

Training in EGEE-III

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NA3 Activity in EGEEIII

The overall objective of NA3 in EGEE-III is to stimulate and support the development of training provision mechanisms associated with the emerging National and Regional Grid organisations, which will form the future structures to support local training provision.

- **Important NA3 address issues of:**
 - Sustainability
 - Scalability

- **TNA3.1: Course Content, Scheduling, Organisation**
- **TNA3.2.a: Coordinated support mechanisms**
- **TNA3.2.b Training-Infrastructure provision**
- **TNA3.3: Activity management and partner coordination**

- **To further expand and refine the portfolio of training material and courses, to provide training resources for an ever-widening range of Grid applications.**
- **To train a wide variety of users, both those within the EGEE consortium and those from outside the project who make use of the EGEE Grid infrastructure.**
- **To further develop effective mechanisms for passing on knowledge to end-users of EGEE related projects.**

- **To expand the online learning services within EGEE-III, to meet the needs of an expanded project and larger user-base.**
- **To support and complement the provision of t-infrastructure on the GILDA testbed by developing and maintaining an expanded range of training resources to cover an increasingly diverse range of application scenarios.**

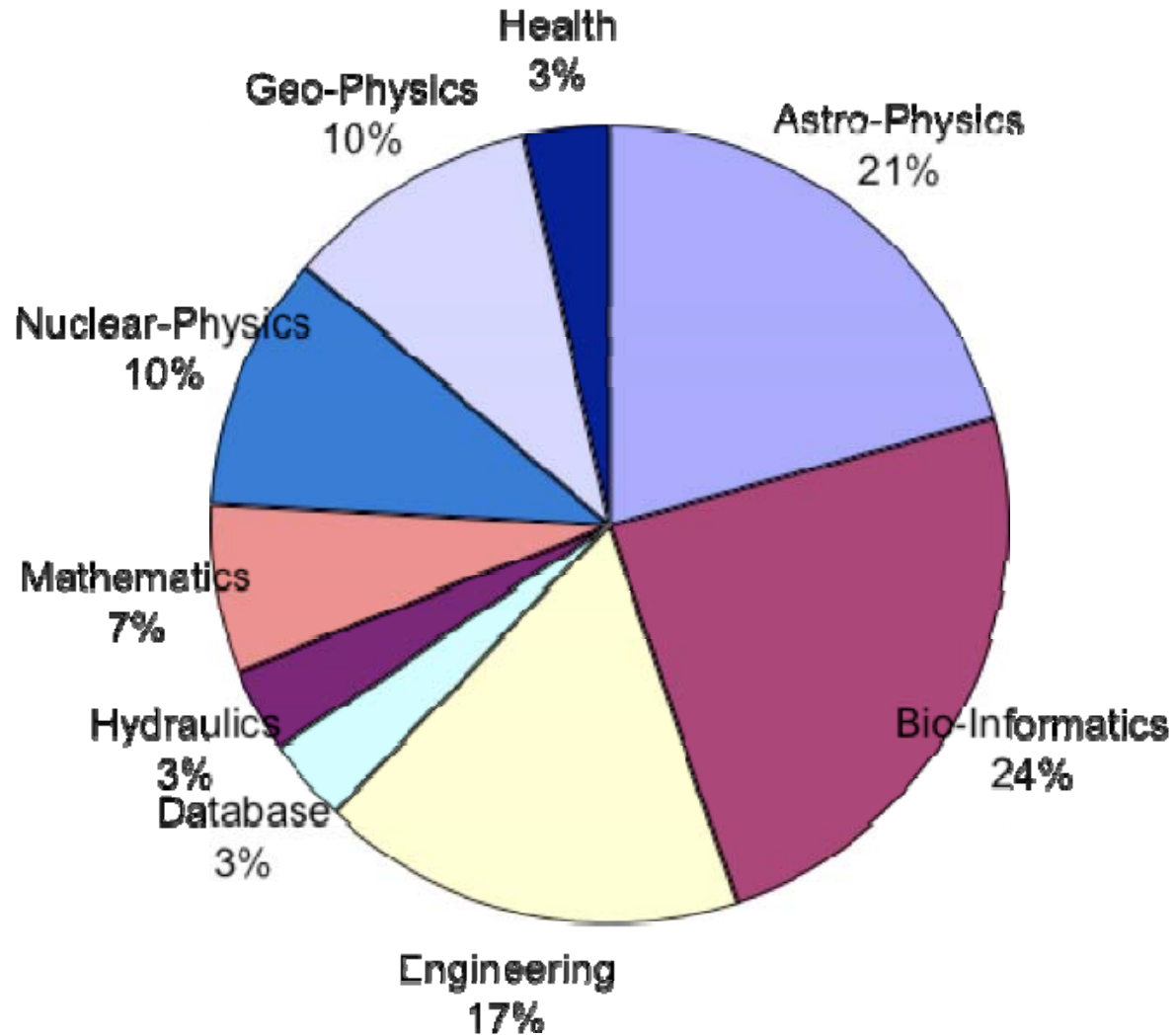
- **Course Content, Scheduling, Organisation**
- **All NA3 partners**
- **Maintain & enhance training resources developed in EGEEII**
- **Focus on:**
 - Application Developer
 - Site Administrator
 - Training the Trainer

