**Operations Management Board (OMB)**

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| **Meeting:** | Operations Management Board |
| **Date and Time:** | 25 October 2011  |
| **Venue:** | Lyon, EGI Technical Forum |
| **Agenda:** | https://www.egi.eu/indico/conferenceDisplay.py?confId=615 |

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# Participants

|  |  |  |  |
| --- | --- | --- | --- |
| Name and Surname | Abbr. | Organisation | Membership[[1]](#footnote-1) |
| Andres Aeschlimann  |  | Switch, NGI\_CH | member |
| Emrah Akkoyun |  | TUBITAK, NGI\_TR | Deputy Member |
| Jan Astalos |  | UI SAV, NGI\_SK | Member |
| Maite Barroso |  | CERN | Member |
| Mario David  |  | LIP, Ibergrid | Member, TSA1.3 |
| Claire Devereux |  | STFC, UKI | Member |
| Feyza Eryol |  | TUBITAK, NGI\_TR | Member |
| Tiziana Ferrari  |  | EGI.eu | Chairman |
| Luciano Gaido  |  | INFN, IGI | Member |
| John Gordon |  | STFC, UKI | Member |
| Vera Hansper  |  | CSC/NDGF, NGI\_NDGF | Member, TSA1.8 |
| Emir Imamagic |  | SRCE, NGI\_HR | Member, TSA1.4 |
| Christos Kanellopoulos |  | AUTH/GRNET | TSA1.8 Leadern |
| Alexander Kryukov |  | E-ARENA, ROC Russia | Member |
| Kostas Koumantaros  |  | GRNET | Member |
| Malgorzata Krakowian |  | ACC CYFRONET, NGI\_PL | Member, TSA1.7 COD |
| Simon Leinen |  | SWITCH, NGI\_CH | Member |
| Mingchao Ma |  | STFC | TSA1.2 |
| Mats Nylen |  | NGI\_SE | Member |
| Marcin Radecki |  | CYFRONET, NGI\_PL | Member, TSA1.7 |
| Mario Reale |  | GARR, NGI\_IT | TSA1.7, network support |
| Peter Solagna |  | EGI.eu | Minutes |
| Alex Stanciu |  | ICI, NGI\_RO | Member |
| Onur Temizsoylu |  | TUBITAK, NGI\_TR | Deputy Member |
| Ulf Tigerstedt |  | CSC | TSA1.8 |
| Paolo Veronesi |  | INFN, NGI\_IT | Member |
| Pierre Veyre |  | IN2P3/NGI\_FRANCE | Invited Participant |
| John Walsh |  | TCD | Member |
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|  |  |  |  |

Additional participants were connected through skype and phone bridges.

