).

3.1. Consortium management

The Consortium continued the activity regularly.

3.2. Contractors

The Tunisian partner MRSTDC (Ministry of Scientific Research, Technology and Competency Development) was absorbed/replaced by MESRST (Ministry of High Education, Scientific Research and Technology) but the responsables of the project did not change (Sonia Kallel and Mohamed Jemni). Due to this change of the situation, the new informations regarding the partner are:

- legal new name of the organisation is : Ministry of Higher Education, Scientific Research and Technology
- the short name of the organisation is : MESRST
- the legal address is: Avenue Ouled Haffouz - 1030 - Tunis.
- the website is: www.mes.tn
- the administrative official authorised to sign the contract: Mrs Kallel Sonia Director of Academic services in the University of 7 November-Carthage Fax: 71 788768 Phone: 00 216 - 71 787502 / 71 283332
- the second administrative official authorised to sign the contract: Mr Moez Jebara, In charge of Cooperation with EU, Phone: 00 216 - 71 786300

The updated Contract Preparation Form will be sent together with the Contract Amendment.

Table 6 - List of the Partners' Representatives in the PMB

Id	Partner	Representative in the PMB
1	Istituto Nazionale di Fisica Nucleare (IT) (coordinator)	Federico Ruggieri
2	European Organisation for Nuclear Research CERN, Geneve (CH)	Florida Estrella
3	Cyprus Research and Academic Network, Lefkosia (CY)	Eftychios Eftichiou
4	Delivery of Advanced Network Technology to Europe, Cambridge (UK)	David West
5	Consortium GARR, Rome (IT)	Enzo Valente / Federica Tanlongo
6	Greek Research & Technology Network, Athens (GR)	Ioannis Liabotis / Fotis Karayannis
7	Entidad Pública empresarial RED.ES, Madrid (E)	Alberto Perez Gomez

8	University of Malta, Msida (M)	Kevin Vella
9	Centre de Recherche sur l'Information Scientifique et Technique, Alger (DZ)	Abdelkader Khelladi
10	Centre de Recherche sur l'Information Scientifique et Technique, Alger (DZ)	Aouaouche El-Maouhab
11	Centre National pour la Recherche Scientifique et Technique, Rabat (MA)	Redouane Merrouch
12	Egyptian Universities Network, Cairo (ET)	Omar Hassan Karam
13	Institute for Applied Sciences and Technology, Damascus (SYR)	Maher Suleiman
14	Ministry of Higher Education, Scientific Research and Technology, Tunis (TN)	Sonia Kallel / Mohamed Jemni
15	The Scientific and Technological Research Council of Turkey, Ankara (TR)	Cem Sarac

Table 7 - List of Responsibilities in the Project

Activity	Leader/Deputy	Partner
WP1 Project administrative & technical management	Federico Ruggieri	INFN
A1.1 - Administrative management	Federico Ruggieri	INFN
A1.2 - Technical management	Roberto Barbera	INFN
WP2 Requirement capture and analysis	Kevin Vella	UoM
A2.1- Gather and analyse countries' data	Kevin Vella	UoM
A2.2 - Study state of the art and propose technical roadmap	Markus Shulz	CERN
WP3 Pilot infrastructure al support	Kostas Koumantaros	GRNET
A3.1 - Operational, organisation and policy schemes	Kostas Koumantaros	GRNET
A3.2 – Support to middleware deployment & pilot site installations	Giuseppe Misurelli	INFN-CNAF
A3.3 -Pilot infrastructure operational support	Kostas Koumantaros	GRNET
A3.4 - Network resource provision	Ester Robles	RED.ES
A3.5 - Certification authority setup & operations	Roberto Cecchini	INFN
WP4 Application support	Giuseppe Andronico	INFN
A4.1 - EGEE applications	Burku Ackan	TUBITAK
A4.2 - Regional applications support	Giuseppe Andronico	INFN
A4.3 - Promoting new applications	Roberto Barbera	INFN
WP5 Dissemination and Outreach	Federica Tanlongo	GARR
A5.1 - Dissemination activities	Federica Tanlongo	GARR
A5.2 - Outreach activities	Giuseppe Andronico	INFN

3.3. Events

A short report on the events organized and attended during the quarter can be found in the Annex I below. Other internal events and related items are discussed in the following paragraphs.

3.4. Project and activity Meetings

On this quarter following EUMED activities were held.

Table 8 - Internal meetings for the reporting period

Date	Location	Meeting	Attendees
17/04/2007	Cairo	PMB/TB Meeting	
10/06/2007	Amman	PMB/TB Meeting	

4. OTHER ISSUES

No other issues to report

4.1. references

[R1] Project website	http://www.eumedgrid.org/
[R2] Project leaflet	http://www.eumedgrid.org/documents/EUMEDGRIDproject_summary.pdf
[R3] Project templates kit	http://www.eumedgrid.org/documents/doctemplates-EUMEDGRIDv2.zip
[R4] EGEE website	http://public.eu-egee.org/
[R5] SEEGRID website	http://www.see-grid.org/
[R6] BalticGrid website	http://www.balticgrid.org/
[R7] EELA website	http://www.eela-grid.org/
[R8] EU eInfrastructures initiatives	http://www.einfrastructures.org/
[R9] EUMEDCONNECT website	http://www.eumedconnect.net/
[R10] GEANT2 website	http://www.geant2.net/
[R11] LCG webpage	http://www.cern.ch/lcg/
[R12] gLITE webpage	http://www.cern.ch/glite/
[R13] GILDA website	https://glida.ct.infn.it/
[R14] IST website	http://www.cordis.lu/ist/home.html

4.2. Terminology

Glossary

CA	Certification Authority.
Cluster	The term describes a cluster is a group of machines that are networked together and used as a single unit to run parallel programs.
Grid	The term designates a distributed infrastructure of computation and storage resources, which can be used by a VO in a transparent way (i.e. without need to know about the location of the resources etc).
GILDA	Grid Infn Laboratory for Dissemination Activities
gLITE	Codename of the Middleware software suite developed by EGEE JRA1.

Globus	“Globus Toolkit” is the name of all software components for Grid Computing platforms available under an open-source license from the consortium Globus Alliance.
LCG	LHC Computing Grid
Middleware	Generic terms defining a communications layer that allows applications to interact across hardware and network environments.
NGI	National Grid Initiative
ROC	Regional Operation Centre
VO	Virtual Organization: a Virtual Organization, or Application Community, is a geographically dispersed group of collaborating scientists.
VOMS	VO Management Service
CA	Certification Authority.
Cluster	The term describes a cluster is a group of machines that are networked together and used as a single unit to run parallel programs.
Grid	The term designates a distributed infrastructure of computation and storage resources, which can be used by a VO in a transparent way (i.e. without need to know about the location of the resources etc).
GILDA	Grid Infn Laboratory for Dissemination Activities
gLITE	Codename of the Middleware software suite developed by EGEE JRA1.
Globus	“Globus Toolkit” is the name of all software components for Grid Computing platforms available under an open-source license from the consortium Globus Alliance.
LCG	LHC Computing Grid
Middleware	Generic terms defining a communications layer that allows applications to interact across hardware and network environments.
NGI	National Grid Initiative
ROC	Regional Operation Centre
VO	Virtual Organization: a Virtual Organization, or Application Community, is a geographically dispersed group of collaborating scientists.
VOMS	VO Management Service

[4.3. Document amendment procedure](#)

In order to amend the document, please contact the Project Office at: po@eumedgrid.org.

