



Enabling Grids for E-science

Introduction and presentation of the EGEE-III Project

Bob Jones

EGEE-II / EGEE-III Transition Meeting
CERN, Geneva 6-7 May 2008

www.eu-egee.org



EGEE-III INFSO-RI-222667

Tuesday 6 May 2008		
9:00	Tuesday morning	
9:00	Introduction to the Project	Bob Jones
9:30	Managing Consortium contributions to the Program of work	Erwin Laure
10:00	Grant Agreement, Consortium Agreement and JRUs	Anna Cook
10:15	Coffee Break in 600-R-017	
10:45	Financial procedures and tools	Dita Mocova
11:45	Registration Procedures, access to CERN	Marie-Laure Bourgeois-Schutz
12:00	Using EDMS in EGEE-III	France Couchoux
12:15	Templates and supporting documents	Anna Cook
12:30	Dissemination, metrics and tools	Anne-Lise Goisset
13:00	End of transition meeting day 1	
13:00	Lunch	
14:30	Project Management Board – closed meeting	
18:30	Aperitif in Restaurant 2	

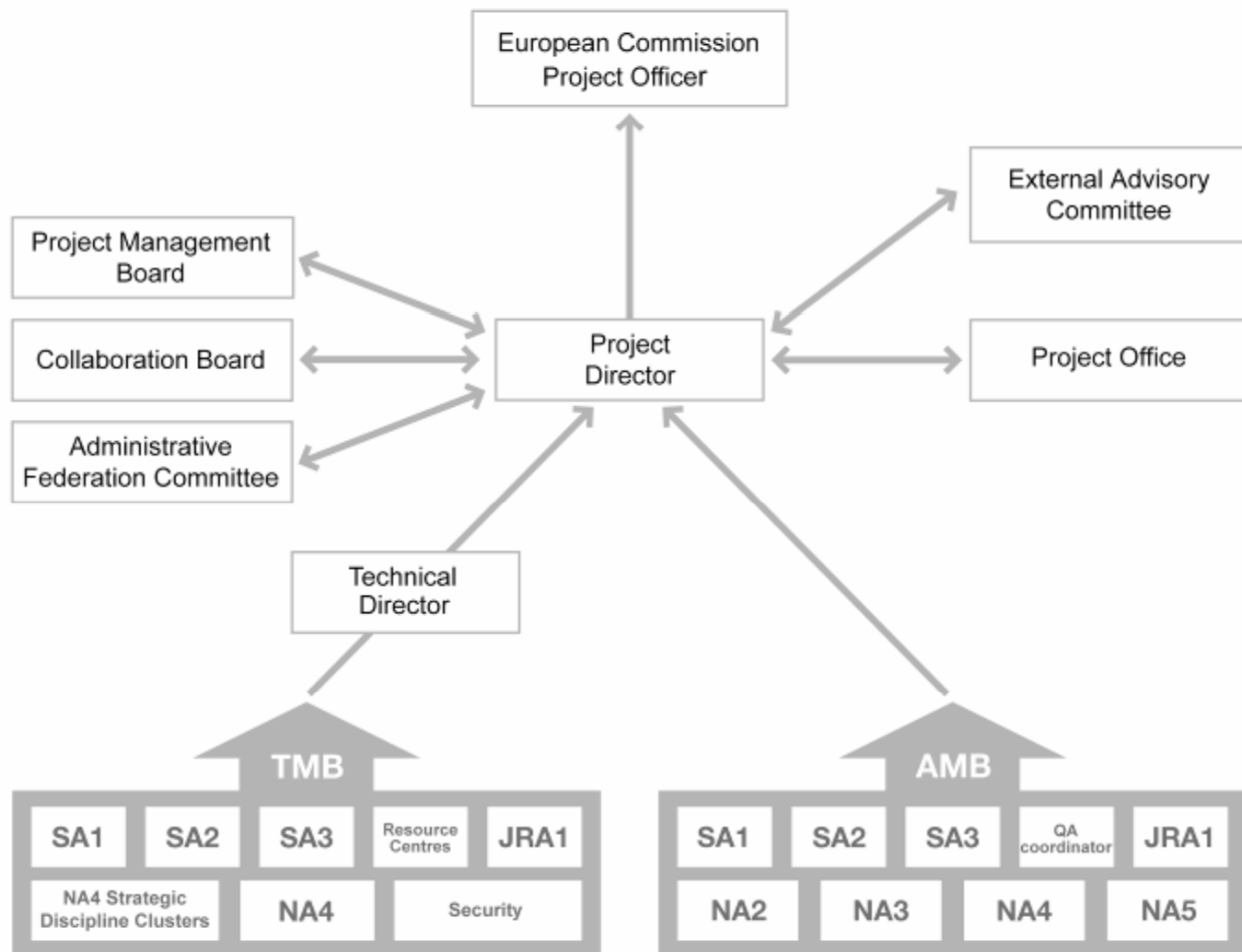
Wednesday 7 May 2008		
9:00	Wednesday morning	
9:00	EGEE-III Programme of Work	Erwin Laure
9:45	SA1 – Grid Operations	Maite Barroso Lopez
10:15	Coffee Break in 600-R-017	
10:45	SA2 – Networking support	Xavier Jeannin
11:05	SA3 – Middleware integration	Oliver Keeble
11:35	JRA1 – Middleware re-engineering	Francesco Giacomini
12:05	Lunch	
13:40	Wednesday afternoon	
13:40	NA3 - Training	Robin Mcconnell
14:00	NA4 – Application support	Cal Loomis
14:45	NA2 – Dissemination & outreach	Sarah Purcell
15:05	Coffee Break in 600-R-017	
15:35	NA5 – Policy and cooperation	Panos Louridas
16:00	Discussions	