# ACTION REVIEWS

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| --- | --- | --- | --- |
|  | **Action Owner** | **Content** | **Status** |
| **Actions from the 28 November OMB meeting** |
| **16.01** | All NGIs | to check the list of sites using the CERN BDII. If usage of the CERN BDII is NOT supported by the NGI, NGIs are requested to contact their site administrators to fix it. | OPEN |
| **16.02** | M. Ma | to consult with technology providers and VOs with the aim of updating the EGEE notice about maximum proxy lifetime. | OPEN |
| **16.03** | V. Hansper | To open a GGUS ticket to request SAM to decommission the ARC RLS metric | OPEN |
| **16.04** | All NGIs | To discuss with ROD team the switching of new metrics to OPERATIONS (org.nagios.BDII-Check, org.sam.CREMCE-DirectJobSubmit, hr.srce.LB-CertLifetime, hr.srce.MyProxy-Store, org.nagios.GridFTP-Check, org.sam.WMS-JobSubmit). In case of problems, feedback must be returned by the 19th of Dec to the OMB. | OPEN |
| **16.05** | T. Ferrari | To contact the Operations Portal PT to discuss the time needed to include new metrics in the list of existing OPERATIONAL metrics. 🡪 Mail sent o nthe 7th of Dec | IN PROGRESS |
| **16.06** | J. Walsh | To submit a RT requirement of change of the MPI probe  | OPEN |
| **16.07** | All NGIs | To submit new middleware requirements for ARC/gLite/GLOBUS/UNICORE by January 15 2012. All NGIs are requested to contact their site administrators to involve them in this process | OPEN |
| **16.08** | All NGIs | To invite their site administrators to participate to the EMI Survey on SLURM support in CREAM (<http://www.zoomerang.com/Survey/WEB22DWEANYTKU>). Deadline of the survey is on the 14th of December | OPEN |
| **16.09** | All NGIs | To send comments to the OMB mailing list by Friday 16 December about the proposed changes in GOCDB for the registration of NGI services, in order to produce NGI Availability/Reliability statistics. Depending on the feedback received, the proposal will be accepted/rejected at the OMB meeting in December | OPEN |
| **Actions from the 25 October OMB meeting** |
| **15.02** | P. Solagna | To collect information from NGIs about usage of CERN top-BDII and pass it to CERN 🡪 mail sent by P. Solagna to collect information from NGIs 🡪 CLOSED. New xls complete file with list of using CERN BDII as primary of secondary attached to https://www.egi.eu/indico/conferenceDisplay.py?confId=616 | CLOSED |
| **15.03** | NGIs | To evaluate the proposal for the configuration of all NGI services under a NGI-specific GOCDB site for an easy generation of A/R statistics. 🡪 CLOSED. Proposal formulated for evaluation at the Nov OMB. | CLOSED |
| **15.04** | T. Ferrari, M. David | To monitor progress of CREAM SR once released by EMI, and to propose an early release of UMD in December if SR succeeds. 🡪 CLOSED. CREAM with SGE support entered SR (<https://rt.egi.eu/guest/Ticket/Display.html?id=3212>), if everything goes well will be included in UMD 1.4.0 (see agenda of the Nov OMB) | CLOSED |
| **15.05** | T. Ferrari | To check if site certification time is considered when computing A/R statistics 🡪 Certification status is not considered. The requirement of having certification time considered in the algorithm is being discussed at: <https://ggus.eu/ws/ticket_info.php?ticket=76353> | CLOSED |
| **Actions from the 19 September OMB meeting** |
| **14.03** | M. Ma | To assess the current communication channels EGI 🡨🡪 OSG in case of incidents and critical vulnerabilities involving both parties. 🡪 A workflow is needed to share security tickets and discussion is needed to find a ticketing system that satisfy EGI CSIRT and OSG requirements. | IN PROGRESS |
| **14.04** | D. Cesini/JRA1 | To assess the impact of caching in top-BDII on operational tools and produce a written report. 🡪 material being collected in preparation to the 01 December workshop 🡪 CLOSED. This was discussed during the workshop and a cached information in top-BDII was not reported to be a problem for the operational tools. | CLOSED |
| **14.05** | T. Ferrari | To analyze the current set of tests used for top-BDII availability computation and to discuss with top-BDII experts how to extend such set 🡪 CLOSED. Requirement of Nagios probe submitted at <https://rt.egi.eu/guest/Ticket/Display.html?id=3226> | CLOSED |
| **Actions from the 26 July OMB meeting** |
| **13.11** | COD | To discuss with the operations portal team a new automatic escalation case (5 days after the operations manager is notified) 🡪 following progress in ticket https://ggus.eu/ws/ticket\_info.php?ticket=76260 | IN PROGRESS |
| **Actions from the 21 June OMB meeting** |
| **12.09** | T. Ferrari | To assign wiki documents ready for revision to the respective reviewers | OPEN |
| **Actions from 17 May OMB meeting** |
| **11.05** | Operations Managers  | DECISION. * All sites that became CANDIDATE during 2010 must complete their certification process or be switched to CLOSED
* All sites that became UNCERTIFIED during 2010 or earlier and are NOT part of a local infrastructure (not integrated into EGI), need to finish their certification or to be CLOSED
* All sites that became SUSPENDED during 2010 must be re-certified or CLOSED.

DEADLINE: June 17 2011IN PROGRESS. Action approved at the Nov OMB to clear the list of SUSPENDED and CANDIDATE sites. Sites that are regional should be declared as such in GOCDB now that the scoping function is supported in GOCDB. | 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

