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eScience Across the
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Interim Activity Report - 2nd Quarter

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Interim Activity Report – 2nd Quarter

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1. PROJECT OBJECTIVES AND MAJOR ACHIEVEMENTS DURING THE REPORTING PERIOD

During the second quarter the project reached several achievements described in the following paragraphs. In particular 2 deliverables were sent to EC and 3 Milestones accomplished in due time.

In May the project was presented during the TERENA TNC06 Conference in Catania and a joined TB and PMB meeting was also organized on the Sunday before the conference start while a EUMEDCONNECT meeting also followed on Monday.

1.1. Deliverables

Two relevant deliverables were completed and sent to EC during this quarter:

- D2.1 – “User and eInfrastructure requirements capture and analysis”. This document gives a comprehensive picture of the state of the art in the Mediterranean Area regarding the eInfrastructures and, in particular, communication networks and grids. A relevant part of the work was based on the analysis of the result of a questionnaire distributed among the partners. The figures in the document can be considered as a reference picture at the beginning of the project.
- D5.1 – “Intermediate outreach plan”. This document provides a first version of the Outreach Plan for the EUMEDGRID Project. It describes the strategy adopted within the scope of WP5 and namely of A5.2 (Outreach) in order to assume the responsibilities assigned to it in the EUMEDGRID Technical Annex and assesses the necessary actions. The mission and goals of the activity and appropriated measures to pursue them are described. The document also summarises the events held to date, and indicates the ones scheduled and planned for the future. Such initial plan is bound to be revised and updated at M15, building upon the experience gained in the meanwhile.

1.2. Milestones

Three milestones were successfully reached during this quarter:

- M2.1 – “Initial grid communities identified”. This milestone was reached with the help of the questionnaire described in the deliverable D2.1.
- M5.2 – “Public portal ready”. This portal was indeed ready well in advance of the time due and is one of the most useful tools used by the project.
- M2.2 – “Requirements collected and analysed”. The results of the survey were reported in the Deliverable D2.1 mentioned above. All the information (macroeconomic and national environment, telecom situation and user requirements) was timely gathered and analysed in



order to produce the deliverable in due time and to provide an input for the technical roadmap (D2.2 due in the next quarter).

1.3. First Moroccan Site joined the EUMEDGRID Infrastructure

In April the first Moroccan site joined the EUMEDGRID infrastructure. The cluster is operated by CNRST and is visible by the monitoring tools, like GridICE, available on the project web site. This is one of the first activities in the framework of the Moroccan National Grid initiative (MaGrid).

2. WORKPACKAGE PROGRESS OF THE PERIOD

2.1. ACTIVITY SUMMARY

An intensive administrative and technical activity has been carried out during this quarter. In the following paragraphs these activities and related issues are discussed.

2.1.1. WP1: Project Administrative and Technical Management

The activity of this Work-package was mainly dedicated to administrative and technical items described in the following paragraphs.

A1.1 – Administrative Management

A large part of the work of this activity was spent by the Project Manager and the Project Office to support the partners in administrative issues (see the following par. 2.3.1).

A PMB meeting was organized in Catania the day before the start of the TERENA TNC06 Conference.

The Project Office started, in collaboration with the WP5, the work of organization of the first project conference in Rome in September 2006. The organizing partners will be INFN and GARR with help of the Department of Physics of University of Roma Tre.

Table 1 - Second Instalments of the EC pre-financing

Partner N.	Partner short name	Amount in €	Comments
2	CERN	27.963,36	
3	CYNET	28.914,11	
4	DANTE	3.579,31	
5	GARR	35.345,68	
6	GRNET	51.452,58	
7	RED.ES	13.422,41	
8	UoM	34.842,34	
9	CERIST	18.959,16	
10	CNRST	18.959,16	
11	EUN	18.959,16	Not yet delivered
12	HIAS	18.959,16	
13	MSRTDC	18.959,16	
14	TUBITAK	15.156,14	
TOTAL		368.333,35	

In the *Table 1* there is a synthetic list of the second instalments distributed. The amount due to EUN (Egypt) was not distributed because the Bank Account information was not received (see par. 2.3.1).

A1.2 – Technical Management

CERN Activities:

Reviewed IQR

GARR Activities:

Participation to the TB and coordination of WP5.

GRNET Activities:

Administration of contracts for 3rd parties of GRNET: JUNET and PADI2. Arrangement of payments and deliverables receipt. Consultation with the third parties.

GRNET administration and management.

INFN activities:

The Technical Manager organized the meetings of the Technical Board (TB) and organized the Joint TB/PMB meeting in Catania during the week of the TERENA Conference (TNC06).

MRSTDC Activities:

A change of the Tunisian team working in WP1 occurred by replacing Mrs Malika Zenati by Mrs Sonia Kallel. Mr. Moez JEBARA joined the team to assist in management and financial aspects.

TUBITAK Activities:

TUBITAK ULAKBIM has started to organize the first tutorial which will be performed in Istanbul at the beginning of July.

Presentations:

- “TR-Grid NGI and EC FP6. Grid Projects” Onur Temizsoylu, Erciyes University, Kayseri Turkey, 5 June 2006
- “TR-Grid Site Management and Supported VO's”, Kursad Yusuf Konus, Erciyes University, Kayseri Turkey, 5 June 2006.

