**Operations Management Board (OMB)**

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| **Meeting:** | Operations Management Board |
| **Date and Time:** | 29 May 2012  |
| **Venue:** | Phone meeting - EVO |
| **Agenda:** | https://indico.egi.eu/indico/conferenceDisplay.py?confId=721 |

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# Participants

|  |  |  |  |
| --- | --- | --- | --- |
| Name and Surname | Abbr. | Organisation | Membership[[1]](#footnote-1) |
| Jan Astalos |  | UI SAV, NGI\_SK | Member |
| Goncalo Borges |  | LIP/NGI\_PL |  |
| Helene Cordier |  | IN2P3/NGI\_FRANCE | Member |
| Mario David  |  | LIP, Ibergrid | Member, TSA1.3 |
| Claire Devereux |  | STFC/NGI\_UK | Member |
| Michel Drescher |  | EGI.eu | SA2 |
| Feyza Eryol |  | Ulakbim/NGI\_TR | Member |
| Tiziana Ferrari  |  | EGI.eu | Chairman |
| Tristan Glatard |  | BIOMED | Invited participant |
| John Gordon |  | STFC, UKI | Member |
| Guenter Grein |  | KIT/NGI\_DE | SA1.4 |
| Nikola Grkic |  | ROC Russia | Observer (EVO) |
| Emir Imamagic |  | SRCE/NGI\_HR | Member |
| Kostas Koumantaros |  | GRNET/NGI Greece | Member |
| Malgorzata Krakowian |  | CYFRONET/NGI\_PL | Member |
| Mingchao Ma |  | STFC | TSA1.2 |
| Joao Pina |  | LIP/TSA1.3 | Invited Participant |
| Marcin Radecki |  | CYFRONET/NGI\_PL | Member |
| Di Qing |  | TRIUMF/ROC Canada | Member |
| Serge Salamanka |  | UIIP NASB, NGI\_BY | Member (EVO) |
| Peter Solagna |  | EGI.eu | Minutes |
| Onur Temizsoylu |  | Ulakbim/NGI\_TR | Member |
| Todd Wu |  | ASGC/Asia Pacific fed. | Member |
| Alessandro Usai |  | SWITCH/NGI\_CH | Member |

Some participants were connected through Phone Bridges.

# ACTION REVIEWS

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|  | **Action Owner** | **Content** | **Status** |
| **Actions from the 29 May 2012 OMB meeting** |
| **22.01** | T. Glatard | To updated the BIOMED VO ID card with minimum resource requirements (to avoid to be supported by too small users) | OPEN |
| **22.02** | NGIs | To express interest in UI/CREAM deployment through VMs, so that a virtual team can be created to discuss configuration, contextualization etc. | OPEN |
| **Actions from the 26 March 2012 OMB meeting** |
| **21.01** | T. Ferrari | To get in contact with partners interested in training and finalize logistics (date and hosting institution) 🡪 the plan is to hold training in co-location with the Technical Forum 2012. Co-funding is being investigated. CLOSED | CLOSED |
| **21.02** | P. Weber | To distribute information about dates and programme of the GridKa school to relevant mailing lists | CLOSED |
| **21.03** | NGIs | To provide feedback on which topics for sessions and workshops to be organized at the Technical Forum 2012. Please provide feedback at: <https://wiki.egi.eu/wiki/Operations/tf12> | CLOSED |
| **21.04** | NGIs | To provide feedback in case of problems with the phasing out of the old GGUS end-point gus.fzk.de 🡪 no comments received. CLOSED | CLOSED |
| **21.05** | T. Ferrari, COD | To review current usage of TEST in GOCDB and in general to formulate a recommendation on how testing should be performed (in terms of usage of GOCDB features) | OPEN |
| **21.06** | T. Ferrari | To review the current WCLG TEG operations requirements document and see if VO information in GOCDB is still a valid requirement | IN PROGRESS |
| **21.07** | M. David | To assess usage of UMD for NGIs supporting ARC and the needs 🡪 CLOSED. Meeting held on the 16th of May. https://indico.egi.eu/indico/conferenceDisplay.py?confId=1044 | CLOSED |
| **21.08** | NGIs  | To review the new software provisioning proposal by the 26th of May and to provide comments to the OMB list 🡪 no comments received. Action CLOSED | CLOSED |
| **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 🡪 first meeting on LFC/DPM synchronization | 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** | E. Imamagic | to start the procedure for assessing the impact of GLOBUS/UNICORE probes on daily operations. 🡪 waiting for new SAM release | IN PROGRESS |
| **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. 19/06: SAM update released to end of June. | IN PROGRESS |
| **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 🡪 now GOCDB supports virtual sites. A module for availability reporting of virtual sites is being implemented in the operations portal. | 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. 🡪 SA1 milestone for 2012 | IN PROGRESS |
| **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)

