



Enabling Grids for E-science

CE ROC News

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CYFRONET

CE ROC Meeting
Budapest, 6th October 2007

www.eu-egee.org

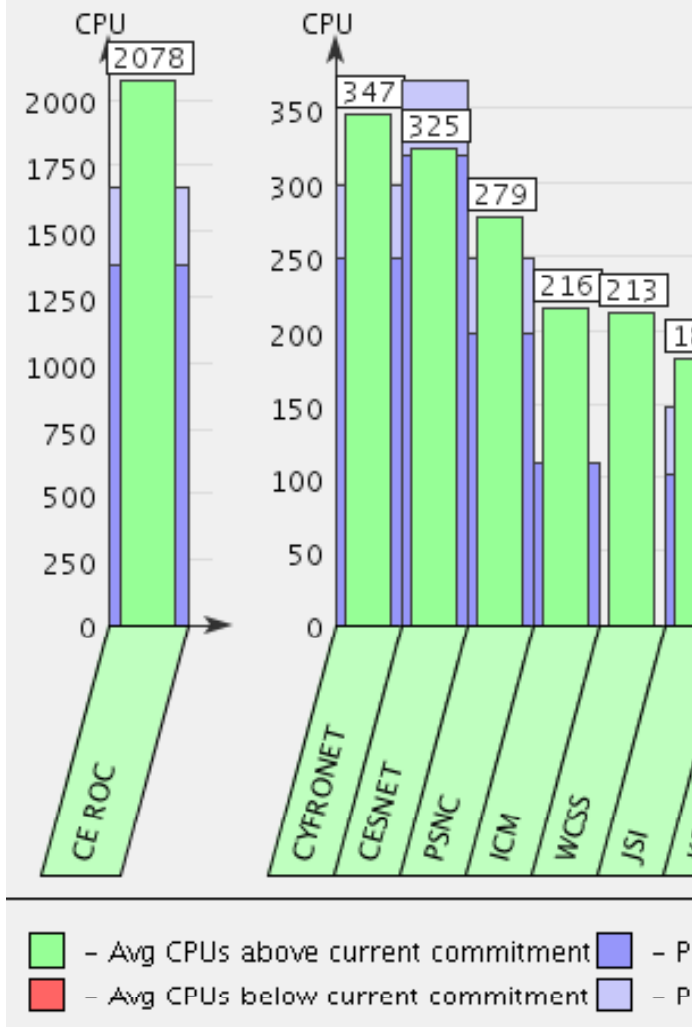


- **News from ARM**
- **Resources**
- **Helpdesk issues**
- **Ideas on resource allocation to VO**
- **BAT Proposal**
- **Changes in EGEEIII**
- **Role of ROC in future**

