



Enabling Grids for E-science

# NA3: Training and Induction

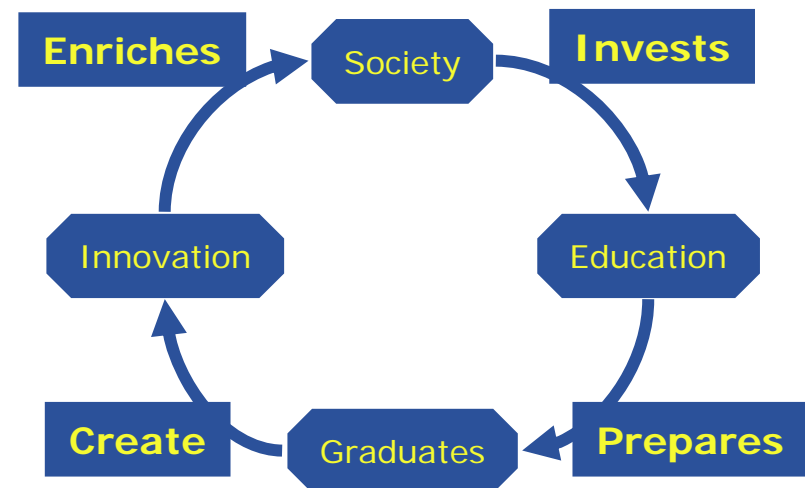
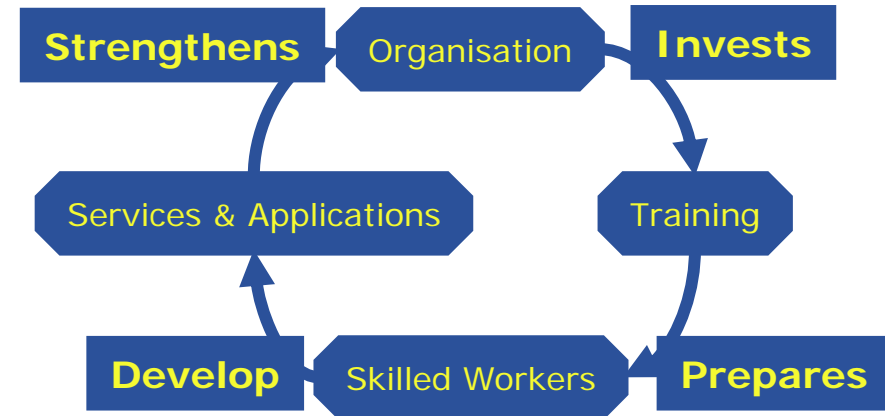
*EGEE/EGEE-II transition meeting*

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[www.eu-egee.org](http://www.eu-egee.org)



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



- 1. Grid Infrastructure across ERA & the globe**
- 2. Simultaneously many applications from diverse domains**
- 3. Spread knowledge about the Grid and its benefits**
- 4. Link national, regional and thematic Grid efforts**
- 5. Provide interoperability with other Grids**
- 6. EGEE-II will coordinate related Grid projects**
- 7. Pave the way for a long-term sustainable Grid**
- 8. Knowledge developed available in years to come**

Taken from the Description of Work abstract

- **Target a full breadth of disciplines & industry**
- **Induction and training of EGEE e-Infrastructure users**
  - Recognise & serve different user communities
    - Specialisation for disciplines in conjunction with VOs
    - Support for projects which EGEE-II aspires to coordinate
    - Support for Regional, National & Thematic Grid Initiatives
  - Recognise & support levels of maturity
    - Interested but not yet committed
    - Novice users to Experts
  - Recognise & support different roles
    - Users of applications & portals
    - Developers and Deployers of Applications and Services
    - Creators, Providers and Curators of Data and Information
    - Staff establishing and administering production service operations
    - Staff providing User Support (GGUS) and Technical Writers

**In conjunction with all other activities in EGEE-II & other projects**

- **The potential users of ERA e-Infrastructure**
  - Are very numerous
  - Diverse
  - Geographically dispersed
  - And likely to avalanche as the Grid takes off
- **NA3 is a small group with limited capacity**
  - Approximately 1 person/country in the ERA
  - Limited knowledge of disciplines
  - Uneven geographic distribution
  - Requests to serve global outreach will continue / expand

