**Operations Management Board (OMB)**

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| **Meeting:** | Operations Management Board |
| **Date and Time:** | 26 March 2012 |
| **Venue:** | Face to face meeting, Munich, CF12 |
| **Agenda:** | https://www.egi.eu/indico/conferenceDisplay.py?confId=800 |

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# Participants

|  |  |  |  |
| --- | --- | --- | --- |
| Name and Surname | Abbr. | Organisation | Membership[[1]](#footnote-1) |
| Sefa Arslan |  | TUBITAK, NGI\_TR | Observer |
| Riccardo Brunetti |  | INFN/NGI\_IT | Deputy Member |
| John Casson |  | STFC | Observer, JRA1 |
| Hélène Cordier |  | NGI\_FRANCE | Member |
| Linda Cornwall |  | SVG, STFC | Invited Participant |
| Mario David |  | LIP, Ibergrid | Member, TSA1.3 |
| Helmut Dres |  | KIT | Observer, JRA1 |
| Zoltan Fargas |  | SZTAKI | Invited Participant |
| George Fergadis |  | AUTH | SA1.8 (EVO) |
| Tiziana Ferrari |  | EGI.eu | Chairman |
| Sven Gabriel |  | NIKHEF/NGI\_NL | Observer, SA1.2 |
| John Gordon |  | STFC, UKI | Member |
| Guenter Grein |  | KIT | Observer, JRA1 |
| Nikola Grkic |  | ROC Russia | Observer (EVO) |
| Vera Hansper |  | CSC/NDGF, NGI\_NDGF | Member, TSA1.8 |
| Emir Imamagic |  | SRCE, NGI\_HR | Member, TSA1.4 |
| Boro Jakimovski |  | NGI MARGI | Member |
| Christos Kanellopoulos |  | AUTH/GRNET | TSA1.8 Leader |
| Peter Kacsuk |  | SZTAKI | Invited Participant |
| Kostas Koumantaros |  | GRNET | Member |
| Daniel Kouril |  | CESNET | Observer |
| Malgorzata Krakowian |  | ACC CYFRONET, NGI\_PL | Member, TSA1.7 COD |
| Jonas Lindemann |  | SNIC, NGI\_SE | Deputy |
| Cyril L’Orphelin |  | CCIN2P3 | JRA1 |
| Mingchao Ma |  | STFC | TSA1.2 |
| Gilles Mathieu |  | IN2P3/NGI\_FRANCE | Deputy Member |
| Dimitri Nilsen |  | KIT/NGI\_DE | Member |
| Mats Nylen |  | SNIC, NGI\_SE | Member |
| Paul Padolny |  | NGI\_IL | Member |
| Erns Pijper |  | NGI\_NL | Observer, COD |
| Rob Quick |  | OSG Operations | Invited Participant |
| Miroslav Ruda |  | CESNET/NGI\_CZ | Member |
| Serge Salamanka |  | UIIP NASB, NGI\_BY | Member (EVO) |
| Ilya Severckenko |  | MAPPER Project | Invited Participant |
| Alex Stanciu |  | ICI, NGI\_RO | Member |
| Danika Stojljkovic |  | IPB/ROC Russia | Observer (EVO) |
| Peter Solagna |  | EGI.eu | Minutes |
| Onur Temizsoylu |  | TUBITAK, NGI\_TR | Deputy Member |
| Ulf Tigerstedt |  | CSC | TSA1.8 |
| Christos Triantafyllidis |  | AUTH | Observer, JRA1 |
| Ron Trompert |  | SARA, NGI\_NL | Member, TSA1.7 |
| Luuk Uljee |  | SARA NGI\_NL | Member, TSA1.7 |
| Alessandro Usai |  | SWITCH/NGI\_CH | Deputy Member |
| Paolo Veronesi |  | INFN, NGI\_IT | Member |
| Domenico Vicinanza |  | DANTE, UK | Invited Member |
| Anders Waananen |  | UCPH, Denmark | Member |
| Todd Wu |  | AP, ASGC | Member (EVO) |
| Eric Yen |  | AP, ASGC | Member |

Some participants were connected through EVO.

