**Operations Management Board (OMB)**

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| **Meeting:** | Operations Management Board |
| **Date and Time:** | 19 June 2012  |
| **Venue:** | Phone meeting - EVO |
| **Agenda:** | https://indico.egi.eu/indico/conferenceDisplay.py?confId=723 |

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# Participants

|  |  |  |  |
| --- | --- | --- | --- |
| Name and Surname | Abbr. | Organisation | Membership[[1]](#footnote-1) |
| Emrah Akkoyun |  | ULAKBIM/NGI\_TR | Deputy |
| Luis Alves |  | CSC/NGI\_FI | Deputy |
| Torsten Antoni |  | KIT/NGI\_DE | Deputy Member |
| Jan Astalos |  | UI SAV, NGI\_SK | Member |
| Riccardo Brunetti |  | INFN/NGI\_IT | Member |
| Stephen Burke |  | EGI.eu Information Officer | Member |
| Daniele Cesini |  | INFN | JRA1 AM |
| Chun-Cheng Chen |  | Asia Pacific region | Member |
| Jeremy Coles |  | NGI\_UK  | Deputy Member |
| Linda Cornwall |  | SVG Chairman | Invited Participant |
| Hélène Cordier |  | IN2P3/NGI\_FRANCE | Member |
| Mario David  |  | LIP, Ibergrid | Member, TSA1.3 |
| Feyza Eryol |  | Ulakbim/NGI\_TR | Member |
| Tiziana Ferrari  |  | EGI.eu | Chairman |
| Sven Gabriel |  | NIKHEF | EGI CSIRT |
| John Gordon |  | STFC, UKI | Member |
| Nikola Grkic |  | IPB/NGI\_RS | Deputy Member |
| Emir Imamagic |  | SRCE/NGI\_HR | Member |
| Kostas Koumantaros |  | GRNET/NGI Greece | Member |
| Dmitry Nilsen |  | KIT/NGI\_DE | Deputy Member |
| Mats Nylen |  | NGI\_SE | Member |
| Mats Nylen |  | NGI\_SE | Member |
| Lequeux Olivier |  | CNRS/Operations Portal PT | Invited Participant |
| Miroslav Ruda |  | CESNET/NGI\_CZ | Member |
| Renato Santana |  | CBPF/ ROC\_LA | Member |
| Peter Solagna |  | EGI.eu | Minutes |
| Ulf Tigerstedt |  | CSC/NGI\_FI | Member |
| Luuk Uljee |  | SARA/NGI\_NL | COD and Deputy Member |
| Paolo Veronesi |  | INFN/NGI\_IT | Member |
| John Walsh |  | TCD/NGI\_IE | Member |
| Alessandro Usai |  | SWITCH/NGI\_CH | Member |

Some participants were connected through Phone Bridges.