- **Exemplar material to be maintained to reflect infrastructure development**
 - Partners encouraged to put forward potential ETF material
 - Added to Partner Metrics
- **Schedule appropriate & varied programme of courses**
 - To support development of applications (User Base)
- **Organise Train the trainer events**
 - To develop base of trainers as legacy (Sustainability)

- **TNA3.2a: Coordinated Trainer Support Systems**
- **Addresses problem of scalability**
- **Further development of digital library**
 - Note – Please upload presentations to Digital Library (NeSC)
- **Adobe Connect**
 - UEDIN
 - INFN, Catania
- **Creation of online learning modules**
 - Users subscribe to scheduled distance learning courses
 - Features
 - Courses range from one-off presentations -> larger scale schools
 - Online exercises (individual, group)
 - Forum based discussions (goals, outcomes, queries)
 - Assessments
 - Certifications?

- **TNA3.2b: Training Infrastructure provision**
- **Testbed**
 - Core services still at INFN but replicated at other sites
 - Increase both in the number of sites and CPU cores:
 - all partners involved in *TNA3.2b* should contribute with resources
- **Services**
 - all those existing will be maintained and improved
- **Events**
 - support to booked events will be always assured
- **Applications**
 - applications without a specific VO, or providing an exemplar for training will be supported

Scientific domains supported



- **TNA3.3: Activity Management and Partner Coordination**

- **Maintain & Enhance Training Induction activity**

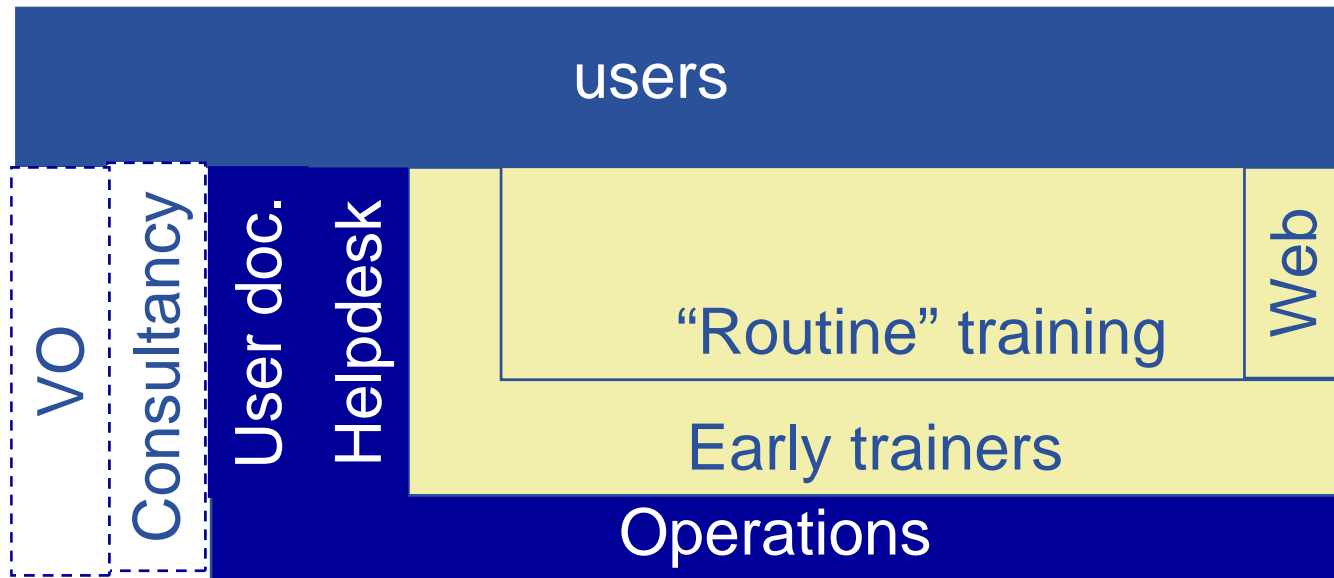
- **Activity manager**
- **Deputy Activity Manager**
- **Partner Coordinators – Federations**
 - SEE
 - SW
 - Central Europe
 - Russia
 - UK/I
 - Italy

DNA3.1	Training Plan	2
DNA3.2	t-Infrastructure development and exemplar report	9
DNA3.3	Training report and revised plan	11
DNA3.4	Final training report	12

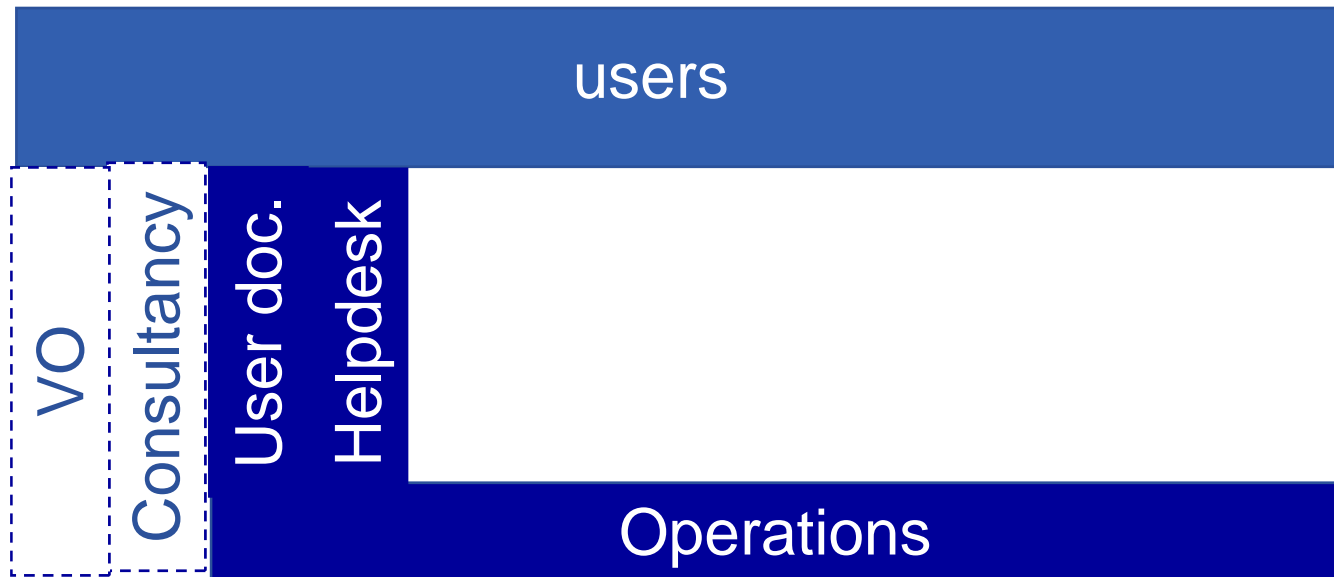
MNA3.1	Activity Quality Assurance and Measurement plan	2
MNA3.2	Report on Trainer accreditation	10
MNA3.3	Index of available eLearning modules and t-Infrastructure integration	11
MNA3.4	List of eLearning courses provided	18

