



Further information and next steps

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EGEE Training and Induction
EGEE Application Porting Support

www.lpds.sztaki.hu/gasuc
www.portal.p-grade.hu



Getting access

P-GRADE Portal services:

- SEE-GRID infrastructure
- Several VOs of EGEE:
 - Biomed, Astronomy, Central European, NA4,...
- GILDA: Training VO of EGEE
- Many national Grids (UK National Grid Service, HunGrid, Turkish Grid, etc.)
- US Open Science Grid, TeraGrid
- OGF Grid Interoperability Now (GIN) VO
- ...

Portal services and account request:

<http://portal.p-grade.hu/index.php?m=3&s=0>

Account request form on portal login page





Installing P-GRADE Portal

- (If you are the administrator of a Grid/VO then) get the installation package from SourceForge
 - <http://sourceforge.net/projects/pgportal>
 - Server requirements
 - <http://portal.p-grade.hu/index.php?m=13&s=0>
 - Local user support must be provided by you
- If you are member of an EGEE / Globus VO that does not have P-GRADE Portal yet, then
 - Ask SZTAKI to add your VO to the Multi-grid P-GRADE Portal Installation → portal.p-grade.hu/multi-grid
 - Ask the manager of your VO to install P-GRADE Portal



To configure your VO in Multi-grid P-GRADE Portal

Send the following information to P-GRADE Portal team:

- Technical
 - WMS URL
 - BDII URL
 - LFC host URL
 - Default SE of the VO
 - VOMS server URL, certificate subject
 - VOMS server certificate
 - Extra CA packages if VO members use other than www.gridpma.org certificates.
- Administrative
 - Homepage of VO/community
 - Use cases for P-GRADE
 - Number of users



User support services

<http://portal.p-grade.hu>

- Training:
 - Training events, trainer community:
email list: pgrade-training@lpds.sztaki.hu
 - Portal to access GILDA resources
 - Online tutorials
- User forum
- Installation and operational support team
- **Application Development and Porting Support:**

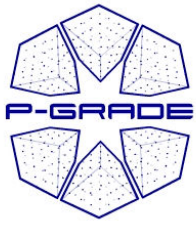
www.lpds.sztaki.hu/gasuc

GASuC
Grid Application Support Centre

eGEE
Enabling Grids
for E-science



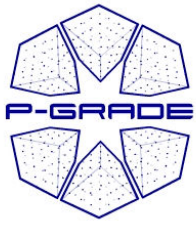
***Related results from
the P-GRADE Portal team***