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Table 2 - 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	553	(0)	891	(0)	2.470	(910)	1.579	(910)
	Roberto Barbera	A1.2	120	(0)	240	(0)				
	Federico Ruggieri	A1.1	200	(0)	400	(0)				
	Marta Mieli	A1.1	225	(0)	225	(0)				
	Giuseppe Andronico	A1.1	8	(0)	8	(0)				
	Giuseppe Andronico	A1.2	-	-	18	(0)				
CERN	Total	WP1	28	(0)	100	(0)	65	(65)	-35	(65)
	Florida Estrella		28	(0)	100	(0)				
CYNET	Total	WP1	14	(14)	29	(29)	117	(117)	88	(88)
	Eftychios Eftychiou	A1.1	10	(10)	16	(16)				
	Christos Koutsoumpis	A1.1	-	-	9	(9)				
	Rozita Pavlidou	A1.1	4	(4)	4	(4)				
DANTE	Total	WP1	-	-	7	(7)	78	(78)	71	(71)
	David West	A1.1	-	-	7	(7)				
GARR	Total	WP1	115	(115)	173	(173)	312	(312)	139	(139)
	Alessandra De Nicola	A1.1	30	(30)	45	(45)				
	Giada Di Giammarco	A1.1	15	(15)	25	(25)				
	Claudia Santi	A1.1	-	-	8	(8)				
	Federica Tanlongo	A1.1	55	(55)	70	(70)				
	Federica Tanlongo	A1.2	15	(15)	25	(25)				
GRNET	Total	WP1	54	(54)	101	(101)	273	(273)	172	(172)
	Zoi Panagiotara	A1.1	34	(34)	81	(81)				
	Mahir Sabra	A1.1	20	(20)	20	(20)				
RED.ES	Total	WP1					78	(78)	78	(78)
UoM	Total	WP1					221	(221)	221	(221)
CERIST	Total	WP1	80	(64)	160	(128)	208	(208)	48	(80)
	El-Maouhab Aouaouche	A1.1	40	(32)	80	(64)				

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
	El-Maouhab Aouaouche	A1.2	40	(32)	60	(48)				
	Khelladi Abdelkader	A1.1	-	-	20	(16)				
CNRST	Total	WP1	45	(45)	55	(55)	208	(208)	153	(153)
	Redouane Merrouch	A1.1	10	10	20	(20)				
	Redouane Merrouch	A1.2	10	10	10	(10)				
	Nabil Talhaoui	A1.2	15	15	15	(15)				
	Hassan Bouhaddou	A1.2	10	10	10	(10)				
EUN	Total	WP1					208	(208)	208	(208)
HIAST	Total	WP1	5	(5)	85	(85)	208	(208)	123	(123)
	Maher Suleiman	A1.1	5	(5)	55	(55)				
	Moutasem Shafa Amry	A1.2	-	-	30	(30)				
MRSTDC	Total	WP1	24	(24)	144	(144)	208	(208)	64	(64)
	Mohamed Jemni	A1.1	10	(10)	34	(34)				
	Mohamed Jemni	A1.2	6	(6)	30	(30)				
	Malika Zenati	A1.1	-	-	48	(48)				
	Malika Zenati	A1.2	-	-	24	(24)				
	Sonia Kallel	A1.1	4	(4)	4	(4)				
	Sonia Kallel	A1.2	4	(4)	4	(4)				
TUBITAK	Total	WP1					208	(208)	208	(208)

2.1.2. WP2: Requirement Capture and Analysis

All the partners contributed to the activity:

- Advertising the questionnaire to their contacts in the Research and Education community in their Countries;
- Contributing to gather the information about macro-economics, IT and telecom situation, NGI status;
- Reviewing the final document (D2.1)

CERN Activities:

- Reviewed D2.1
- Coordination of D2.2 including ToC, planning & merging of sections.

GRNET Activities:

Involved Personnel: Kostas Koumantaros, Ioannis Liabotis, Fotis Karagiannis

Core work:

- Studying the middleware migration strategy from LCG-2.7 to glite 3.0 (Input to D2.2)
- Gathering the site infrastructure and deployment plans from all partners (Input to deliverable D2.2)
- Studying and proposing the EUMEDGRID strategy on how mature EUMEDGRID sites can join EGEE (Input to D2.2)
- Gathering the NGI specification from third parties (JUNET, PADI2)
- Continued the studies conducted in the first quarter of technical solutions for technical support of site administrators and users such as helpdesk, monitoring, EUMEDGRID Operations center web-portal.
- Refinement of the support groups structure.

(GRNET) 3rd Parties Activities:

JUNET: Gathering state of the art in Jordan regarding infrastructure, resources and user's statistics (input to D2.1)

PADI2: Gathering state of the art in Palestine regarding infrastructure, resources and user's statistics (input to D2.1)

UoM Activities:

In the second quarter, A2.1 (Gathering and analysis of country data) proceeded with the gathering and analysis of questionnaire responses from the participant countries. In all ninety six responses were

received from eleven countries by the deadline in PM4, dealing with issues such as grid computing experience, applications, system software in use, available computer hardware, and training facilities.

Furthermore, information gathered in the first quarter from project partners in the Mediterranean countries, including country profiles, the telecommunications and IT sector status in each country, and the organisational and technical status of the relevant NRENs, was edited and integrated into a coherent document at UoM.

A draft of D2.1 (User and eInfrastructure requirements capture and analysis) was completed by UoM in PM5 and circulated amongst project partners and the EUMEDGRID Technical Board. This document provides an overview of the information gathering exercise carried out in Q1 and Q2, and draws various conclusions regarding the status of grid computing in the Mediterranean. Milestones M2.1 (Initial grid communities identified) and M2.2 (Requirements collected and analysed) were reached within the stipulated deadline.

