

# Application Porting Support SSC

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Application Porting Support  
Training and induction*

*MTA SZTAKI Grid Application Support Centre  
[www.lpds.sztaki.hu/gasuc](http://www.lpds.sztaki.hu/gasuc)*

- **To help new and existing users of EGI enable new applications on the infrastructure**
- **To help scientific communities develop and establish their own application porting teams**
- **To provide communication channels (forum?) for users of EGI middleware.**
  - Organizing annual EGI User Forum???
- **Lowering the barriers for individuals and new communities to become EGI users**
  - Further developing porting tools
  - Defining recommendations, simplifying policies (e.g. for CAs)
  - Including VO support???
- **Todo: Harmonizing these with other SSCs, with EGI.org User Support**

- **New users and new communities of EGI**
- **Existing users, members of existing communities**
  - Not members of any SSC
  - Members of other SSCs but lack of sufficient porting support
- **Geographic scope: Global**

- **User support is currently scattered across activities, available in almost every JRU**
  - Unknowns:
    - How much porting effort will be available in each NGI?
    - Which middleware will NGIs use?
- **Distinguished porting centers in EGEE:**
  - MTA SZTAKI - Budapest, INFN - Catania, UCM - Madrid, CSIC - Santander, CEA - Paris, ASGC - Taiwan, UoM - Melbourne
- **Establishing the SSC:**
  - Invitation to NGIs
  - Keeping the concept of distinguished porting centers
    - Not necessarily the same gLite partners as now
    - Also ARC and UNICORE partners

- **Plan is to setup a process that allows NGIs (institutes) to bid for distinguished role in the SSC**
- **Selecting institutes with best bids**

## Elaluation criteria (Not final/complete yet!):

- Able to provide porting services within its own NGI and at an international level
- What kind of agreement can the institute make with the Application Porting SSC about the services it provides at the international level.
- Can it demonstrate expertise on application porting by showing examples of (large) applications that were enabled on gLite, UNICORE, ARC infrastructures during the last 2 years?
- Besides providing porting service(s), can should also act as a developer and research center. Its tasks are to simplify EGI access and usage for end users and communities:
- PM cost
- Location (uniform geographical coverage in Europe is preferred)

## Funding for workplans of Distinguished Porting Centers:

- **To guarantee that some level of *generic* application porting support exists in EGI**
  - Critical for new communities
  - Helpful for those communities whose scientific SSC cannot be established for any reason
- **To make the most experienced porting teams able to provide porting support internationally**
- **To realize knowledge transfer across gLite, ARC, UNICORE application support people**
- **To make non-Europeans benefit from EGI**

- **Minimum 2 FTE / distinguished porting centre**
- **Maximum 8 distinguished centre**
  - The less centre the more effort remains for technical work!
- **~ 2 million Euro, distribution according to the success of bids**
  
- **JRA: Porting tools**
  - Data management: reusable tool for processing large datasets on EGI
  - Compute intensive: reusable tool for managing many jobs on EGI
  - Portals, gateways: tool to expose ported applications via the Web
- **SA: Porting services (aiming different user groups)**
  - For novice users
  - For advance users
- **NA:**
  - Dissemination, customized training (link to New Users SSC)
  - Horizontal knowledge transfer on application porting, porting tools and common issues (link to scientific SSCs)
  - Organizing EGI User Forum?

**Thank you**