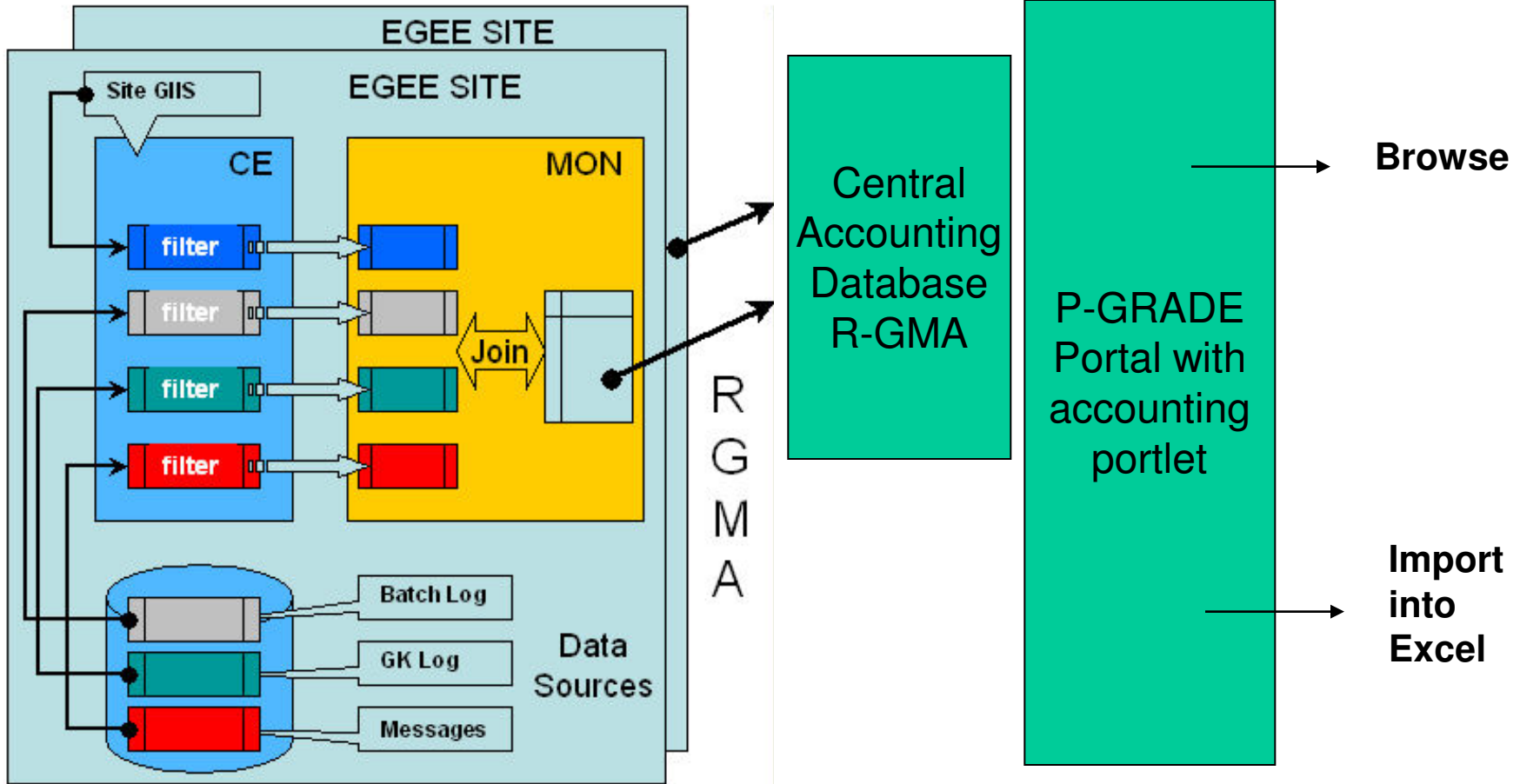
Application specific portals: Science gateways built from P-GRADE

- **Separate grid application developers from end users**
- **E-Marketplace Model Integrated with Logistics**
 - Logistics optimization problem in gLite grid
- **Rendering portal**
 - rendering pictures, videos with BLENDER
- **Numerical Modeling of Mantle Convection**
 - Animating movement of vulcanic mantles
- **OMNET++ Discrete Event Simulation Portal**
 - Simulate networks, waiting queues, ...
 - <https://pgrade-omnet.sztaki.hu>

The image shows two screenshots of web portals. The top screenshot is the 'EMMIL P-Grade Procurement Portal' displaying a user profile for 'Acheron Disaurostor' with fields for Buyer Name, Country, City, Address, ZIP Code, Phone 1, Phone 2, and E-Mail. Below the profile is a 'RELEASE 2.5' banner for the 'P-GRADE' logo, with the word 'Rendering' in large blue text and a vertical arrow pointing down to the word 'portal'. Below this are buttons for 'New rendering job', 'Manage rendering jobs', and 'Help'. The bottom screenshot is the 'OMNET++ Grid Portal' showing a simulation execution interface with a progress bar at '0.0%' and buttons for 'Step 1: Set / Upload Inputs' and 'Step 2: Start/Download'. The date '05 March 2009' is visible at the bottom.



Accounting portlet at MIMOS Malaysia



Monitor your and your users' grid resource consumption from P-GRADE Portal



Family of P-GRADE Portal products

- **P-GRADE portal** **WE USED THIS TODAY**
 - Creating workflows and parameter sweeps for gLite and Globus middleware based utility grids
 - www.portal.p-grade.hu
- **P-GRADE - GEMLCA portal** (University of Westminster)
 - To wrap legacy applications into Grid Services
 - To add legacy code services to P-GRADE workflows
 - Integration with OGSA-DAI and SRB services
 - <http://www.cpc.wmin.ac.uk/cpcsite/gemlca>
 - (No parameter sweep support!)
- **WS-PGRADE and gUSE**
 - Creating complex workflow and parameter sweeps **on local clusters, utility grids, desktop grids, RDBM**
 - Embedded and recursive workflows, conditional execution, legacy codes and community components from repository
 - www.wspgrade.hu
 - Apply for an account on Beta release
 - User manual