Work on A2.2 (Study state of the art and propose technical roadmap) commenced ahead of schedule in PM5 with the drafting of the table of contents for D2.2 (Proposed technical roadmap). As stated in the DoW, D2.2 will utilise the knowledge gained in A2.1 to formulate a strategy and technical roadmap for EUMEDGRID. The table of contents was approved by WP2,3 and 4 managers, and an action list was distributed in early June. By the end of June, the following section contributions to the deliverable have been received: Introduction to LCG2.7, Introduction to gLite3.0, LCG2.7 installation guide, gLite3.0 installation guide, Monitoring & Testing.

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Table 3 - 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					13	(0)	13	(0)
CERN	Total	WP2	273	(215)	273	(215)	715	(650)	442	(435)
	Domenico Vicinanza		215	(215)	215	(215)				
	Florida Estrella		58	(0)	58	(0)				
CYNET	Total	WP2	136	(113)	208	(113)	208	(169)	0	(56)
	Kyriakos Maifoshis	A2.1	23	(0)	95	(0)				
	Michael Theodoulou	A2.1	113	(113)	113	(113)				
DANTE										
GARR										
GRNET	Total	WP2	311	(311)	686	(686)	585	(468)	-101	-(218)
	Ioannis Liabotis	A2.1	-	-	17	(17)				
	Ioannis Liabotis	A2.2	145	(145)	246	(246)				
	Kostas Koumantaros	A2.1	-	-	24	(24)				
	Kostas Koumantaros	A2.2	78	(78)	222	(222)				
	Ognjen Prnjat	A2.1	-	-	13	(13)				
	Ognjen Prnjat	A2.2	-	-	75	(75)				
	Fotis Karayannis	A2.2	33	(33)	33	(33)				
	Mahir Sabra	A2.2	25	(25)	25	(25)				
	Yousef Torman	A2.2	30	(30)	30	(30)				
RED.ES										
UoM	Total	WP2					936	(793)	936	(793)
CERIST	Total	WP2	0	(0)	140	(112)	520	(442)	380	(330)
	Aouaouche El-Maouhab	A2.1	-	-	40	(32)				
	Farida Brahimi	A2.1	-	-	25	(20)				
	Ouafa Bentaleb	A2.1	-	-	25	(20)				
	Hassine Benaissa	A2.1	-	-	25	(20)				
	Salim Asselah	A2.1	-	-	25	(20)				
CNRST	Total	WP2	240	(180)	375	(315)	520	(442)	145	(127)
	Redouane Merrouch	A2.1	40	30	85	(75)				

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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
	Redouane Merrouch	A2.2	40	30	40	(30)				
	Nabil Talhaoui	A2.1	40	30	85	(75)				
	Nabil Talhaoui	A2.2	40	30	40	(30)				
	Youness Hamidi	A2.1	-	-	45	(45)				
	Hassan Bouhaddou	A2.1	40	30	40	(30)				
	Hassan Bouhaddou	A2.2	40	30	40	(30)				
EUN	Total	WP2			520	(442)	520	(442)		
HIAST	Total	WP2	25	(25)	85	(85)	520	(442)	435	(357)
	Maher Suleiman	A2.1	25	(25)	85	(85)				
MRSTDC	Total	WP2	96	(96)	224	(224)	520	(442)	296	(218)
	Mohamed Jemni	A2.1	32	(32)	56	(56)				
	Mohamed Jemni	A2.2	32	(32)	40	(40)				
	Malika Zenati	A2.1	-	-	48	(48)				
	Malika Zenati	A2.2	-	-	48	(48)				
	Sonia Kallel	A2.1	16	(16)	16	(16)				
	Sonia Kallel	A2.2	16	(16)	16	(16)				
TUBITAK	Total	WP2	-	-	210	(105)	520	(442)	310	(337)
	Burcu Akcan	A2.1	-	-	210	(105)				

2.1.3. WP3: Pilot Infrastructure Operational Support

CERN Activities:

Training of CERN staff in site installation and administration, testing and certification.

Attended the EGEE SA3 All Hands Meeting at CERN 21-22 June 06.

CNRST Activities:

First cluster installed with Grid Middleware available since April 2006. The site is monitored by GridICE and other tools like Real Time Monitor.

GRNET Activities:

Involved Personnel: Kostas Koumantaros

- Definition of the layout of core services and the technical strategy
- Initial implementation of the proposed solution of the EUMEDGRID Operations Center
- Initial Implementation of the EUMEDGRID ticketing system
- Pilot Operation of the EUMEGRID help desk
- New Site registration and certification.

INFN Activities:

Catch-all CA management and coordination.

Management and support of GRID services: VOMS, GridICE, etc.

MRSTDC Activities:

The Tunisian team working in WP3 has resolved many problems related mainly to Internet connection after many requests, contacts and meetings (opening necessary ports without firewall, obtaining domain names server for each machine of the cluster constituting the Tunisian node). Mohamed Jemni has established the Registration Authority after his authentication in CNR-Italy in Pisa. Before Greece tutorial LCG, many experimentations have been done with GILDA. After the tutorial, the team has switched to LCG : preparation of 5 machines with scientific Linux, installing LCG CE, SE, MON, WN and UI. The connection of the node is almost ready. The team is working to setup the final configuration, and the node will be hopefully ready very soon.

TUBITAK Activities:

HGSM (Hierarchical Grid Site Management) tool, developed for SEE-GRID project and currently used in SEE-GRID2 project, has been redeveloped by TR-Grid GIM to give infrastructural information support to EUMEDGRID project.

EUMEDGRID infrastructure and VO has been supported by Turkish grid site TR-01-ULAKBIM with 128 nodes during the second quarter of the project.

