

A decorative graphic in the top left corner consisting of a grid of white dots of varying sizes, arranged in a pattern that tapers to the right.

Global Grid Forum

Leading the pervasive adoption of grid computing
for research and industry

Grid Education and Training Workshop

Work in Progress and Future
Collaboration

Malcolm Atkinson & David Fergusson
GGF17 in Tokyo
10th May 2006



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Agenda

- Welcome and Introductions Malcolm Atkinson
 - Select a note taker
- Recap of Athens Malcolm Atkinson
- ICEAGE & ISSGC Malcolm Atkinson
- Reports of other ongoing TOE All
 - Everyone report on their TOE activities
- Developing a Draft Charter All



Workshop Goals

- Share information and ideas about existing education and training for Grid Computing
- Investigate whether people would be willing to continue working together to:
 - Develop and share best practice
 - Develop and share educational and training material
 - Develop and share t-Infrastructure
 - Develop agreed policies for access to training resources
 - Develop shared eLearning resources
 - Develop co-scheduling and cross-accreditation of courses

If the answer is “yes”, develop a charter and form a R/WG



Workshop Goals

- Share information and
- train
- Invest in
- work
- Develop
- Develop
- Develop
- Develop agreements for access to training resources
- Develop shared training resources
- Develop co-scheduling and cross-accreditation of courses

The answer was “yes” in Athens:

- Lots of Participants
- Lots of Enthusiasm
- Lots of Experience
- Charter was Discussed
- Little has been done since
- Malcolm Atkinson promised a draft Charter
- But preparing ISSGC06 & starting ICEAGE, EGEE II training, e-Science Envoy & e-IRG Training & Education left no time

If the answer is “yes”, develop a charter and form a R/WG



Athens Agenda: First Session

- Welcome and Introductions
- Globus Training
- ICEAGE
- EPIC
- Grid Ed. for minority groups
- Summer Schools
- MSc Programmes
- Discussion

David Fergusson
Ian Foster
Malcolm Atkinson
Leslie Southern
Geoffrey Fox
All
All



40
participants



Athens Agenda: Second Session

- Welcome & Introductions Malcolm Atkinson
- EGEE Training Experience David Fergusson
- T-Infrastructure tba
- European Grid Training Rosa Badia
- UK training David Fergusson
- Discussion & possible R/WG Charter

http://www.ggf.org/gf/event_schedule/materials.php?event_id=3

<http://grids.ucs.indiana.edu/ptliupages/presentations/GGF16CITEAMFeb14-06.ppt>



Update on ICEAGE & ISSGC06

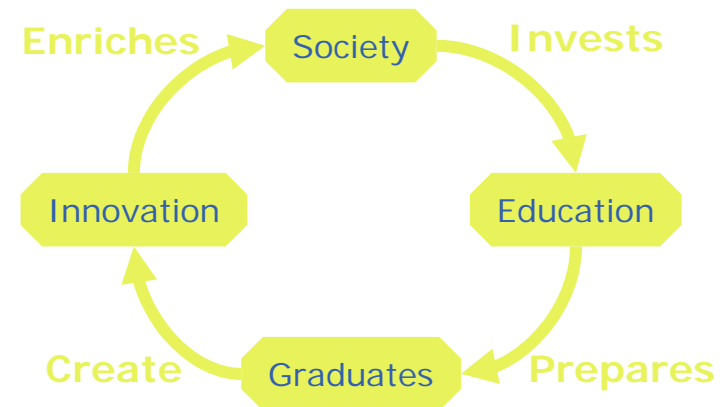
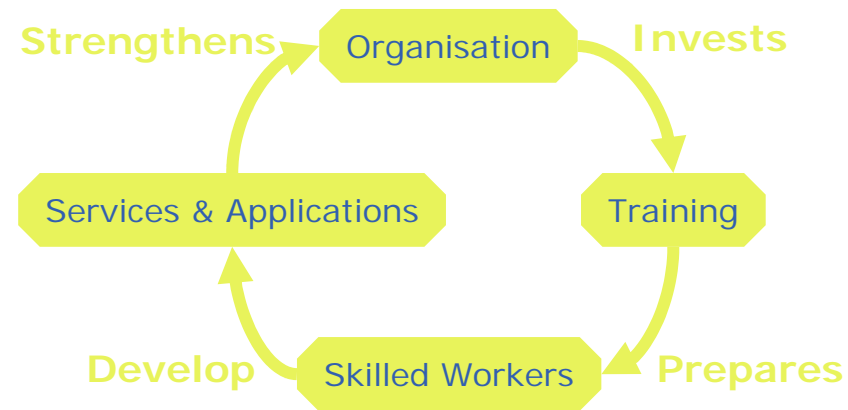
- Project Launched & Running
 - <http://www.iceage-eu.org/>
 - First Forum at Ischia 15 July
 - Organised
 - 4th GGF International Summer School on Grid Computing
 - ISSGC06 9th to 21st July 2006
 - Selected 64 participants from 108 applicants
 - Participants from 20 countries
 - Programme & practical exercises almost complete
 - <http://www.dma.unina.it/~murli/ISSGC06/>
 - ISSGC07 planning underway
 - EGEE CE Summer School, 3-8 July
 - Baltic Grid Summer School, 4-8 July
 - KTH Summer School, 25-28 Aug
 - CERN Computing School, 21 Aug – 1 Sept
 - GridKA School, 10-15 Sept