- **Structured roles in NA3**
  - Edinburgh NA3 management will focus support services
  - Regions will
    - Engage in systematic requirements capture
    - Running events to match local requirements
    - Developing trainers & training material
    - Undertake *defined* roles with discipline × maturity × role
- **Trend to Services to Enable Others**
  - Enable self-paced learning
  - Shared supported t-Infrastructure
  - Expert advice
- **Memoranda of Understanding**
  - With VOs & Projects – working with NA4
- **Strategic Alliances**
  - E.g. Education & Training CG at GGF

**These require investment of significant effort**

***Managed Flexibility & Responsiveness will be essential***

- **Systematic collection of evaluations are essential**

- Student exit evaluations
- Staff evaluations
- Follow up surveys



**These require better supported procedures**

- **Analysis and Follow up**

- **Training material Editorial Task Force**

- Selection of recommended material
- Feedback to authors & improvements

**These require engagement & data from partners**



- **Recognition of staff with Training Certifications**

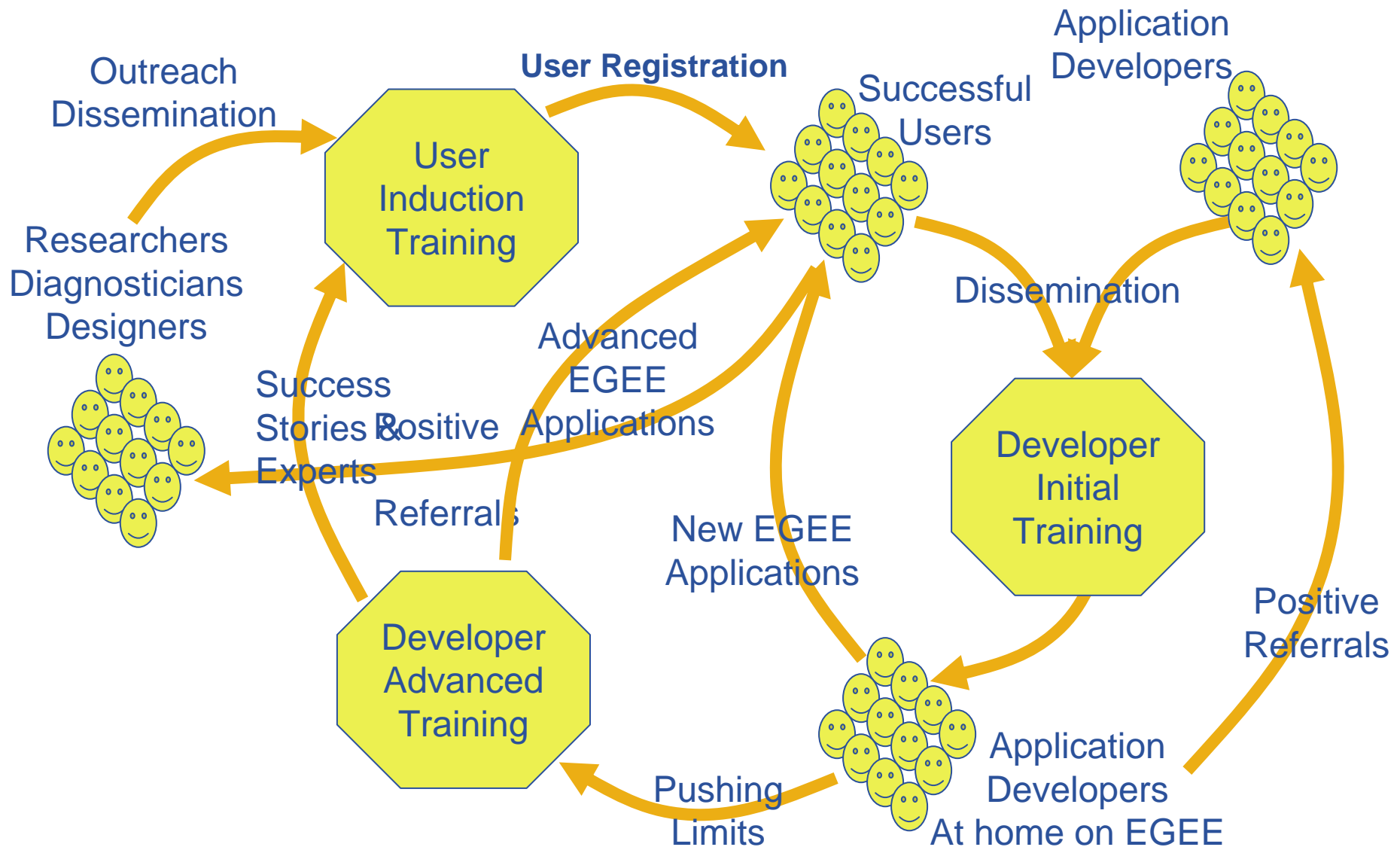
- New process being established
- Existing experienced trainers will be fast tracked