Table 4 – 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	407	(340)	491	(340)	2,938	(2.314)	2,447	(1.974)
	Roberto Cecchini	A3.5	-	-	44	(0)				
	Paola Celio	A3.2	10	(0)	20	(0)				
	Riccardo Gargana	A3.2	30	(0)	50	(0)				
	Federico Bitelli	A3.2	15	(0)	25	(0)				
	Federico Bitelli	A3.3	12	(0)	12	(0)				
	Giuseppe Misurelli	A3.2	340	(340)	340	(340)				
CERN	Total	WP3	71	(71)	71	(71)	780	(650)	709	(579)
	Domenico Vicinanza		71	(71)	71	(71)				
CYNET	Total	WP3	165	(140)	173	(148)	1,365	(1.157)	1,192	(1.009)
	Christos Koutsioupis	A3.5	7	(7)	15	(15)				
	Michael Theodoulou	A3.1	25	(25)	25	(25)				
	Michael Theodoulou	A3.2	51	(51)	51	(51)				
	Michael Theodoulou	A3.5	7	(7)	7	(7)				
	Kyriakos Maifoshis	A3.1	15	(0)	15	(0)				
	Kyriakos Maifoshis	A3.2	10	(0)	10	(0)				
	Eftychios Eftychiou	A3.1	50	(50)	50	(50)				
DANTE	Total	WP3					299	(234)	299	(234)
GARR										
GRNET	Total	WP3	130	(130)	130	(130)	2,535	(2.028)	2,405	(1.898)
	Ioannis Liabotis	A3.1	32	(32)	32	(32)				
	Kostas Koumantaros	A3.1	39	(39)	39	(39)				
	Kostas Koumantaros	A3.2	59	(59)	59	(59)				
RED.ES	Total	WP3	-	-	8	(8)	390	(312)	382	(304)

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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
	Esther Robles	A3.4	-	-	8	(8)				
UoM	Total	WP3					2.197	(1.859)	2.197	(1.859)
CERIST	Total	WP3	200	(160)	200	(160)	1.560	(1.326)	1.360	(1.166)
	El-Maouhab Aouaouche	A3.1	40	(32)	40	(32)				
	El-Maouhab Aouaouche	A3.2	20	(16)	20	(16)				
	El-Maouhab Aouaouche	A3.3	20	(16)	20	(16)				
	Brahimi Farida	A3.2	40	(32)	40	(32)				
	Bentaleb Ouafa	A3.2	40	(32)	40	(32)				
	Bouabid Amine	A3.2	40	(32)	40	(32)				
CNRST	Total	WP3	665	(512)	665	(512)	1.560	(1.326)	895	(814)
	Redouane Merrouch	A3.1	50	40	50	(40)				
	Redouane Merrouch	A3.2	15	10	15	(10)				
	Redouane Merrouch	A3.3	15	10	15	(10)				
	Redouane Merrouch	A3.5	20	15	20	(15)				
	Nabil Talhaoui	A3.1	40	30	40	(30)				
	Nabil Talhaoui	A3.2	25	20	25	(20)				
	Nabil Talhaoui	A3.3	15	10	15	(10)				
	Nabil Talhaoui	A3.4	15	10	15	(10)				
	Redouane Chajar	A3.2	85	70	85	(70)				
	Redouane Chajar	A3.3	25	20	25	(20)				
	Redouane Chajar	A3.4	15	10	15	(10)				
	Youness Hamidi	A3.2	85	70	85	(70)				
	Youness Hamidi	A3.3	25	20	25	(20)				
	Youness Hamidi	A3.4	15	10	15	(10)				
	Hassan Bouhaddou	A3.1	40	30	40	(30)				
	Hassan Bouhaddou	A3.2	25	20	25	(20)				
	Hassan Bouhaddou	A3.3	15	10	15	(10)				
	Hassan Bouhaddou	A3.4	15	10	15	(10)				
	Abdelfettah Mezziane	A3.2	85	70	85	(70)				
	Abdelfettah Mezziane	A3.3	25	20	25	(20)				
	Abdelfettah Mezziane	A3.4	15	10	15	(10)				

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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
EUN	Total	WP3					1.560	(1.326)	1.560	(1.326)
HIAST	Total	WP3	26	(26)	113	(113)	1.560	(1.326)	1.447	(1.213)
	Maher Suleiman	A3.3	-	-	5	(5)				
	Maher Suleiman	A3.4	-	-	20	(20)				
	Maher Suleiman	A3.5	10	(10)	30	(30)				
	Abdallah Issa	A3.3	16	(16)	48	(48)				
	Moutasem Shafa Amry	A3.5	-	-	10	(10)				
MRSTDC	Total	WP3	504	(504)	968	(968)	1.560	(1.326)	592	(358)
	Mohamed Jemni	A3.4	96	(96)	192	(192)				
	Mohamed Jemni	A3.5	32	(32)	64	(64)				
	Heithem Abbes	A3.1	48	(48)	96	(96)				
	Heithem Abbes	A3.4	96	(96)	192	(192)				
	Adel Essafi	A3.1	48	(48)	96	(96)				
	Adel Essafi	A3.4	96	(96)	192	(192)				
	Ahmed Elleuch	A3.4	48	(48)	96	(96)				
	Sonia Kallel	A3.1	8	(8)	8	(8)				
	Sonia Kallel	A3.3	8	(8)	8	(8)				
	Sonia Kallel	A3.4	24	(24)	24	(24)				
TUBITAK	Total	WP3	30	(15)	240	(120)	1.040	(884)	800	(764)
	Kursad Yusuf	A3.2	-	-	150	(75)				
	Kursad Yusuf	A3.3	30	(15)	90	(45)				



2.1.4. WP4: Applications Support

This activity started on PM6, when final outcomes of WP2 were available and the pilot infrastructure was already started. Some of the applications were already foreseen in the program of work (Annex I to the contract) and, in particular, EGEE supported applications were available for deployment (i.e., LHC experiments applications). The pilot infrastructure was used by LHC VOs but with essentially no user from the south of the Mediterranean, due to the lack of certificates requested: the Registration Authorities of the INFN Catch-all Certification Authority were just created.

