



Enabling Grids for
E-science in Europe

www.eu-egee.org

16th September 2004

EGEE, NextGrid & NeSC Training

Malcolm Atkinson
Director National e-Science Centre



- **Skills and understanding**

- Required *throughout* Europe to achieve Lisbon
- Fundamental foundation
 - For research, innovation, deployment, operations, ...
 - To build e-Infrastructure
 - To operate e-Infrastructure
 - To exploit e-Infrastructure
 - To make e-Infrastructure accessible to EU Citizens

Delivered by
Training & Education

- **Integrate Training & Education**

- Magnifier – train the educators
- Share infrastructure, material, exercises, examples, ...

- **Combine Creativity & Energy**

- From *all* projects
- Across Europe

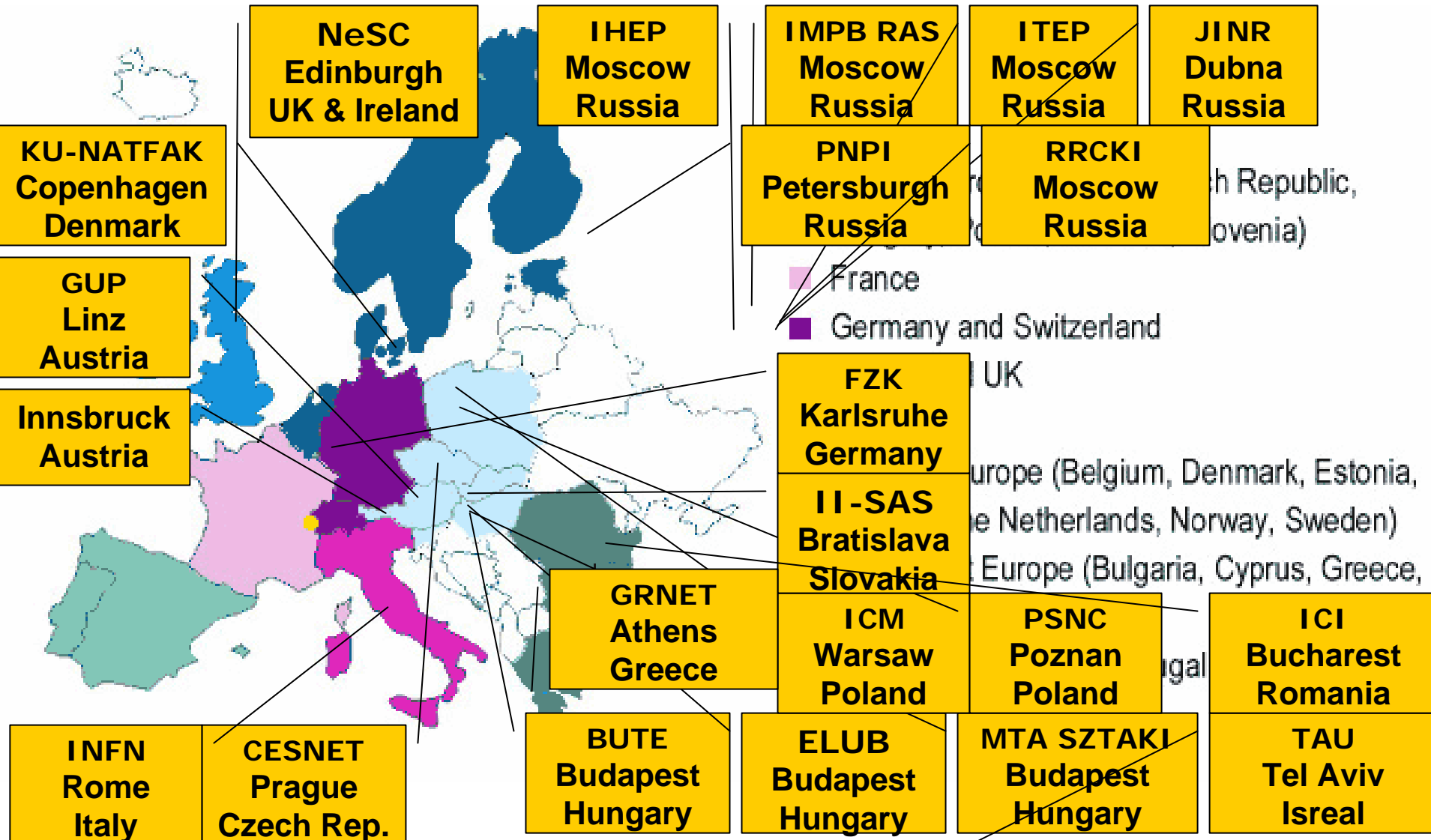
Grids are a disruptive technology
New skills needed
New ways of working
Stimulating Innovation
Demanding Collaboration

