

OMB:Serbia-QR14

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
QR14	NGI_AEGIS	Institute of Physics Belgrade	Vladimir Slavnic

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)
16/09/2013	Madrid, Spain	EGI Technical Forum 2013	~500	The most significant event of the year dedicated to EGI Initiative - EGI Tehnical Forum 2013 was held in Madrid, Spain between 16 - 20 September 2013. Through numerous training sessions, lectures, posters, meetings and demonstration the forum provided current state in E-Infrastructure in Europe, ideas and visions. SCL's Nikola Grkic participated in this event through various sessions and meetings. In addition to this activities, SCL contributed with a poster about AEGIS CMPC gateway. More information are available at: http://www.scl.rs/news/872

1.3. PUBLICATIONS

Publication title	Journal / Proceedings title	Journal references <i>Volume number</i> <i>Issue</i> <i>Pages from - to</i>	Authors <i>I.</i> <i>2.</i> <i>3.</i> <i>Et al?</i>
Electronic States at Low-Angle Grain Boundaries in Polycrystalline Naphthalene	J. Phys. Chem. C	117 (2013) 15741; DOI: 10.1021/jp404825h [1]	1. M. Mladenovic 2. N. Vukmirovic 3. I. E. Stankovic
Finite-temperature Crossover and the Quantum Widom Line Near the Mott Transition	Phys. Rev. B	88 (2013) 075143; DOI: 10.1103/PhysRevB.88.075143 [2]	1. J. Vucicevic 2. H. Terletska 3. D. Tanaskovic Et al

Modelling of Disaster Spreading Dynamics	Springer Book Series on Modeling and Optimization in Science and Technologies	2013, Vol. 2, p. 31-42; DOI: 10.1007/978-3-319-01520-0_4 [3]	1. I.E. Stankovic 2. M. Zezelj 3. J. Smiljanic Et al
Implementation and Benchmarking of New FFT Libraries in Quantum ESPRESSO	Springer Book Series on Modeling and Optimization in Science and Technologies	2013, Vol. 2, p. 155-162; DOI: 10.1007/978-3-319-01520-0_19 [4]	1. D. Stankovic 2. P. Jovanovic 3. A. Jovic Et al
An Analysis of FFTW and FFTE Performance	Springer Book Series on Modeling and Optimization in Science and Technologies	2013, Vol. 2, p. 163-170; DOI: 10.1007/978-3-319-01520-0_20 [5]	1. M. Nikolic 2. A. Jovic 3. J. Jakic Et al
Vibrational Spectroscopy of Picolinamide and Water: From Dimers to Condensed Phase	J. Phys. Chem. A	117 (2013) 6474; DOI: 10.1021/jp402033c [6]	1. V. Jovanovic 2. Y. Miyazaki 3. T. Ebata Et al

2. ACTIVITY REPORT

2.1. Progress Summary

- Coordination of NGI_AEGIS sites operations.
- Operation of AEGIS CA.
- 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.
- Attendance to Operations Management Board and Operations meetings.
- Participating in tests being executed after each GGUS release for testing the functionality of interface from GGUS to external ticketing systems: https://helpdesk.aegis.rs/index.php?mode=ticket_info&ticket_id=121
- Maintenance of CREAM CE, WMS, and LB staged rollout services.
- Participation in staged rollout test for EMI.wms.sl6.x86_64-3.6.0 (<https://rt.egi.eu/rt/Ticket/Display.html?id=5882>).
- Pointing out the issue related to brokers and messaging system (SAM notifications were not raised to the dashboard - https://helpdesk.aegis.rs/index.php?mode=ticket_info&ticket_id=117).
- Monitoring of activities in EGI Resource Allocation Task Force (https://wiki.egi.eu/wiki/Resource_Allocation_Task_Force).
- All NGI_AEGIS SHA-2 non-compliant instances for which alarms were raised on Operations Portal were upgraded to the version of software which supports SHA-2 and the summary report has been delivered to COD team: https://helpdesk.aegis.rs/?mode=ticket_info&ticket_id=115, https://helpdesk.aegis.rs/?mode=ticket_info&ticket_id=116
- Maintenance of NGI_AEGIS SAM instance.
- Maintenance of NGI_AEGIS Helpdesk (<https://helpdesk.aegis.rs/>) and AEGIS web site (<http://www.aegis.rs/>).
- Scientific Computing Laboratory of Institute of Physics Belgrade that hosts AEGIS01-IPB-SCL resource centre (and NGI_AEGIS core services) had a major infrastructure upgrade. New cooling system was installed and all

machines were moved to new water-cooled racks.

- Participating in the pre-OMB meeting for October which purpose was to collect contributions from the NGIs about innovation plans and strategies for 2014 and 2015.
- Dealing in timely manner with all security issues broadcasted by the EGI-CSIRT team.
- Mitigating critical bug in NGI_AEGIS top-BDII instance (<http://gridinfo.web.cern.ch/sys-admins/known-issues> (first issue in the top BDII section)).
- NGI AEGIS site AEGIS01-IPB-SCL continued its support to DRIHM collaboration through support of drihm.eu VO (providing computing and storage resources, as well as core services).

2.2. Main Achievements

- Major infrastructure upgrade at Institute of Physics Belgrade that hosts AEGIS01-IPB-SCL resource centre (and NGI_AEGIS core services).
- Finalization of migration of all SHA-2 non-compliant instances to the versions of software which supports SHA-2.

2.3. Issues and mitigation

Issue Description	Mitigation Description
Issue description	Issue mitigation

References

- [1] <http://dx.doi.org/10.1021/jp404825h>
- [2] <http://dx.doi.org/10.1103/PhysRevB.88.075143>
- [3] http://dx.doi.org/10.1007/978-3-319-01520-0_4
- [4] http://dx.doi.org/10.1007/978-3-319-01520-0_19
- [5] http://dx.doi.org/10.1007/978-3-319-01520-0_20
- [6] <http://dx.doi.org/10.1021/jp402033c>

Article Sources and Contributors

OMB:Serbia-QR14 *Source:* <https://wiki.egi.eu/w/index.php?oldid=61487> *Contributors:* Antun, Krakow, Vladimir