The study of the porting of Hydrological applications (i.e., CODESA-3D) was also started using the GILDA t-Infrastructure.

Based on the results of the Deliverable D2.1 a questionnaire on new applications is under preparation and will be soon made available on the web.

2.1.5. WP5: Dissemination and Outreach

During the quarter, Deliverable 5.1, due on PM 5, was delivered on schedule and two milestones were successfully met well in advance in comparison to the expected deadline (which falls in the next reporting period):

- ▶ M5.3 - Dissemination material ready (due on Project Month 7)
- ▶ M5.4 - Initial setup of outreach material (due on Project Month 7)

A5.1 – Project dissemination activities

Project website

As stated in the report relating to the previous quarter, M5.2, “Public portal ready” due on Project Month 4, was in fact reached well beforehand (for details, see <http://www.eumedgrid.org> and <http://www.eumedgrid.org/documents/EUMEDGRID-QR01-V7.pdf> , were an in-deep description of the website content architecture, implementation etc is given). However, activities related with the task of maintaining, enriching and updating the website continued during the whole period.

Dissemination materials

A set of dissemination materials was created (thus meeting M.5.3 well beforehand) for the needs of the EUMEDGRID presence to TNC2006 and similar occasions. The set involves the following:

- ▶ **Project information sheet (In English and French).**

The basic version (high resolution pdf, screen version) of the sheet was ready from the previous quarter (for details, download the information sheet at: http://www.eumedgrid.org/documents/EUMEDGRIDproject_summary.pdf or see the EUMED-GRID 1st quarterly report at: <http://www.eumedgrid.org/documents/EUMEDGRID-QR01-V7.pdf>. A second, ready-to-print version was then created and made available to partners

This second version was created in professional print quality; pages are spread, so that it is ready to be delivered as is to a professional printing service (or to be printed on a postscript printer). It is provided with instructions and tips for professional results. In this way, each partner may print as much leaflets as needed for their national and local events without direct intervention from the PO, thus minimizing time to have the leaflet ready and shipping costs. The information sheet is available as usual on the online project document repository at:

<https://documents.eumedgrid.org/getfile.py?recid=149>.

- ▶ **“What are Grids?” leaflet (English)**

This leaflet is a short and very simple introduction to grids for non-technical, beginner audiences (i.e., for example, students from high schools or universities without specific skills in grids or informatics in general. It was conceived in order to meet the dissemination needs in very generic occasions. As its format is an A4 simple page, it can be distributed in electronic version as well as printed.

▶ **EUMEDGRID poster**

The poster, first submitted and presented to TNC2006 (see below for details), was then made available as a generic project presentation which partners can display and present in occasion of local dissemination events, exhibitions etc. The poster was made available in A1 format, printing quality, together with printing instructions and tips.

▶ **Project customized gadgets and giveaways:**

Several small items customized with the project logo were produced to be distributed at international events, thus contributing in creating a stronger brand for the project. The first set of gadgets includes the following:

- ▶ **EUMEDGRID blocknotes:** The master version of this item was made available in electronic version (high-resolution, print quality PDF format,) so that partners could decide to print it in their own country. It can be found at: <https://documents.eumedgrid.org/getfile.py?recid=148>.
- ▶ **EUMEDGRID Folder (In English and French):** The master version of this item was made available in electronic version (high-resolution, print quality PDF format,) so that partners could decide to print it in their own country.

The production of the following items was committed to an external supplier and a part of them was first distributed in occasion of the TNC2006 and GARR conferences:

- ▶ Post-it blocks
- ▶ Badge Strings
- ▶ Pens (two different versions)
- ▶ Paper clips



Figure 1 - some small gadget produced for EUMEDGRID

Presence to TNC2006

Another major dissemination-related activity was performed in the framework of the participation to the TERENA Networking Conference 2006 (TNC06, see <http://www.terena.org/events/tnc2006/>). TNC is one of the major international events in the networking community and it was therefore considered of the greatest importance to take part in it, thus gaining visibility in this important context. For TNC06, an “integrated” presence, involving several dissemination means and levels, was designed. It included the following:

- ▶ Booth (in conjunction with the EUChinaGRID project), displaying an online demonstration of the monitoring of grid activities over the infrastructure and distributing project leaflets and small gadgets (see above);
- ▶ Exhibition/presentation of a project poster (the abstract was published on the conference website and distributed in the conference bags);
- ▶ Invited talk by the Project Manager on “EUMED Grid and China Grid”, given in the “Human, infrastructural and computational networks” session (see http://www.terena.org/events/tnc2006/programme/presentations/show.php?pres_id=229)

- ▶ The project was as well mentioned in the session “Bridging the Mediterranean” (see http://www.terena.org/events/tnc2006/programme/sessions/show.php?sess_id=123): in the context of three different presentations by Mediterranean partners: Algeria (see http://www.terena.org/events/tnc2006/programme/presentations/show.php?pres_id=281), Egypt (see http://www.terena.org/events/tnc2006/programme/presentations/show.php?pres_id=282) and Morocco (http://www.terena.org/events/tnc2006/programme/presentations/show.php?pres_id=283).

