EGI Capabilities: Information Model and Information Discovery

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e-infrastructure

- The Information Discovery System is used in EGI as source of static and dynamic information

  – Resource discovery: users can distribute their workload to available resources depending on their status

  – Gathering of topology information for the SAM monitoring framework

  – Installed Capacity

  – Tracking of deployed software

- EGI-InSPIRE SA1 has been working towards the integration of multiple middleware stacks into the monitoring and accounting infrastructure but

  – Integration is needed in the Information Discovery System to allow user payload to be run seamlessly across the infrastructure, regardless of the deployed middleware

EMI

- Short-term
  - How to integrated ARC/gLite/UNICORE
  - What protocols and standards?
- Long-term
  - ERIS (EMI Resource Information Service) and EMI Registry?
  - GLUE 2.0
  - LDAP and messaging ?
  - What about dynamic information?

- Globus 5 IIS not ready for production
  - Expected date for release?
  - Which protocols and standards
    - GLUE 1 and 2?
  - Which information
    - Static and dynamic?
- Can IIS be integrated in a EGI top-level Information Discovery System?