



Educational Activities of the BalticGrid Project



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Outline

- Training in the BalticGrid Project
- Past Events
 - Nov 2005
 - April 2006
 - July 2006
 - Summary and Conclusions
- Our Plans for the Near Future



Training in the BalticGrid Project

Main Objective of the NA2 Activity

“Ensure expertise sharing and carry out the necessary education and training to build active and successful user communities in the Baltic States”

Tutorials

- Several half-day tutorials are foreseen for:
 - infrastructure support and maintenance staff,
 - people interested in management of Grid infrastructure,
 - application developers,
 - other Grid users who focus on the results which can be achieved through Grid computing.
- Tutorials will be organized during yearly conferences, workshops, and Grid Summer Schools to attract more participants, increase synergy and optimize costs.



Training in the BalticGrid Project

Grid Summer Schools

- Two of Baltic State partners are responsible for organization of BalticGrid Summer Schools in 2006 and 2007, primarily attracting young researchers and postgraduate students.
- Summer School activities will comprise presentations, tutorials and training exercises prepared in order to familiarize users with Grids and Grid computing.
- Senior lecturers from the BG consortium as well as experienced trainers from the EGEE-II and ICEAGE project will deliver lectures and hold classes with practical exercises in order to allow young researchers to acquire the necessary background in several disciplines related to Grid computing.



Events

- Nov 2005 - Cracow
- April 2006 - Vilnius
- July 2006 - Tartu (Summer School)
- *October 2006 - Riga*
- *July 2007 - ? (Summer School)*
- Conclusions

BalticGrid Project



EGEE gLite Tutorial and CrossGrid Performance Tools

- Introductory, hands-on tutorial
 - 23 November 2005, a half-day
 - Cracow, Poland
 - In the framework of the 5th Cracow Grid Workshop and the BalticGrid Kick-off Meeting
 - Piotr Siwczak PSNC, Poznan; Marcin Radecki, Tomasz Szepieniec - CYFRONET/IFJ PAN, Cracow
- The tutorial was designed for new and prospective users of EGEE infrastructure who want to become familiar with Grid computing. It covered introduction to basic Grid concepts, Grid middleware components and end-user experience with Grid interaction. Focus was on the upcoming version of EGEE middleware - gLite.
- Additionally, OCM-G and G-PM – tools for application performance monitoring in the Grid environment developed in the CrossGrid Project were presented.



EGEE gLite Tutorial and CrossGrid Performance Tools Cracow November 2005

- 45 participants
 - Estonian: 5
 - Lithuanian: 9
 - Latvian: 6
 - Polish: 14
 - Others: 11





EGEE gLite and Migrating Desktop Vilnius April 2006

- Introductory, hands-on tutorial
 - 28 Apr, Friday, half-day event;
 - Venue: Vilnius University, Centre of Informational Technologies, Lithuania;
 - in the framework of the Grid Open Day and the Project 1st All-Hands Meeting;
 - Lecturer Mirosław Kupczyk, Poznań Supercomputing and Networking Center, Poland;
- EGEE gLite - experience in using Grid technologies. Scope similar to the previous tutorial in Cracow.
- The Migrating Desktop, the user interface to the Grid is a graphical, flexible framework for Grid users. It has been chosen as the graphical front-end for BalticGrid applications. The tutorial involved simple batch job and file processing as well as setting up a user working environment.



EGEE gLite and Migrating Desktop Vilnius April 2006

■ 44 Participants

- Estonia: 6
- Latvia: 10
- Lithuania: 25
- Poland: 2
- Ukraine: 1





1st BalticGrid Summer School

Tartu July 2006

- 1st BalticGrid Summer School
- 4-8 July 2006
- Tartu, Estonia
- Many lecturers and trainers from the BG & EGEE-II projects involved
- The summer school covered five days of lectures and practical work. The first day was devoted to a general introduction to the Grid and distributed computing. The EGEE tutorial with lectures and practical work comprised the next three days:
 - overview of the EGEE project and middleware,
 - EGEE practical day: from middleware to applications; Applications and Web Services on the Grid,
 - Porting applications to Grids; Web Services and Grids.
- The last day of the school focused on BalticGrid aspects - its infrastructure and applications.