ANNEX I – USE AND DISSEMINATION

A1.1 Conferences/workshops organized

The following events have been organized; detailed agenda and the list of participants is hereinafter provided. For a report on the events, see WP5 report here above:

Table 9 – Project Conferences and workshops organised in the period

Location	Date	Target
Cairo (Egypt)	15-16 April 2007	ROC-on-duty tutorial
Cairo (Egypt)	17-28 April 2007	First EUMedGrid School for Application Porting (EGSAP-1)
Madrid (Spain)	7-11 May 2007	Tutorial – User and System administration
Amman (Jordan)	7-9 June 2007	Conference
Algiers (Algeria)	17 June 2007	Workshop
Algiers (Algeria)	18-19 June 2007	Tutorial – User Tutorial
Algiers (Algeria)	20-21 June 2007	Tutorial – Site manager tutorial

ROC-on-duty tutorial

Agenda:

Sunday 15 April 2007 top

08:30	Registration and badging	
09:00	Introduction to EUMEDGrid Pilot Infrastructure, Site Registration and Certification	Kostas Koumantaros (GRNET)
09:30	Installing and troubleshooting - CE+WN	G. Misurelli (CNAF) , Reggie Cushing (University of Malta)
10:30	Installing and troubleshooting - SE+MON	Federico Bitelli (University Roma Tre)
11:30	Coffee break	
12:00	Monitoring Tools - GridICE, Gstat, SAM	Reggie Cushing (UOM)
12:45	Support System Usage	G. Misurelli (CNAF)
13:30	Lunch break	
14:30	Installing and troubleshooting Core Services Part A (RB/BDII)	Giuseppe Platania (INFN CT)
15:30	Coffee break	
16:00	Installing and troubleshooting Core Services Part A (RB/BDII) cont.	Giuseppe Platania (INFN CT)

Monday 16 April 2007

09:00	Installing and troubleshooting Core Services Part B (LFC)	Rosanna Catania (INFN CT)
11:00	Coffee break	
11:30	Installing and troubleshooting Core Services Part C (VOMS)	Giuseppe Misurelli (CNAF)
12:30	Discussion + Hand On session part I	
13:30	Lunch break	
14:30	Discussion + Hand On session part II	
15:30	Coffee break	
16:00	Final discussions - Q&A	

Attendees:

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First EUMEDGrid School for Application Porting (EGSAP-1)

The following table describes briefly the participating applications.

Application	Domain	Description
HERO	Bioinformatics	Computational Fluid Dynamics -Simulation -Bio-Informatics

Application	Domain	Description
GROGET	Engineering	<p>GROGET is a simulation system for generating trajectories allowing a robot the goal seeking and collision avoidance.</p> <p>It's a system who can help to study the behavior of a group of purely reactive mobile robots.</p> <p>It is written with C++, compatible with gcc. Using OpenGL (Mesa) and GLUT libraries.</p>
PAREL	Mathematics	<p>Starting from the modeling of a metal plate flexing following an exterior force, follows the numerical resolution of a system of partial derivative equations (Laplace equation).</p> <p>Calculate the displacement of each node of the grid simulating the plate.</p> <p>There are currently available different sequential algorithms that can be parallelised.</p> <p>Parallelization: conceive, implement and compare different strategies of parallelization of the sequential algorithms of resolution.</p>
SimCommsys	Engineering	<p>SimCommSys is a modular Monte Carlo simulation system for Error Control Coding in Communication Systems. It is written in C++, compatible with Microsoft Visual C++ 2005 and with gcc 4. The Monte Carlo class can make use of MPI (originally implemented using LAM, recently ported to OpenMPI) using a master/slave relationship between the root node and all other nodes. The problem is embarrassingly parallel, so the master first starts all slaves working, and then assigns new jobs quanta as each slave reports back with the result of the last job. This automatically balances the load, so that the program works, with the highest possible efficiency even on clusters with varying performance between nodes. The master handles result aggregation and all I/O. Presently, the system is designed for cluster execution, where all nodes have access to the same filesystem, but the software architecture has been upgraded over the past few years to allow pipe/network transfer of all relevant data between nodes. Optionally, the system can also make use of the GNU MP library for arbitrary precision math.</p>
HuM2S	Bioinformatics	<p>This is an agent-based complex systems modeling and simulation project that will model human memory. Interactions of humans are simulated and the effect of memory size is investigated. Massive computational resources are needed for simulations. Parametric parallelization of calculations will make it possible to reduce completion time of simulations drastically</p>

Application	Domain	Description
JP2_GRID	Engineering	Deployment of the JPEG2000 algorithm in the grid for compression of huge images type (Gigabits images).
RECCHAR	Engineering	It consists to distribute the Printed cursive writing OCR by the Dynamic Time Warping (DTW) algorithm. In fact, the DTW algorithm provides a very interesting recognition rate for printed cursive writing OCR without prior segmentation. Unfortunately, the big amount of computing to be achieved by this algorithm during the recognition process restricts hence its utilization. Analytical studies and some conducted experiments show that grid computing can provide an interesting framework to speedup the DTW algorithm.
MINSP	Mathematics	<p>We seek a minimum for a potential function (coming from the physics of string theory), involving many parameters.</p> <p>Here are some more details about our application:</p> <ol style="list-style-type: none"> 1- Data consist of 5 parameters to be spanned over a given region, say each parameter takes 10 values. 2- For each of the above mentioned given data, the application would compute symbolically the function to be minimized, and then compute the corresponding gradients, and checks whether or not they are equal to zero within the given precision. 3- One run (when fixing parameters) lasts for between 3 to 10 hours, and hence we need (when we change parameters in the given regions) more than 15 years if we run the application on one machine.
SACATRIGA	Engineering	<p>The Subchannel Analysis Code for Application to Triga research reactors is a preliminary code devoted to study the thermohydraulic behaviour of Moroccan TRIGA MARK II research reactor.</p> <p>Subchannel approach is used to model the geometry of the reactor core. Over each subchannel temperature, pressure and flow rate are predicted by solving <i>Navier-Stokes</i> equations coupled to the energy conservation equation. Resolution of these equations has been done using Finite Volume Method (FVM). The solution method is based on the steady state SIMPLE algorithm where we have worked throughout using staggered grid. SACATRIGA is sequential application run using g95 compiler on Linux operating system.</p>

Agenda:

Tuesday 17 April 2007 top

09:00	Welcome	Omar Karam	EUN
9:10	Introduction to EUMEDGrid and EGSAP-1	K. Koumantaros	GRNET
09:30	Detailed technical presentation on application "HERO" to be ported on Grid HERO (enHancing classroom tEaching using gRid enabled applicatiOns)	M. A. Saleh	Helwan University
10:00	Detailed technical presentation on application "GROGET" to be ported on Grid GROGET(Graphical Robot Generating Trajectory)	S. Benhlime	University of Meknes
10:30	technical presentation on application "PAREL" to be ported on Grid	N. Mimouni	ESSTT
11:00	Coffee break		
11:30	technical presentation on application "SimCommsys" to be ported on Grid SimCommsys (Distribuited Monte Carlo Simulator for Communication System)	J. Briffa	University of Malta
12:00	technical presentation on "RECCHAR" to be ported on Grid	M. Labidi	MIRACL
12:30	Detailed technical presentation on application "SACATRIGRA" to be ported on Grid	O. Meroun	Tetuan
13:00	Lunch break		
14:00	Detailed technical presentation on application "Minimization of String potential" to be ported on Grid	N. ALHAFEZ	HIAST
14:30	Detailed technical presentation on "JP2_GRID" to be ported on Grid	S. Khanfir	ESSTT
15:00	Presentation on the available t-Infrastructure and on how to access it (usernames, passwords, etc.)	A. Fuentes	RED.ES
15:30	Installation of users' certificates	A. Fuentes	RED.ES

	Attendees will upload on the UIs their own grid certificate, or they will be provided with the GILDA ones		
16:00	Tea break		
16:30	Installation of users' applications The applications they intend to port to the Grid will be installed and run on the UI to verify their compatibility with the OS (Scientific Linux Cern 3.0.x) used by all the services of the Grid Infrastructure	A. Fuentes	RED.ES
19:30	Free Time		
20:00	Dinner		
21:30	After-dinner facultative work		

Wednesday 18 April 2007 top

09:00	Overview of the gLite middleware	R. Bruno	INFN CT
09:30	The goal of these talk is to refresh attendees' knowledge on the gLite middleware. Rub up on gLite Security and Information Systems The goal of these talk is to refresh attendees' knowledge on the gLite middleware.	H. Bayindir	ULAKBIM/TUBITAK
10:30	Rub up on gLite Workload Management System The goal of these talk is to refresh attendees' knowledge on the gLite middleware.	G. La Rocca	INFN CT
11:30	Coffee break		
12:00	Rub up on gLite Data Management System The goal of these talk is to refresh attendees' knowledge on the gLite middleware	R. Bruno	INFN CT

