EGEE NA3 Status

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NA3 Status: Overview of presentation

- NA3 Status: summary

- Technical Annex: training requirements

- NA3 partner response

- Internal induction course: targets, content, initial events, development

- Trainers need induction – and assistance
  - heavily dependent on response from other EGEE Activities

- Other immediate issues

- Modified timeline

NA3 Status: Summary

- NeSC training team recruitment underway

- Two experienced technical staff assigned to training team

- Initial team focus: EGEE internal induction course

  - First run 26-28 April at NeSC (for EGEE trainers and participants)

  - Draft modules onto Web during May

  - Second run 18-20 May at CERN (for EGEE trainers and participants)

  - Productise course in June: available as modules, as configurable days, as well as two-day course envisaged by Technical Annex

- Two NA3 partner conference calls to date – third call to be just before Cork conference, to refine execution plan

- Good level of attendance of NA3 Partners at Cork conference

Reminder: TA Requirement for Courses

Course Type	Average Attendance	Course Requirements	Number per Year
Induction	50	2 Day Web Access	$\geq$ **10**
Application Developer Training	25	4 Day Workstations	$\geq$ **8**
Advanced Courses	25	5 Day Workstations	$\geq$ **2**
Internal Technical Activity Specific Retreats	30	2 Day	$\geq$ **6**

NA3 Partner response to date

- Encouraging participation in two NA3 conference calls.
- Still to hear from
  - **12** PSNC: Institute of Biorganic Chemistry PAN, Poznan Supercomputing and Networking Center - Poznan Poland
- Elena Slabospitskaya of 41 HEP (Institute of High Energy Physics - Protvino Moscow) is to coordinate NA3 Russian contribution. Apart from Elena, contact with Russian partners has only been made with
  - **46** PNPI (Petersburg Nuclear Physics Institute of Russian Academy of Sciences - Gatchina, Leningrad).
- So nothing from
  - **42** IMPB RAS (Institute of Mathematical Problems of Biology of Russian Academy of Sciences, Pushchino, Moscow)
  - **43** ITEP (Institute of Theoretical & Experimental Physics, Moscow)
  - **44** JINR (Joint Institute for Nuclear Research, Dubna
  - **47** RRCKI (Russian Research Centre "Kurchatov Institute", Moscow)
- Cork conference participation will be crucial.

NA3 Status: Internal Induction Course

- Goals of internal training (from EGEE documents):

  - To help new recruits gain necessary skills

  - To convey the structure and processes of EGEE

  - To extend skills of the existing team (by advanced courses)

  - To develop "team spirit"

- Need to initiate induction whilst refining other NA3 plans

  - EGEE management tools and procedures

  - Early familiarisation recognised as important

  - Presentations requested from EGEE experts in Cork – **or before**

- Focus on development of induction course to gather momentum

- Induction focus is on EGEE orientation and "team spirit"

Internal Induction Course Targets 1

- Induction course will include:

  - Grids and their application

  - EGEE Project – context, history, goals, structure

  - EGEE Grid – current middleware, future technology

  - EGEE Project procedures – management, admin, website, where to find standards

Internal Induction Course Targets 2

- Develop "team spirit"
  - By setting individual contributions in context of the *whole* project
  - By focussing on a shared motivation, from EGEE vision:
    - **Goal of end-user applications transforming collaborative science in Europe**
    - Appreciate complete range of disciplines
    - Appreciate complete range of activities: from producing code to successful use by (non-Grid-specialist) application developers
    - Awareness of all activities in project
    - Alert to *all* partners

Internal Induction Course Targets 3

- How do we measure success?
  - Delivery on time, to sufficient numbers, in appropriate places
  - Engagement with project procedures, standards
  - Creative support from EGEE activities for dissemination, outreach and training
    - Information to be included in training
    - Experts prepared to present at training events
    - Up-to-date identification of requirements
  - Assessment by participants
    - feedback forms, comments during events
  - Tutor feedback forms
  - Feedback from EGEE activity employers
  - Take-up of Web-based resources

Outline of Internal Induction Course

- Resources available include:
  - 2 day EDG tutorial
  - GENIUS portal
  - Demonstrations (determine how practical & effective)
- Tutorial material tested & available by end May:
  - ~1 day on EGEE structure, procedures, goals, context, introduction to Grids, applications & technologies
    - Released to EGEE Intranet in May (drafts earlier)
  - ~1 day on demonstrations, practicals with both GENIUS and command-line interfaces
    - Suited to new recruits especially; usable for external induction later.
  - Modular, configurable resources will be on EGEE Intranet
  - Trainers across EGEE will be mobilised to deliver these

Edinburgh Test-Bed Grid

- We see need to have an Edinburgh test-bed Grid, for flexibility and experience.

- Will need assistance from EGEE colleagues in setting this up, and in modifying EDG tutorial material as necessary.

- Requirement: at least 5 machines running RedHat 7.3 and LCG-2 software stack.