- **NeSC events hosted at the centre**
 - >200 average 8 per month over 3 years
 - >16,000 person-days
 - increasing awareness and expertise in Grid technologies
 - building a community
 - academic and industrial sectors
- **Dissemination: events / conferences + “Portal”**
 - (e-)Newsletter, Announce service, Jobs service
 - >4000 registered members
 - NeSC web site, NeSCforge, NeSC wikis, NeSC mail lists
 - Technical Report Series
 - Support for All Hands Meeting
 - Registration
 - Programme Cmttee: submission, review & decision tracking system
 - Programme & Proceedings production

- **The National e-Science Centre, Edinburgh, UK**
 - dedicated training team
 - 5 trainers
 - support staff
 - facilities
 - more posts in the pipeline
- **NeSC lead training for**
 - EGEE
 - NextGrid
 - UK e-Science

**NeSC & EGEE offer to extend their scope and activities
Collaborating with *all* EU e-Science & e-Infrastructure projects
For *all* Training & Education
Delivering for EU Citizens, Industry & Academia**

EGEE 22 Training Partners

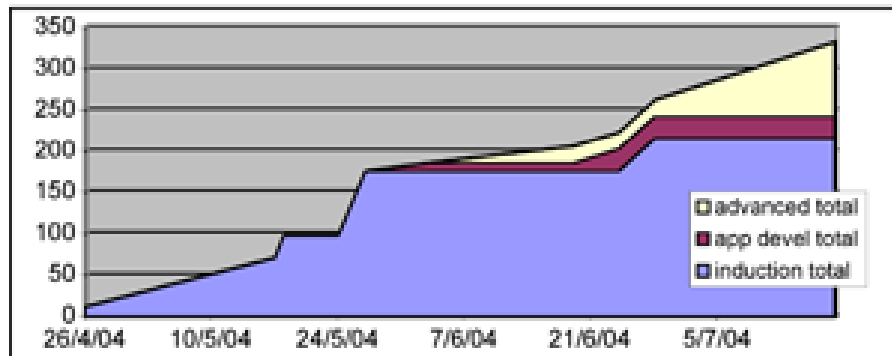


EGEE Training 22 Partner Institutes

University of Edinburgh	UK	FSUC	Denmark
IGPD Universit Linz	Austria	IHEP	Russia
II Universitet Innsbruck	Austria	IMPBRAS	Russia
CESN	Czech	ITEP	Russia
BUTE	Hungary	JINR	Russia
ELUB	Hungary	PNPIRAS	Russia
MTASAKI	Hungary	RRCKI	Russia
WUICMCM	Poland	GRTN	Greece
IBC PAN, PSNC	Poland	TAU	Israel
UI, SA	Slovakia	NIRDI	Romania
FK GmbH	Germany	INFN	Italy

EGEE training delivery

Total number of trainees



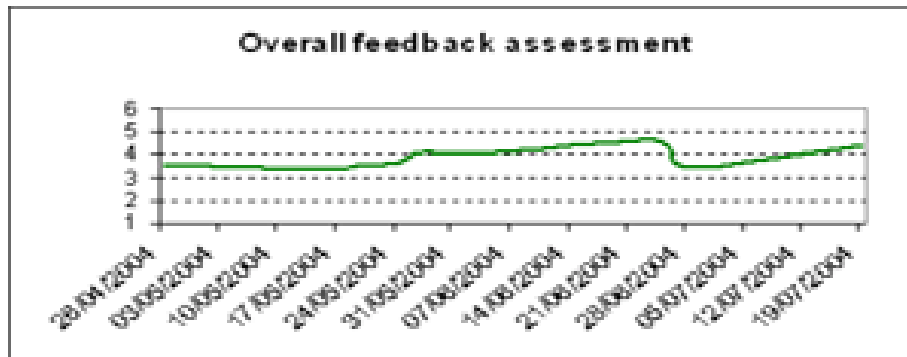
Training Events throughout Europe and beyond!

Since April 2004 EGEE NA3 has trained 350 people in 14 courses ranging from introductions to EGEE (induction) through application Developer to advanced level.

Next week 4 days in Karlsruhe
5-7 October in Latvia

NA3 is committed to maintaining and developing the quality of training. To do this feedback is collected from the users of courses.