13:00	Lunch break and free time		
15:30	Detailed technical presentation on application "HuM2S" to be ported on Grid	A. Herdagdelen	Bogazici University
16:00	Implementation work		
17:15	Tea break		
17:30	Implementation work		
19:30	Free Time		
20:00	Dinner		
21:30	Preparation of slides for next day and after-dinner facultative work		

Thursday 19 April 2007 top

09:00	Reports from previous day		
10:30	Coffee break		
11:00	Tricks & Trades series: Scripting techniques to leverage the gLite WMS (2h00') (Training material for practical. Using bash scripting, we will show how to create Parametric job, DAG-like jobs (job splitting and merging) and MPI job advanced usage of the bash scripting syntax	P. Celio	INFN Roma3
13:00	Lunch break and free time		
15:30	Implementation work		
19:30	Free Time		
20:00	Dinner		
21:30	Preparation of slides for next day and after-dinner facultative work		

Friday 20 April 2007

09:00	Reports from previous day (SimCommsys, GROGET, SACATRIGA, PAREL, RECCHAR,		
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	HERO, J2P_GRID, MinStringPot, HuM2S)		
10:30	Coffee break		
11:00	Tricks & Trades series: Usage of the GFAL APIs to remotely access your SE files (2h00') (Training material for practical. Here the usage of the GFAL API (C or Java) will be shown to access the contents of files on SEs without moving them.	V. Koukis	GRNET
13:00	Lunch break and free time		
15:30	Implementation work		
19:30	Free Time		
20:00	Dinner		
21:30	Preparation of slides for next day and after-dinner facultative work		

Saturday 21 April 2007

09:00	Reports from previous day		
10:30	Job Management with Data Requirements Training material for practical	P. Celio	INFN Roma3
11:30	Coffee break		
12:00	Implementation work		
13:00	Lunch break and free time		
15:30	Implementation work		
17:15	Tea break		
17:30	Implementation work		
19:30	Free Time		
20:00	Dinner		
21:30	Preparation of slides for the next day and after-dinner facultative work		

Sunday 22 April 2007 top

	Free day		
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Monday 23 April 2007

9:00	Reports from previous day of the Applications		
10:30	Coffee break		
11:00	<p>Tricks & Trades series: AMGA Metadata Services: examples and usage scenarios (2h00') (Training material for practical.</p> <p>The basic AMGA commands will be explained with a example(metadata for movie trailers). Moreover, we will demonstrate how to use AMGA to share information among running jobs on the grid worker nodes, adopting the bag-of-task model.</p>	R. Bruno	INFN Catania
13:00	Lunch break		
15:30	Implementation work		
17:15	Tea break		
17:30	Implementation work		
19:30	Free Time		
20:00	Dinner		
21:30	Preparation of slides for the next day and after-dinner facultative work		

Tuesday 24 April 2007

9:00	Reports from previous day		
10:30	Coffee break		
11:00	<p>Tricks & Trades series: Leverage the gLite DMS using Access Control List, VOMS groups and Roles</p> <p>The goal is to understand how VOMS Roles and Groups works, and how</p>	R. Gargana	INFN Roma3

	these can be used to set ACLs for files saved on the DPM SEs and registered into the File Catalogue.		
13:00	Lunch break and free time		
15:30	Implementation work		
17:15	Tea break		
17:30	Implementation work		
19:30	Free Time		
20:00	Dinner		
21:30	Preparation of slides for the next day and after-dinner facultative work		

Wednesday 25 April 2007 top

9:00	Reports from previous day		
10:30	Coffee break		
11:00	Tricks & Trades series: Usage of R-GMA for Grid Application Monitoring The usage of the R-GMA client and APIs will be illustrated to provide advanced monitoring of the running jobs.	V. Ardizzone	INFN CT
13:00	Lunch break and free time		
15:30	Implementation work		
17:15	Tea break		
17:30	Implementation work		
19:30	Free Time		
20:00	Dinner		
21:30	Preparation of slides for the next day and after-dinner facultative work		

Thursday 26 April 2007

9:00	Reports from previous day		
10:30	Coffee break		

11:00	Tricks & Trades series: Build a web frontend to your Grid Application using the GENIUS portal The goal of this talk is to make the attendees able to create a web front-end to their applications. This will be achieved showing how to create a GENIUS service for a simple grid application. 13:00 Lunch break and free time	L. Neri	INFN CT
13:00	Lunch break and free time		
15:30	Implementation work		
17:15	Tea break		
17:30	Implementation work		
19:30	Free Time		
20:00	Dinner		
21:30	Preparation of slides for the next day and after-dinner facultative work		

Friday 27 April 2007

9:00	Reports from previous day		
10:30	Coffee break		
11:00	Implementation work		
13:00	Lunch break and free time		
15:00	30 Implementation work		
19:30	Free Time		

Saturday 28 April 2007

9:00	Final presentation on "HERO"		
9:20	Final presentation on "GROGET"	S. Benhlima	University of Meknes
9:40	Final presentation on "HERO"	M. A. Saleh	Helwan University
10:00	Final presentation on "PAREL"	N. Mimouni	ESSTT
10:20	Final presentation on "SimCommsys"	J. Briffa	University of Malta

10:40	Coffee break		
11:30	30 Final presentation on "SACATRIGRA"	O. Meroun	Tetuan
11:50	Final presentation on "JP2_GRID"	S. Kanfir	ESSTT
12:10	Final presentation on "RECCHAR"	M. Labidi	MIRACL
12:50	Final conclusions	R. Bruno	INFN CT
13:10	Lunch break		

List of attendees:

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Tarek	bardouni.tarek@uae.ma	Tetuan	MOROCCO

Tutorial – 6th EUMEDGRID TUTORIAL (USERS AND SYSTEM ADMINISTRATORS)

Agenda

Monday 07 May 2007

09:00	Welcome and badging of participants	
09:30	Introduction to EELA/EUMED	Antonio FUENTES BERMEJO
10:00	Overview of the gLite middleware	Esther MONTES
11:00	Coffee break	
11:30	Authorization and authentication in gLite	Antonio FUENTES BERMEJO
12:30	The gLite Information System	Rubio Montero ANTONIO JUAN
13:00	Lunch break	
14:00	The GILDA t-infrastructure	Claudio CHERUBINO (INFN.CT)

14:45	Hands-on on security	Carlos FUENTES BERMEJO
15:30	Coffee break	
16:00	Hands-on on information system	Rubio Montero ANTONIO JUAN
17:15	Feedback from the attendees	

Tuesday 08 May 2007

09:00	Architecture of the gLite WMS	Esther MONTES
10:00	Coffee break	
10:30	Hands-on on WMS	Esther MONTES
12:00	Architecture of the gLite DMS	Manuel RUBIO DEL SOLAR
13:00	Lunch break	
14:00	Hands-on on data management	RUBIO DEL SOLAR (Manuel)
15:00	Coffee break	
15:30	The AMGA metadata catalog	BRUNO (Riccardo)
16:45	Hands-on on AMGA	Riccardo BRUNO
17:30	Feedback from the attendees	

Wednesday 09 May 2007

09:30	The GENIUS Grid Portal	Riccardo BRUNO
10:00	Hands-on on GENIUS	Claudio CHERUBINO
11:00	Coffee break	
11:30	Special jobs	Claudio CHERUBINO
12:30	Installation and configuration of a gLite 3.0 User Interface	Riccardo BRUNO
13:00	Lunch break	
14:00	Final exercise	
15:30	Coffee break	
16:00	Final exercise	
17:30	Closing and feed-back	

Thursday 10 May 2007 top

09:00	Introduction to the tutorial for site managers	Antonio FUENTES BERMEJO
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10:15	User Interface installation and configuration	Riccardo BRUNO
10:45	Coffee break	
11:15	Reinstallation of services by participants	
12:00	BDII server installation and configuration	Carlos FUENTES BERMEJO
12:30	Reinstallation of services by participants	
13:00	Lunch break	
14:00	WMS+LB server installation and configuration	Carlos FUENTES BERMEJO
15:00	Coffee break	
15:30	Reinstallation of services by participants	
16:30	SRM installation and configuration	Claudio CHERUBINO
17:00	Reinstallation of services by participants	