April 2004 induction course, Edinburgh — preliminary plans

- Spread two day induction course over three days:
  - Initial induction for trainers – some time to go deeper – if feasible to attend course in the week following Cork
  - Dry-run of orientation modules with time for identifying revisions
    - EGEE, Grid introductions
    - Project procedures
  - Exploration of alternative practicals/demontrations
- Outcomes:
  - Bring orientation modules to draft release state on Intranet
  - Finalisation of remaining modules for dry-run in May in CERN
- Participation:
  - Mix of EDG-experts, trainers from across NA3, some recruits to EGEE
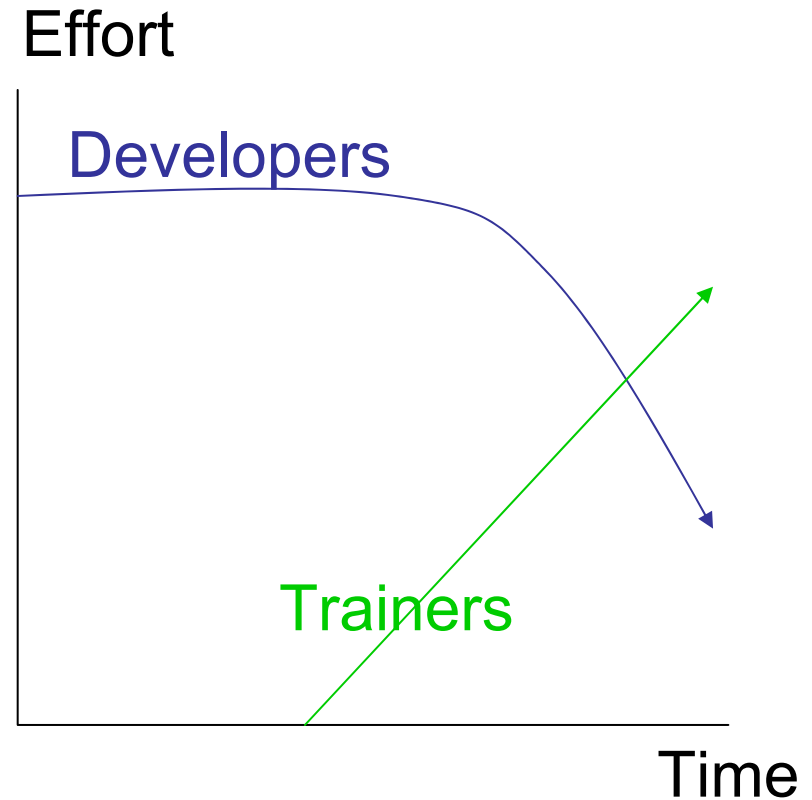
May 2004 induction course, CERN

- Dry-run of two-day course
- Third day to begin more in-depth training of trainers
- Similar participants to Edinburgh:
  - Trainers
  - Some EDG experts
  - Some EGEE recruits
- Outcomes:
  - Final version of induction course, ready to be published on Intranet
  - NA3 partners (who will have been involved in development) then able to use the induction material locally
  - From EDG experience, every running of a course is different: so record material of *every* event on Internet.
  - Valuable material for more in-depth technical tutorials
  - Records demonstrating delivery against TA goals

Induction course development

- NA3 partners waiting for material to be provided by NeSC training team.

- Once initial course material is available, partners will use it and enrich it.

- Modular approach envisaged: NA3 partners to contribute lecture-length modules in their areas of expertise, or examples in their area.

- In longer term, a large range of modules will be available, for combination as events require.

- 'Copyleft approach' to use: freely available, so long as EGEE attribution is given. (Necessary when working with non-EGEE partners: goal is dissemination.)

Trainers need induction…

- … to a level deeper than that at which they train.

- Training places demands on other activities, before the training burden can be lifted from them!

- Trainers are early users.

- The more usable the software, the quicker the handover for training!

Effort

Developers

Trainers

Time

NA3 Status: Other immediate issues

- Completion of Activity Plan

  - Needs engagement *by all* NA3 partners

  - Edinburgh will issue a final Plan at end of March

- Need to make progress with plans to use GENIUS

  - assistance from Roberto Barbera

- Who runs CA for training?

  - Recent issue raised by Erwin Laure

- Recruitment of EDG trainers

  - promises thus far

- Install and demonstrate existing EDG examples (e.g. as shown at final EDG Review).

Timeline (modified)

Preliminary Course Set Preparation Tested with EGEE colleagues

Initial Courses Run using *ad hoc* <u>transition</u> model

Survey of Training Material & Inventory Database Designed

3 Month Course Schedule Announced

Standard Course Model Specified

Formulate Training Model

Initial Training Inventory Complete

Training Team Building

Regular Training Plan Operational

Month 1 | Month 2 | Month 3 | Month 4

EGEE Charging starts (April 2004)