Overall feedback assessment



1st & 2nd International Grid Summer Schools

eGEE
Enabling Grids for
E-science in Europe



Built on CERN Summer school Experience

International collaboration

- GGF
- Multi-national Sponsors
- High profile engaging teachers

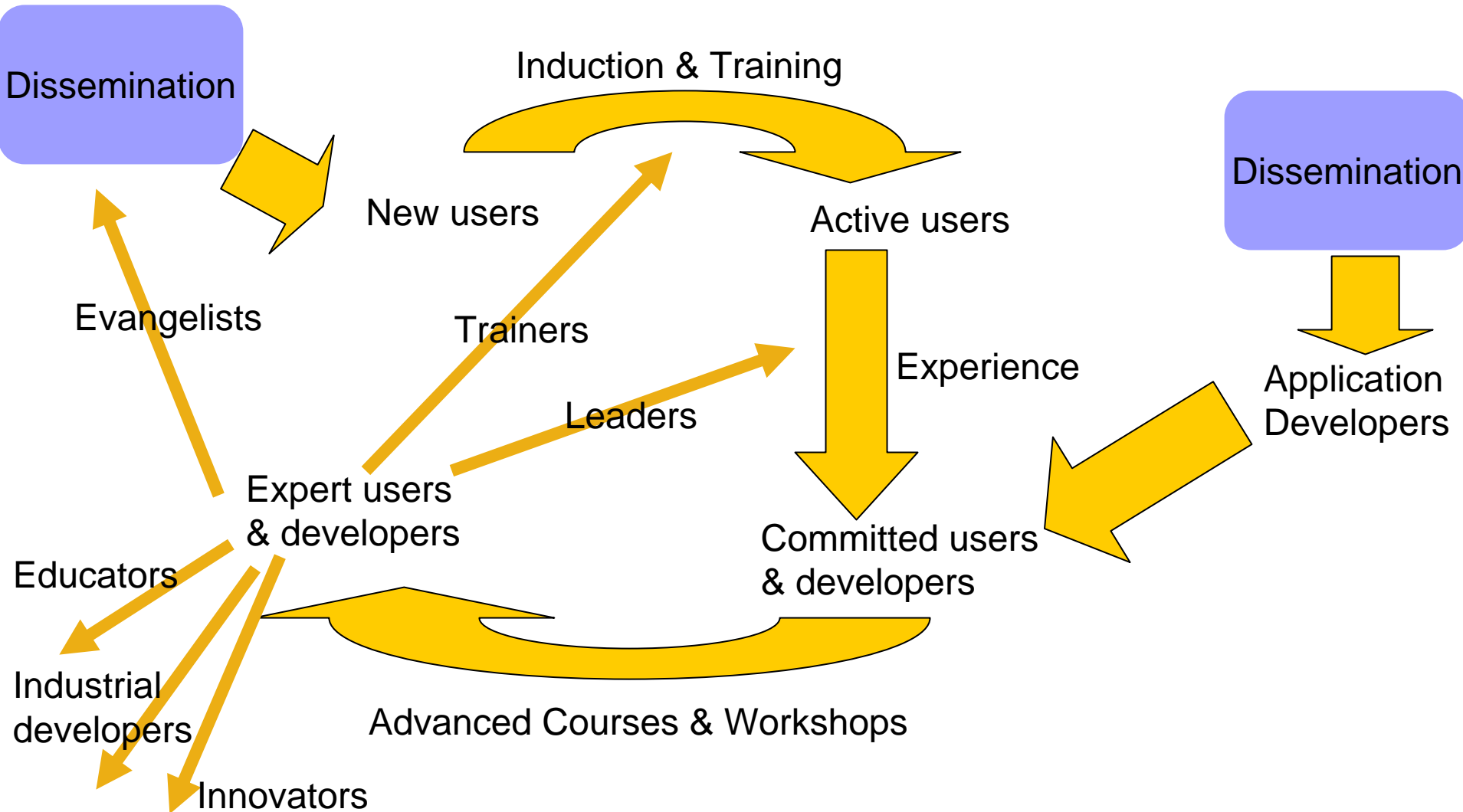
Carefully Designed Syllabus

This year's event was attended by 84 selected advanced students – from all around the world

- **The EGEE training material is available**
<http://www.egee.nesc.ac.uk/trgmat/index.html>
 - For everyone
- **New advanced training materials repository**
 - Available Q4 2004
 - Structure, provenance, evaluation
 - Contribution support
 - Search
- **Two-day Meeting 1&2 Nov.**



Virtuous Circles



Summary & Contacts

We have a well-established foundation
We have a strong momentum & experience
We have a solid foundation
for *all* Training & Education
Delivering for EU Citizens, Industry & Academia
people power for Innovation

Education & Training – 1150 people

Success Generates Disaster

training-support@nesc.ac.uk

<http://www.egee.nesc.ac.uk/>

Training requests

<http://www.egee.nesc.ac.uk/suggreq/index.html>