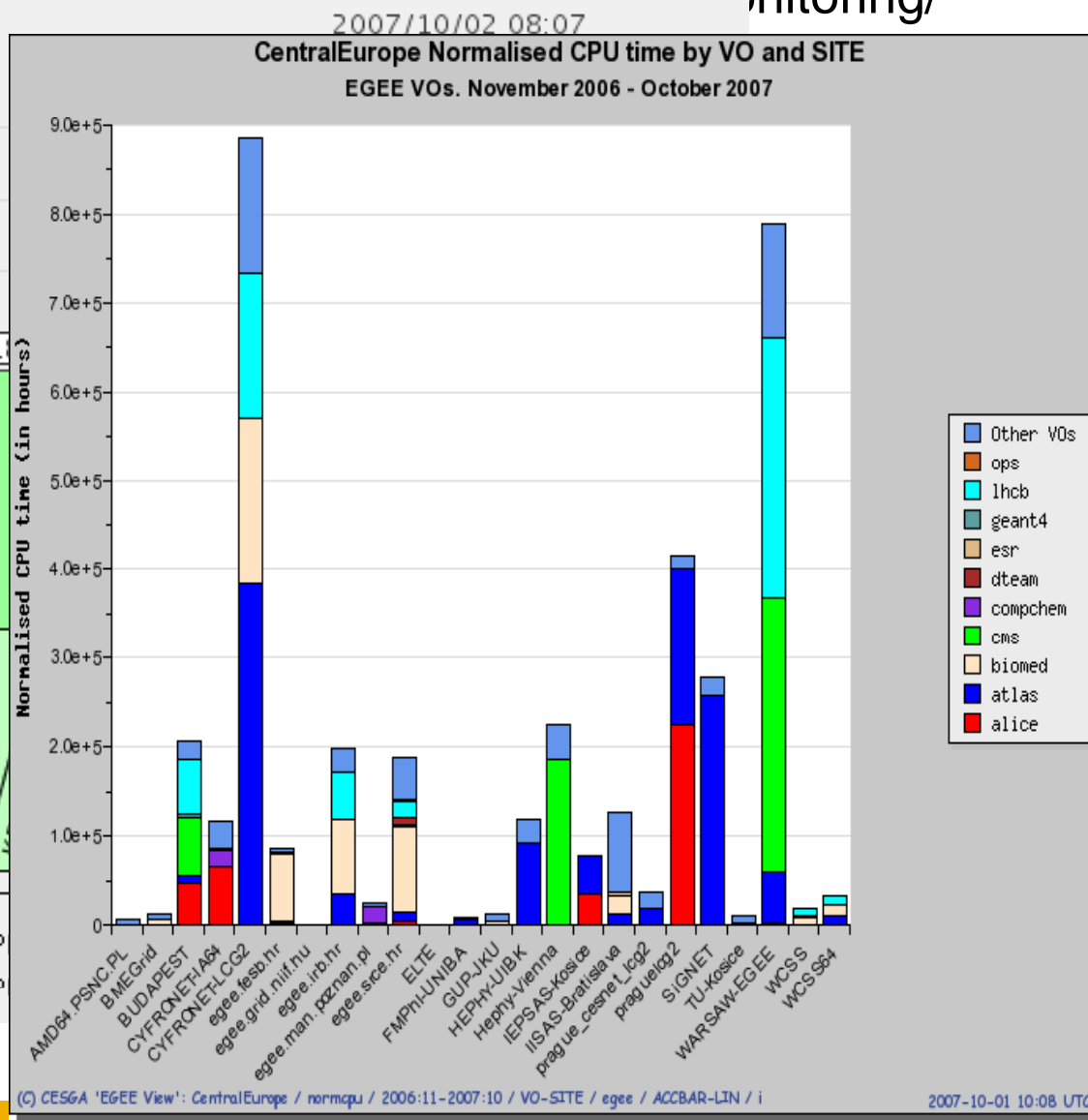
- **Idea**
 - Avoid overlapping of CE ROC 1st line support and COD
 - Avoid tickets on already solved problems
 - Take advantage of 1st line expertise: quicker solution at site & less work for COD
- **Proposal for integration**
 - 1st line support use COD-like dashboard to detect site problems
 - 1st line notifies site and assists site to find solution within *grace period (within one day)*
 - 1st line use *alarm annotations* to elaborate problem status for COD
 - After *grace period* COD team closes the alarm or raises a GGUS ticket
 - http://goc.grid.sinica.edu.tw/gocwiki/TIC_1st_line_support_integration
- **Proposal accepted by COD and ROC Managers**
- **...just first step towards decentralized EGI/NGI grid operations model**

- **Regional SAM instance**
 - Submits tests for: GAUSSIAN, BGTUT VOs:
<https://sam.cyfronet.pl/sam-egEE/sam.py>
 - DTEAM (entire EGEE)
<https://sam-web.cyfronet.pl/>
 - FCR for GAUSSIAN soon (first FCR release last Friday)
- **Failover for global SAM instance**
 - CYFRONET's global instance already setup,
 - Collaboration on replication mechanisms with CERN
- **Improvements to BDII**
 - Regional distribution of BDII service using DNS pool (CESNET, CYFRONET, SRCE)
 - Indices for most frequent queries
 - Some architectural improvements being investigated
 - Transparent failover for LCG tools in case one machine fails
 - Easier for handling machine maintenance periods
- **Collecting and implementing SAM-related improvements**
 - Tools Improvements for COD working group
 - http://goc.grid.sinica.edu.tw/gocwiki/Tools_Improvements_for_COD

Monitoring/



Snapshot on: 6th Oct.07



- **Problems**

1. Mechanism for **automatic** assignment of CE ROC tickets to sites is missing (it requires a person to make **manual action** which introduces delays)
2. Mechanisms for propagating GGUS ticket updates to Helpdesk is missing
3. Helpdesk notifications replicates COD ones

- **Proposal:**

1. Stop using helpdesk for COD tickets – use COD notifications and GGUS
2. Implement immediate, automatic assignment of CE ROC tickets and GGUS updates
3. Stop using COD notifications (optionally keep them for safety reasons).