- **Annotated and well-organised training material**

- Better metadata for easier access

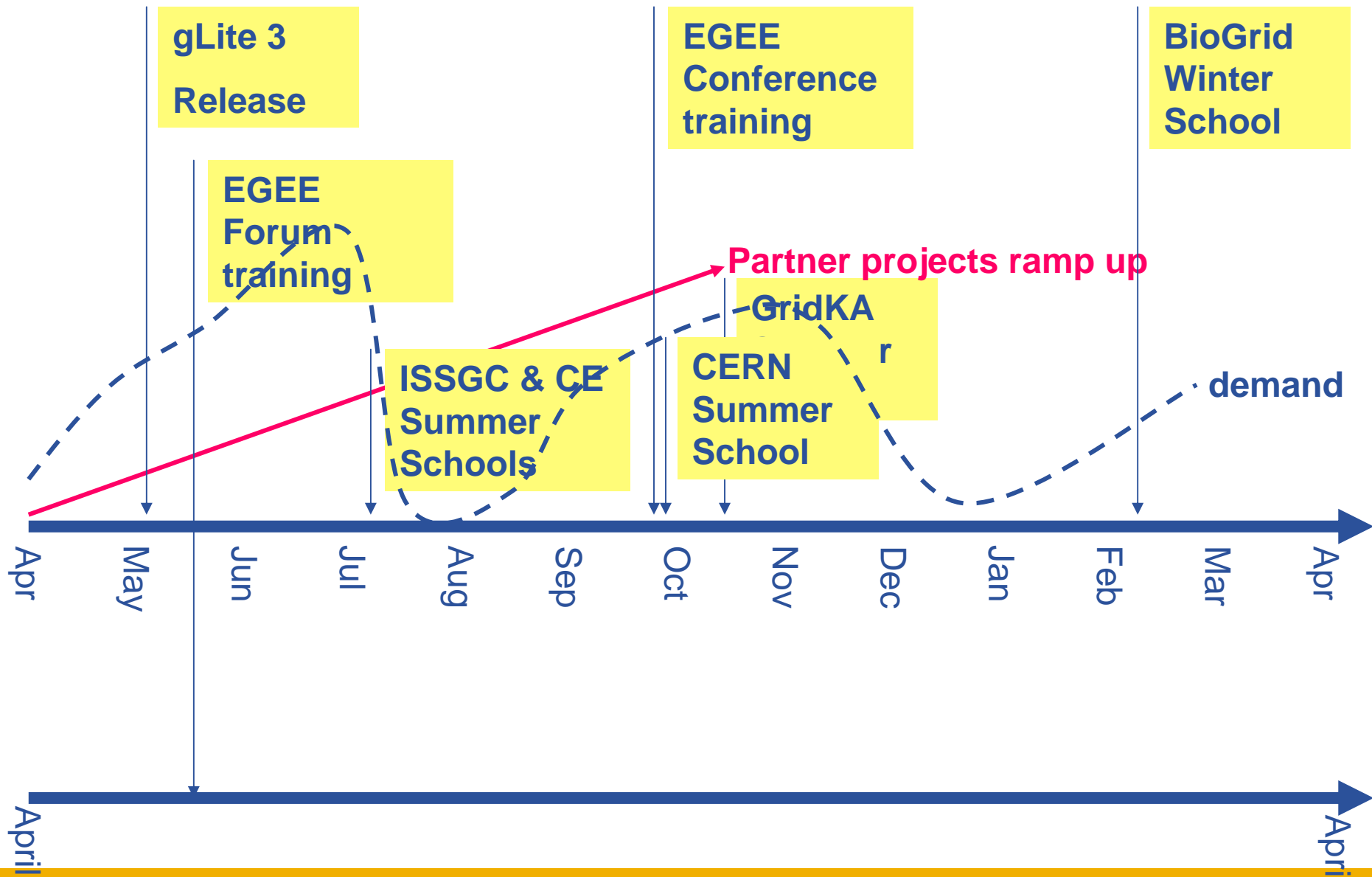
# Trainers power Virtuous Cycles



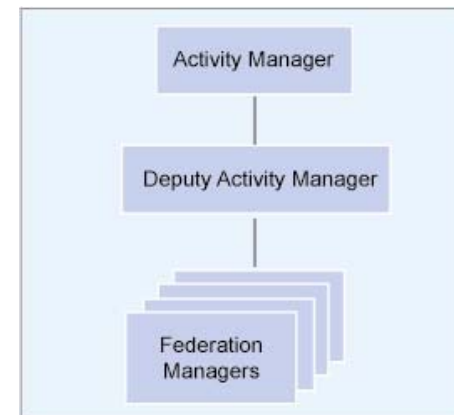


- **Overall Target 1500 course participants**
  - Larger proportion advanced & tailored courses
  - Aim to exceed the target by a substantial factor again
- **Metrics**
  - Each partner *must* return information
  - Their performance will be assessed against the following metrics
    - Twice annual requirements for **training information** produced
    - **NA3** recognised courses organised & evaluations returned
    - Training sessions where partner provided **lead trainer**
