UMD and gLite consortium

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- production grids depend on middleware
- 3 principal stacks in Europe: ARC, gLite, UNICORE
- further development still needed
- EGI will take take of integration and steering the development
  - proposed **U**niversal **M**iddleware **D**istribution
  - roughly similar role to current SA3 + JRA1
- no direct development funding foreseen in EGI
  - outsourced to middleware consortia

- Collection of middleware components
  - coming from different sources
  - quality confirmed in production
  - released in a coordinated way
  - guaranteed to work together
  - actively used within EGI
    - ▶ or with clear short-term plans to be deployed
- Included components
  - clear criteria for inclusion
  - keep minimal set to ensure agreed functionality
    - ▶ to prevent ever-growing

- Budapest, Oct 28
- EGI introduction, 3 middleware stack talks, panel discussion
- all mw stacks suggested components for UMD
- challenges identified

- there is possible technical consensus which components to include
  - each stack is quite well specialized in its flagships
  - no critical overlap / competition
- what is understood by "interoperability"
  - standard conformance is not enough in practice
- unclear approach to component inclusion
  - we can't start with empty set
  - alternate implementation of the same functionality are not desired

Enabling Grids for E-sciencE

Past

- EU DataGrid (2001–2004)
  - development of roughly 60% of current components initiated
- EU EGEE (2004–2006)
  - prototype deployment
  - gLite name was born
- EU EGEE-II (2006–2008)
  - large-scale production deployment

Current

- EU EGEE-III (2008–2010):
  - deployment scale grows, full support continues
  - considerable cuts in development effort, few new features only

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gLite was born and maintained within infrastructure projects

- close collaboration with both operations and applications
- no longer term foundation

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- EGEE discontinuation foreseen
- EGI/NGI model:
  - take over EGEE infrastructure
  - middleware is still critical function
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. . . and gLite?

- deployed on large EGI infrastructure
- users/applications heavily depend on it
- **no coordinated management (and funding)**
    - limited support for the deployed software
    - no new development (adding required features)
    - existing expertise dissolves

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    - technical, organisational, legal, . . .
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Further development

- define new long-term technical goals
  - initial goals, defined in EDG, have been achieved
  - new issues and requirements emerge, new visions are needed

Support components in production

- discuss requirements and priorities with applications and operations
  - irreplacable experience of working together gained in EDG/EGEE
  - necessary feedback for development
- guarantee infrastructure operation beyond EGEE
  - preserve the former investment

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Sustainable funding

- project-based for well-defined development goals
- complemented with partner contributions
- ...

Kick-off meeting (EGEE'08 conference, Istanbul)

- initial proposal presented
- discussion on the scope and goals
- general mission agreed

Define detailed long-term goals

- establishing working group in these weeks
- partners currently involved in gLite development
- mainly technical focus, organizational structure will emerge

Establish the consortium

- semi-formal, based on MoU initially
- evolve into non-profit organisation eventually
- open participation to include new services etc.
- should happen during EGEE-III

- **start acting immediately**
  - define technical goals
  - invest effort, even without additional funding available right now
- expected participation of all development clusters
- feedback and discussion appreciated **now**