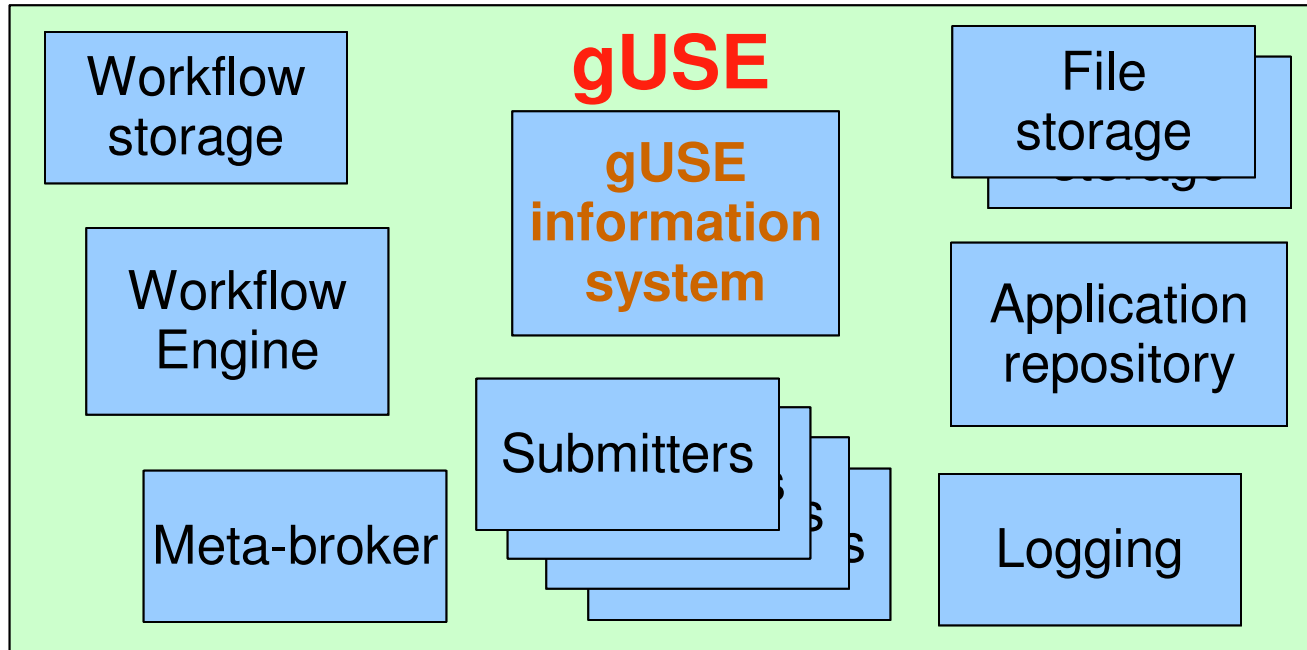




WS-PGRADE – gUSE architecture

Graphical User Interface: **WS-PGRADE**

*Gridsphere
portlets*



*Autonomous
Services:
high level
middleware
service layer*

Local resources, Service grid resources,
Desktop Grid resources, Web services, Databases

*Resources:
middleware
service layer*



Meet us at EGEE'09

- Demos:
 - Further development of P-GRADE Portal for advance user support:
 - Monday 13:00 and Wednesday 10:30
 - EDGeS: Extending resources of EGEE VOs with desktop grid resources
 - Wednesday 16:30 and Thursday 16:30
- Presentations:
 - Latest results of the Grid Application Support Centre at SZTAKI
 - Tuesday 14:00 Application Porting and User Support session
 - Science Gateways for Discrete Event Simulation based on P-GRADE Portal
 - Wednesday 11:00 Science Gateways session



Learn once, use everywhere
Develop once, execute anywhere

Thank you!

www.portal.p-grade.hu
pgportal@lpds.sztaki.hu