    - Training sessions where partner provided **support trainer**
    - **Services** (e.g. t-Infrastructure) provided & supported
    - **Training material** produced or edited
    - Engagement in **Editorial Board & QA** processes
    - **UIG** leadership & technical writing contributions
  - NA3 management will provide details & data input forms

If you didn't report it, you didn't do it!



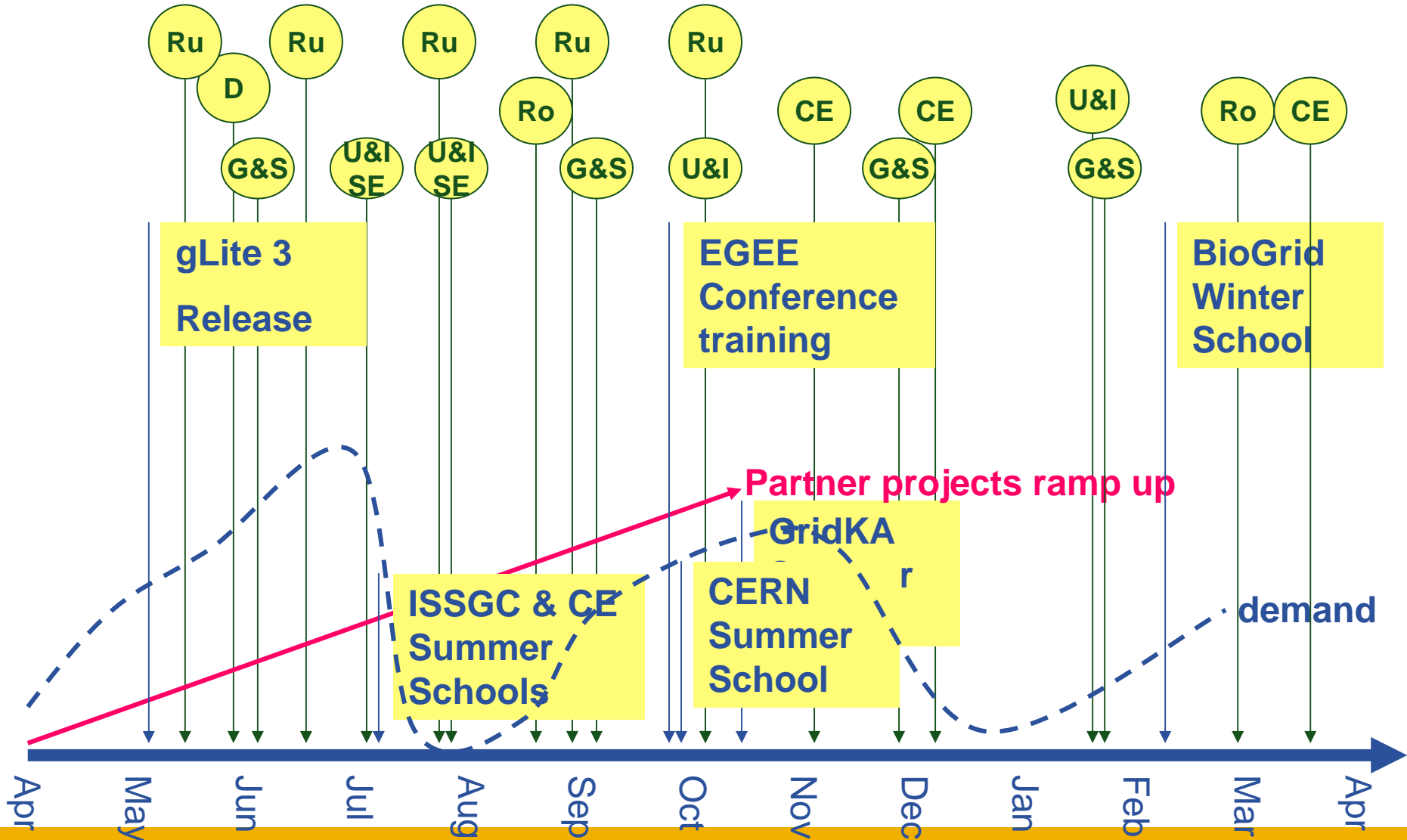
- **All Federations Identify a Leader**
  - Leader is local coordinator
  - Interface to NA3 management
- **Most have identified Leader**
  - & Answered 6 planning questions
- **Others *MUST* answer our email immediately**
  - To develop an integrated plan
  - To ensure we have effective communication paths