Vive la Difference

- **Training**
 - Targeted
 - Immediate goals
 - Specific skills
 - Building a workforce
- **Education**
 - Pervasive
 - Long term and sustained
 - Generic conceptual models
 - Developing a culture
- **Both are needed**





Open Discussion

&

WG and/or RG Charter?

Suggested headings for Charter

- Officers:
 - Co-chairs
 - Volunteers?
 - Secretary
 - Volunteers?
- Scope
- Goals
- Milestones
- Plan



Suggested headings for Charter

- Officers:
 - Co-chairs
 - Volunteers?
Malcolm Atkinson, University of Edinburgh
David Fergusson, of the National e-Science in Edinburgh
A representative of the EPIC (Engaging People in Cyberinfrastructure)
 - Secretary
 - Volunteers? Kathryn Cassidy, of the University of Dublin
- Scope
- Goals



Scope

- **Education & Training for Grid-based Computing**
 - Grids underpinning application disciplines
 - Grid engineering, production & management
 - Computer Science for Grids
- **Expected Education Target Communities**
 - Universities & Colleges
 - Schools (later?)
 - Industry
 - Experts & Practitioners

What people want versus what people need

What society needs versus what people want



Mission

- To raise the commitment to Grid Training, Outreach and Education
- To improve the quality and availability of Grid TOE
- To support the community of Grid Educators and Trainers



Goals 1

- To understand and Report Current Work & Investment
- To increase the value of Investment in Education & Training
 - Developing shared best practice
 - Curricula, Education & Training methods
 - Establish and maintain shared resources
 - Education and Training materials repositories
 - Education & Training e-Learning Portals
 - Education & Training t-Infrastructure
 - Coordinate schedules and announcements
 - Pooling information about courses, planning and teachers



Goals 2

- Develop and Present Information Documents
 - Covering the above goals
- Identify where standards are needed
- Develop and Nurture Standards proposals as needed, e.g. to enable sharing and student mobility
 - Policy for sharing training resources
 - Policy, procedures and standards for Course QA
 - Policy, procedures & protocol for cross-course recognition



Milestones

- Collated report on current work in Grid Education & Training by GGF18



Plan

- Meet at GGF17 to:
 - Assemble and critique information about current work
 - Draft outline of first information document
 - Allocate responsibilities
 - Produce plan for next two documents
- Meet at GGF18 to:
 - Collate and polish content of Report on Current work ready for public review
 - Start work on policy and standards documents
 - e.g. to agree a framework for international repositories of shared educational and training material (NB links with digital library standards)

Meet at GGF19 to:

Complete draft of standard for sharing training material