1st BalticGrid Summer School Tartu July 2006

■ 41 participants:

- Estonia: 15
- Lithuania: 11
- Latvia: 9
- Poland: 3
- Others: 3



BalticGrid



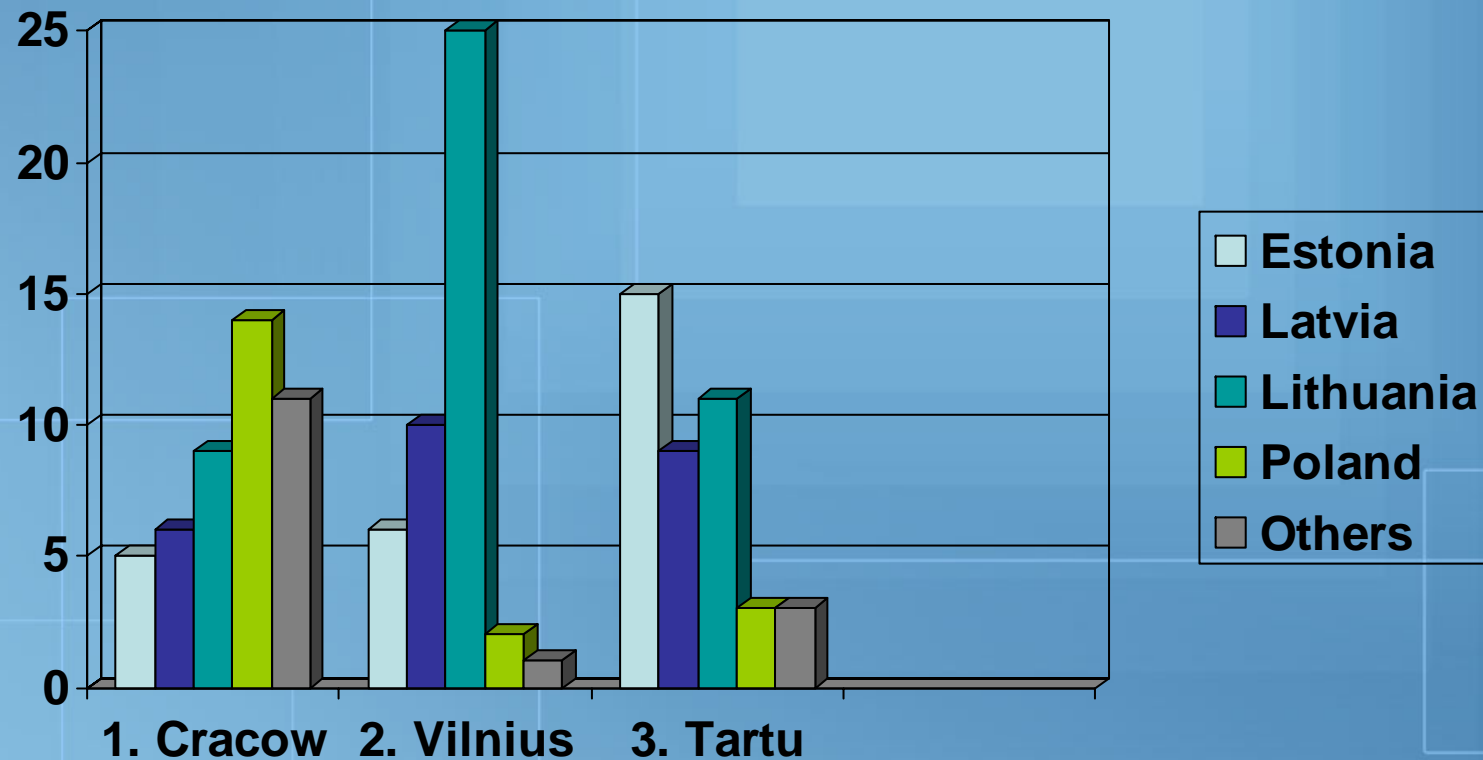
Summary and Conclusions

- training events organized in various Baltic States – to facilitate involvement of local users;
- training events organized during other large-scale events which involve most project members;
- most tutorials delivered by lecturers/trainers from the BG Consortium;
- good cooperation with EGEE (summer school trainers, using GILDA);
- problems with GILDA performance



Summary and Conclusions

Number of participants in the past events





Our Plans for the Near Future

- Tutorial in the framework of the 2nd All-Hands Meeting and Grid Open Day
 - Riga, Latvia
 - October 2006
 - two parts:
 - ▶ EGEE gLite;
 - ▶ Migrating Desktop - support for developers of Grid applications;
- Tutorial in the framework of the 3rd All-Hands Meeting and Grid Open Day
 - April 2007; place to be confirmed
- 2nd BG Summer School
 - summer 2007; place to be confirmed
 - program: advanced training courses