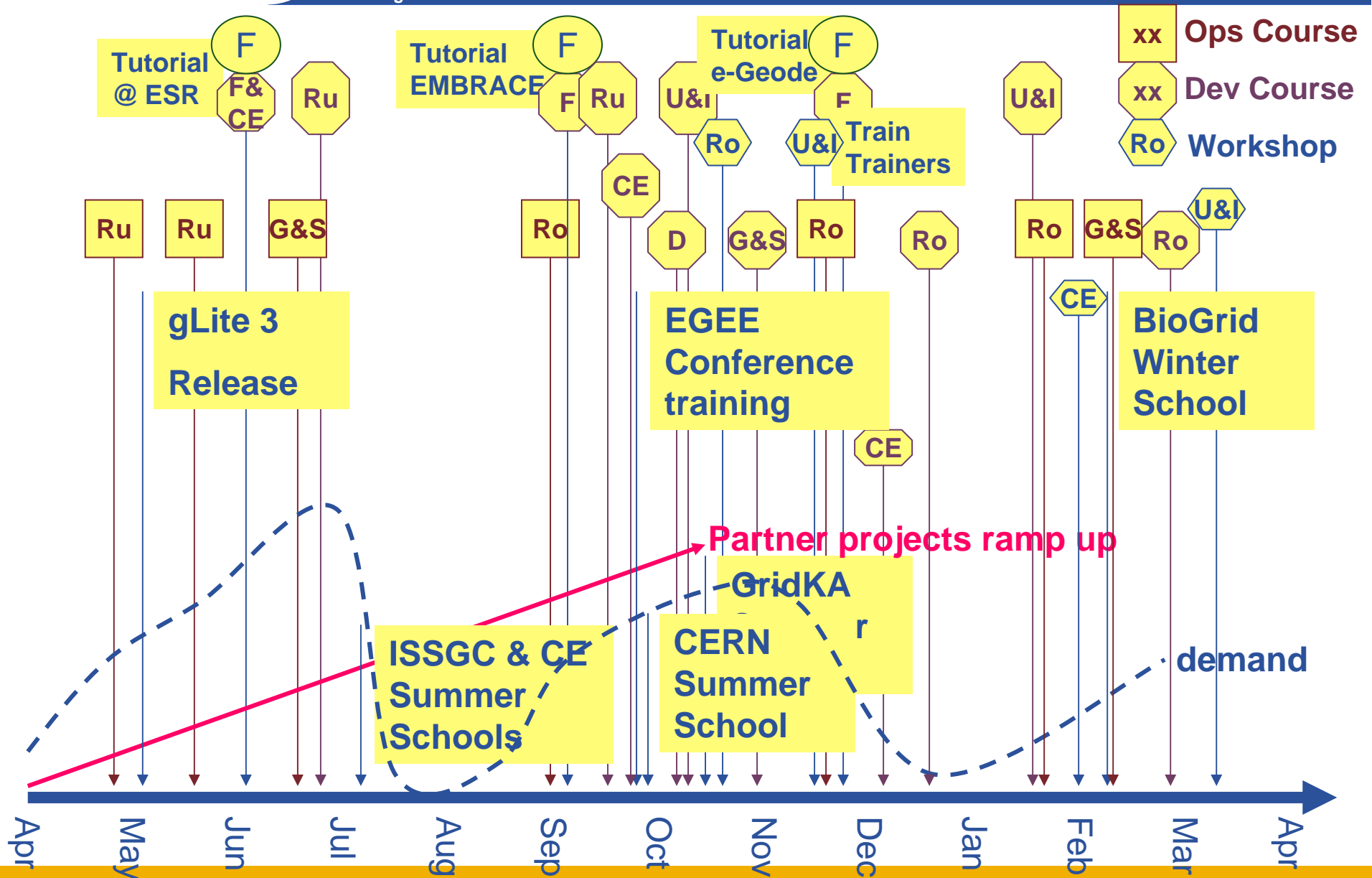
Central Eu	SZTAKI, G.Sipos	Israel	TAU, D. Horne	Russia	IHEP, E. Slabospitskaya
Denmark (NE)	TBA	Italy	INFN, R. Barbera	SEE	
France	Clermont F. F. Jacq			Spain & Portugal	CISIC J. Salt
Germany & Switzerland	FZK, R. Berlich	Romania		UK & Ireland	Edinburgh M. Mineter