- **To present:**
 - The project, its objectives, structure and timelines
 - New features in managing the project (federation reviews)
 - Project tools:
 - Admin
 - Finance
 - Collaborative tools
 - Dissemination and quality assurance aspects
 - All activities' programmes of work
- **Meet the members of the Project Management Board, Project Office, the activity managers and other partners**

- **EGEE-III**
 - Co-funded under European Commission call INFRA-2007-1.2.3
 - 32M€ EC funds compared to ~36M € for EGEE-II
- **Key objectives**
 - Expand/optimize existing EGEE infrastructure, include more resources and user communities
 - Prepare migration from a project-based model to a sustainable federated infrastructure based on National Grid Initiatives
- **2 year period – 1 May 2008 to 30 April 2010**
 - No gap between EGEE-II and EGEE-III (1 month extension to EGEE-II, ended 30 April 2008)
- **Similar consortium**
 - Now structured on a national basis (National Grid Initiatives/Joint Research Units)

- From 91 partners in EGEE-II (+ further 48 JRU members)
- To 42 Beneficiaries in EGEE-III (+ 100 JRU members)
 - This change has been made in preparation for a sustainable infrastructure based on a federation of national e-Infrastructures
- **Activities:**

<i>Networking activities</i>	<i>Specific Service Activities</i>
NA1: Management Bob Jones, CERN	SA1: Operations Maite Baroso Lopez, CERN
NA2: Dissemination Hiring in progress, CERN	SA2: Networking Support Xavier Jeannin, CNRS
NA3: Training Robin McConnell, UEDIN	SA3: Integration, testing & cert. Oliver Keeble, CERN
NA4: Applications Charles A. Loomis, Jr., CNRS	<i>Joint Research Activities</i>
NA5: International Coop. & Policy Panos Louridas, GRNET	JRA1: Middleware engineering Francesco Giacomini, INFN



Asia: Simon Lin (ASGC) / Eric Yen (ASGC)

Benelux: Arjen van Rijn (FOM) / Rosette van den Broucke (VUB)

Central Europe: Ludek Matyska (CESNET) / rotating deputy

CERN: Wolfgang von Rueden (CERN) / Frederic Hemmer (CERN)

DECH: Klaus Peter Mickel (FZK) / Peter Kunszt (ETHZ/CSCS)

France: Guy Wormser (CNRS) / Jean-Pierre Meyer (CEA)

Italy: Mirco Mazzucato (INFN) / Silvio Migliori (ENEA)

Northern: Per Oster (CSC) / Ake Edlund (KTH)

Russia: Vladimir Dobretsov (RRC KI) / Viacheslav Ilyin (SINP MSU)

South East Europe: Fotis Karayannis (GRNET) / rotating Deputy

South West Europe: Manuel Delfino (IFAE) / Jorge Gomez (LIP)

UK/Ireland: Robin Middleton (STFC)

USA: Miron Livny (UWM) / Alan Blatecky (RENCI)

