



Next steps with EGEE and P-GRADE Portal

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EGEE Training and Induction
EGEE Application Porting Support

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



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 volcanic 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 Discreetio' with fields for country, city, address, phone, and email. Below the profile is a 'RELEASE 2.5' banner for the 'P-GRADE Rendering portal' with 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.



Getting access

- Obtain a certificate from a recognized CA:
 - www.igtfn.net → 1 year long, renewable certificates, accepted in every EGEE VO
 - GILDA CA – two weeks long certificate BUT accepted only in GILDA VO
- Find and register at a VO
 - EGEE CIC Operations portal: <http://cic.gridops.org/>
 - GILDA VO – training and application prototyping: <https://gilda.ct.infn.it/>
 - APESCI VO – incubator VO for Asia Pacific Grid Community
 - Maintained by Academia Sinica Grid Computing (ASGC), Taipei, Taiwan
- Use command line clients of the User Interface service
- Use third party interfaces
 - E.g. P-GRADE Portal
 - Apply for a portal account on www.portal.p-grade.hu/multi-grid
 - Other EGEE RESPECT tools
 - <http://technical.eu-egee.org/index.php?id=290>



Installing P-GRADE Portal

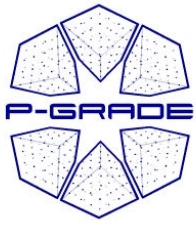
- (If you are the administrator of a Grid/VO then) get the installation package from SourceForge
 - <http://sourceforge.net/projects/pgportal>
 - Server requirements
 - <http://portal.p-grade.hu/index.php?m=13&s=0>
 - Local user support must be provided by you
- If you are member of an EGEE / Globus 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

- Training
- Conferences, User forums
- Direct User Support (GGUS)
- VO Support
- **Application Development and Porting Support:**

www.lpds.sztaki.hu/gasuc



Learn once, use everywhere
Develop once, execute anywhere

Thank you!

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