# NA3: Regional Commitments

 Induction Course



# NA3: Regional Commitments



- **TNA3.1: Course content creation and delivery**
- **TNA3.2: Training course scheduling**
- **TNA3.3: e-Learning development and maintenance**
- **TNA3.4: Training event organisation**
- **TNA3.5: Translation of training material**
- **TNA3.6: Activity management and partner coordination**
- **TNA3.7: Quality assurance**
- **TNA3.8 : t-Infrastructure development and maintenance**

<b>3.1</b>	<b>Training Policy and Group report</b>	<b>6</b>
<b>3.2</b>	<b>Commercial grid training market survey</b>	<b>8</b>
<b>3.3.1</b>	<b>Training Report and revised plan</b>	<b>11</b>
<b>3.4</b>	<b>Report on training Support for VOs and External Projects</b>	<b>14</b>
<b>3.3.2</b>	<b>Training report</b>	<b>22</b>

3.1.1	<b>Training plan</b>	1
3.2.1	e-Learning plan	2
3.3.1	t-infrastructure plan	3
3.4.1	Virtual organisation and external project support plan	4
3.2.2	Development of enhanced e-learning facilities and report	5
3.4.2	Compilation of trainers directory	6
3.4.3	Training requirements survey	6
3.4.4	Training follow-on survey	9
3.3.2	Development of enhanced t-infrastructure facilities	11
3.4.5	Training Requirements Survey	18



- **Keep NA3 Management Informed at ALL TIMES**
  - Planning & scheduling events – needed for getting support
  - Approval as an NA3 event – needed for reporting
  - Evaluations for QA and planning
  - Requirements capture & Analysis
- **Approval & Certification of Trainers**
  - Notification & training CVs + Training evaluation
    - Certification as recognition of quality
- **Training Material Collection & Improvement**
  - Supply material: curricula, slide sets, trainers' & Students' notes, exercises, recorded lectures
    - MUST provide good metadata
  - Comment on material
  - Editorial Board: help & respond
- **Agreed domains of expertise**
  - Negotiation & then imposition – MUST cover requirements
- **Engagement in Collaboration Support**
  - Identified channels with activities, projects & communities

- **In EGEE we did well**
- **We want to do even better**
  - Challenge to deliver, adapt & share work load
- **Improved support, management and procedures**
  - Be recognised for quality
  - So people support us & join in
  - So we are seen as an essential community for long-term sustained e-Infrastructures
- **Established, recognised & recorded collaboration**
  - We aspire to continue to grow our presence as a hub for all the training efforts in other projects
- **In the long term**
  - We enable others