T. Ferrari presents various changes recently approved by the PMB that concern SA1. The main change affects the support activities that are currently distributed across task TSA1.7 (ticket routing, first level support, NGI support) and TSA2.5 (second level support, DMSU). The two tasks will be merged into a single support task (within TSA1.7 and coordinated by A. Krenek/CESNET). Effort allocated across partners will be also revised to reflect the ticket workload distribution within the DMSU and to provide 2nd level support for a set of products currently not supported in SA2. All these changes will be transparent to the users of EGI support services.

# Resource provisioning for Life Science VOs

T. Glatard/BIOMED presents a number of operational requirements of the Life Science VOs. Currently LS VOs rely on opportunistic usage of available resources. There is no core set of slides where LS resources are owned by the VOs, or which have resource allocation agreements with the LS VOs. It is a decision of Resource Centres according to the site policies or NGI policies to support LS VOs.

The BIOMED VO has recently experienced an increase in queuing time at sites, and a testing campaign was conducted to measure the average rate of jobs going into timeout after 10 minutes of queuing time, and to measure the failure rate. VOs rely on heterogeneous submission mechanisms: through WMS, through direct submission and pilot systems.

T. Ferrari: The BIOMED submission profile changed considerably during PY2. While the overall consumed CPU wall time is approximately constant in comparison to PY1, the job submission rate increased significantly. T. Glatard: within LS job submission activities are subject to peaks. These are not correlated between different VOs given their heterogeneity, and changes in the job submission patterns cannot be predicted or controlled. Queuing time is extracted by collecting statistics from gstat.

J. Gordon: Comparison with the job performance experienced by other VOs can be misleading. It depends if other VOs have an internal mechanism for throttling of the job submission rate.

T. Ferrari: in order to address the problem of long queuing times, a new feature released by WMS with EMI 1 could be tested by BIOMED: “Job replanning based on a fixed timeout. Jobs stuck at blocking queues oftentimes represent an annoying issue which has been never specifically targeted by the WMS. This new feature will allow to rematch/replan jobs after they sit in a given queue for too long. This feature is enabled setting the JDL variable EnableWmsFeedback to "true" For now, the queue removal timeout is centrally set in the WMS configuration. [WorkloadManager] ReplanGracePeriod = 1800; in the same place another parameter exists to specifiy the maximum allowed number of replans MaxReplansCount = 4; after this threshold is reached the job is aborted.” See documentation at:

<http://www.eu-emi.eu/kebnekaise-products/-/asset_publisher/4BKc/content/wms#Release_Notes>

Many CEs supporting BIOMED were observed without any running job. Some sanity check in the dynamic information provided to BDII should be conducted in order to assess the reliability of the data reported by gstat. A too small fair share could also explain the problem: depending on the local policy the BIOMED jobs may compete with other VOs for usage a fraction of the fair share, so the capability to turn into running mode depends dynamically on the workload of other VOs too. The submission engine of the VO should also consider dynamic status of CEs so that CEs that are overcrowded are avoided. Another issue to consider is efficiency of resource usage, as by increasing efficiency of the job, the data overhead is reduced.