The activity around the event involved a number of partners from different countries, but mainly the Italian partners, facilitated by the location of the event and their relationship with the Organizing Committee and included an intense activity of PRs, media relations, the creation and production of the mentioned giveaways, the submission of the poster to the appropriate call. All those activities continued during the GARR national Conference “*eInfrastrutture per lo sviluppo*” (i.e. “*eInfrastructures for development*”), which followed TNC in the same location and created a wide interest in the Italian press, especially on the subject of International cooperation. Several press cuttings (amongst whom national newspapers as Il Sole 24 Ore and important agencies such as ANSAmed) resulted from this activity.

Organization of the first Project Conference in Rome

In the reporting period, preparatory activities to the 1st project Conference, to be held in Rome in September begun (see <http://www.eumedgrid.org/Conf-Roma06/>). Because of the selected location and their commitment in WP5 and Project Office, these activities, involving logistics, programme, event website and materials, were mainly performed by the Italian partners, GARR and INFN. As the conference itself falls in the third quarter, more details on this topics will be provided in next Quarterly Report.

GARR activities:

GARR activities were mainly focused on the presence to the events in Catania and Geneva, the editing and publishing of dissemination materials and the organization of the Project Conference, in cooperation with INFN.

As main responsible of the website, GARR devoted as well a part of the effort in performing the day-by-day management and update of the website and the creation of web pages providing information on particular dissemination events.

GRNET Activities:

Meetings:

Fotis Karayannis attended the PMB meeting in Catania, and prepared related presentations.

MRSTDC Activities:

The Tunisian team working in WP5 makes a lot of contact with researchers and potential users of Grid in Tunisia to make them aware of the importance of grid computing in general and the opportunities of Eumedgrid in particular. The possibility of organizing a long Tutorial in Tunis during the autumn is explored yet.

TUBITAK Activities:

A dissemination activity was held in Erciyes University to introduce grid computing and grid projects that TUBITAK is involved. During this event EUMEDGRID project was also introduced in detail to the researchers.

A5.2 – Dissemination of advanced knowledge activities

For the quarter, activities were mainly devoted to:

- ▶ **Produce Deliverable 5.1 “Intermediate outreach plan”**, due on PM 5 (see <http://www.eumedgrid.org/deliverable/D5.1.html>). The document provides a first version of the Outreach Plan for the Project. It discusses the EUMEDGRID Outreach strategy and assesses the appropriate measures to pursue them are described. The document also summarises the events held to date, and indicates the ones scheduled and planned for the future. Such initial plan is bound to be revised and updated at M15, building upon the experience gained in the meanwhile.
- ▶ **Prepare and gather a complete set of outreach materials**, thus meeting in advance milestone 5.4 (see <http://www.eumedgrid.org/milestone/M5.4.html>). All available training and outreach materials have been divided in categories of content and can be downloaded from the EUMEDGRID document server, at: <https://documents.eumedgrid.org/collection/Training%20materials>.

Organize the second EUMEDGRID tutorial, to be held in Istanbul at the very beginning of the next quarter. More details on the event will be given in the next Quarterly Report; the programme and materials of the tutorial can be found at:

<https://agenda.eumedgrid.org/conferenceDisplay.py?confId=a0657>

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Table 5 - 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	489	(396)	950	(792)	3.354
	Riccardo Bruno	A5.2	396	(396)	792	(792)				
	Fulvio Galeazzi	A5.2	35	(0)	70	(0)				
	Federico Bitelli	A5.2	18	(0)	28	(0)				
	Paola Celio	A5.3	10	(0)	20	(0)				
	Riccardo Gargana	A5.3	30	(0)	30	(0)				
	Riccardo Gargana	A5.4	-	-	10	(0)				
CERN										
CYNET	Total	WP5	14	(14)	14	(14)	780	(663)	766	(649)
	Christos Koutsouppis	A5.2	14	(14)	14	(14)				
DANTE										
GARR	Total	WP5	315	(315)	750	(750)	3.471	(2.769)	2.721	(2.019)
	Alessandra De Nicola	A5.1	45	(45)	130	(130)				
	Giada Di Giammarco	A5.1	130	(130)	325	(325)				
	Federica Tanlongo	A5.1	110	(110)	265	(265)				
	Valentino Carcione	A5.1	30	(30)	30	(30)				
GRNET	Total	WP5	50	(50)	534	(534)	1.560	(1.248)	1.026	(714)
	Aris Sotiropoulos	A5.2	-	-	118	(118)				
	Fotis Karayannis	A5.2	-	-	8	(8)				
	Fortis Georgatos	A5.2	-	-	126	(126)				
	Evaggelia Athanasaki	A5.2	-	-	232	(232)				
	Madouch Sauhail	A5.2	40	(40)	40	(40)				
	Yousef Torman	A5.2	10	(10)	10	(10)				
RED.ES	Total	WP5	-	-	69	(69)	585	(468)	516	(399)
	Antonio Fuentes	A5.1	-	-	34	(34)				
	Alberto Perez	A5.1	-	-	35	(35)				
UoM	Total	WP5					1.560	(1.326)	1.560	(1.326)
CERIST	Total	WP5					1.560	(1.326)	1.560	(1.326)
CNRST	Total	WP5	405	(298)	405	(298)	1.560	(1.326)	1.155	(1.028)
	Redouane Merrouch	A5.1	15	10	15	(10)				