Role of The Trainer

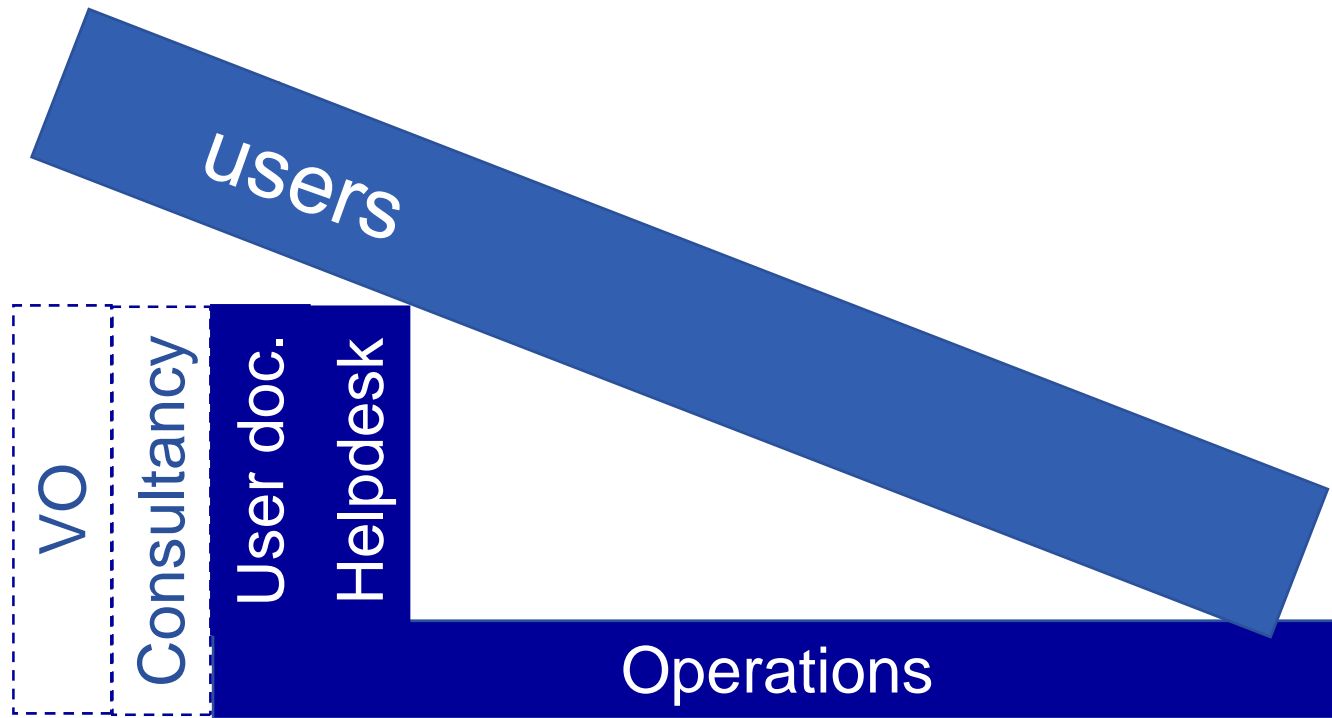
- EGEE Goal: many effective and active users in many locations
- Technology is supported by a small number of people
- Training helps to make this feasible and scalable