T. Ferrari. According to the accounting portal the NGIs that are the main BIOMED supporters are (in decreasing order): FRANCE, UK, ITALY, IberGrid. Which policies are internally adopted to support BIOMED?

J. Gordon: in UK all non-LHC VOs can access 10% of the resources. The VOs compete among themselves for usage of this 10%. BIOMED is supported by most of the sites.

G. Borges: in IberGrid no written policies are available to support BIOMED. The existing policies only concern regional VOs. Sites decide autonomously if they wish to support a given VO.

The storage management issues are faced are the cleanup of storage elements – an operation needed when users leave the VO, and the availability of too few data space in a SE. If too few storage can be provided, better it is to avoid supporting BIOMED. T. Ferrari: these resource requirements should be part of the VO ID Card (ACTION, T. Glatard).

Croatia has a fair share policy, LHC and life science are both supported. By the end of the year the installed capacity will be incremented by 500 cores and 50TB of space, but these resources will be available on a fair share basis.

Poland: 90% of resources are allocated through compute grants. Polish biomed users should apply for a compute grant.

# EGI distribution of virtual images

M. Drescher/EGI.eu

Two are the products for which NGIs expressed interest in a VM deployment model: UI and CREAM.

More information is needed from NGIs to understand priorities: for which OS is the VM needed? Which kind of configuration tool needs to be supported? Configuration/deployment profiles need to be defined.

A Virtual Team can be identified focusing on the following tasks for CREAM and UI:

* Define provisioning scenario
* Define configuration baselines
* Define list of EA sites for VM based Staged Rollout

**Action (NGIs): to express interest in VM deployment of UI and CREAM so that a virtual team can be constituted**.

# VO Decommissioning procedure

P. Solagna/EGI.eu

The VO Decommissioning draft procedure is presented to gather comments from the OMB (see agenda).

The procedure will be also distributed to the UCB for comments. Comments from NGIs are solicited in the coming month.

J. Gordon: who can request the decommissioning of a VO?

Anybody can be entitled to request this (as VO managers may be no longer available). Wide consultation will be needed in this case to properly assess the status of the VO.

# Product priorities for UMD 2: proposal

M. David/LIP

Status of the EMI 2 release is presented. Due to the amount of products released in one go for at least two platforms (sl5 and sl6, and also Debian for ARC and UNICORE), some priorities need to be defined so that verification and staged rollout of priority components is ensured.

The table at <https://wiki.egi.eu/wiki/EMI2priorities> proposed a set of priorities, which were defined depending on

1. the amount of new features,

2. the critical bug fixes made available with a EMI 2 product and

3. the support calendar of the corresponding gLite 3.1 product.

The following policy is proposed:

* products that are flagged as HIGH priority (3), will be released BOTH for sl5 AND sl6
* the sl6 version will always undergo full verification
* in case of no staged rollout for one of the two platforms, the product will be released in UMD also for the missing platform. This will be documented in the release notes of UMD in case this happens. Any attempt will be made to find candidates so that staged rollout for both sl5 and sl6 is conducted.
* Regardless of the assigned priority, if at least one team is available to perform staged rollout of a product, the product will undergo the software provisioning process.

**DECISION. The OMB approves the proposed policy for staged rollout of EMI 2.**

For gLexec CERN was contacted to gather information about WLCG priorities.

MyProxy is a minor update with backward compatibility.

CAL is a library, used as internal dependency it is not clear if EAs will be needed.

No early adopters for EMIR are currently available.

EMI 1 software provisioning through staged rollout will continue as in the past. Note that major bug fixes will be released both with EMI 1 and EMI 2, while according to the EMI support policy, new features will be only introduced with EMI 2 updates.

**Staged Rollout of the sl6 version of a product will be conducted preferably in case of lack of resources for conducting both a sl5 and sl6 staged rollout of the product.**

The list of available early adopters is accessible at: https://www.egi.eu/earlyAdopters/teams.

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