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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
	Redouane Merrouch	A5.2	15	10	15	(10)				
	Nabil Talhaoui	A5.1	30	20	30	(20)				
	Nabil Talhaoui	A5.2	30	20	30	(20)				
	Redouane Chajar	A5.1	40	30	40	(30)				
	Redouane Chajar	A5.2	55	45	55	(45)				
	Youness Hamidi	A5.1	15	10	15	(10)				
	Youness Hamidi	A5.2	30	20	30	(20)				
	Hassan Bouhaddou	A5.1	40	30	40	(30)				
	Hassan Bouhaddou	A5.2	40	30	40	(30)				
	Abdelfettah Mezziane	A5.1	40	30	40	(30)				
	Abdelfettah Mezziane	A5.2	55	45	55	(45)				
EUN	Total	WP5			1.560	(1.326)	1.560	(1.326)		
HIAS	Total	WP5	90	(90)	270	(270)	1.560	(1.326)	1.290	(1.056)
	Maher Suleiman	A5.1	40	40	70	(70)				
	Maher Suleiman	A5.2	-	-	30	(30)				
	Abdallah Issa	A5.2	-	-	30	(30)				
	Dareen Shehadeh	A5.1	50	50	130	(130)				
	Moutasem Shafa Amry	A5.1	-	-	10	(10)				
MRSTDC	Total	WP5	104	(104)	136	(136)	1.560	(1.326)	1.424	(1.190)
	Mohamed Jemni	A5.1	16	(16)	32	(32)				
	Malika Zenati	A5.1	-	-	16	(16)				
	Sonia Kallel	A5.1	32	(32)	32	(32)				
	Moez Jebara	A5.1	48	(48)	48	(48)				
	Ahmed Elleuch	A5.1	8	(8)	8	(8)				
TUBITAK	Total	WP5	75	(38)	75	(38)	1.040	(884)	965	(847)
	Burcu Akcan	A5.1	75	38	75	(38)				

2.2. MAJOR TASKS, PRODUCTS AND SERVICES

2.2.1. Deliverables and milestones due this quarter

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

Table 6 - Deliverables and Milestones due for the reporting period

Name	N°	Due on	Status
User and eInfrastructure requirements capture and analysis	D2.1	PM 05	Done
Intermediate outreach plan	D5.1	PM 05	Done
Initial grid communities identified	M2.1	PM 04	Reached
Public portal ready	M5.2	PM04	Reached
Requirements collected and analysed	M2.2	PM05	Reached

2.3. SUMMARY OF ISSUES

2.3.1. WP1 Issues

CYNET and CERN tables of working hours during first quarter were not correct. New updated table are shown in the following. The WP effort tables above were updated accordingly.

Table 7 - CYNET: Worked hours during the First Quarter

WP	Name and Surname	Activity	Worked Hours during the first Quarter	
			Total	Funded
WP1	Total	WP1	15	(15)
	Eftychios Eftychiou	A1.1	6	(6)
	Christos Koutsioupis	A1.1	9	(9)
WP2	Total	WP2	72	(56)
	Kyriakos Maifoshis	A2.1	72	(56)
WP3	Total	WP3	8	(8)
	Christos Koutsioupis	A3.5	8	(8)

Table 8 - CERN: Worked hours during the First Quarter

WP	Name and Surname	Activity	Worked Hours during the first Quarter	
			Total	Funded
WP1	Total	WP1	72	(0)
	Florida Estrella	A1.1	72	(0)

Table 9 - INFN: Worked hours during the First Quarter

WP	Name and Surname	Activity	Worked Hours during the first Quarter	
			Total	Funded
WP1	Total	WP1	18	(0)
	Giuseppe Andronico	A1.2	18	(0)

Lack of experience on EC funded Projects among the partners

Many partners which have never participated to an European project and are still not aware of the administrative implications and a first administrative tutorial will be organized for the next PMB at the end of the tutorial in Istanbul in July.

Delay in the distribution of the pre-financing

Not all the partners have acknowledged the reception of the first instalment.

2.3.2. WP2 Issues

While ninety six questionnaire responses were gathered for the A2.1 questionnaire, it must be noted that the distribution of questionnaire responses among participant countries is uneven, with a spread ranging from one response from Egypt to forty two responses from Algeria. Appropriate care must therefore be exercised in the interpretation of the statistics. While the study has determined that there is sufficient interest in the area to make the EUMEDGRID project viable, it has also become evident that extensive dissemination and training activities are required in most countries.

Moreover, it was determined that further details regarding regional grid application requirements need to be gathered, and it was agreed that WP4 would conduct a specialised applications survey during Q3 and Q4 with the assistance of UoM for hosting the online questionnaire.

2.3.3. WP3 Issues

No specific issue to report.

2.3.4. WP4 Issues

No specific issue to report.

2.3.5. WP5 Issues

No specific issue to report.

2.4. Plans for the next reporting quarter

2.4.1. WP1 Future plans

A PMB meeting will be organized for the beginning of July in Istanbul. The third instalment of the EC pre-financing will be released.

2.4.2. WP2 Future plans

The draft document for D2.1 (User and eInfrastructure requirements capture and analysis report) is to be reviewed by the Technical Board, finalised by UoM and submitted to the EC in PM7. This is expected to signal the completion of A2.1 on schedule.

A2.2 will proceed through PM7, with the primary aim of completing D2.2 during Q3 and submitting the deliverable to the EC within the quarter. A2.2 will utilise the knowledge gathered in A2.1, gather further information from the participant countries regarding NGI technical status and solutions, and subsequently determine feasible technical solutions for EUMEDGRID. Specifically, D2.2 will provide:

- an overview of the EGEE middleware stack (LCG2.7, gLite3.0) and its architecture (including upgrade strategies between the two middleware stacks);
- the current status of the application (EGEE and regional) selection process for EUMEDGRID;
- an overview of the proposed EUMEDGRID infrastructure: operating systems, procedures for site installation, monitoring and testing, user support and procedures and plans for joining the EGEE production infrastructure;
- the EUMEDGRID NGI specification, including data on network topology and connectivity, available grid computing and storage resources, and the status of the national grid initiatives.