Friday 11 May 2007 top

09:00	CE + WN installation and configuration	Angelines ALBERTO
10:00	Reinstallation of services by participants	
11:00	Coffee break	
11:30	LFC server installation and configuration	Omar WALID
12:15	Reinstallation of services by participants	
13:00	Lunch break	
14:00	Final exercise	
16:00	Coffee break	
16:30	Feedback from the attendees	

List of attendees:

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4.3.1. 1.1.4 Tutorial – EUMEDGRID User and Site administration Tutorial, Algiers (Algeria)

Agenda

Monday 18 June 2007

09:00	Welcome	Aouaouche El-Maouhab (CERIST)
09:15	EUMedGrid Project	Aouaouche El-Maouhab (CERIST)
09:45	GILDA t-Infrastructure	Valeria Ardizzone (INFN Catania)
10:15	Security in gLite: Authentication and Authorization	Heithem Abbes (ESSTT)
11:15	Coffee break	
11:30	Practicals on Security	
12:15	Information System in gLite: BDII and R-GMA	Valeria Ardizzone (INFN Catania)
13:00	Lunch break	
14:00	Practicals on Information System (BDII)	
15:00	Workload Management System (WMS) in gLite	Paola Celio (INFN Dipartimento di Fisica Roma TRE)
15:30	JDL and Job's Type	Paola Celio (INFN Dipartimento di Fisica Roma TRE)
16:00	Tea break	
16:15	Practicals on WMS	

Tuesday 19 June 2007 top

09:00	Data Management Part 1: Files Catalog	Adel Safi (ESSTT)
09:15	Practicals on File Catalog	Adel Safi (ESSTT)
10:00	Data Management Part 2: Data Movement	Adel Safi (ESSTT)
10:30	Practicals on Data Movement	Adel Safi (ESSTT)
11:30	Coffee break	
11:45	Data Management Part 3: Metadata	Adel Safi (ESSTT)

12:10	Practicals on Metadata	
13:00	Lunch break	
14:00	Use cases of integrated applications on GILDA Testbed using GENIUS grid portal	Valeria Ardizzone (INFN Catania)
15:30	Tea break	
15:45	Exercises on Genius portal	
17:45	Questions and feedback form	

Wednesday 20 June 2007 top

09:00	Welcome	Aouaouche El-Maouhab (CERIST)
09:15	EUMEDGrid Infrastructure	Amine Bouabid (CERIST)
09:35	YAIM Yet another installation method; Description of YAIM tool and its basic functionalities) Antonio Fuentes (RED.ES)
09:55	Installation and configuration of gLite WMS + LB	Amine Bouabid (CERIST)
10:55	Coffee break	
11:15	Reinstallation of services by participants: WMS + LB	
12:15	Installation and configuration of gLite UI. The installation of gLite UI will be performed	Amine Bouabid (CERIST)
12:45	Reinstallation of services by participants: UI	
13:15	Lunch break	
14:15	Installation and configuration of gLite CE (Computing Element)	Antonio Fuentes (RED.ES)
15:15	Reinstallation of services by participants: CE	
16:15	Tea break	
16:45	Installation and configuration of gLite WN (Worker Node)	Heithem Abbes (ESSTT)
17:15	Reinstallation of services by participants: WN	

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08:10	Installation and configuration of MonBox	Adel Safi (ESSTT)
08:40	Reinstallation of services by participants: MonBox	

09:40	Coffee break	
11:10	Installation and configuration of DPM (Storage Element)	Paola Celio (INFN Dipartimento di Fisica Roma TRE)
11:40	Reinstallation of services by participants: DPM	
12:10	Lunch break	
13:10	Installation and configuration of BDII	Valeria Ardizzone (INFN Catania)
13:40	Reinstallation of services by participants: BDII	
14:55	Tea break	
15:10	Final exercise	
17:25	Feedback Form	
17:40	Conclusion	

List of attendees:

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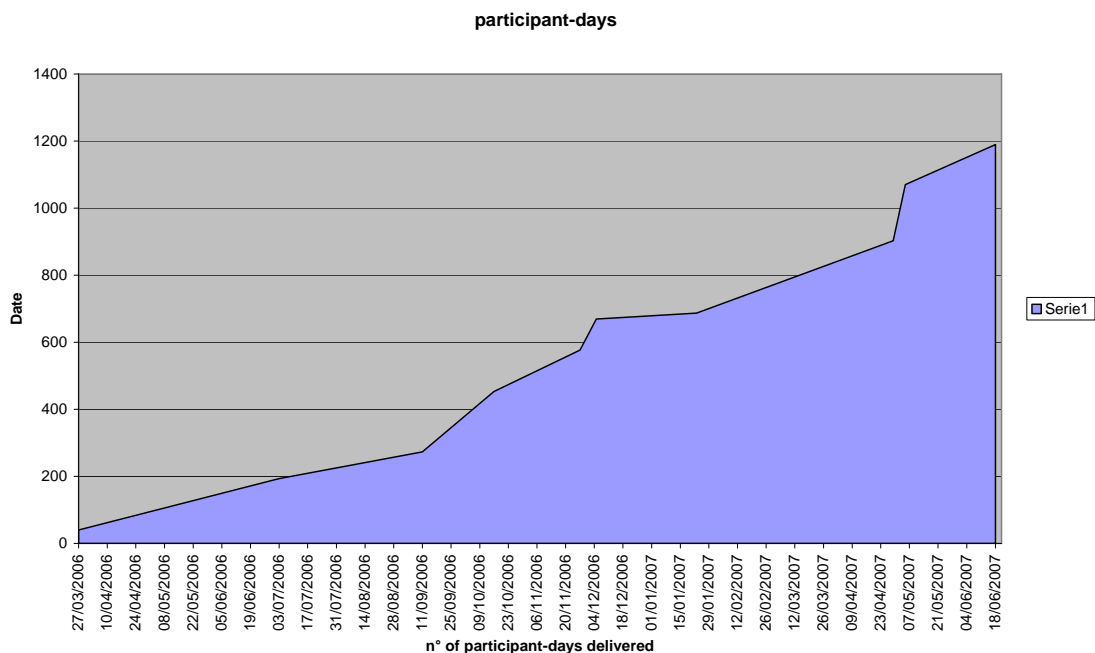
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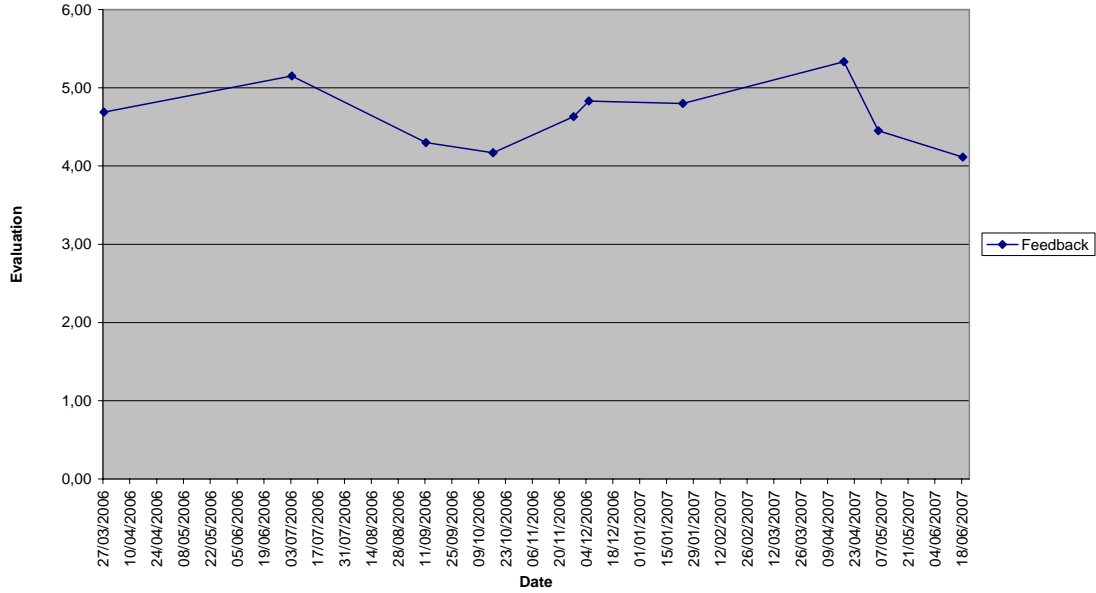
4.3.2. Global Statistics for User and Site admin Tutorials

