eGee

Training and Induction

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Information Society

- **External Review**

- **Plans for gLite Training**

- **eLearning**

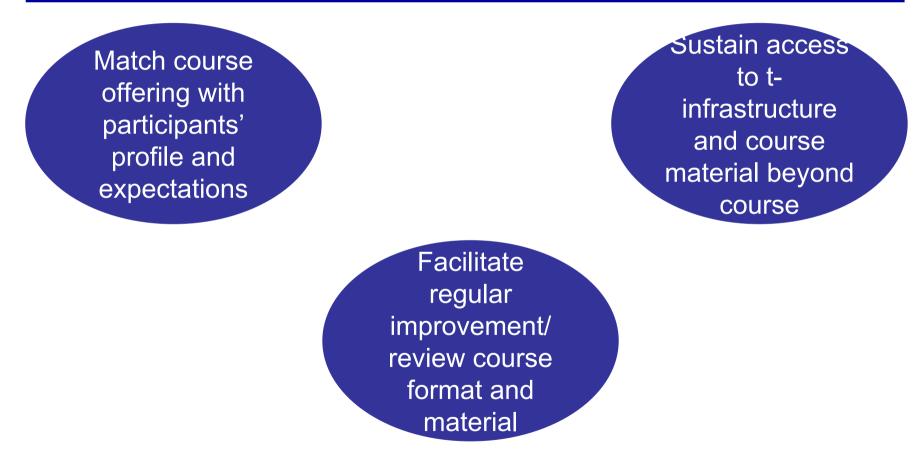- **Deliverables**

External Review

External Review NA3

Given the impressive achievements of NA3, we have identified the following domains for improvement

Match course offering with participants' profile and expectations

Sustain access to t-infrastructure and course material beyond course

Facilitate regular improvement/ review course format and material

•**Overall view: training needs much more resources in EU R&D to realise the Lisbon goals**

Plans for gLite Training

- **Already done**
  - gLite on GILDA
  - Evaluation & training in Russia
- **Now**
  - gLite documentation review
  - gLite course material & exercises   (Sara Collins)
  - gLite UI, WMS, LB installed UEDIN -
    - connect to GILDA & ScotGrid BDII, CE, SE
- **May**
  - 9-13   PPARC summer school   – intro to gLite
  - 30-31   gLite Applications Developer   – in Edinburgh (CANCELLED)
- **June**
  - Biomed meeting organised Massimo   Lyon
  - 13-16 June   Training the Trainers   Catania

Enabling Grids for E-sciencE

- **July**
  - 10 – 17   Budapest summer school   SZTAKI
  - 10 – 22   GGF ISSGC'05   Vico Equense
  - Late July gLite Install course   UEDIN
- **August**
  - 23   gLite Introduction   Taiwan
- **September**
  - GRID KA Summer school
  - gLite Applications training   Greece

eLearning

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- **Enhance accessibility to courses - 24/7 availability**

- **Provide alternative training approaches for:**
  – Self-paced, peer-to-peer learning

- **Facilitate prerequisites requirements for courses**

- **Liberate trainers to focus on more advanced topics:**
  – Teach gLite, instead of basics

- **Provide collaborative environments for:**
  – Experimenting and sharing ideas
  – Localisation
  – Revising and improving training materials

Activity Authoring	Course Validation	Learning Flow	Marking	Sequencing
Assessment	Curriculum	Personal Developm't	Reporting	Tracking
Course Management	Learner Management	Quality Assurance	Resource List	….
AV Conferencing	Alert / Notification	Annotation / Review	Applying	Authentication
Authorisation	Calendaring	Chat	Content Adaptation	Content Management
Email	Federated Search	Filing	Format Conversion	Forum
Harvesting	Identifier	Mapping	Messaging	Metadata Management
Packaging	Personalisation	Resolver	Scheduling	Search / Browse
Tracking	Service Registry	User Management	Whiteboard	….

Prioritise

Sources:

- **e-Learning Service-Oriented Framework (ELF)**
  http://www.elframework.org

- **Virtual Environment Services**
  http://www.grids.ac.uk/ETF/public/WebServices/classes.html

Enabling Grids for E-sciencE

Aims to deliver two tangible outcomes by end of EGEE1:

- **e-Learning resources**
  - July 2005 first release   (internal)
  - Regular evaluation with NA3 trainers and learners

- **Digital Library supporting NA3 objectives**
  - August 2005, core services trial
  - October 2005 EGEE 4th Conference, personalisation services trial

- **Include all NA3 training materials**
  - Currently over 200 presentations, ~ 400 files

- **Pilot resources for gLite and basic courses (inc. XML, Web Services, WSDL):**
  - SMIL audio-visual presentations and GILDA "video tutorials"
  - Software code samples
  - Hands on tutorials and exercises
  - A catalogue of reference objects including websites, technical reports, books, journal, articles

- **All resources will be catalogued using metadata standards:**
  - Dublin Core & IEEE Learning Object Metadata (LOM)

- **A pragmatic approach that builds on current NA3 initiatives**
  - Can't implement and make proper use of all feasible e-learning services
  - Part of the T-Infrastructure

- **Support self-paced learning**

- **Web user interface and service-oriented**
  - NA3 partners build custom applications for localised, federated digital library context.
  - Extensible for additional e-learning services (longer term)

- **Based on Fedora open source repository**

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Harvesting	Identifier	Mapping	Messaging	**Metadata Management**
Packaging	Personalisation	**Resolver**	Scheduling	**Search / Browse**
Tracking	Service Registry	User Management	Whiteboard	….

- **Content management with authentication/authorisation**
  - deposit/update/download materials, versioning, metadata management
- **Search / browse - Search & Retrieve Web Services (SRW) protocol**
- **Persistent linking mechanism (resolver) - OpenURL**

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- **Resources annotation / review services**

- **Personal/local resources list services**

  – Create, read, update, delete personal resource (reading) lists and customised courses - IMS Resource List Web Services/Data Spec.

- **Export resources to other e-learning environment**

  – Zipped packages using IMS Content Packaging Spec.

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- **Fedora installed**

- **Export of material from existing archive underway**

- **Creating RDF links for metadata**

- **Examining hosting solutions with U Edin Library**

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- **Current repository - developing web form to populate 'intermediate' db table -> then entry to main db**
  - Problem with metadata

- **With eLearning framework material developers enter their own material + metadata**
  - Strong version control

- **As designed, current db exports easily to eLearning framework 'learning objects' standard**

Deliverables

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Enabling Grids for E-sciencE

- **Training plan revision - DNA 3.1.3**

  - *structure needs to be improved - made more consise*

  - *better information on federation commitments - new form*

    o Approved by Ognjen (reviewed previous version)

- **Training report revision - DNA 3.3.2**

  - *well received by reviewers last time*

  - *probably don't need to restate constants, mostly updating values*

- **Follow on Survey**

  - *sent to all those who have attended courses*

  - *gathering information identified in EU review and external review*

  - *eg. how useful has training been in long term,*

  - *trainees -> trainers?*

  - *Inform 3.1.3 & 3.3.2*

Enabling Grids for E-sciencE

- **EGEE training is getting strong supporting statements**
  - EU reviewers
  - Students feedback
  - External NA3 Review
  - NA4 survey of VOs – especially biomed.
- **The demand is there**
- **The importance of training will increase**
- **It will take more resources in the future**
  - EGEE2 should resource in all activities
  - Work to get greater investment
    - National bodies
    - Universities
    - EU
- **Low rate of releases of Infrastructure beneficial for training**