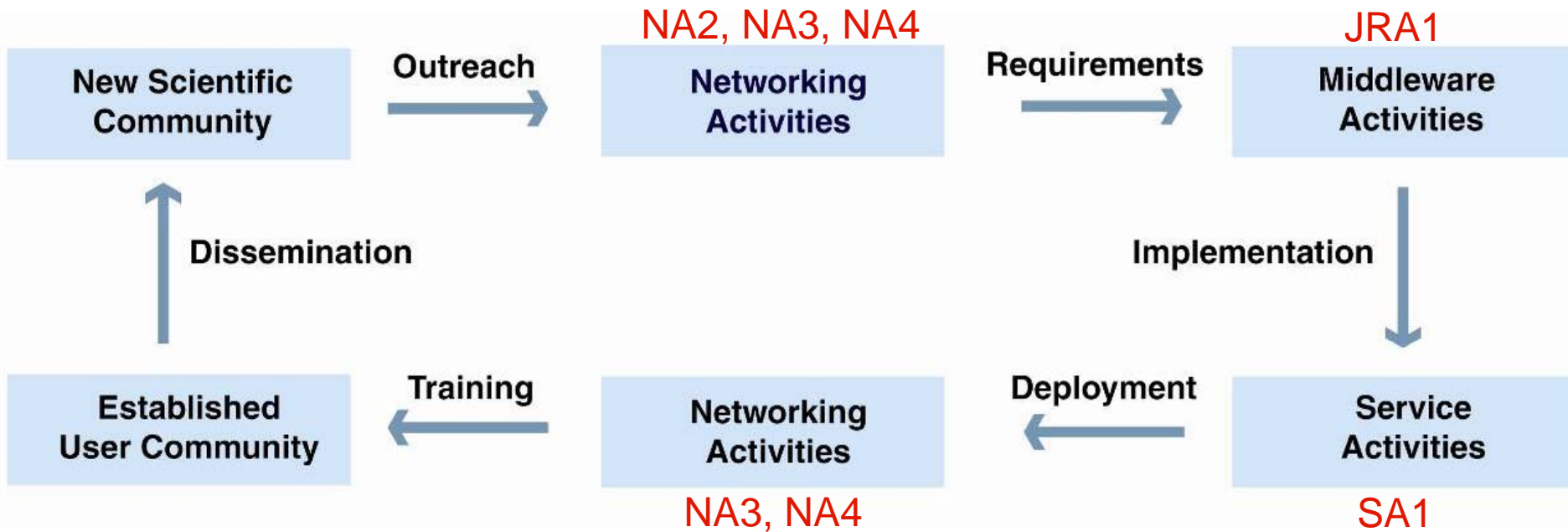
- Users uninformed, Support staff overloaded



