OMB:Serbia-QR13

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

Quarterly Report Number	NGI Name	Partner Name	Author
QR13	NGI_AEGIS	Institute of Physics Belgrade	Dusan Vudragovic

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)

1.2. OTHER CONFERENCES/WORKSHOPS ATTENDED

Date	Location	Title	Participants	Outcome (Short report & Indico URL)
3-5 Jun 2013	ETH, Zurich, Switzerland	5th International Workshop on Science Gateways (IWSG 2013)	50	Nikola Grkic and Petar Jovanovic from the Institute of Physics Belgrade participated in the 5th International Workshop on Science Gateways (IWSG 2013) held at ETH Zurich from 3rd to 5th June 2013 ([1] The workshop brought together researchers and scientists from different scientific domains, along with science gateways developers, to discuss problems and solutions in the area, to identify new issues, to shape future directions for research, foster the exchange of ideas, standards and common requirements and push towards the wider adoption of science gateways in e-Science. During the event, Petar Jovanovic presented development of the AEGIS NGI Scientific Gateway for the Condensed Matter Physics Community ([2]
1-6 Jul 2013	SZTAKI, Budapest, Hungary	Summer School on Grid and Cloud Workflows and Gateways	30	Summer School on Grid and Cloud Workflows and Gateways has been organized from 1st to 6th June 2013 at SZTAKI, Budapest, Hungary. The summer school was organized by the SCI-BUS, ER-flow, and SZTAKI Cloud project, but its subject was not restricted to the technologies developed by these projects. Participants got detailed view on how the various Grid, Cloud middleware technologies can be combined and utilized via high level user-oriented tools and environments like science gateways and workflow systems. Nikola Grkic from the Institute of Physics Belgrade participated in the school, and as the outcome a first NGI_AEGIS gUSE/WS-PGRADE portal has been deployed at AEGIS01-IPB-SCL Grid site.
12 - 22 Jul 2013	National House of Mihajlo Idvorski Pupin, Idvor, Serbia	Java in physics simulation	30	In Idvor, home village of the scientist and inventor Mihajlo Pupin, best known for his numerous patents related to long-distance telephone communication, an educational and research summer camp for high school students has been organized. It featured lectures on Java programming for simulations in physics. As a part of this 10-day camp, Dusan Vudragovic from the Institute of Physics Belgrade presented overview of the Grid technologies, usage of the Java programming language in Grid environment, and demonstrated one Grid-related tool developed in Java.

1.3. PUBLICATIONS

Publication title	Journal / Proceedings title	Journal references *Volume number* *Issue* *Pages from - to*	Authors *1.* *2.* *3.* *Et al?*
Dipolar Bose-Einstein Condensates in Weak Anisotropic Disorder	Phys. Rev. A	88 (2013) 013624 DOI: 10.1103/PhysRevA.88.013624 [3]	1. B. Nikolic 2. A. Balaz 3. A. Pelster
Scaling Exponents and Phase Separation in a Nonlinear Network Model Inspired by the Gravitational Accretion	Physica D	255 (2013) 52 DOI: 10.1016/j.physd.2013.04.004 [4]	1. A. Bogojevic 2. A. Balaz 3. A. Belic
Nonadiabatic Molecular Dynamics Simulation for Carrier Transport in a Pentathiophene Butyric Acid Monolayer	Phys. Rev. B	87 (2013) 205117 DOI: 10.1103/PhysRevB.87.205117 [5]	1. J. Ren 2. N. Vukmirovic 3. L. W. Wang

2. ACTIVITY REPORT

2.1. Progress Summary

- Coordination of NGI_AEGIS sites operations.
- Attendance to Operations Management Board and Operations meetings.
- Participating in tests being executed after each GGUS release for testing the functionality of each interface from GGUS to any external ticketing system (https://helpdesk.aegis.rs/index.php?mode=ticket_info& ticket_id=113).
- Support to NGI_GE in deployment of monitoring infrastructure, and in migration from NGI_AEGIS Nagios instance to NGI_GE instance (https://helpdesk.aegis.rs/?mode=ticket_info&ticket_id=112).
- Maintenance of CREAM CE, WMS, and LB staged rollout services.
- Participation in "Acknowledging use of resources" survey.
- Dealing in timely manner with all security issues broadcasted by the EGI-CSIRT team: Linux kernel perf_event vulnerability, CREAM BUpdater problem, EMI WMS vulnerability, etc.
- AEGIS01-IPB-SCL site began support DRIHM collaboration through the support of drihm.eu VO. In addition to computing and storage resources, NGI_AEGIS provides core services for this VO: WMS and LB services (wms.ipb.ac.rs, wms-aegis.ipb.ac.rs and wms-demo.ipb.ac.rs), central LFC service (lfc.ipb.ac.rs), BDII service (bdii.ipb.ac.rs), and PX service (myproxy.ipb.ac.rs).
- NGI_AEGIS WMS & LB services (wms.ipb.ac.rs, wms-aegis.ipb.ac.rs), as well as BDII (bdii.ipb.ac.rs) have been successfully upgraded to the EMI-3/UMD-3 (https://helpdesk.aegis.rs/?mode=ticket_info& ticket_id=108).
- Participation in "NGI services provisioning and usage" survey.
- All NGI_AEGIS sites updated CA RPMs to the latest version (EGI Trust Anchor release 1.53-1 and 1.54-1).
- Coordination of registration of eu.egi.MPI service end-points in GOCDB within the NGI_AEGIS.
- Operation of BDII/WMS/LB/VOMS/PX/LFC/Pakiti services for AEGIS, CMPC.AEGIS.RS, ATLAS, CMS, SEEGRID, VO.AGINFRA.EU, VO.SEMAGROW.EU and SEE VOs.
- Maintenance of NGI_AEGIS Nagios box.
- Maintenance of NGI_AEGIS Helpdesk (https://helpdesk.aegis.rs/) and update of the host certificate.
- Operation of AEGIS CA (http://ca.aegis.rs/).

- Maintenance of the AEGIS web site (http://www.aegis.rs/).
- Participation in staged rollout test for emi.lb.sl6.x86_64-4.0.92 (https://rt.egi.eu/rt/Ticket/Display. html?id=5432).
- Participation in the EGI Resource Allocation Task Force (https://wiki.egi.eu/wiki/ Resource_Allocation_Task_Force).
- Deployment of the NGI_AEGIS gUSE/WS−PGRADE portal at the Institute of Physics Belgrade.
- Abstract submission for the EGI TF 2013 regarding development related to the AEGIS Condensed Matter Physics Community Scientific Gateway.

2.2. Main Achievements

- Support of the DRIHM collaboration through the support of drihm.eu VO.
- Deployment of the NGI_AEGIS gUSE/WS−PGRADE portal at the Institute of Physics Belgrade.

2.3. Issues and mitigation

Issue Description	Mitigation Description

References

[1] http://www.amiando.com/iwsg2013.html).

[2] http://www.amiando.com/iwsg2013.html?page=880052).

[3] http://dx.doi.org/10.1103/PhysRevA.88.013624

[4] http://dx.doi.org/10.1016/j.physd.2013.04.004

[5] http://dx.doi.org/10.1103/PhysRevB.87.205117

Article Sources and Contributors

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