Several statistics on dissemination activities can be summarized by the following graphs:

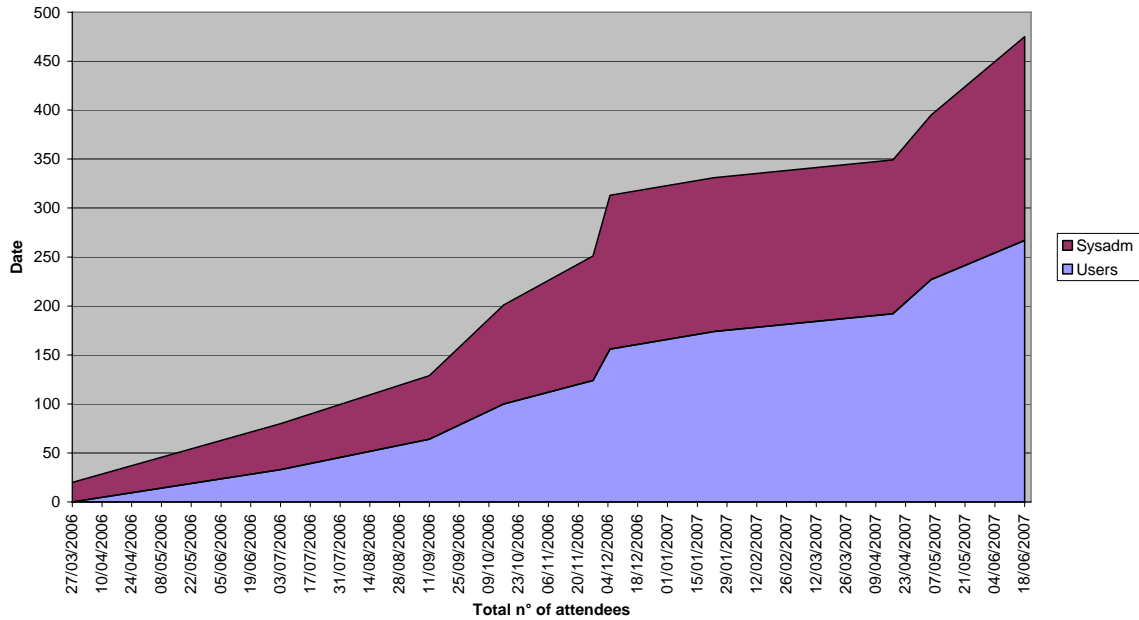


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Average Feedback from the Tutorials



Tutorial participants



A1.2 External Conferences/Workshops attended

Table 10 – External Conferences and workshops attended during the quarter

Date	Location	Title	Participants
19-20/04/2007	Heildeberg (Germany)	e-IRG workshop	100
09/05/07-11/05/07	Manchester (UK)	EGEE User Forum	400
09/05/07-11/05/07	Trieste (Italy)	G8-UNESCO World Forum on “Education, Research and Innovation: New Partnership for Sustainable Development”	500
09/05/07-11/05/07	Maputo (Mozambique)	IST-Africa 2007	500
10/04/2007	Ankara	Turkish Atomic Energy Authority (TAEK)	50
3-6/05/2007	Ankara	VI.Linux and Free Software Festival	1000
30/05-01/06/2007	Istanbul	EUGridPMA 10th Meeting	30
07/06/2007	Ankara	YEF@TR-Grid Meeting	15
16/05/2007	Santiago de Compostela	IBERGRID Meeting	

G8-UNESCO World Forum - List of contacted persons

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	Prashant	MANANDHAR	Prime College - Prime research N training Center	System Director	Academia/ Research	Nepal
Dr	Zhu	JANGANG	Ufficio Istruzione dell'Ambasciata della Repubblica Popolare Cinese in Italia		Gov/PA	Italy
	Teodorico	VITALE				Italy
Dr	Riccardo	CONTI	Prseidenza del Consiglio dei Ministri	Coordinatore del servizio cerimoniale nazionale	Gov/PA	Italy
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Dr	Daria	GARBIN	Centro Ricerche Culturali Dalmate		Press and Media	
Dr	Abhaya	INDURUWA	Canterbury Christ Church University		Academia/ Research	UK
	Giulietta	IORIO	Ministero Università e Ricerca		Gov/PA	Italy
Ms	Dalila	IDRISSU				
Ms	Sheila	KHAWAJA	COSTIS C/O TWAS		international	Italy
Dr	Karlo Ayuel	KUACGOV	Comconi College for Science and Tecnology		Academia/ Research	Sudan
Mr	Christopher	KHISA	Ministry of Science and Tecnology Kenya		Gov/PA	Kenia
Dr	Riadh	LOUNISSI	CITET		International	Tunisia
Mrs	Giusy	LO CASTRO	MFA italy			Italy
Mr	Quand Hui	LIU	Hunan University, China		Academia/ Research	China
Ms	Lamia	SAYAHI	International Centre of Environment Technology of Tunis		International	Tunisia
Dr	A.K.M.Moinul	MEAZE	Chittagong University, Bangladesh	Assoc. Prof.	Academia/ Research	Bangladesh
Ms	Leena	MUNGAPEN	Third World Organization for Women in Science		International	Italy
Mr	Boce	MITREVSKI	Faculty of National Science		Academia/ Research	Macedonia
Ms	Michela	NICOLINI	Regione Autonoma Fliuli Venezia Giulia		Gov/PA	Italy
Dr	Massimo	GRION	University of Udine		Academia/ Research	Italy
Ms	Oyunkhand	ONKHOR	National University of Mongolia		Academia/ Research	Mongolia
Dr	Marino	PERAL	ICTP		International	Italy
Dr	Joyce	PERL	Stanford University		Academia/ Research	USA
Mr	Terry	PETERSON	ICS.UNIDO		International	Italy
	Margherita	PERSI	OGS		Academia/ Research	Italy
Mr	Miran	PECENIK	Netzapping Press Agency		Press and Media	Italy
Mr	Francesco	PERONI	Università di Trieste		Academia/ Research	Italy

Mrs	Sheeba	PAKKAN	MAHE		Academia/ Research	India
Ms	Sandra	RAVALICO	TWAS		International	Italy
Mrs	Miranda	RAPUZZI	Regione Autonoma Friuli Venezia Giulia		Gov/PA	Italy
	Rosula	REYES	Ateneo di Manila University		Academia/ Research	Philippines
Ms	Sara	SPOGLIARICH	Friulia spa			Italy
Dr	Elie	SIMO	Dept of Physics Fac.Scies University Yaounde I Cameroon	Senior Lecturer	Academia/ Research	Cameroon
Ms	Teresa	SAVANELLA	MFA italy		Gov/PA	Italy
Dr	Luca	STILLI	Università di Trieste		Academia/ Research	Italy
Ms	Cristina	SIMOES	TWAS		International	Italy
	Marko	STRUNIE	Hermens			Italy
Dr	Freddy	SANDUKU	Ambasciata RDC Italie		Gov/PA	Italy
	Manuela	STROILI	Azienda Ospedale		Academia/ Research	Italy
Ms	Salah Eldin	TAHANI	University of Khartum		Academia/ Research	Sudan
	Claudio	SARDO	Regione Autonoma Friuli Venezia Giulia		Gov/PA	Italy
Dr	Ivan	SLAPNICAR	University of SPLIT		Academia/ Research	Croatia
Mr	Moses	SOKUMBI	ICTP		International	Italy
Ms	Vyacheslav	SOROKA	ICTP		Academia/ Research	Ucraina
	Daniela	SUBANI	Fondazione Internazionale Trieste		Private Commercial	
Dr	Ibrahim Idris	SULIMAN	Sudan Atomic Energy Commission		Academia/ Research	Sudan
	Jaziri	SIHEM	Facultà de Scence de Biserta		Academia/ Research	Tunisia
Dr	Raniero	TREVISAN	ICTP		International	Italy
Mr	Claudio	TEMPORINI	Università di Udine		Academia/ Research	Italy
Mrs	Indira	THACOR-SIDAYA	Mauritius Mission of UNESCO		Gov/PA	France
Ms	Ezio	VUCK	TWAS		International	Italy
	Fulvia	VOGRIC	Università di Udine		Academia/ Research	
Ms	Paola	VESPA	TWAS		International	Italy
Mrs	Albana	ZOTAJ	Academy of Sciences of Albania		Academia Research	
Mr	Marco	ZENNARO	ICTP		International	Italy
	Livia	ZETTO	ICTP		International	Italy