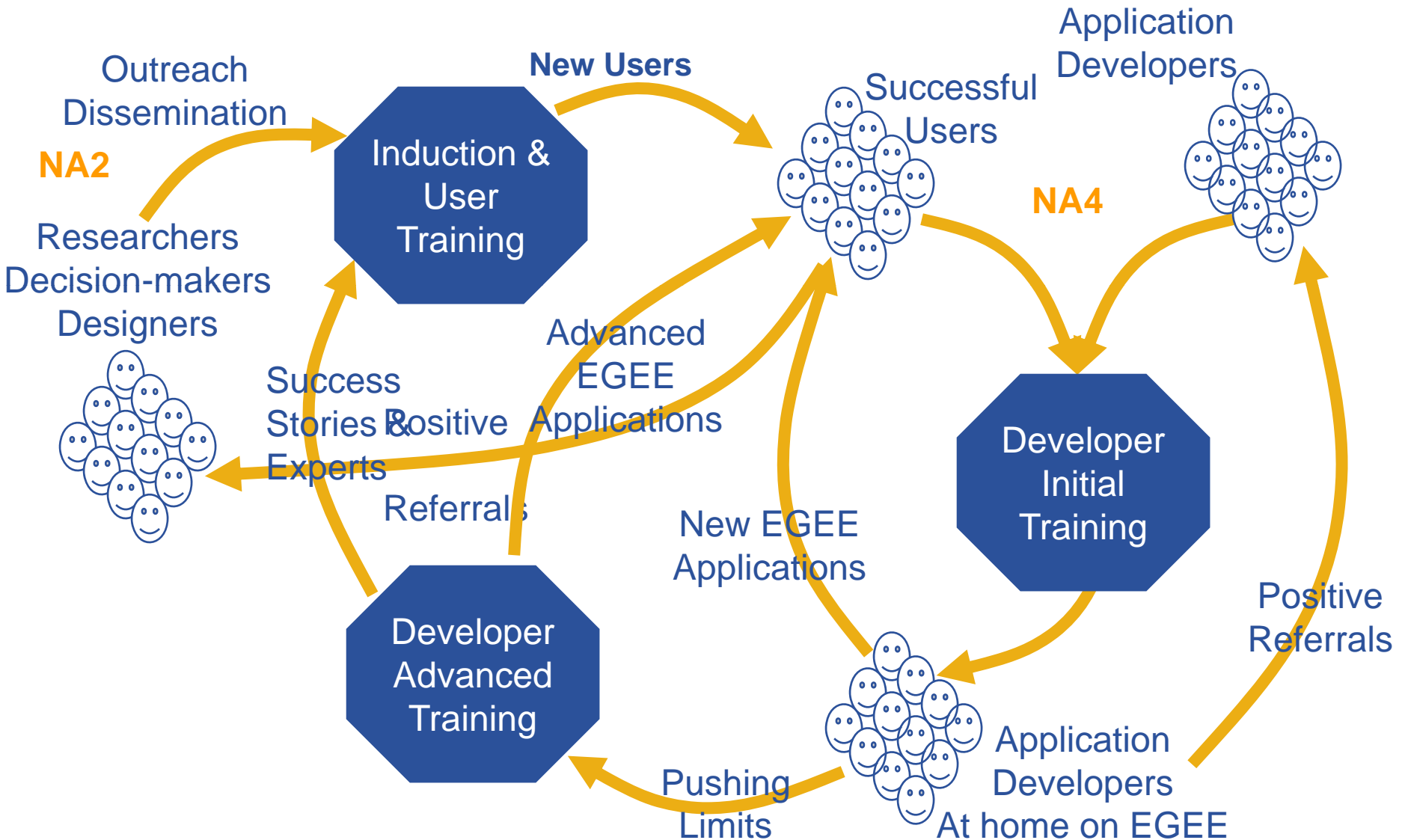
- Users uninformed, Support staff overloaded
- Downward slope



- **Illustrate impact of training in EGEE achieving its goals of uptake by diverse user communities**
- **Two representations of this follow...**