# ACTION REVIEWS

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|  | **Action Owner** | | **Content** | | | **Status** |
|  | | | | | | |
| **Actions from the 26 March 2012 OMB meeting** | | | | | | |
| **20.01** | T. Ferrari | | | To propose a process for MoU negotiation between VOs and NGIs/RCs | OPEN | |
| **20.02** | T. Ferrari | | | To organize a EMI/EGI seminar on new features released, deployment aspects and usage aspects from a user perspective | IN PROGRESS | |
| **20.03** | E. Imamagic | | | to assess the availability of storage occupation tests in Nagios | OPEN | |
| **20.04** | T. Ferrari | | | to constitute a task force addressing the problems faced by BIOMED in terms of allocation of a sufficient share of resources | OPEN | |
| **20.05** | T. Ferrari | | | to start the procedure for assessing the impact of GLOBUS/UNICORE probes on daily operations. | OPEN | |
| **Actions from the 28 February 2012 OMB meeting** | | | | | | |
| **19.01** | All NGIs | | | To send expression of interest in EMI training by 30 March 🡪 Expressions of interested collected. CLOSED | CLOSED | |
| **19.03** | T. Ferrari | | | To revise the termination clause in the RC OLA 🡪 CLOSED. Termination clause reviewed and finalized in v1.1 of the RC OLA | CLOSED | |
| **19.05** | T. Ferrari | | | To circulate a revised version of the RC OLA and RP OLA 🡪 CLOSED. V1.1 are approved. | CLOSED | |
| **19.06** | T. Ferrari | | | To report problems of MAUI version distributed with EMI 1 software that compromises MPI functionality. 🡪 The Maui version that is being distributed causes a well-known blocking problem for sites that support MPI. The sites who wants to support MPI has to replace maui, mauiserver and maui client 3.2.6 with version 3.3.4 (<https://ggus.eu/ws/ticket_info.php?ticket=77778>)  CLOSED. The correct MAUI version will be released in EMI 2. | CLOSED | |
| **Actions from the 24 January 2012 OMB meeting** | | | | | | |
| **18.04** | E. Imamagic | | | To assess deployment of NGI SAM failover configuration (<https://rt.egi.eu/rt/Ticket/Display.html?id=3457>) | OPEN | |
| **18.05** | E. Imamagic | | | To distribute documentation on how to trouble shoot the message broker network (<https://rt.egi.eu/rt/Ticket/Display.html?id=3459>) 🡪 IN PROGRESS. Waiting to see the status of the next May SAM update | IN PROGRESS | |
| **18.06** | K. Kanellopoulos | | | To provide an overview page with all catch all services provided (<https://rt.egi.eu/rt/Ticket/Display.html?id=3460>) 🡪 DONE. https://wiki.egi.eu/wiki/Catch\_All\_Grid\_Core\_Services | CLOSED | |
| **Actions from the 20 December OMB meeting** | | | | | | |
| **17.04** | T. Ferrari/P. Solagna | To contact NGIs who are in favour of changing their GOCDB configuration of critical services and implement changes during Jan/Feb and to support the other NGIs in computing their A/R statistics by extracting data from the SAM PI | | | IN PROGRESS | |
| **17.05** | T. Ferrari | To review the naming scheme of EGI profiles when POEM will be in production 🡪 this action will be completed after the first release of POEM | | | ON HOLD | |
| **17.07** | COD | To reassess the UNKNOWN test percentage in March 2012 🡪 The unknown percentage has been decreasing. The status will be reviewed in collaboration with COD in May. | | | IN PROGRESS | |
| **Actions from the 28 November OMB meeting** | | | | | | |
| **16.02** | M. Ma | To consult with technology providers and VOs with the aim of updating the EGEE notice about maximum proxy lifetime. | | | IN PROGRESS | |
| **Actions from the 21 June OMB meeting** | | | | | | |
| **12.09** | T. Ferrari | To assign wiki documents ready for revision to the respective reviewers 🡪 CLOSED. A new set of documentation activities (including reviewing of draft pages) was discussed in Munich at the CF12 | | | CLOSED | |
| **Actions from Oct 2010 OMB meeting** | | | | | | |
| **Action 3.** | TF | to update as necessary the procedure to retire middleware components (<https://edms.cern.ch/document/985325>). <https://rt.egi.eu/rt/Ticket/Display.html?id=347> | | | OPEN | |
| Note: Actions from previous meetings are closed. | | | | | | |

# Introduction

Tiziana Ferrari/EGI.eu (see slides).