A1.3 Publications, Press Releases and Dissemination Materials

A1.3.1 Press releases

Three press releases were issued and diffused in the reporting period:

- ▶ Cairo, 17 April 2007 - **Emerging technologies: 1st EUMEDGRID School on Application Porting kicks-off in Cairo**
<http://www.eumedgrid.org/egsap-1/docs/EUMEDGRID-PR150407-EGSAP1-fina.pdf>

- ▶ Trieste, 14 May 2007 – International Grid projects for development at G8-UNESCO forum
<http://www.eumedgrid.org/documents/EU-GRID-PR120507en.pdf> (English)
<http://www.eumedgrid.org/documents/EU-GRID-PR120507es.pdf> (Spanish)
<http://www.eumedgrid.org/documents/EU-GRID-PR120507gr.pdf> (Greek)
http://www.eumedgrid.org/documents/Grid-and-cooperation_TR.pdf (Turkish)
- ▶ Amman, 12 June 2007 - **Mediterranean-Arab countries met in Amman to discuss e-Infrastructures for Research and Education**
http://www.eumedgrid.org/documents/PRESS%20RELEASE_Junet-Eumed%20Conference.pdf

A1.3.2 Press cuts

All press cuttings relating to EUMEDGRID are available on the official website, at the URL: <http://www.eumedgrid.org/cut.html> (with a pdf version of the article and, whenever possible, the link to the online article or other material – video, audio etc) and uploaded on the document repository at: <https://documents.eumedgrid.org/collection/Press%20cuts>, in order to allow an easier research via OAI protocol or metadata description.

The list of press cuttings collected during the reporting quarter is hereby reported:

- 27/06/2007 - ISGTW
[Feature - Growing the fleet: E-infrastructure in the Mediterranean](#) (English)
- 21/06/2007 - Clara
[Mediterranean-Arab countries met in Amman to discuss e-Infrastructures for Research and Education](#)
- 21/06/2007 - I Fatti.com
Empowering eScience across the Mediterranean (Italian)
http://www.ifatti.com/comunicati_leggi.asp?com_id=3194
- 21/06/2007 - Terena
[Mediterranean-Arab countries met in Amman to discuss](#) (English)
- 21/06/2007 - EGEE
[e-Infrastructures for Research and Education to promote development Conference](#) (English)
- 21/06/2007 - ISOC Italia
[Empowering eScience across the Mediterranean](#) (Italian)
- 21/05/2007 - Grid today
[Int'l Grid Projects Participate in G8-UNESCO Forum](#) (English)
- 14/05/07 - EnterTheGrid – PrimeurMonthly
International Grid projects for development at G8-UNESCO forum

<http://www.hoise.com/primeur/07/articles/monthly/AE-PR-06-07-83.html>

- 30/04/2007 - EUN
[1st EUMEDGRID School on Application](#) (English)
- 30/04/2007 - Abdelmalek Essaadi University
[UAE participe au premier Workshop EUMEDGRID](#) (French)
- 26/04/2007 - EGEE
[1st EUMEDGRID School on Application Porting](#) (English)
- 25/04/2007 - ISGTW
[Feature - Cairo Hosts an International Grid School](#) (English)
- 19/04/2007 - CLARA
[Comenzó la Primera Escuela Internacional de Computación Grid EUMEDGRID](#) (Spanish)
- 02/04/2007 - Repubblica Multimedia
"Grid", una rete orizzontale (Italian)

A1.3.3 Dissemination materials

An updated collection of training and dissemination materials can be found online on the project document server. The relevant sections are:

<https://documents.eumedgrid.org/collection/Dissemination%20materials> For general dissemination materials such as leaflets, banners etc, <https://documents.eumedgrid.org/collection/Papers> for papers of scientific relevance and <https://documents.eumedgrid.org/collection/Training%20materials> for advanced knowledge/training materials.

Project public website and online dynamic tools (<http://www.eumedgrid.org>). See above for further details).

Presentation given during internal/attended events. In the following table we make an exhaustive list of all the materials made available during the reporting period

Table 11 - List of presentations and dissemination materials

Title	Author	Delivered on	Link to materials
Introduction to EUMEDGrid Pilot Infrastructure, Site Registration and Certification	Kostas Koumantaros (GRNET)	15 April 2007	https://agenda.eumedgrid.org/getFile.py/access?contribId=1&sessionId=0&resId=0&materialId=slides&confId=30
Installing and troubleshooting - CE+WN	G. Misurelli (CNAF), Reggie Cushing (University of Malta)	15 April 2007	https://agenda.eumedgrid.org/getFile.py/access?contribId=3&sessionId=0&resId=0&materialId=slides&confId=30

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Title	Author	Delivered on	Link to materials
Installing and troubleshooting - SE+MON	Federico Bitelli (University Roma3)	15 April 2007	https://agenda.eumedgrid.org/getFile.py/access?contribId=3&sessionId=0&resId=0&materialId=slides&confId=30
Monitoring Tools - GridICE, Gstat, SAM	Reggie Cushing (UOM)	15 April 2007	https://agenda.eumedgrid.org/getFile.py/access?contribId=4&sessionId=0&resId=0&materialId=slides&confId=30
Support System Usage	G. Misurelli (CNAF)	15 April 2007	https://agenda.eumedgrid.org/getFile.py/access?contribId=6&sessionId=0&resId=0&materialId=slides&confId=30
Installing and troubleshooting Core Services Part A (RB/BDII)	Giuseppe Platania (INFN CT)	15 April 2007	https://agenda.eumedgrid.org/getFile.py/access?contribId=7&sessionId=0&resId=0&materialId=slides&confId=30
Installing and troubleshooting Core Services Part B (LFC)	Rosanna Catania (INFN CT)	16 April 2007	https://agenda.eumedgrid.org/materialDisplay.py?contribId=9&sessionId=1&materialId=slides&confId=30
Installing and troubleshooting Core Services Part C (VOMS) Installing and troubleshooting Core Services Part C (VOMS)	Giuseppe Misurelli (CNAF)	16 April 2007	https://agenda.eumedgrid.org/getFile.py/access?contribId=10&sessionId=1&resId=0&materialId=slides&confId=30
Introduction to EUMEDGrid and EGSAP-1	K. Koumantaros (GRNET)	17 April 2007	https://agenda.eumedgrid.org/getFile.py/access?contribId=0&sessionId=0&resId=0&materialId=slides&confId=18
Detailed technical presentation on application "HERO" to be ported on Grid	M. A. Saleh (Helwan University)	17 April 2007	https://agenda.eumedgrid.org/getFile.py/access?contribId=1&sessionId=0&resId=0&materialId=slides&confId=18
Detailed technical presentation on application "GROGET" to be ported on Grid	S. Benhlima (University of Meknes)	17 April 2007	https://agenda.eumedgrid.org/getFile.py/access?contribId=2&sessionId=0&resId=0&materialId=slides&confId=18
Detailed technical presentation on application "PAREL" to be ported on Grid	N. Mimouni (ESSST)	17 April 2007	https://agenda.eumedgrid.org/getFile.py/access?contribId=3&sessionId=0&resId=0&materialId=slides&confId=18
Detailed technical presentation on application "SimCommsys" to be ported on Grid	J. Briffa (University of Malta)	17 April 2007	https://agenda.eumedgrid.org/getFile.py/access?contribId=4&sessionId=0&resId=0&materialId=slides&confId=18
Detailed technical presentation on "RECCHAR" to be ported on Grid	M. Labidi (MIRACL)	17 April 2007	https://agenda.eumedgrid.org/getFile.py/access?contribId=9&sessionId=0&resId=0&materialId=slides&confId=18
Detailed technical presentation on application "Minimization of String potential" to be ported on Grid	N. ALHAFEZ (HIAST)	17 April 2007	https://agenda.eumedgrid.org/getFile.py/access?contribId=5&sessionId=0&resId=0&materialId=slides&confId=18
Detailed technical presentation on "JP2_GRID" to be ported on Grid	S. Khanfir (ESSST)	17 April 2007	https://agenda.eumedgrid.org/getFile.py/access?contribId=8&sessionId=0&resId=0&materialId=slides&confId=18
Presentation on the available t-Infrastructure and on how to access it (usernames, passwords, etc.)	A. Fuentes (RED.ES)	17 April 2007	https://agenda.eumedgrid.org/getFile.py/access?contribId=12&sessionId=0&resId=0&materialId=slides&confId=18