2.4.3. WP3 Future plans

Continue the expansion of the EUMEDGRID infrastructure with new sites.

Install a Service Availability Monitoring (SAM) server to improve the reliability of the sites belonging to the pilot infrastructure.

2.4.4. WP4 Future plans

The questionnaire for applications will be made available on-line on the project's web site and we will start gathering and analyzing the answers.

2.4.5. WP5 Future plans

In the 3rd quarter, D5.2, "Policy state of the art", is expected at PM9.

A complete set of dissemination material is expected to be available at PM7 and will mark M5.3 "Dissemination material ready" and similar activity will be dedicated to complete M5.4 "Initial setup of outreach material".

Another important milestone will be the 1st Project Conference (M5.5), which will be held in Rome from 11 to 12 September. The workshop will be one of the major events in the Project's life and will be an important occasion to disseminate the project and contact and involve new users as well as give out project materials/giveaways and carry out a successful press campaign.

Another item will be the preparation of the next tutorial in Turkey (3-7 July 2006), which should involve both users/technical personnel and administrative staff.

Furthermore, the publication of the Arabic version of the website and leaflets are expected.

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 (**6**).
- Number of tutorial events held (1) and number of participants per event (15).
- Number of International Meetings, Workshops and Conferences organised (1).
- Number of attended Conferences or workshops with specific EUMEDGRID presentations or posters and/or other dissemination activities (3).
- Number of Groups of interested researchers contacted during the workshops and conferences (2).
- Number of applications/software adaptation and installation on the GILDA t-Infrastructure (0).
- 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 (**25**).

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, including information on:

- Consortium management tasks and their achievement; problems which have occurred and how they were solved
- Contractors: Comments regarding contributions, changes in responsibilities and changes to consortium itself, if any
- Short comments and information on co-ordination activities in the period, such as communication between partners, project meetings, possible co-operations with other projects/programmes, etc.

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

3.1. Consortium management

The consortium was smoothly managed during the quarter with a PMB meeting in Catania, during the TERENA TNC06 conference. The agenda of the meeting is available on the web:

<https://agenda.eumedgrid.org/conferenceDisplay.py?confId=a0648>

3.2. Contractors

A few changes were recorded among the contractors during the quarter; some representatives were changed. In particular GRNET and MRSTDC as it is shown in the following table.

Table 10 - 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

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10	Centre National pour la Recherche Scientifique et Technique, Rabat (MA)	Redouane Merrouch
11	Egyptian Universities Network, Cairo (ET)	Omar Hassan Karam
12	Institute for Applied Sciences and Technology, Damascus (SYR)	Maher Suleiman
13	Ministry of Scientific Research, Technology and Competency Development, Tunis (TN)	Sonia Kallel
14	The Scientific and Technological Research Council of Turkey, Ankara (TR)	Cem Sarac

Table 11 - Project Third Parties

Third Party	Country	Contracting Partner
Bilkent University	Turkey	TUBITAK
Dep. of Physics – University of Roma Tre	Italy	INFN
CRS4 – Center for Advanced Studies in Sardinia	Italy	GARR
ICTP – Abdus Salam International Centre for Theoretical Physics	Italy	INFN
IUCC – Inter University Computing Center	Israel	GARR
Laboratoire Cristal – Ecole National des Sciences de l’Informatique	Tunisia	MRSTDC
JUNet	Jordan	GRNET
PADI2	Palestine	GRNET
Research Unit of ICT – University of Tunis	Tunisia	MRSTDC
University of Messina – Dep. of Mathematics	Italy	INFN

* The Third Parties-Third Countries Organizations are highlighted in the table

During the quarter, responsible persons for some activities were changed. Specifically GRNET changed the WP3 Manager and Activity Manager of A3.1, A3.3 as shown in the table below.

Table 12 - 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	Davide Salomoni	INFN-CNAF
A3.3 -Pilot infrastructure operational support	Kostas Koumantaros	GRNET

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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.

3.3.1. Project and activity Meetings

Date	Location	Meeting	Attendees	Outcome
May 2006	Catania	PMB / TB	20	Status report on the project activities and future plans.

Table 13 - Internal meetings for the reporting period

4. OTHER ISSUES

No other issues to mention.

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

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

During the quarter several tutorials and a few workshops were organized and others were planned as shown in the following table.

Table 14 – Project Conferences and workshops scheduled

Location	Date	Target
Greece (Athens)	27-28 March 2006	Tutorial - Technicians
Turkey (Istanbul)	3-7 July 2006	Tutorial - Technicians and Users
Rome (Italy)	September 2006	First Project Conference and Tutorial
Israel (Tel Aviv)	September 2006	TBD
Tunisia (Tunis)	November 2006	Tutorial - Technicians and Users
Morocco	December 2006	First Project Workshop and Tutorial

A1.2 External Conferences/Workshops attended

During the quarter a single participation to external workshops and conferences was recorded.

Table 15 – External Conferences and workshops attended during the quarter

Date	Location	Title	Participants	Purpose
May 2006	Catania	TERENA TNC06	400	Presentation of EUMEDGRID project

A1.3 Publications, Press Releases and Dissemination Materials

A1.3.1 Press releases

All the available press releases are archived on the project's web site: www.eumedgrid.eu.

A1.3.2 Dissemination materials

- **Project information sheet** providing general information about the project (objectives, Partners and Third Parties, Activities etc) and available for printing and downloading from the website (at: http://www.eumedgrid.org/documents/EUMEDGRIDproject_summary.pdf)
- **Project public website and online dynamic tools** (<http://www.eumedgrid.eu>). See above for further details).



A1.3.3 Press cuts

All press cuts 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).