- **From EGEEII periodic report (SA1 part):**
 - *„VO must get access to resources [...]. Until now this **allocation of resources to new VO is not working very well**. For the smaller VOs, it is very difficult to negotiate with the resource centres separately”*
- **From EGEEII Review Presentation Erwin Laure - Major Issues:**
 - *“Allocation of resources, in particular to new VOs
 - OAG doesn't involve resource owners directly
 - New structures being designed for second year and follow-up”*

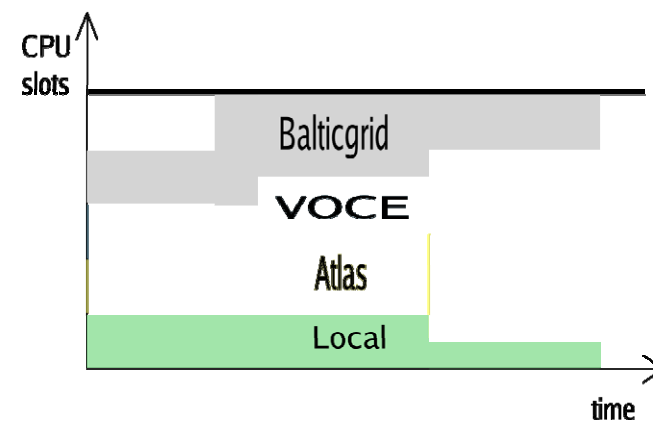
Q: What CE could do for this?

- **A: Provide new solution and show that it works on regional field.**
 - We tried other ways...
 - This scenario works (e.g. SAM Admin Tool)
- **We have a solution!**
 - Enable direct contact between RC and VO manager
 - Provide possibility to negotiate contracts between RC and VO
 - All actions should be simplified by collaboration tool – a portal for resource allocation
 - RC and VO policy management should be done in the portal
 - Tracking of each state of contract becomes easy
 - Possibility of providing simple feedback about VOs (by sites) and about sites (by VOs) and rankings

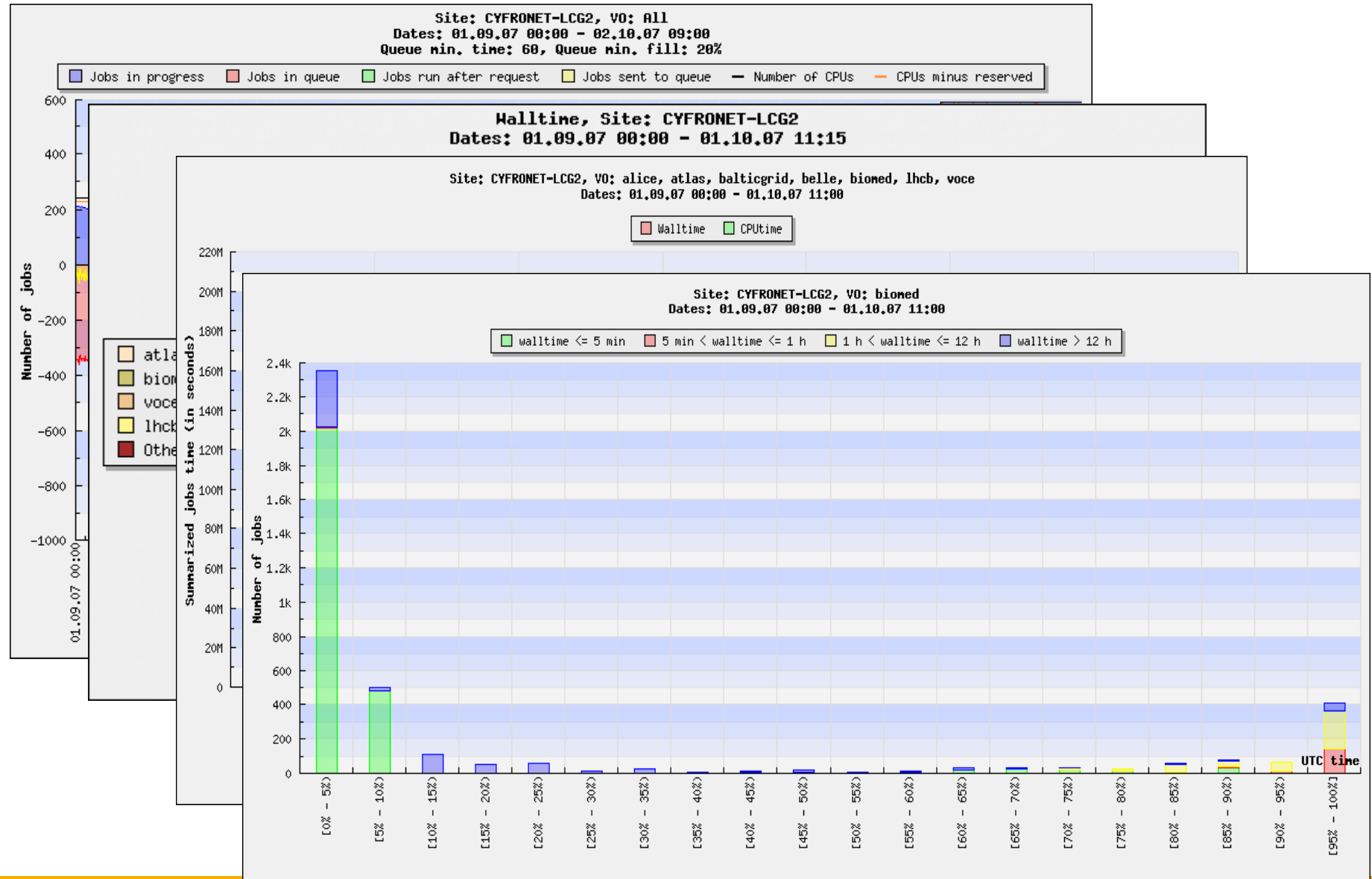
- **Status**
 - A collaboration tool **Bazaar** was designed and is under development
 - unfunded work at CYFRONET
 - Development process is done with integration in CIC portal
 - on separated instance of CIC on Portal (<http://cic-cyfronet.in2p3.fr/>)