# ACTION REVIEWS

|  |  |  |  |
| --- | --- | --- | --- |
|  | **Action Owner** | **Content** | **Status** |
| **Actions from the 17 July 2012 OMB meeting** |
| **23.01** | EGI-InSPIRE NGIs and task leaders | Submission of QR9 report and metrics on metrics portal | OPEN |
| **23.02** | NGIs | To report experience about VOs running on EMI WN at the following wiki page: <https://wiki.egi.eu/wiki/NGI-VO_WN_tests>. In case of issues, a security support of gLite 3.2 WN needs to be requested. Feedback from NGIs is fundamental. DEADLINE 07 September. | OPEN |
| **23.03** | T. Ferrari | To request feedback from VO managers about experience with EMI WN. Feedback will be collected through GGUS 🡪 broadcast sent: <https://operations-portal.egi.eu/broadcast/archive/id/699> | CLOSED |
| **23.04** | NGIs  | To participate to the resource allocation policy survey to provide information about the national and/or site-specific policies adopted in the country. Deadline for submission is 07/09/2012 (<https://wiki.egi.eu/wiki/Operations/Resource_Allocation>) | OPEN |
| **23.05** | NGIs | to provide comments about the proposed accounting profile by 28 August 2012, so that these can be presented to EMI for implementation. NGIs comments must be provided to the OMB through the mailing list. See proposal at:<https://indico.egi.eu/indico/getFile.py/access?contribId=4&resId=0&materialId=slides&confId=723> | OPEN |
| **23.06** | NGIs  | To contact sites that are not publishing UserDNs to request the re-publishing in case of gaps during the past 12 months | OPEN |
| **23.07** | H. Cordier | to report information about the feasibility of the decommissioning of unsupported gLite 3.2 products by 01 Oct. | OPEN |
| **23.08** | M. Krakowian | to report information about the feasibility of the decommissioning of unsupported gLite 3.2 products by 01 Oct. | OPEN |
| **23.09** | T. Ferrari | To collect information about SLURM support in CREAM during PY3 of EMI | OPEN |
| **23.10** | NGIs | To inform sites that unsupported gLite 3.2 products have to be decommissioned by 30 Sep 2012. | OPEN |
| **Actions from the 19 June 2012 OMB meeting** |
| **22.01** | T. Ferrari | To clarify with GSTAT developers is site coordinates are extracted from GOCDB or BDII 🡪 <https://ggus.eu/ws/ticket_info.php?ticket=83179> 🡪 gstat coordinates are extracted from BDII. Action closed until an authoritative information for providing location information is defined. | CLOSED |
| **22.02** | K. Koumantaros | To discuss the current user data retention with the NGI international report Virtual Team | OPEN |
| **22.03** | J. Gordon | To discuss the current user data retention policy with the UCB 🡪 discussion at the August UCB | OPEN |
| **22.04** | NGIs | To discuss the current user data retention policy and a timeline for the erasing of historical user DN information with Resource Centres and propose a timeline for the removal of historical userDN information | OPEN |
| **22.05** | J. Gordon for the APEL team | To contact sites to republish for the last 12 months in case of problems with encryption of user DNs 🡪 through the GAP tool to be released soon, sites will be able to check gaps in publishing and will be able to trigger republishing without the involvement of the central APEL team | CLOSED |
| **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) 🡪 BIOMED VO ID Card updated with minimum storage requirements | CLOSED |
| **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. 🡪 Deadline: 17 July 🡪 no feedback received by that deadline. | CLOSED |
| **Actions from the 26 March 2012 OMB meeting** |
| **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) 🡪 COD Requested to provide a report for the July OMB 🡪 A COD assessment will be presented at the August OMB | 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 🡪 currently put on-hold | ON HOLD |
| **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. 🡪 VOMS training organized in July. | 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 🡪 BIOMED requested to test the WMS feature supporting job migration in case of high queuing time. | IN PROGRESS |
| **20.05** | E. Imamagic | to start the procedure for assessing the impact of GLOBUS/UNICORE probes on daily operations. 🡪 waiting for new SAM release 17 | 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. It will be reviewed after the release of SAM update 17, which should include the feature of a SAM central monitoring controlling NGI SAM Installations | 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. Will be discussed in the August UCB. | 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> 🡪 a policy for retirement was discussed at the SCG meeting in July. SPG is responsible of updating security policies accordingly. | CLOSED |
| Note: Actions from previous meetings are closed. |

# Introduction

Tiziana Ferrari/EGI.eu

* QR9 (May, June, July 2012): report and metrics submission deadline is 03 August (ACTION). Instructions are provided in the slides (**Action**)
* EMIR is a new service released in EMI 2 for service discovery. EGI-InSPIRE use cases of this service need to be defined, and will be a topic of discussion during the Information discovery workshop which will take place during EGI TF12. All NGIs are invited to join the workshop and to participate to a pilot testbed. M. David (IberGrid): PIC is participating to the testbed but a wider deployment is needed to understand the topology. T. Ferrari: examples of topologies for the implementation of a federation of registries are available on the EGI wiki (see link on slides).
* Testing of EMI WN (EMI 1 and 2): there is no sufficient information to date to assess the risk of a migration of applications currently running in production from gLite 3.2 to EMI 1 or EMI 2 WNs. As gLite 3.2 WN reaches end of life of 30 September 2012, it is essential that NGIs provide information about their current experience in particular of known problems. For VOs that are interested in running tests, it is proposed that the VO manager contacts the NGI hosting the respective VOMS server: this approach is proposed as many VOs have a privileged support relationship with the NGI or site hosting the VOMS. It is a responsibility of the NGI to organize testing activities and provide a testbed according to the VO needs. It is very important that problems are promptly communicated to the OMB by NGIs as in case of issues, a security support extension of glite 3.2 WN is needed.