H. Cordier announces the Grid Engine Scientific Sites (GESS) initiative, which aims at forming an interest group around sites deploying GE. NGIs and RCs are invited to join the initiative. A kickoff meeting will be co-located with the next HEPIX meeting.

# Policy for re-computation of monitoring results

A change in the current procedure for the re-computation of monitoring results and of the corresponding policy (defining in which cases sites and NGIs are allowed to request are re-computation) is proposed, following the request of the SAM team, who is technically responsible of recomputing monitoring results in case of problems. The procedure being discussed is the one to be followed for OPS tests used for EGI availability/reliability monthly statistics.

**DECISION. The OMB approves the change in the current policy for re-computation of monitoring results. Starting from the 01 May 2012 monitoring results can be recomputed only in the case of problems with the monitoring infrastructure itself. No re-computations will be performed in case of issues with the deployed middleware (e.g. in case of documented bugs affecting the availability of a production service end-point), which will be consequently reflected in lower availability/reliability**.

**DECISION. The OMB approves the following change in the procedure for requesting monitoring results re-computations:**

* **The deadline for requesting re-computations is 10 calendar days after the publication and announcement of the monthly Availability/Reliability reports for a given month X (typically the announcement will be distributed on the 1st day of month X+1).**
* **According to the re-computation requests received, A/R reports will be regenerated only once for each month, after the 10th of month X+1.**
* **How to request a re-computation of OPS results.**
  + **If the request is originated by a site:**
    1. **Open a GGUS ticket to your NGI**
    2. **NGI validates the request**
    3. **If the request is deemed valid, a GGUS ticket is sent to Service Level Management SU (SLM). The SLM support team will take care of discussing all requests received with the SAM team.**
  + **If the request is originated by a NGI**
    - **Go directly to step (3) above**.

The new policy and procedure will be documented in procedure PROC10 <https://wiki.egi.eu/wiki/PROC10>.

# Middleware support after 2013

T. Ferrari/P. Solagna

It is important that the problem of middleware support after the end of the EMI and IGE projects in May 2013 is addressed as soon as possible. A survey was distributed to Virtual Research Communities and NGIs to collect feedback on service usage and VRC/NGI priorities for continuation of support and maintenance. The outcome of the survey is presented (see slides and the summary document attached to the agenda). P. Solagna will revise the document taking into account late input provided.

The document will be presented to EMI and IGE at the April TCB meeting.

# OSG Interoperability

R. Quick/OSG

R. Quick presents the operations roadmap of OSG and the future sustainability of operations at OSG.

One of the main milestones in 2012 will be the replacement of the DE CA with DIGICERT (a commercial company approved by IGTF). A switch of both user and host certificates will be needed. The DOE CA will continue operations for 1 year after certificates have been switched to DIGICERT. The start date of this migration is expected in summer.

A OSG light-weight Information Service will be deployed, which is capable of interacting with BDII, using different LDAP services and using messaging to pull information.

The OSG ticketing system – hosted by FNAL – will be based on “Service Now” (SNOW).

An interesting aspect to investigate in the future is the interoperations with OIM and GOCDB (the service registry services deployed by OSG and EGI). These two services should stay separated, but should expose compatible interfaces. Publishing of information by GOCDB in GLUE2.0 format is being developed.

A second topic for discussion of interoperation is accounting, as several international VOs supported by OSG (e.g. ILC and WeNMR) request access to accounting information from different peer infrastructures. For OSG it is very important that information published into the central APEL DB of EGI can be validated. The solution to be devised needs to be driven by VO requirements.

Interoperations of GGUS and SAM are not a problem as OSG has a testbed infrastructure to test changes.