* EGI Community Forum 2012, Call for Participation is open, see the operations track (Deadline 02 Dec 2011)
* Service Operations Security Policy (attached to the agenda) is finalized: the policy is in final comment stage, so please read it for a final review
* Deliverable D4.3 EGI Operations Architecture: Grid Service Management Best Practices. This deliverable is in external comment stage (no comments received from the OMB during the internal review). The deliverable describes the operations service asset (it concerns NGIs as well as EGI.eu), so NGI operations managers are invited to see the proposed service categorization and send comments. J. Gordon: the deliverable should clarify that the document only represents the current list of services in the catalogue (it is not a live representation of it). T. Ferrari: recommendation accepted. The deliverable will be updated in 12 month time.
* Coordination of EGI infrastructure integration will be handed starting in PM19 from KTH (G. Svensson) to SRCE (E. Imamagic). Thanks to Gert and Emir for their past and future contributions to the project.
* CERN top-BDII usage information. A complete list of sites that are currently configured to use the cern BDII as primary or secondary instance, is attached to the agenda. The list was extracted by checking the output of the Nagios WN probe “org.sam.WN-ReplSenv”. **ACTION (all NGIs): to check the list. If usage of the CERN BDII is NOT a supported configuration by the NGI, NGIs are requested to contact their site administrators to fix it**. The list of sites will be communicated to CERN for analysis.
* Update about TCB meeting, 23/11/2011 (see slides). After EMI 2.0, EMI plans to progressively distribute products through the Fedora EPEL repository as soon as the product teams are ready for this. There is no plan at the moment saying which products will be distributed through EPEL and when. This means that after EMI 2.0, EMI releases will include progressively a lesser number of products. Various security requirements have been opened by EGI operations to EMI. Among them, the following requirement was submitted: all services need to check the proxy lifetime and cannot accept arbitrarily old proxies. M.Ma: The EGEE notice released in 2007 recommends the acceptance of a maximum lifetime of 24 hours: “In June 2006, during the JSPG meeting, it was agreed to limit the proxy lifetime to 24 hours for all VOs, both at the authentication and at the authorization level”[[2]](#footnote-2). Various security requirements have been opened by EGI operations to EMI. Among them, the following requirement was submitted: all services need to check the proxy lifetime and cannot accept arbitrarily old proxies. The technology providers will be consulted, asked to provide info about middleware capability to handle proxy renewal (impact on applications lasting more than 24h is avoided by renewing the proxy). VOs will be asked to provide info about the current practices regarding the maximum proxy lifetime allowed. Once we will have this information we will be able to review the EGEE notice, within SPG and CSIRT. A new policy or CSIRT operational notice will be released accordingly. **Action (M. Ma): to consult with technology providers and VOs with the aim of updating the EGEE notice about maximum proxy lifetime**.

# Evolution of EGI profiles for A/R computation

T. Ferrari/EGI.eu presents the current status of the profile used for A/R computation in EGI and the foreseen changes. The list of profiles and their content is available on the EGI wiki: <https://wiki.egi.eu/wiki/SAM#Profiles>. The current profile used for the computation of Resource Centre A/R monthly statistics is the same used for WLCG OPS availability statistics (see [WLCG\_CREAM\_LCGCE\_CRITICAL](http://grid-monitoring.cern.ch/myegi/sam-pi/metrics_in_profiles?vo_name=ops&profile_name=WLCG_CREAM_LCGCE_CRITICAL)). In the future the two profiles will be split, and the EGI A/R profile will change to [ROC\_CRITICAL](http://grid-monitoring.cern.ch/myegi/sam-pi/metrics_in_profiles?vo_name=ops&profile_name=ROC_CRITICAL). ROC\_CRITICAL has already been extended to include the BDII freshness test (whose impact will be assessed in the A/R statistics for November and December) – as requested in the October OMB.

# Review of new SAM metrics

T. Ferrari/EGI.eu

Many new metrics have been introduced with SAM update 7 and update 11. The list of the new metrics is attached to the agenda. Of these new metrics, only the ARC related ones are already “OPERATIONAL” (i.e. raising alarms in the operations dashboard in case of failure). All the other metrics are analyzed and discussed during the meeting.

V. Hansper: the RLS metric can be deprecated (it is currently switched off). **ACTION (V. Hansper): to open a ticket to SAM requesting that the ARC RLS metric is decommissioned**.