**DECISION. The OMB approves the proposed approach.**

NGI\_GREECE reports no problems with the VOs currently running on EMI WN.

**ATION (NGIs):** to report experience with VOs running on EMI WN at the following wiki page: <https://wiki.egi.eu/wiki/NGI-VO_WN_tests>.

**ACTION (T. Ferrari): to request feedback from VO managers about experience with EMI WN. Feedback will be collected through GGUS**.

* Migration towards SHA-2 (see slides for details): IGTF requested to CAs the capability to support of SHA-2 certificates because of long-term concerns about the security of certificates encrypted through SHA-1. Action (D. Groep, P. Solagna): to circulate by the end of July a document which defines the need of a migration, the associated risks identified by EUgridPMA, and the EGI plan to prepare for this transition. This proposal will be discussed in the August OMB.

A. Usai: the SHA-2 timeline transition will be rediscussed at the September meeting of EUgridPMA, as moving to SHA-2 for all CAs is not realistic, so there is no agreement on the timelinet yet. Several CAs are not ready, E.g. Switzerland relies on a commercial CA which is not ready for SHA-2.

Solagna: certificates have a lifetime of 12 months, if SHA-1 were compromised the certificates should already be SHA-2, otherwise there will be the need for a mass-revocation (which would have a critical impact on production). T. Ferrari: the EGI actions will concentrate on the gathering of information about readiness of software released, on the validation of SHA-2 compliance during testing of software for the UMD release, and on the assessment – in collaboration of EGI-CSIRT – of the level of readiness of the production infrastructure, which if possible, will have to be continuously assessed. Operations tools will be included in the assessment.

* Currently different policies for resource allocation are adopted at a national and site level. Collecting information about all policies is necessary in order to have a EGI-wide capacity management process to support new international communities. All NGIs are requested to provide information about national and site-specific resource allocation policies and to provide feedback by 07/09/2012, so that results can be discussed at TF12 (action). See survey at: <https://wiki.egi.eu/wiki/Operations/Resource_Allocation>

K. Koumantaros: an automatic adaptation of batch system configuration to adjust to new user community demands would be desirable. T. Ferrari: currently only the BAZAR tool developed by NGI\_PL addresses (partially) this problem. The idea is valid and needs investigation.

* The EGI Strategy 2020 approved by the EGI Council and presented at the PY2 EGI-InSPIRE review requires NGI operations to be supported by the community (EC funding will not continue). NGI sustainability plans for operations services will be assessed through a survey that will be distributed by the end of July. All NGIs are requested to participate given the relevance of the topic on future plans.

# EGI accounting profile

J. Gordon/STFC

## Publishing of UserDNs

J. Gordon provided an update about the status and developments for republishing of missing UserDN information. Republishing for last year is now possible to provide User DN information (several sites intermittently lacked to provide UserDN information). This can be done through the GAP publisher, which is an option in the apel clinet (a configuration option), according to which it is possible to say start date/end date of republishing.

Several gaps in user DN publication may occur, for this reason a GANTT chart will be provided by the accounting portal to identify those gaps. These GANTT charts are currently not available but will be provided soon by the accounting portal.

P. Solagna: is more information available about sites that did not publish user DNs for some short period and restarted to publishing afterwards, but stopped again? J. Gordon: the GANT chart will help to identify such cases, and then the GAP publisher can be used.

P. Solagna: were other problems identified as cause of this, apart from bouncycastle failing to encrypt user DNs? J. Gordon: this seems to be a problem that significantly affected CESGA. In other cases user DN failed to encrypt sporadically.

J. Gordon presents the proposal for a EGI profile for compute and storage accounting, according to CAR (revised schema for compute accounting) and STAR (new schema for storage accounting). The aim of the profile is to define which optional fields must be proposed to be mandatory, and to define the semantics of the schema attributes. EMI will be requested to provide the EGI profile to be their default.

CAR is a revision of OGF UR v1 standard, taking into account operational experience (e.g. about local usage accounting).

LocalUserId; ProcessId; LocalGroup; JobName; Memory; Swap; TimeInstant and ProjectName: can be published (will be available in the central DB), but there will be no visualization unless requested.