# BIOMED operations

H. Cordier on behalf of T. Glatard, F. Michel and J. Montagnat

There’s an increasing need from BIOMED in negotiating service levels with a set of core supporting RCs.

Action (T. Ferrari): to propose a process for MoU negotiation between VOs and NGIs/RCs.

Various other operational probes are presented, including the problem of an increasing of waiting time, probably due to a reduce amount of resources available to the VO.

M. David: policies for resource allocation depend on NGIs and sites. At LIP BIOMED is allocated a 5-10% share of the local resources. BIOMED is relying on the opportunistic usage model of Grid resources.

J. Gordon: UK allocates 10% share on particle physics resources. A MoU is a formal document, and as such may compromise the current opportunistic allocation of resources BIOMED relies on.

T. Ferrari: increasing queuing time is likely related also to a change in the submission pattern of BIOMED, who while keeping the overall CPU wall time usage approximately constant, has highly increased the job submission rate.

Another issue experienced by BIOMED is the synchronization between LFC and SEs (various RT requirements have been submitted for this: <https://rt.egi.eu/rt/Ticket/Display.html?id=910>, <https://rt.egi.eu/rt/Ticket/Display.html?id=2766>, <https://rt.egi.eu/rt/Ticket/Display.html?id=3230>. A test of storage space occupation is very desirable!

T. Ferrari: catalogue/storage synchronization is a feature that will be supported by LFC and DPM in EMI 2.

ACTION (T. Ferrari): to organize an EMI/EGI seminar on new features released, deployment aspects and usage aspects from a user perspective.

ACTION (E. Imamagic): to assess the availability of storage occupation tests in Nagios.

The HYDRA client will be necessary in WNs to support secure storage needed by BIOMED. T. Ferrari: currently no clients are part of UMD as they were not released in EMI (because of internal release problems of the corresponding PT). We need to monitor what is going to be released in EMI 2.

Action (T. Ferrari): to constitute a task force addressing the problems faced by BIOMED in terms of allocation of a sufficient share of resources.

# top-BDII: status and future actions

P. Solagna/EGI.eu

P. Solagna presents the status of top-BDIIs in terms of availability and reliability. A considerable number of NGIs is still featuring very poor availability. A new top-BDII version is now available in UMD which fixes memory issues and other instability problems: all NGIs are recommended to upgrade. In addition load balancing or client failover have to be adopted where not available yet.

# Multiscale Applications on European e-Infrastructures

I. Severckenko/LMU presents the MAPPER project and the requirements for a coupled usage of heterogeneous resources (HTC and HPC, GPGPUs). Two use cases are ready and have been piloted on PRACE and EGI resources in Poland and the Netherlands. 5 additional use cases are under development to support earth science, meteorology and seismology. The ongoing integration activities of the MAPPER software platform with EGI are presented and interested NGIs are solicited to participate to the works of the MAPPER integration task force.

# Desktop grids and EGI integration

P. Kacsuk/SZTAKI presents the architecture of a desktop grid, and how it can be seamlessly integrated with ARC/gLite/UNICORE-based infrastructures through bridges. A desktop grid can be used for opportunistic usage of resources (see for example the needs of BIOMED discussed earlier). The status of desktop grid integration is very advanced. SAM probes will be released with the May release of SAM. In addition the integration of destktop grid accounting with the EGI accounting infrastructure is being developed and is close to finalization.

# AOB

E. Imamagic/SRCE

Globus and UNICORE are fully integrated with SAM but currently none of the failures of GLOBUS/UNICORE services is notified to the operations portal. In order to proceed, it is proposed that all GLOBUS and UNICORE tests currently integrated into SAM become OPERATIONS tests, so that alarms can be displayed in the operations dashboard.

**DECISION. The OMB approves that all the current GLOBUS and UNICORE Nagios tests are switched to OPERATIONS**.

ACTION (E. Imamagic): to start the procedure for assessing the impact of GLOBUS/UNICORE probes on daily operations.

1. Member, Observer, in Attendance [↑](#footnote-ref-1)