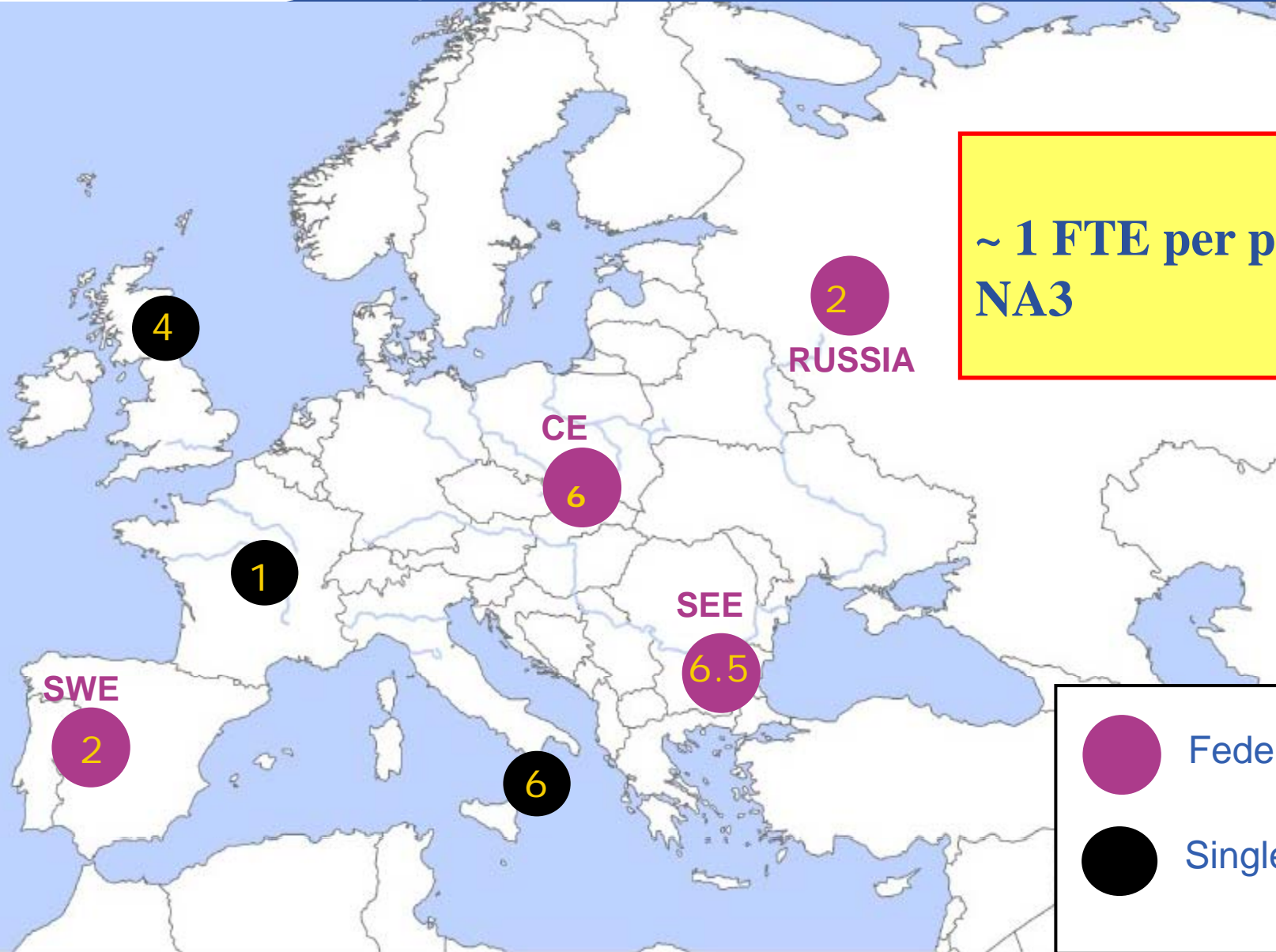


Building effective user communities



- **29 Active partners (vs. 32 in EGEE)**
- **~ 29 FTEs (~7% of project budget)**
- **89 Individuals**
- **6 Federations**





