egee

Enabling Grids for E-sciencE

Application Porting Support

Gergely Sipos, MTA SZTAKI
NA4 SC F2F meeting, Paris, 2007.03.27-28.

www.lpds.sztaki.hu/gasuc
Available via NA4 webapage (→ Support → Application porting)
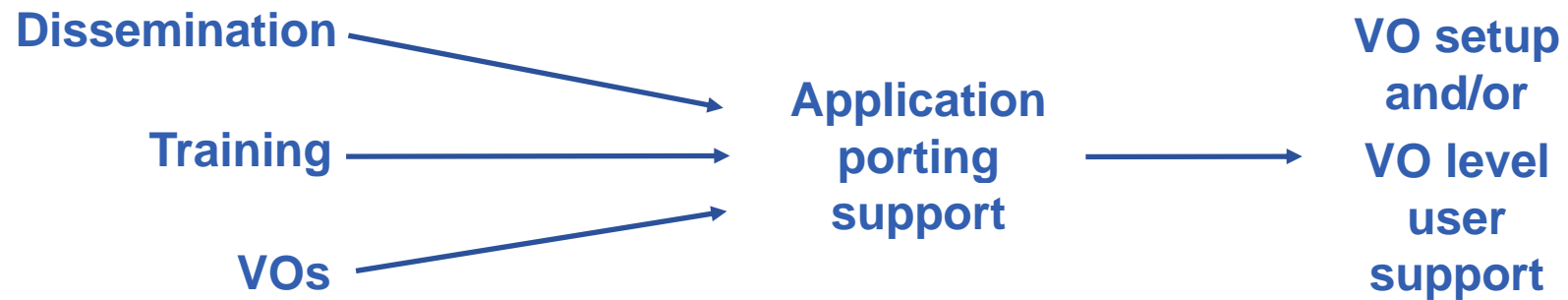
www.eu-egee.org

Information Society
and Media

- **Members:**
  - MTA SZTAKI (Hungary) 126 PM
    - *Gergely Sipos (sipos@sztaki.hu)*
  - UCM (Spain) 48 PM
    - *Ignacio Martin Llorente (llorente@dacya.ucm.es)*
  - INFN (Italy) 36 PM
    - *Roberto Barbera (roberto.barbera@ct.infn.it)*
  - ASGC (Taiwan) 24 PM
    - *Simon Lin (simon.lin@cern.ch)*
  - CEA (France) 11 PM
    - *Jean-Pierre Meyer (jpmeyer@cea.fr)*
  - CSIC (Spain) 10 PM
    - *Isabel Campos (iscampos@ifca.unican.es)*
  - UNIMELB (Australia) 6 PM
    - *Glenn Moloney (glenn@physics.unimelb.edu.au)*
- **Total 261 PM**

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- "…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
    – Community portal for gLite users
- **Representing gLite users at various internal and external forums**
- **Contributing to the good PR of the project and the infrastructure**

- **Support group contacted**
- **Survey, interviews to learn about the current and targeted use case, the nature of the problem, the motivations**
- **Technical analysis. Outcome:**
  - Roadmap document: Recommendations for methods, concepts, tools, infrastructure
- **Arrange access to infrastructure and tools**
- **Porting : porting group helps to reach the a *prototype phase*, but this is basically the client's task**
  - Personal visits
  - Remote support before and after the visit
- **Customized training if required**
  - (Basics of gLite)
  - RESPECT tools
  - VO specific tools
- **Active support process finished, signing certificate**
- **Documentation, dissemination**
- **Follow-up survey, metrics**
- **Support process finished**

EGEE

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Dissemination

Training

VOs

Application porting support

VO setup and/or VO level user support

- **New grid users**
  - Lack of technological and conceptual knowledge of EGEE
  - Do not have access yet
  - Often treat grid as something that might work for them thus work with low priority
  - Difficult to keep them attracted (they are not paid to use EGEE)
- **People who attended an EGEE training**
  - May already have access to EGEE
  - Conceptual knowledge of gLite software stack
  - Technical knowledge some tools → preferences
- **VO members**
  - Experienced with one or more tools → preferences
  - New tools to reach new user cases, new applications

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- **Ported application:**
  1. Has filled out application description template
     - http://www.lpds.sztaki.hu/gasuc/?m=4
     - To be extended with additional questions. Continuous improvement
  2. Has roadmap document
  3. Has case study technical report
     - http://www.lpds.sztaki.hu/gasuc/?m=6
  4. Has signed certificate of acceptance of ported application
     - Proves that the application reached the targeted level
     - Proves that the client received the application
  5. Has filled out porting follow-up survey
     - Helps evaluate client satisfaction
     - Helps evaluate porting service
     - Helps improve porting service
     - Help estimate outreach of application
     - Suggestions for improvement
- **Porting infrastructure, internal communication and reporting**

- **Conditions of subsidizing travel from Community Bootstrapping fund**

- **Conditions of using bootstrap resources to establish a new VO**

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- **Transition to EGEE-III:**
  - Setting up working environment
    - NA4 VO
    - Wiki for internal communication (EGEE WIKI?)
      - *Tables to help follow application progress*
      - *Tricks, tips*
    - Document server for internal reports, work documents (EGEE EDMS?)
    - Mailing list
  - Defining and communicating policies and related forms, documents
- **Continuous at SZTAKI**
  - Accepting and analyzing client requests
  - Routing request to other center if required
  - Coordinating the centers, following porting progress, resolving political issues
  - Communication with external partners (training, JRA1, …)
  - PR: GASuC webpage, dissemination on other web pages, presentations, etc
    - gLite user community building
- **Continuous at every center**
  - (Accepting and analyzing client requests)
  - User support
    - Arranging access
    - Helping application prototyping
    - Customized training (if competency is available)
  - Documentation, reporting, feedback to SZTAKI

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Collected from Application Description Form and Porting Follow-up Survey:

- **Applications**
    - Number of ported applications
        - Per porting center
        - Per scientific domain
    - Motivation (EGEE member, external founded community, unfounded community)
    - Used technology
    - Number of publications written from application results (scientific significance)
    - Number of ported / number of rejected applications
        - Reasons of rejection
    - Man days (weeks?) spent with porting
        - At porting center
        - At client
- **Client satisfaction (quality of porting service, quality of EGEE)**
    - Overall satisfaction with the porting service
        - Suggestions for improvement
    - Overall satisfaction with the EGEE infrastructure, software and services
        - Suggestions for improvement
    - Level & quality of Grid application vs original expectations

- **External links**
  - VO level porting groups – e.g. HEP
  - Similar activities in other projects
    - EUMedGrid, EUChinaGrid, EUAsiaGrid, EUIndiaGrid, SEE-GRID, EDGeS, …
  - SA1: Bootstrapping resource pool
  - JRA1: Latest features
  - NA3: Training request
  - NA4 and Technical Coordination Group: feedback – request for gLite features
  - NA4: request new VO, report on application success, new community
  - NA2: success stories for dissemination, awareness of porting service
  - GGUS: typical errors, known bugs
  - (RESPECT developers)

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- **Deputy**
  - Mr. Miklós Kozlovszky (m.kozlovszky@sztaki.hu)

- **Porting group meeting**
  - Hands-on training to get know each other's tools (RESPECT)
  - Presentations on applications ported so far, understanding competencies
  - Discussing policies
  - At NA4 all hands meeting?