**PROPOSAL. New metrics introduced with SAM Update 7 and SAM Update 11 are proposed to be change to OPERATIONAL. ACTION. All NGIs are requested to discuss this proposal with the local ROD teams and to provide feedback by Dec 19. If the proposal is approved, the new metrics will become OPERATIONAL starting as of Jan 2012**. **The list includes the following metrics:**

* **(BDII) org.nagios.BDII-Check**
* **(CREAM) org.sam.CREAMCE-DirectJobSubmit**
* **(LB) hr.srce.LB-CertLifetime**
* **(MYPROXY) hr.srce.MyProxy-Store**
* **(WMS) org.nagios.GridFTP-Check, org.sam.WMS-JobSubmit**

H. Cordier: what is the difference between the EGI and WLCG operations profile for A/R computation? T. Ferrari: currently the same profile is used. If the introduction of the BDII freshness metric is approved, this metric will be the only different between the EGI and WLCG profile. However, it is likely that WLCG will decide to drop lcg-CE metrics any time soon. EGI will keep log-CE until end of security support. (Note: the list of metrics used for A/R Computation is a subset of the OPERATIONS metrics used for NGI monitoring in the operations dashboard).

J. Walsh: Some people have requested that the MPI SAM test should test more than the basic two core setup. The number of nodes tested could be increased to 8 for example to detect better reliability or problems with node allocation policies. E. Imamagic: the MPI probe is maintained by developers, so a requirement has to be submitted to EMI. **ACTION (J. Walsh): to submit a requirement of change of the MPI probe in RT.** This requirement will be discussed on the OTAG list, and if approved, will be submitted to the technology providers.

Instructions on how to submit a requirement of change to a SAM probe are available on wiki[[3]](#footnote-3).

# Update on SAM-related topics

E. Imamagic/SRCE gives an update about various SAM related topics.

* Status of handover of Nagios probe development to EMI: the actual handover started in August. The SAM team will maintain the WN probe framework (the small Nagios which is packaged and running on WNs). On the other hand EMI will maintain the individual WN probes. This work will start after the POEM integration. Currently when you install a Nagios instances a glite-UI has to be installed. This setup will disappear in the future: the probe packages will be distributed as a new node type, and will have all the dependencies needed defined. This addresses a requirement from NGIs supporting ARC.
* The SAM PT will not support NRPE for the time being. This means that SAM will use public service interfaces for testing. EMI can provide NRPE-based probes that can be integrated by site administrators into their local Nagios fabric monitoring if needed. **DECISION. The OMB approves the proposal**.
* Status and plans for central monitoring. Monitoring of operational tools (EGI.eu instances as well as NGI instances) has to be implemented in the same way SAM is currently monitored (central monitoring of SAM instances). This requires changes in ATP/NCG/Repository. This will allow the central MyEGI instance to visualize results and A/R statistics for the tools (a new availability profile will be needed though for this). Tool probes are maintained by EGI-InSPIRE JRA1. The central APEL repository currently has no probes, and the Operations Portal currently has just a basic http check, so more probes are needed (for example to check the DB backend and the internal components of the operations portal). Other tools have probes already in place. The JRA1 deadline for these probes is the end of 2011. These will be integrated in SAM Update 16 (Jan or Feb 2012).

# Requirements call: EMI 3.0 and Batch system support in CREAM (SLURM)

P. Solagna/EGI.eu provides information about the process to collect and process requirements. This process has been improved to clarify the interaction with technology providers when a requirement (approved by the OMB or UCB) is discussed at the TCB. The revised process (see link in slides) does not concern who submits the requirement in RT – so nothing has changed for NGIs and site managers who open RT requirements[[4]](#footnote-4).

**(ACTION on all NGIs) To gather middleware requirements, call will close on Jan 15 2012**

The submitted requirements will be evaluated at the OMB in January. This timing is proposed to match the schedule for the definition of the EMI 3.0 technical plan, which closes in April 2012.

IMPORTANT: the call for requirements concerns all deployed middleware stacks that are supported in EGI (ARC, gLite, GLOBUS and UNICORED).

# UMD release 1.4.0 in December

P. Solagna on behalf of M. David

**DECISION. The OMB requests an early release of UMD 1.4.0 on the 19th of December to include the following list of components: APEL publisher 3.2.8 (Update 10), CREAM-SGE 1.0.0 (Update 11), GFAL/lcg\_util 1.11.19 (Update 11), StoRM 1.8.0, Globus packages aligned with versions provided in EPEL. Additional candidates are MPI 1.1.0, CREAM 1.13.3, UNICORE UVOS (currently in staged rollout or verification)**.

