MyGrid

*Personalised biological services on the Grid*

Phillip Lord

p.lord@russet.org.uk

Department of Computing Science, University of Manchester
What is MyGrid?

Funded as part of the UK governments “E-Science” initiative.

“The goal of MyGrid is to design, develop and demonstrate higher level functionalities over an existing Grid infrastructure that support scientists in making use of complex distributed resources.”
But what actually is MyGrid?

What do we have to cope with?
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- Distributed Services
- Heterogeneous Services
- Combining Many Services
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- Distributed Services
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Similar issues to bioMoby, and webservices.
How can we help?

- Dynamic Service Discovery
- Metadata
- Workflow
- Personalisation
- Provenance
Dynamic Service Discovery

What services are available?
Dynamic Service Discovery

What services are available?
What kinds of services are available?
Metadata

- Service discovery without free text search.
- More or less specific searching...
  “give me a BLAST service”,
  “give me a sequence similarity search”.
- Allow sanity checking.
  “does searching SWISS-PROT with DNA sequence make sense”.
Workflow

How can we connect multiple services together?
Workflow

How can we connect multiple services together?
How do we co-ordinate workflow enactment with the user?
Personalisation

Different people have different views on the data.
Personalisation

Different people have different views on the data. Different people have different ways of performing analysis.
Provenance

How did I do that?
Provenance

How did I do that?
Why did I do that?
Current Status

0.1 release sometime in September. Hope to provide basic access to services. Access to CVS about the same time.

http://www.mygrid.info/
Contributors

Matthew Addis, Nedim Alpdemir, Rich Cawley, Carole Goble, Vijay Dialani, David De Roure, Justin Ferris, Rob Gaizauskas, Kevin Glover, Chris Greenhalgh, Mark Greenwood, Peter Li, Xiaojian Liu, Phillip Lord, Michael Luck, Darren Marvin, Simon Miles, Luc Moreau, Tom Oinn, Norman Paton, Stephen Pettifer, Milena V Radenkovic, Angus Roberts, Alan Robinson, Tom Rodden, Martin Senger, Nick Sharman, Robert Stevens, Brian Warboys, Paul Watson, Chris Wroe