Project Name: VO subgroups are used to distinguish users within a VO (e.g. to identify national users).

Status of jobs: available in the CAR profile, to understand percentage of resources used by failed jobs, please add this to the EGI profile.

STAR profile: an NGI can publish a daily record, one record per site per VO, or one for each disk server. Both approaches are possible, but in both cases EGI will just look at the aggregated information. Double counting must be avoided.

K. Koumantaros: more information for catch all VOs is needed for national users. We have multi-disciplinary catch all VOs, and the VO groups should be at least present in storage accounting. J. Gordon: as sensor will be needed in this case to work out records for users (Users/VO Group). Handling a finar granularity within the VO may be unfeasible. Storage record is a snapshot at a given time where the file system is owned by a given VO. A process is needed to navigate the whole tree to find finer granularity. The idea is possible, for dCache forexample may be easier as they're making DB queries. To be understood if it is possible to identify te VOMS groups when parsing the files.

K. Koumantaros: another request is to understand the percentage of usage of a resource by the different VOs. J. Gordon: comparison with a pledge provides the needed information. Gstat shows some information.

T.Ferrari: a possible evolution for accounting is to account also for failed jobs. This requires information about the status of the job (DONE, CANCELLED …). We should keep this information into the profile to ensure it is published and it is available for future visualization. Is this being considered? Some large VOs have a very high percentage of CPU time consumed by failed jobs and getting more information is useful (these are indeed jobs reported to be failed by the batch system).

J. Gordon: I will include the attribute in the profile.

**ACTION (NGIs): to provide comments about the proposed accounting profile by 28 August 2012, so that these can be presented to EMI for implementation. NGIs comments must be provided to the OMB through the mailing list**.

**ACTION (NGIs): to contact sites that are not publishing UserDNs to solicit re-publishing in case of gaps during the past 12 months**.

# gLite 3.1 and 3.2 retirement

L. Cornwall/STFC

There is a problem in general with deployment of unsupported software. Most of gLite 3.2 products are unsupported, while the entire gLite 3.1 stack is completely unsupported by now. No security fixes can be expected for these products if a critical vulnerability is found. The number of unsupported gLite 3.1/3.2 products is considerable as it is clear from the reports attached to the agenda.

Critically vulnerable services that are unsupported will have to be stopped. If not, the site will be suspended.

Information is provided about a recent reported vulnerability. Details about this are intentionally omitted in these minutes.

## gLite 3.1 retirement calendar and policy

IMPORTANT. As already decided at the February OMB meeting, **gLite 3.1 services MUST be retired by 30 Sep 2012 otherwise sites will be asked to stop their gLite 3.1 services. Sites that will be found to host such services after the deadline will be suspended**.

## gLite 3.2 retirement calendar and policy

The gLite 3.2 distribution is already partly out of support (see the gLite 3.2 support calendar at: <http://glite.cern.ch/support_calendar/>). gLite and EMI support calendars are linked at: <https://wiki.egi.eu/wiki/Middleware#Technology_Providers>.

EGI CSIRT recommends migration of **currently** unsupported gLite 3.2 products by the 1st of October.

An OMB discussion follows about the proposed retirement calendar.

T. Ferrari: EMI 1 end of security support is already approaching (April 2013), and only EMI 2 provides sl6 support, which was requested by NGIs for various products (more importantly, for UI and WN). UMD 2.0 to date does not include all high priority products, this time lag should be considered. EMI 2 WN and CREAM (allowing sl6 support) will be released in UMD 2.1 at the beginning of August.

D. Cesini: an extension of gLite 3.2 UI support is requested by the SAM Product Team. T. Ferrari: the extension will be requested.

NGI\_HR: the proposed calendar is a problem because of hardware procurement cycles. No resources to replaces existing services will be available at that time. The gLite 3.1 services will have to be stopped until the new hardware is available.

NGI\_NL: the glite 3.1 plan is ok, but the gLite 3.2 retirement plan is more difficult. SL6 support n UMD for some of the services to be replaced is needed. The gLite 3.2 plan for DPM is an issue. T. Ferrari: DPM is still supported until the end of October, so it is not concerned by the plan under discussion.

