

OMB:Italy-QR11

Main	Get Support	Documentation	Tools	Activities	Performance	Middleware	Catch-all Services	Security
-------------	--------------------	----------------------	--------------	-------------------	--------------------	-------------------	---------------------------	-----------------

Inspire reports menu:	Home •	SA1 weekly Reports •	SA1 Task QR Reports •	NGI QR Reports •	NGI QR User support Reports
------------------------------	--------	----------------------	-----------------------	------------------	-----------------------------

Quarterly Report Number	NGI Name	Partner Name	Author
QR11	NGI_IT	Italy	Paolo Veronesi

1. MEETINGS AND DISSEMINATION

Note: Complete the tables below by adding as many rows as needed.

1.1. CONFERENCES/WORKSHOPS ORGANISED

Date	Location	Title	Participants	Outcome (Short report & Indico URL)
Nov, 29-30, 2012	Rome (Italy)	WORKSHOP GARR - CALCOLO E STORAGE DISTRIBUITO	8	National workshop about Grid and Cloud. Agenda (in Italian): [1]

1.2. OTHER CONFERENCES/WORKSHOPS ATTENDED

Date	Location	Title	Participants	Outcome (Short report & Indico URL)
Nov, 12-15, 2012	Salt Lake City (USA)	Supercomputing 2012	2	IGI Research Exhibition: [2]
Jan, 28-30, 2013	Amsterdam	Evolving EGI Workshop	2	discussions to understand and provide input into the future evolution of EGI

1.3. PUBLICATIONS

Publication title	Journal / Proceedings title	Journal references <i>Volume number</i> <i>Issue</i> <i>Pages from - to</i>	Authors <i>1.</i> <i>2.</i> <i>3.</i> <i>Et al?</i>

2. ACTIVITY REPORT

2.1. Progress Summary

2.1.2. INFN

Migration activity

- Core Grid services provided by NGL_IT have been upgraded to EMI-1 or EMI-2.
- Sites services have been migrate to EMI-1 or EMI-2

Resource centers changes

- Four Resource centers are suspended (GRISU-COMETA-ING-MESSINA, GRISU-COMETA-UNICT-DMI, INFN-NAPOLI-PAMELA, INFN-ROMA1-VIRGO)
- Two Resource center closed (GRISU-COMETA-UNICT-DIIT, GRISU-COMETA-UNIPA)
- One Resource center under certification (INFN-NAPOLI-ARGO)
- One new Resource centers certified (RECAS-NAPOLI)

IGI portal

- We have reviewed the registration mechanism in order to permit the user, who already have a certificate but not a federation membership, to use all the portal functionalities
- We have installed and configured an Identity Provider connected only to the portal
- We have developed new interfaces ad-hoc for some specific applications
- We have developed a new module in order to integrate cloud section in the portal: through the portal is now possible to instance new virtual machines, have a web console and manage them. The portal it will be used by EGI Cloud task force to test the various virtual machine providers.

New National Certification Authority

- Improvements in the design of the IGI on line CA: examination of hardware and software security aspects and study of a certificate revocation mechanism.
- Setup and configuration of the new IGI MICS CA, including security assessment, network design and service deployment.
- Preparation of the final version of the CP/CPS document to be submitted to EuGridPMA for the Certificate Authority accreditation.

Cloud pilot infrastructure

- A cloud infrastructure, based on the open source software OpenStack, has been set up. The main OpenStack components have been installed and tested: identity service, image repository, cloud controller, compute node, object storage and dashboard. We tested the principal use cases on virtual machine management. A system for high availability of the services is under testing.

Security

- Support and monitoring of the glite middleware decommissioning in the production sites.
- Maintenance of the EGI CSIRT training and dissemination wiki pages and preparation of an abstract and material for a poster at the next EGI community forum 2013.

Ticketing

- Routine maintenance of the italian ticketing system

Resource allocation working group

- Participation to the startup phone conferences of the Resource Allocation working group. Presentation and discussion of some initial proposals for the creation and management of a pool of shared resources for new user communities.

2.2. Main Achievements

2.1.2. INFN

- All resources migrated to EMI-1 or EMI-2;
- All site are publishing DN subject to the account repository
- Helpdesk activity for IGI and TPM has been performed.
- SR performed during this quarter (according with the plot ^[3] provided by Mario David):
 - SAM Update 19
 - SAM Update 20
 - emi.cream.sl6.x86_64-1.14.2
 - EMI.glite-mpi.sl6.x86_64-1.4.0
- Assessment of the 1st/2nd support level activity after the TPM and DMSU merge happened in October 2012
- Final draft of the Usage Record 2.0 should be published at the end of January

2.3. Issues and mitigation

Issue Description	Mitigation Description
WMS 3.4.0 deployed on 4 instances. Open tickets: [4] [5] [6]	The update has been put on hold due to the discovery of a bug.
SAM-Nagios update 19. In case of updating perl-Directory-Queue to latest version failures in org.egee.RecvFromQueue has been observed due to operations not permitted in nagios2metricstore and msg-nagios-bridge dirs.	A workaround has been provided that involves removing old data <code>rm -rf /var/spool/nagios2metricstore/*/*</code> <code>rm -rf /var/spool/msg-nagios-bridge/*/*</code>
Failures on new check ch.cern.sam.MrsCheckSpool. Inflation in records in metricdata_spool due to the following bug [7]	Patch has been provided in the release note (known issues section).

References

- [1] <http://www.garr.it/a/workshop-garr-calcolo-e-storage-distribuito/programma>
- [2] http://iebms.heiexpo.com/iebms/oep/oep_p2_details.aspx?sessionId=ej5fgkfh4eikfg5ei6eio&OrderNbr=5539
- [3] http://www.lip.pt/computing/apps/EGI_EA/index.php?option=1
- [4] https://ggus.eu/tech/ticket_show.php?ticket=90240
- [5] https://ggus.eu/tech/ticket_show.php?ticket=89801
- [6] https://ggus.eu/ws/ticket_info.php?ticket=88517
- [7] <https://tomtools.its.cern.ch/jira/browse/SAM-3098>

Article Sources and Contributors

OMB:Italy-QR11 *Source:* <https://wiki.egi.eu/w/index.php?oldid=50841> *Contributors:* Krakow, Veronesi