L. Gaido: WMS EMI internal certification is going well, WMS is expected to be released by EMI on Dec 15. Some NGIs and user communities need this product, so a release in UMD is urgent.

Because code to be released in UMD requires a code freeze 1 week before the release date of UMD, this would imply a delay in the release date of UMD 1.4.0. The OMB decides to keep the current UMD 1.4.0 release day on the 19th of Dec. WMS will be released with UMD 1.5.0 on the 30th of January[[5]](#footnote-5).

ACTION (All NGIs). All NGIs are requested to invite their site administrators to participate to the EMI Survey on SLURM support in CREAM – one reply per site (<http://www.zoomerang.com/Survey/WEB22DWEANYTKU>). Deadline of the survey is on the 14th of December.

# FOR APPROVAL. Plan for clearing the list of suspended and candidate Resource Centres

T. Ferrari/EGI.eu

**DECISION. The OMB approves the following plan for clearing the list of GOCDB sites that entered SUSPENDED or CANDIDATE status before 01 June 2011 (\*).**

* **All NGIs that wish to complete the certification/re-certification procedure for sites that meet condition (\*), must send a GGUS ticket to COD (GGUS COD Support Unit) by 31 December 2011. NGIs will have to proceed with the certification/re-certification of those sites as soon as possible (following** [**https://wiki.egi.eu/wiki/PROC09**](https://wiki.egi.eu/wiki/PROC09)**). The list of SUSPENDED and CANDIDATE sites is available at** [**https://wiki.egi.eu/wiki/Performance**](https://wiki.egi.eu/wiki/Performance)**.**
* **Starting in January 2012, all SUSPENDED/CANDIDATE sites that meet condition (\*) and for which no request ticket was sent to COD, will be closed by COD**.

# Proposal for generation of NGI A/R monthly reports

T. Ferrari/EGI.eu

Currently the operational tools do not provide the features needed to compute NGI Availability and Reliability statistics. EGI-InSPIRE JRA1 has plans of development that meet this requirement, but the whole set of needed features won’t be available before (approximately) mid 2012. For this reason, an interim solution is proposed which requires a change in how NGI services are registered in GOCDB. By doing so, no development is needed to produce Availability/Reliability monthly statistics.

A service qualifies as “NGI service” if it is part of the offering of the NGI to its sites and/or its supported VOs (e.g. top-BDII, VOMS, central LFC, WMS/LB, NGI SAM etc.). Services that do not qualify as “NGI services” (and as such are not concerned to this proposal) are those that are provided by sites without any agreement with the respective NGI, to meet local site needs/activities.

The proposal consists in registering in a single “NGI site” all NGI service end-points (DNS alias or physical instances depending on the needs of the NGI). Small NGIs whose NGI services are already part of a single site (i.e. are not distributed across multiple GOCDB sites) can choose that site as “NGI site” (in which case no change in GOCDB is needed, but this approach has some implications on the A/R results). For all details about the proposal see the slides.

**ACTION (All NGIs). To send comments to the OMB mailing list by Friday 16 December if they are against the proposal. Depending on the feedback received, the proposal will be accepted/rejected at the OMB meeting in December**.

# IPv6 survey output and next steps

M. Reale/GARR presents the output of the IPv6 survey. 14 NGIs expressed interest in contributing resources to an IPv6 EGI testbed. EGI testbed activities will be complementary to those carried out by HEPIX, and will be coordinated with EMI and IGE (see slides for detailed). Discussions are in progress with the technology providers and HEPIX to define:

* The software components (middleware, tools etc.) whose IPv6 compliance is considered to be at higher priority
* The NGIs who will actually contribute to the testbed
* The relationship/complementary activities among EGI, EMI/IGE and HEPIX.

NEXT OMB Meeting: 20 December 2011.

1. Member, Observer, in Attendance [↑](#footnote-ref-1)
2. https://wiki.egi.eu/wiki/EGI\_CSIRT:Op-notices/proxy-lifetime-02-11-2007 [↑](#footnote-ref-2)
3. <https://wiki.egi.eu/wiki/Nagios-requirements.html> [↑](#footnote-ref-3)
4. See instructions at https://wiki.egi.eu/wiki/Middleware#How\_to\_submit\_requirements [↑](#footnote-ref-4)
5. https://wiki.egi.eu/wiki/UMD\_Release\_Schedule [↑](#footnote-ref-5)