Beneficiary no.	Beneficiary short name	Country	Representative	Alternate
1	CERN	CH	W. von Riden	F. Hemmer
2	JKU	AT	J. Volkert	M. Polak
3	KFKI-RMKI	HU	G. Vesztegombi	D. Horvath
4	CESNET	CZ	L. Matyska	H. Sverenyak
5	II SAS	SK	L. Hluchy	J. Astalos
6	JSI	SI	M. Mikuz	A. Filipcic
7	CYFRONET	PL	A. Kuszniir	Ozieblo
8	SRCE	HR	I. Maric	D. Dobrenic
9	FOM	NL	J. Templon	A. van Rijn
10	VUB	BE	Rosette Van den Broecke	Paul Van Binst
11	FZK	DE	S. Hemann	Klaus-Peter Mckel
12	SWITCH	CH	C. Witzig	C. Graf
13	CNRS	FR	R. Runler	Y. Legre
14	CGGV	FR	D. Thomas	G. Youinou
15	INFN	IT	M. Mazzucato	S. Migliori
16	ED	IT	S. Beco	F. Rossi
17	TRUST-IT	IT	S. Muscella	S. Holsinger
18	UHIP	FI	T. Niemi	J. Hakkala
19	CSC	FI	P. Lehtovuori	P. Oster
20	SIGMA	NO	J. Koster	Petter Kongshaug
21	VR-SNIC	SE	S. Holmgren	A. Edlund

22	RRCKI	RU	A. Soldatov	V. Dobretsov
23	GRNET	GR	F. Karagiannis	T. Chiotis
24	IPPBAS	BG	K. Boyanov	E. Atanassov
25	UCY	CY	M. Dikaiakos	M. Povech-Pouyiouta
26	TAU	IL	D. Horn	E. Aranovich
27	ICI	RO	D. Banciu	G. Neagu
28	IPB	RS	A. Belic	A. Balaz
29	TUBITAK	TR	B. Ortakaya	O. Temizsoylu
30	LIP	PT	J. Gomes	M. David
31	IFAE	ES	M. Delfino	M. Porto
32	TCD	IE	B. Coghlan	J. Walsh
33	SIFC	UK	J. Gordon	Robin Middleton
34	DANIE	UK	R. Sabatino	
35	KEK	JP	Setsuya Kawabata	Takashi Sasaki
36	ASGC	TW	S. Lin	E. Yen
37	KISTI	KR	S. Hwang	J. Kim
38	CNU	KR	Doman Kim	Do Won kim
39	UNIMELB	AU	G. Mclnney	
40	UWM	USA	M. Livny	T. Tannenbaum
41	RENCI	USA	Alan Blatecky	John Callagher
42	BT-IC	FR	J.F. Musso	G. Zaquire

- **Joint Research Units (precursors to National Grid Initiatives):**
 - Austria
 - Belgium
 - Bulgaria
 - Croatia
 - Cyprus
 - France
 - Germany
 - Greece
 - Hungary
 - Israel
 - Italy
 - Netherlands
 - Norway
 - Poland
 - Romania
 - Russia
 - Spain
 - Sweden
 - Switzerland
 - Turkey
 - United Kingdom
- **JRU members will be invited to Collaboration Board meetings as Observers**

- **US: Middleware development, interoperability, Support to new user communities**
 - UWM
 - RENCI
- **Asia Pacific: expanding EGEE infrastructure within Asia Pacific**
 - ASGC (SA1 Regional Operations Centre)
 - KISTI
 - CNU
 - New partners: KEK (Japan), UNIMELBOURNE (Australia)
- **Commonwealth of Independent States (CIS)**
 - Initial contact to encourage them to join the infrastructure
- **➔ For these regions the EGEE NA1 budget includes limited funds to provide financial assistance to attend EGEE events**

- **Collaborating Projects Liaison Office (CPLO)**
 - Based at CERN
 - Supervises the liaison with all registered Collaborating Projects
 - Maintain database of Collaborating Projects
- **Development of a Memorandum of Understanding procedure to refine and detail collaborations and common programmes of work**
 - First MoU in preparation with EDGES project
 - Projects with which MoU are foreseen:

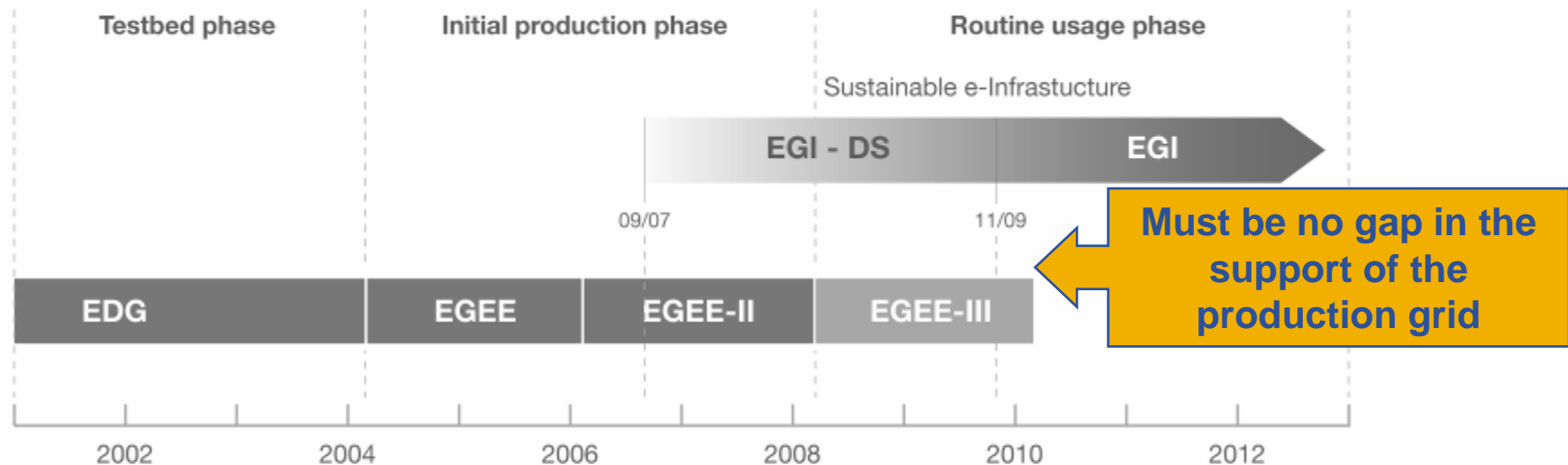


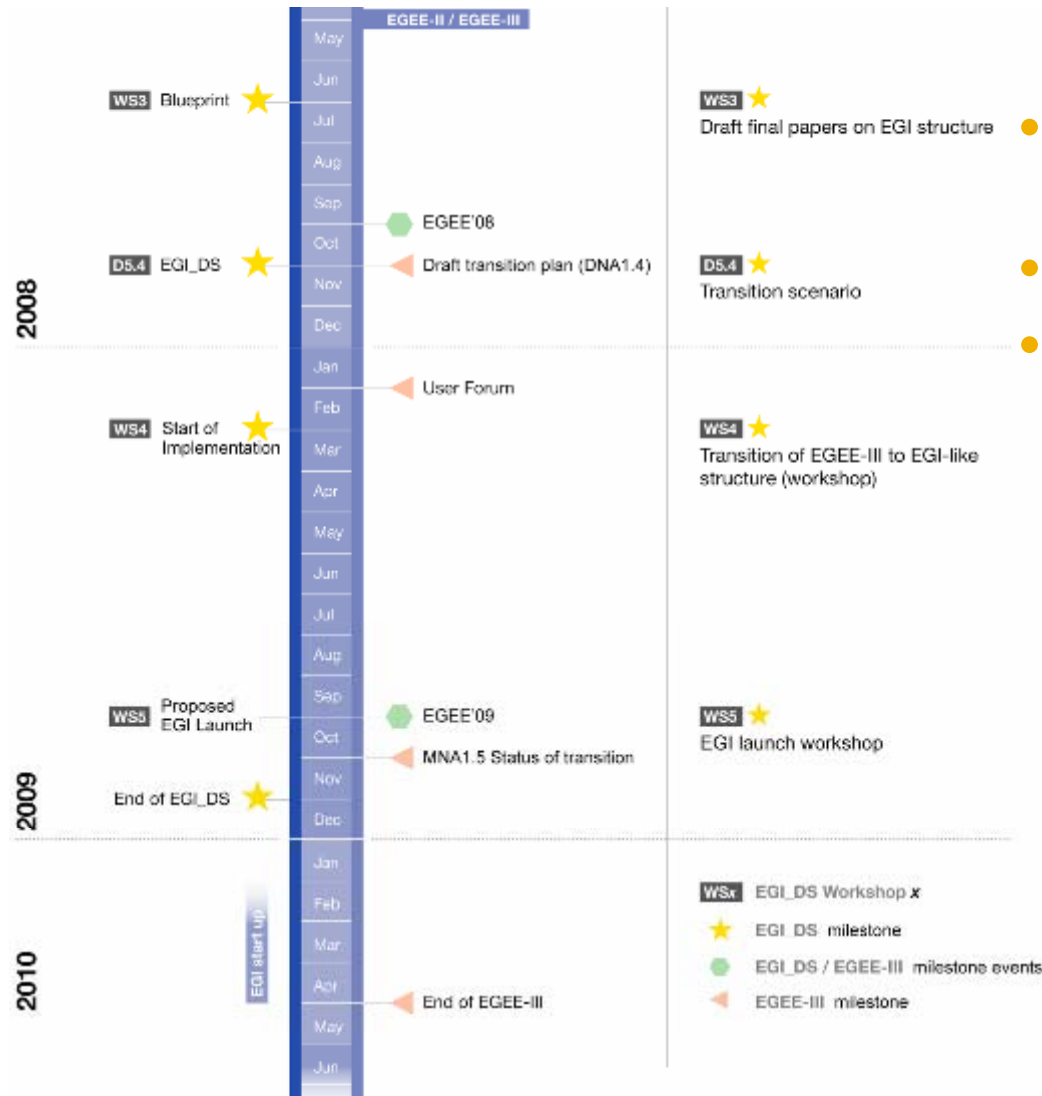
Collaborating projects that need MoUs

Enabling Grids for E-science

BalticGrid-II	Grid infrastructure for Baltic States
SEE-GRID-SCI	Grid infrastructure for South-East-European countries, with an emphasis of strategic environmental applications such as seismology and meteorology.
EELA-2	EELA-2 will strongly stimulate widespread Grid uptake by new cross-border user communities extending over several regions in Latin America and Caribbean.
EUFORIA	EUFORIA intends to use and build on EGEE-II infrastructure and experiences to provide grid technology for the ITER modelling activities in Europe supplementing the Fusion VO stellarator-centric activities
GENESI_DR	GENESI-DR will establish an open Earth Science Digital Repository access that will be the basis for Science users to seamlessly access and share all data, information, products and knowledge available from participating key centres.
BEinGRID	The BEinGRID consortium is composed of 75 partners who are running eighteen business experiments designed to implement and deploy Grid solutions in industrial key sectors.
ETICS-2	ETICS-2 aims at supporting the widespread adoption of grid technologies by promoting and expanding the use of grid-based software engineering technologies by existing and new communities.
GridTalk	GridTalk is an action to better coordinate reporting about European Grid projects and their scientific impact to the public, the broader scientific community and decision makers in government and industry.