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Title	Author	Delivered on	Link to materials
Overview of the gLite middleware	R. Bruno (<i>INFN CT</i>)	18 April 2007	https://agenda.eumedgrid.org/getFile.py/access?contribId=15&sessionId=1&resId=0&materialId=slides&confId=18
Rub up on gLite Security and Information Systems	H. Bayindir (<i>ULAKBIM/TUBITAK</i>)	18 April 2007	https://agenda.eumedgrid.org/materialDisplay.py?contribId=16&sessionId=1&materialId=slides&confId=18
Rub up on gLite Workload Management System	G. La Rocca (<i>INFN CT</i>)	18 April 2007	https://agenda.eumedgrid.org/getFile.py/access?contribId=17&sessionId=1&resId=0&materialId=slides&confId=18
Rub up on gLite Data Management System	R. Bruno (<i>INFN CT</i>)	18 April 2007	https://agenda.eumedgrid.org/getFile.py/access?contribId=18&sessionId=1&resId=0&materialId=slides&confId=18
Detailed technical presentation on application "HuM2S" to be ported on Grid	A. Herdagdelen (<i>Bogazici University</i>)	18 April 2007	https://agenda.eumedgrid.org/getFile.py/access?contribId=71&sessionId=1&resId=0&materialId=slides&confId=18
Tricks & Trades series: Scripting techniques to leverage the gLite WMS	P. Celio (<i>INFN Roma3</i>)	19 April 2007	https://agenda.eumedgrid.org/getFile.py/access?contribId=22&sessionId=2&resId=0&materialId=slides&confId=18
Tricks & Trades series: Usage of the GFAL APIs to remotely access your SE files	V. Koukis (<i>GRNET</i>)	20 April 2007	https://agenda.eumedgrid.org/getFile.py/access?contribId=67&sessionId=3&resId=0&materialId=slides&confId=18
Job Management with Data Requirements	P. Celio (<i>INFN Roma3</i>)	21 April 2007	https://agenda.eumedgrid.org/getFile.py/access?contribId=74&sessionId=4&resId=0&materialId=slides&confId=18
Tricks & Trades series: AMGA Metadata Services: examples and usage scenarios	R. Bruno (<i>INFN Catania</i>)	22 April 2007	https://agenda.eumedgrid.org/getFile.py/access?contribId=75&sessionId=6&resId=0&materialId=slides&confId=18
Tricks & Trades series: Leverage the gLite DMS using Access Control List, VOMS groups and Roles	R. Gargana (<i>INFN Roma3</i>)	24 April 2007	https://agenda.eumedgrid.org/getFile.py/access?contribId=40&sessionId=7&resId=0&materialId=slides&confId=18
Tricks & Trades series: Usage of R-GMA for Grid Application Monitoring	K. GINIS (<i>GRNET</i>)	25 April 2007	https://agenda.eumedgrid.org/getFile.py/access?contribId=45&sessionId=8&resId=1&materialId=slides&confId=18
Tricks & Trades series: Build a web frontend to your Grid Application using the GENIUS portal	L. Neri (<i>INFN Catania</i>)	26 April 2007	https://agenda.eumedgrid.org/getFile.py/access?contribId=48&sessionId=9&resId=1&materialId=slides&confId=18
Introduction to EELA/EUMED	Antonio FUENTES BERMEJO	07 May 2007	https://agenda.eumedgrid.org/materialDisplay.py?contribId=3&sessionId=1&materialId=slides&confId=34
Overview of the gLite middleware	Esther MONTES	07 May 2007	https://agenda.eumedgrid.org/getFile.py/access?contribId=4&sessionId=1&resId=0&materialId=slides&confId=34
Authorization and authentication in gLite	Antonio FUENTES BERMEJO	07 May 2007	https://agenda.eumedgrid.org/materialDisplay.py?contribId=5&sessionId=1&materialId=slides&confId=34

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Title	Author	Delivered on	Link to materials
The gLite Information System	Rubio Montero ANT ONIO JUAN	07 May 2007	https://agenda.eumedgrid.org/getFile.py/access?contribId=6&sessionId=1&resId=0&materialId=slides&confId=34
The GILDA t-infrastructure	Claudio CHER UBINO (<i>INFN. CT</i>)	07 May 2007	https://agenda.eumedgrid.org/getFile.py/access?contribId=7&sessionId=1&resId=0&materialId=slides&confId=34
Hands-on on information system	Rubio Montero ANT ONIO JUAN	07 May 2007	https://agenda.eumedgrid.org/getFile.py/access?contribId=9&sessionId=1&resId=0&materialId=slides&confId=34
Architecture of the gLite WMS	Esther MONT ES	08 May 2007	https://agenda.eumedgrid.org/getFile.py/access?contribId=11&sessionId=2&resId=0&materialId=slides&confId=34
Hands-on on WMS	Esther MONT ES	08 May 2007	https://agenda.eumedgrid.org/getFile.py/access?contribId=12&sessionId=2&resId=0&materialId=slides&confId=34
Architecture of the gLite DMS	Manuel RUBI O DEL SOLAR	08 May 2007	https://agenda.eumedgrid.org/getFile.py/access?contribId=13&sessionId=2&resId=0&materialId=slides&confId=34
Hands-on on data management	RUBIO DEL SOLAR (<i>Manuel</i>)	08 May 2007	https://agenda.eumedgrid.org/materialDisplay.py?contribId=14&sessionId=2&materialId=0&materialId=slides&confId=34 https://agenda.eumedgrid.org/materialDisplay.py?contribId=14&sessionId=2&materialId=1&materialId=slides&confId=34
The AMGA metadata catalog	BRUNO (<i>Riccardo</i>)	08 May 2007	https://agenda.eumedgrid.org/getFile.py/access?contribId=17&sessionId=2&resId=0&materialId=slides&confId=34
Hands-on on AMGA	BRUNO (<i>Riccardo</i>)	08 May 2007	https://agenda.eumedgrid.org/getFile.py/access?contribId=16&sessionId=2&resId=0&materialId=slides&confId=34
The GENIUS Grid Portal	Riccardo BRU NO	09 May 2007	https://agenda.eumedgrid.org/getFile.py/access?contribId=19&sessionId=3&resId=0&materialId=slides&confId=34
Hands-on on GENIUS	Claudio CHER UBINO	09 May 2007	https://agenda.eumedgrid.org/getFile.py/access?contribId=19&sessionId=3&resId=0&materialId=slides&confId=34
Special jobs	Claudio CHER UBINO	09 May 2007	https://agenda.eumedgrid.org/getFile.py/access?contribId=22&sessionId=3&resId=0&materialId=slides&confId=34
Installation and configuration of a gLite 3.0 User Interface	Riccardo BRU NO	09 May 2007	https://agenda.eumedgrid.org/getFile.py/access?contribId=22&sessionId=3&resId=0&materialId=slides&confId=34
Introduction to the tutorial for site managers	Antonio FUOE NTES BERMEJO	10 May 2007	https://agenda.eumedgrid.org/getFile.py/access?contribId=27&sessionId=4&resId=0&materialId=slides&confId=34
User Interface installation and configu	Riccardo BRU NO	10 May 2007	https://agenda.eumedgrid.org/getFile.py/access?contribId=33&sessionId=4&resId=0&materialId=slides&confId=34