- **Proposal for CE**
 - Start to use Bazaar!
 - Current site policy would be defined in portal to make the policy clear and visible
 - For first period ROC will take role of representing some external VO

- **Benefits**
 - RC would better manage it's resource policy
 - ROC will have clear view on RC policies
 - this is a subject of reporting..
 - In (near) future integration of accounting enable easy view on contract execution



- **Monitoring tool for collecting accounting data from sites, querying and visualize it for purpose of**
 - Site admin to check resources usage and optimize site policy
 - VO admin to check if the VO is getting their resources
- **Site policy analysis**
 - Site overview: jobs running, queued, sent to queue, executed immediately
 - VO scope: current values, limits, priorities
 - Amounts of used resources
- **Site efficiency**
 - Effectiveness of site utilization
 - Efficiency of VO
 - Job efficiency
- **Job database interface**
 - User-customizable queries: time period, time limit for job state change, VO etc.
- **Distributed tool for handling many sites**
 - „Agent” run twice a hour on remote site
 - Data securely is sent over net (authentication, encryption)
- **Try at <http://grid.cyfronet.pl/bat> user:guest p:welcome**



- **Responsibility and effort distribution is agreed**
 - Goal was to make it reasonable and feasible
 - Process was clear for everyone
 - Thank you for collaboration
- **Most important changes**
 - There is effort allocated for collaboration with NGIs on both managerial and operational levels
 - Coordination of deployment will be under 1st line support
 - Certification testbed activity will be canceled
 - More centralized user support
- **JRU coordinator's role is to find a person responsible for each task!!!**

- DSA1.6: „Discussion on ROC’s role and relation is ongoing in CE Region”
 - In fact we should START!
- **The fact is, that according to EGEE-III proposal all remains the same**
- **So, why situation in 2010 should be discussed now ?**
 - It is important for our NGIs
 - We should prepare solutions for EGI Project for future
- **The status**
 - Some countries are eager to migrate to flat model with current ROC responsibilities moved to NGIs. They are afraid that three level hierarchy of Grid bodies could not be effective.
 - BUT, introducing so many new partners on European level requires changes in operation procedures
 - It seems possible also to keep ROC for some limited operational work, but management and policy-related activity should be assigned to NGI.
- **We need to define the competence of NGIs and future CE ROC**
 - **HOW to discuss this?**

1. **How to improve support system?**
2. **Do we agree to introduce Bazaar as resource allocation tool for CE?**
3. Sites that want to be supported in BAT can do that
 - Contact Marcin Radecki
4. Who will be responsible for each activity in EGEEIII?
 - JRU coordination should answer this before project start-up
5. **How should we discuss the future model of operations in CE?**
6. Other: Do you want to improve CE input for DSA1.6?
 - Please send us improvements