OGF-EUROPE	The Project aims to shape EU & global priorities while emphasising the need for open standards and a level playing field for all participants within the region. It will increase the ability of industry and commerce to influence requirements for a more competitive ICT infrastructure towards i2010.
OMII-UK	OMII-UK aims to provide software and support to enable a sustained future for the UK e-Science community and its international collaborators.
EGI_DS	The EGI Design Study represents a project for the conceptual setup and operation of a new organizational model of a sustainable pan-European grid infrastructure.

- Need to prepare permanent, common **Grid infrastructure**
- Ensure the long-term sustainability of the European e-Infrastructure independent of short project funding cycles
- Coordinate the integration and interaction between National Grid Infrastructures (NGIs)
- Operate the production Grid infrastructure on a European level for a wide range of scientific disciplines





- EGI_DS will produce a blueprint by summer 2008
- To be discussed at EGEE'08
- Produce revised and updated programme of work based on changes required in year 2 of EGEE-III

Important events in EGEE-III

- **EGI_DS workshop to review EGI Blueprint, 30 June – 1 July 2008**
- **EGEE-II final review, 8-9 July 2008**
- **EGEE'08: Istanbul, Turkey, 22-26 September 2008**
- **Joint OGF/User Forum event, Feb/March 2009**
- **EGEE-III first review, May/June 2009**
- **EGEE'09: Sept/Oct'09 - bids to host the event will be welcome**
- **User Forum: Spring'10 - bids to host the event will be welcome**
- **EGEE-III final review, May/June 2010**