~ 1 FTE per partner in NA3

-  Federation
-  Single partner

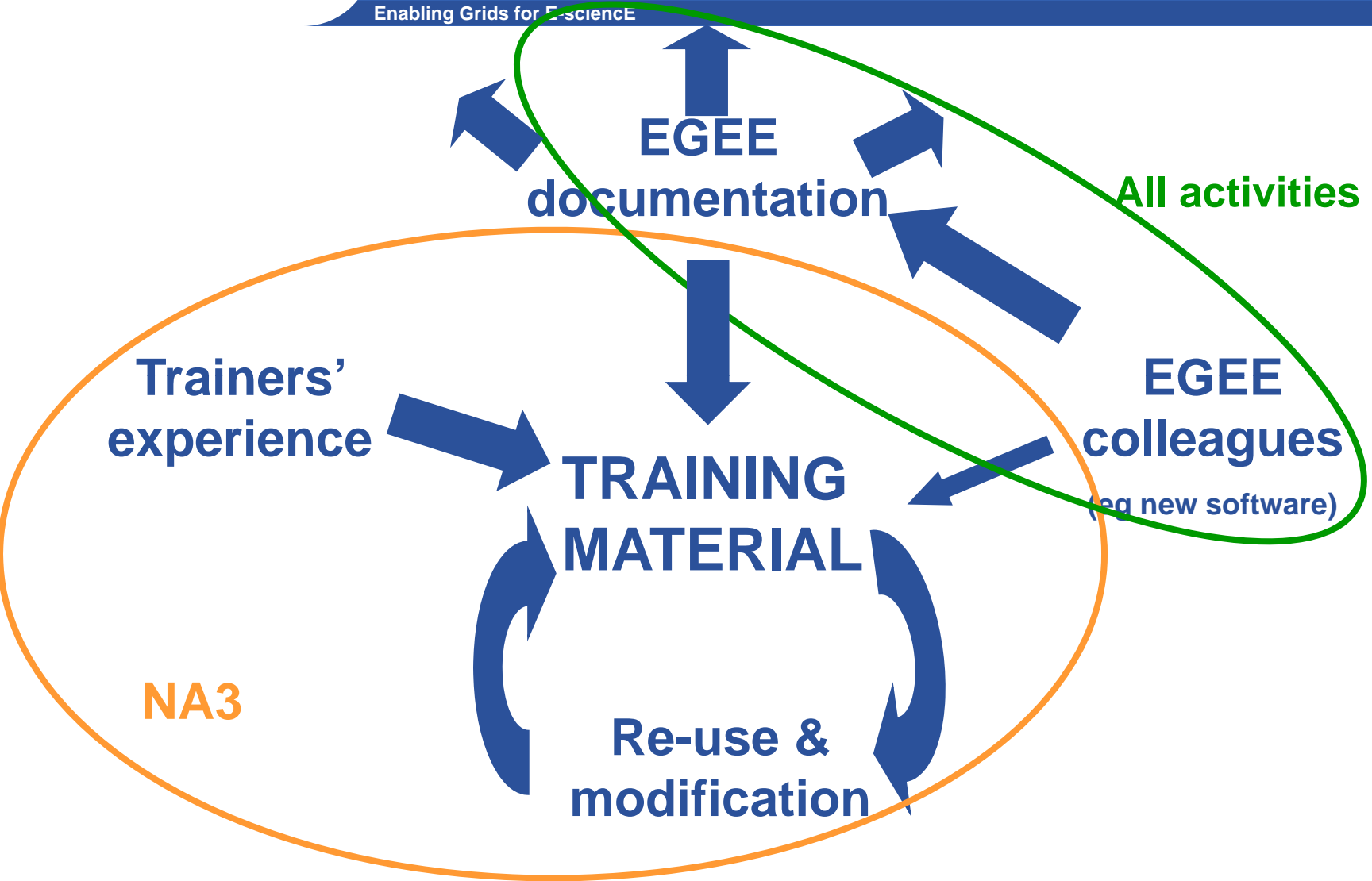
- Reinforce the "Training the Trainer" events in the remainder of the project to ensure a sufficient number of high quality trainers remains available in the future to cover the diversifying and even more demanding training topics.
- Expand the training activities for Grid infrastructure administrators and application developers.

Editorial Task Force

- **The goal of the Editorial Task Force is to collate and select material that is of particular value for trainers preparing future courses**
 - Generic to EGEE training
 - i.e. not concerned with federation-specific training
- **Current focus**
 - Maintaining selection of induction material
 - Collating material for application developer courses
- **For information see**
<http://www.egee.nesc.ac.uk/NA3ETF/>

Trainers' sources of material





- **Induction**
 - Modules considered to be in “maintenance mode”
 - An “ETF exemplar” course exists in Digital library
 - Material presented today
- **Application Developer**
 - gLite induction
 - RESPECT
- **Sys admin courses**
 - Installation courses
 - Security
- **Training-the-Trainer**
 - Supporting NA3 trainers

- **NA3 home page**
 - <http://egee.nesc.ac.uk>
- **EGEE Digital Library**
 - <http://egee.lib.ed.ac.uk/>
- **GILDA training infrastructure**
 - <https://gilda.ct.infn.it/>

- **29 partners, 29 FTES and 89 individuals in NA3**
- **Goal of Training:**
to establish effective, self-sustaining user communities
 - Able to use EGEE services
 - Able to train their own members
 - Increasing sophistication and uptake of own applications
- **Support for trainers includes**
 - Editorial Task Force
 - EGEE Digital Library for training material
 - NA3 webpages (events list, previous agendas)