

Application Porting Support

*Gergely Sipos, MTA SZTAKI
NA4 All-hands meeting, Paris, 09-10/June/2008.*

www.lpds.sztaki.hu/gasuc

Also linked to NA4 webpage (→ Support → Application porting)

<http://indico.cern.ch/conferenceTimeTable.py?confId=32345>

- **Activity workplan**
- **Connections**
 - Support for collaborating projects
 - Links to other WPs
- **Application status reports**
 - Isabel Campos
 - Giuseppe La Rocca
 - Eduardo Huedo Cuesta
 - Gergely Sipos



Enabling Grids for E-scienceE

Activity workplan

www.eu-egee.org



- **Subtasks and Timeschedule**
- **People involved**
- **Milestones**
- **Metrics to monitor the progress of the task**
- **Tools to facilitate the teams work**

- “...key aspects of general user and virtual organization support...,” *and* “...building of new and existing user communities,,,,”

NA4 goals from proposal

- **Broadening the usage of EGEE**
 - With new application domains
 - With new applications from established domains
- **Lowering entry barrier for grid newcomers**
 - Use cases, technical analysis, examples
- **Representing gLite users at various internal and external forums**
- **Contributing to the good PR of the project and the infrastructure**

- MTA SZTAKI (Hungary) 126 PM
 - *Gergely Sipos* (sipos@sztaki.hu)
- UCM (Spain) 48 PM
 - *Eduardo Huedo Cuesta* (ehuedo@fdi.ucm.es)
- INFN (Italy) 36 PM
 - *Giuseppe La Rocca* (giuseppe.larocca@ct.infn.it)
- CSIC (Spain) 10 PM
 - *Isabel Campos* (iscampos@ifca.unican.es)
- CEA (France) 11 PM
 - *Frederic Schaer* (schaer@cea.fr)

- ASGC (Taiwan) 24 PM
 - *Simon Lin* (simon.lin@cern.ch)
- UNIMELB (Australia) 6 PM
 - *Glenn Moloney* (glenn@physics.unimelb.edu.au)

- **Total 261 PM**

- Infrastructure for porting:
 - na4.vo.eu-egEE.org
 - Who will provide resources?
- Services for collaboration
 - document server, email list
 - Webpage or WIKI – list of applications?
- Documents, forms
 - Application identification and description form:
<http://www.lpds.sztaKI.hu/gasuc/?m=4> to fill out by client
 - Porting guide – document template to fill out by porting center
 - Porting support evaluation form – to fill out by client after the porting
 - Request form to get financial support to visit a porting centre
 - Template for internal reporting (progress, metrics, problems)
- **Subtask duration: M1-M3**
- **Total effort: 5PM**
 - SZTAKI 4PM
 - Other partners 0.2 - 0.2 PM
- **Metrics: -**
- **Milestones**
 - Established procedures
 - Webpage structure finalised
 - Working NA4 VO?

- Accepting applications, Technical analysis, Writing technical recommendation, (Participating in porting)
- Follow-up: porting support evaluation form
- **Specialised knowledge:**
 - We should build up knowledge base; We should know and publish the competence of each centre
 - GridWay: UCM
 - P-GRADE Portal: SZTAKI
 - I2login: UCM
 - GReIC: ?
 - MPI: UCM
 - SDJ: ?
 - Life sciences tools, CompChem tools, . . .
- **Metrics:**
 - Number of ported applications (per porting centre)
 - Number of publications written from result generated by ported application (scientific significance)
 - Number of ported / number of rejected applications + reason of rejection
 - Man days (weeks?) spent with porting (by porting centre and by client)
 - Client satisfaction
- **Duration: M1-M24**
- **Total effort: ~75% of total effort but INFN, CEA, ASGC, UNIMELB are not known yet**
- **Milestones:**
 - DNA4.4 1-2 M11, M23 Usage of Support and Infrastructure

- Learning new things to stay aware of
 - Latest features of gLite
 - Latest features of RESPECT tools
 - New RESPECT tools
 - Domain-specific tools (e.g. MDM in life sciences)
- Writing porting case studies
 - To publish on application porting webpage
 - To give to NA3 for training purposes
 - To enable NA3 reuse applications for training purposes
- Provide customized porting training for clients
- **Metrics: ?**
 - Joint events with NA3
 - Porting case studies in Digital Library
- **Duration: M1-M24**
- **Total effort: currently ~8% of total effort (~20PM)**
- **Milestones: ?**

- Presence at EGEE-related events
 - Demo booth at EGEE08
- Dissemination material about the activity
 - Distribution through NA2 where possible
- Reaching out to other projects
 - (Actual porting is subtask 2!)
- Development of content for application porting group webpage
- **Metrics: ?**
 - Presence at X EGEE events and Y non-EGEE events
- **Duration: M1-M24**
- **Total effort: currently 8PM**
 - INFN, CEA, AS, MELB are missing
- **Milestones: ?**

- Activity coordination
- Representing Application porting at NA4 SC
- Reporting, planning
- Monitoring NA4 VO ?
- Communication with other EGEE activities
 - JRA1 / TCG
 - NA3: Training request
 - GGUS: Typical errors, known bugs
 - ?
- **Metrics: -**
- **Duration: M1-M24**
- **Total effort: 9PM (SZTAKI)**
- **Milestones: -**

- **Transition to EGI**
 - Views
 - Subtask? / Actions?
- **Application description template**
<http://www.lpds.sztaki.hu/gasuc/index.php?m=4>
 - Do we ask enough questions?
 - Do we ask the right questions?
- **Webpage**
 - Way to present content?
 - Profiles of porting centers
 - Way to present ported applications
 - Way to present current applications
 - Case studies (EGEE UIG < porting case study < ported application)
- **Which subtask deals with organizing/attending porting events**
 - E.g. Porting support session at EGEE08