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Title	Author	Delivered on	Link to materials
BDII server installation and configuration	Carlos FUENT ES BERMEJO	10 May 2007	https://agenda.eumedgrid.org/getFile.py/access?contribId=30&sessionId=4&resId=0&materialId=slides&confId=34
WMS+LB server installation and configuration	Carlos FUENT ES BERMEJO	10 May 2007	https://agenda.eumedgrid.org/getFile.py/access?contribId=32&sessionId=4&resId=0&materialId=slides&confId=34
SRM installation and configuration	Claudio CHER UBINO	10 May 2007	https://agenda.eumedgrid.org/getFile.py/access?contribId=35&sessionId=4&resId=0&materialId=slides&confId=34
CE + WN installation and configuration	Angelines ALB ERTO	11 May 2007	https://agenda.eumedgrid.org/getFile.py/access?contribId=37&sessionId=5&resId=0&materialId=slides&confId=34
LFC server installation and configuration	Omar WALID	11 May 2007	https://agenda.eumedgrid.org/getFile.py/access?contribId=39&sessionId=5&resId=0&materialId=slides&confId=34
EUMedGrid Project	Aouaouche El- Maouhab (CE RIST)	18 June 2007	https://agenda.eumedgrid.org/getFile.py/access?contribId=1&resId=0&materialId=slides&confId=35
GILDA t-Infrastructure	Valeria Ardizz one (INFN Catania)	18 June 2007	https://agenda.eumedgrid.org/getFile.py/access?contribId=2&resId=0&materialId=slides&confId=35
Security in gLite: Authentication and Authorization	Heithem Abbe s (ESSTT)	18 June 2007	https://agenda.eumedgrid.org/getFile.py/access?contribId=3&resId=0&materialId=slides&confId=35
Information System in gLite: BDII and R-GMA	Valeria Ardizz one (INFN Catania)	18 June 2007	https://agenda.eumedgrid.org/getFile.py/access?contribId=5&resId=0&materialId=slides&confId=35
Workload Management System (WMS) in gLite	Paola Celio (I NFN Dipartimento di Fisica Roma TRE)	18 June 2007	https://agenda.eumedgrid.org/getFile.py/access?contribId=7&resId=0&materialId=slides&confId=35
JDL and Job's Type	Paola Celio (I NFN Dipartimento di Fisica Roma TRE)	18 June 2007	https://agenda.eumedgrid.org/getFile.py/access?contribId=8&resId=0&materialId=slides&confId=35
Data Management Part 1: Files Catalog	Adel Safi (ESS TT)	19 June 2007	https://agenda.eumedgrid.org/getFile.py/access?contribId=10&resId=0&materialId=slides&confId=35
Data Management Part 2: Data Movement	Adel Safi (ESS TT)	19 June 2007	https://agenda.eumedgrid.org/getFile.py/access?contribId=12&resId=0&materialId=slides&confId=35
Data Management Part 3: Meta	Adel Safi (ESS TT)	19 June 2007	https://agenda.eumedgrid.org/getFile.py/access?contribId=14&resId=0&materialId=slides&confId=35
EUMEDGrid Infrastructure	Amine Bouabi d (CERIST)	20 June 2007	https://agenda.eumedgrid.org/getFile.py/access?contribId=0&resId=0&materialId=slides&confId=36

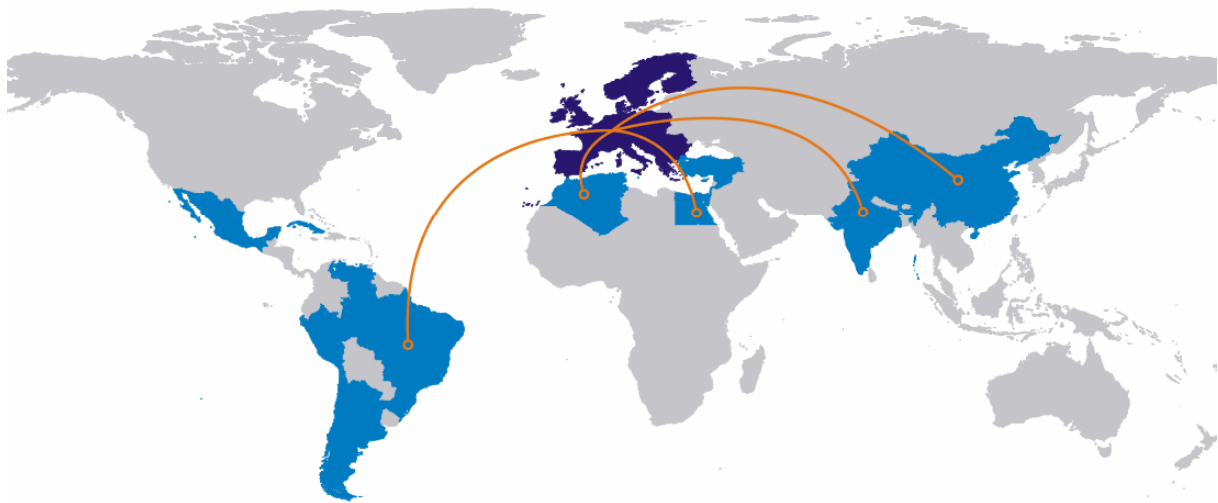
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Title	Author	Delivered on	Link to materials
YAIM - Yet another installation method; Description of YAIM tool and its basic functionalities	Antonio Fuentes (<i>RED.ES</i>)	20 June 2007	https://agenda.eumedgrid.org/getFile.py/access?contribId=2&resId=0&materialId=slides&confId=36
Installation and configuration of gLite WMS + LB	Amine Bouabid (<i>CERIST</i>)	20 June 2007	https://agenda.eumedgrid.org/getFile.py/access?contribId=13&resId=0&materialId=slides&confId=36
Installation and configuration of gLite UI	Amine Bouabid (<i>CERIST</i>)	20 June 2007	https://agenda.eumedgrid.org/getFile.py/access?contribId=3&resId=0&materialId=slides&confId=36
Installation and configuration of gLite CE (Computing Element)	Antonio Fuentes (<i>RED.ES</i>)	20 June 2007	https://agenda.eumedgrid.org/getFile.py/access?contribId=7&resId=1&materialId=slides&confId=36
Installation and configuration of MonBox	Adel Safi (<i>ESS TT</i>)	21 June 2007	https://agenda.eumedgrid.org/getFile.py/access?contribId=11&resId=0&materialId=slides&confId=36
Installation and configuration of DPM (Storage Element)	Paola Celio (<i>INFN Dipartimento di Fisica Roma TRE</i>)	21 June 2007	https://agenda.eumedgrid.org/getFile.py/access?contribId=4&resId=0&materialId=slides&confId=36
Installation and configuration of BDII	Valeria Ardizzone (<i>INFN Catania</i>)	21 June 2007	https://agenda.eumedgrid.org/getFile.py/access?contribId=15&resId=0&materialId=slides&confId=36

Specific materials were created in conjunction with the sister projects EELA, EU-IndiaGrid and EUChinaGRID. Some of these materials are online, while others were created for specific events and are hereby attached as a reference.



Worldwide grids for research



www.eu-eela.org



www.euchinagrid.eu



www.euindiagrid.eu



www.eumedgrid.eu



THE GRID: DRIVING INNOVATION AND DEVELOPMENT IN GLOBAL SCIENCE

*Projects towards a Worldwide Computing Grid
in the European Commission Research Infrastructures Programme*



What are Grids?
Grid Computing is emerging as a major innovation in large scale science carried out through distributed global collaborations (e-Science).
Experts believe that, within two decades, Grids will have an impact comparable to that of World Wide Web.

Why Grids?
Grids can provide access to vast resources (computing, storage, instruments) with modest investments in local infrastructure. Potential benefits to developing countries are considerable, since scientists would be able to join international collaborations based on their potential intellectual contributions alone.

Grids and Development
The Organisation for Economic Cooperation and Development recommends
"The creation of new mechanisms (or the strengthening of existing ones) to facilitate access to Grids for researchers and research organisations in developing countries, plus other appropriate measures to broaden international participation in Grid projects"
(from 2005 OECD Global Science Forum)

Grids in EU FP6 
The European Commission Research Infrastructures Programme supports the OECD Recommendation through several projects under the FP6 program dedicated to joining Grids and strengthening collaborations between Europe and China (EUChinaGrid), India (EU-IndiaGrid), Latin America (EELA), North Africa and the Middle East (EUMedGrid).