



Enabling Grids for E-science

## Overview of IPB responsibilities in EGEE-III SA1

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- **Institute of Physics Belgrade (IPB) is partner No. 28 in EGEE-III, part of SEE federation**
- **Involved in NA2, NA3 and SA1 activity (and NA4 through GRNET)**
- **In SA1, IPB is represented in the distributed SEE ROC through the country representative (A. Balaz)**
- **In SEE-GRID-SCI, IPB leads SA1 activity**
  - Coordination of interoperations between EGEE-SEE ROC and SEE-GRID-SCI SA1
- **Overall IPB effort in EGEE-III SA1 is 55 PM, distributed as follows:**
  - SA1.1: Grid Management – 7 PM
  - SA1.2: Grid operations and support – 36 PM
  - SA1.3: Support to VOs, users, applications – 12 PM

- **Main SA1 responsibilities of IPB:**
  - Representation in the distributed SEE ROC
  - Contributions to SLA monitoring and enforcement
  - Contributions to Grid accounting coordination in the region
  - Contributions to interoperability within the region
  - Oversight and management of Grid operations
  - Local coordination of middleware deployment
  - Regional support for middleware deployment
  - Support for operational problems to sites in SEE ROC
  - Running core services (top-level BDII, WMS+LB, LFC, MyProxy) used by regional ATLAS, CMS and SEE VO users + AEGIS VO
  - Support to EGEE VOs local users (including support in obtaining certificates and providing instructions/orientation for new users, reporting of problems through GGUS/SEE Helpdesk)
  - Local support to VOs (ATLAS, CMS, SEE, AEGIS) in solving operations issues, in VO software deployment and customizations

- **AEGIS01-PHY-SCL**
  - 700 CPU cores, Intel Xeon E5345 2.33 GHz (quad-core, 64bit)
  - 1 GB / core
  - 27 TB of storage in 3 disk servers
  - Total accounting in EGEE-III:
    - 5.11m norm. CPU h
    - SEE VO: 1.36m norm. CPU h (26.6 %)
- **AEGIS07-PHY-ATLAS**
  - Certified in June 2008
  - 128 CPU cores, Intel Xeon 2.8 GHz (with hyper-threading, 32bit)
  - 1 GB / core
  - Total accounting in EGEE-III:
    - 230k norm. CPU h
    - SEE VO: 45k norm. CPU h (19.6 %)
- **Overall accounting:**
  - 5.34m norm. CPU h (54 % of the overall EGEE-SEE 9.89m)
  - SEE VO: 1.4m norm. CPU h (55 % of the overall EGEE-SEE 2.53m)

- **Top-level BDII:** [bdii.phy.bg.ac.yu](http://bdii.phy.bg.ac.yu)
- **WMS+LB:** [wms.phy.bg.ac.yu](http://wms.phy.bg.ac.yu), [wms-aegis.phy.bg.ac.yu](http://wms-aegis.phy.bg.ac.yu)
- **LFC:** [lfc.phy.bg.ac.yu](http://lfc.phy.bg.ac.yu)
- **PX:** [myproxy.phy.bg.ac.yu](http://myproxy.phy.bg.ac.yu)
- **VOMS:** [voms.phy.bg.ac.yu](http://voms.phy.bg.ac.yu)
- **WiatG:**
  - <http://bdii.phy.bg.ac.yu/WiatG/pl/WiatG.pl>
- **WMS monitoring:**
  - <http://ce.phy.bg.ac.yu/rbwmsmon/monitoring.html>
- **Ganglia**
  - <http://ba.phy.bg.ac.yu/ganglia/>
- **Sensors (RAM, CPU and MB temp)**
  - <http://ab.phy.bg.ac.yu/scl-sensors/index64.html>
  - <http://ab.phy.bg.ac.yu/scl-sensors/index32.html>
- **Cyclops:**
  - <http://cyclops.phy.bg.ac.yu:8080/cyclops-v3.0.1-1/>

- **Regional nagios instance**
  - Monitoring through ops.vo.egee-see.org
  - BBmSAM portal (provides also SLA evaluation)
- **Integration of helpdesks**
- **GOcdb and HGSM interoperation**
- **r-COD: joint or separate?**
- **Integration and consolidation of Wikis**