NGI\_IT: the calendars are ok for both glite 3.1 and 3.2

NGI\_FR: replacement of gLite 3.1 products requires changes in the quattor templates. 🡪 **Action (H. Cordier) to report information about the feasibility of the decommissioning of unsupported gLite 3.2 products by 01 Oct**.

NGI\_DE: many sites still are currently still based on glite 3.2. The migration is anyway already planned next month, Oct 01 could be ok but there’s a lot of work to do.

NGI\_PL: no information is available to estimate the impact of the proposed plan . (**Action**)

NGI\_UK:: half of the services have migrated, we will assess soon the plans for the migration.

Ibergrid: is engaging with sites to migrate services according to the proposed plan.

Estonia: ok for migration already in progress, glite 3.1 services as well will be followed

NGI\_TR: glite 3.2 is still in production in the biggest site. Upgrade to sl6 EMI 2, but migration by end of Sep is not possible for DPM. SLURM is needed.

Latin America: glite 3.2 is still deployed and more time is needed to move forward.

M. David: many services in EMI 2 support upgrade from EMI 1, and this upgrade path was tested for various products in staged rollout. Upgrade of the OS is a plus for EMI 2.

**DECISION. The OMB approves the decommissioning of gLite 3.2 unsupported products by 30 Sep 2012**.

# GLUE 2.0 Migration Plan

S. Burke/STFC provides an overview of motivation, and of changes and benefits introduced with GLUE 2.0 (see slides). Information in GLUE 1 and 2 format coexist in BDII.

The generic publisher was upgraded to GLUE 2, it’s backward compatible, and it is extended to support new attributes. This covers the majority of the services (FTS and LFC have an own dedicated information provider). FTS and LFC have both upgraded their own providers.

CREAM is a much bigger project. gLite-CLUSTER is a yaim configuration node to make publishing easier in GLUE 1 when multiple CEs submit to the same cluster. For GLUE 2 this becomes more significant. The glite-CLUSTER node needs to be used to publish the bulk of information, and the end-point publishes information that is only relevant to it.

Storage is complex due to the multiple implementations in production. There are no plans of GLUE 2 support for CASTOR and BeStMan. Standalone gridftp is not covered at the moment as well, discussion are ongoing with GLOBUS.

The final EGI profile will be presented at the August OMB and finalized at TF12.

**1/3 of the production sites are not publishing GLUE 2**. The reason for this is a gLite 3.1 site-BDII or an old gLite 3.2 site-BDII. The decommissioning plan of these services is October 01.

CERN services are missing, the site was already ticketed, but no response was received so far.

Various clients are or will be soon GLUE 2 capable: WMS (next EMI 2 update), GFAL and lcg-utils (EMI 2, to be tested), lcg-info(sites) and glite-sd-query. The support of lcg-info in the future needs to be investigated.

Also monitoring tools have to GLUE 2 capable. There’s a plan for Gstat migration to GLUE 2 (currently the timeline is September). Other user tools will be impacted if consuming GLUE 1. EMI 2 deployment is necessary for complete compute and storage GLUE 2 coverage.

The objective is to make GLUE 2 the default. The timeline (2013?) is still to be assessed. It will be affected by the glite 3.1 and 3.2 retirment.

# Impact of middlware support plans on operations

T. Ferrari/EGi.eu

A draft document will be presented at the August OMB.

# Operations Portal: Availability testing and reporting of NGI monthly A/R statistics. Preview

Olivier Lequeux/CNRS presents various new features introduced by the latest Operations Portal release that greatly simplify the control of Availability/Reliability figures of Resource Centres and of NGI core services (currently top-BDII). A new Availability module with visualization graphs also plotting historical information in now in production. All NGIs are requested to report feedback and to promote this tool among the sites.

Availability information in both cases is extracted from SAM PI, which is an authoritative source of Availability/Reliability data.

# VO decommissioning procedure

P. Solagna/EGI.eu presents the policy for requesting the decommissioning of a VO.

**DECISION. The OMB approves the VO decommissioning policy and procedure**.

The procedure will be circulated to the User Community Board and to security boards for comments before final approval.

# AOB

E. Imamagic updates the OMB about the current status of SAM Update 17 Staged Rollout (see slides)

Next meeting: 28 August, 10:00 CET (via evo).

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