

EGEE NA3 Report - German / Swiss Federation -

*Dr. Rüdiger Berlich / Forschungszentrum Karlsruhe
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- Forschungszentrum Karlsruhe is responsible for organising and or running of Grid Training activities for the **German/Swiss federation**
- So far **27 trainings** held in or by DECH federation since April 2004
- Approximately **600 people trained**
- Major annual event is GridKa School. In 2006:
 - **27 talks**
 - **5 different courses**
- Upcoming courses:
 - **GridKa School'07**
 - **PLEASE register your interest in a course**

- **First attempts to contact HEP community** (worked quite well, but with new calls fewer and fewer people answered)
- **Open invitations** (didn't work)
- **Approaching people at conferences** (didn't work)
- **General Physics Schools** (**didn't work well**, in the end the same people attended that would ordinarily attend such an event)
- **Organisation of central training event** (**worked VERY well**)
- **PROPOSAL: Identify major conferences of particular communities and approach organisers about co-hosting a training event.**

Means to

- get people that are interested to a central location rather than visiting people that *might* be interested
- gets people from the community to talk to each other
- helps to identify people willing to help with courses (important if there are not many people doing training in your organisation)
- cross-fertilization of different activities (D-Grid and EGEE in the case of GridKa School)
- COSTS significant funds (9000 Euros in the case of GridKa School, plus approx. 7000 Euros donated by sponsors – Microsoft, IBM, Wolfram Research)

Individual presentations ...

egee Creating Grids for Education **Certificates and proxies**

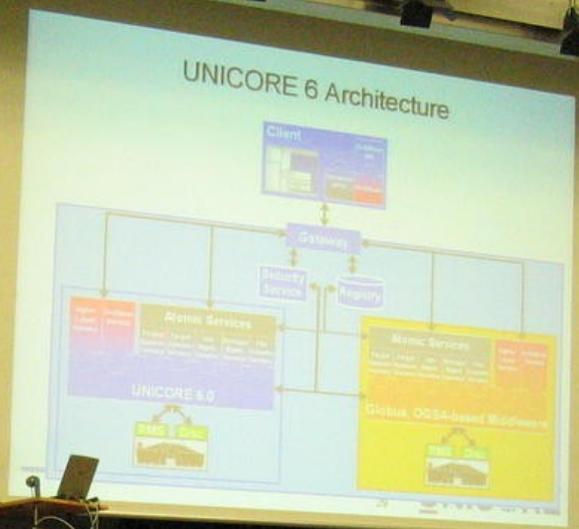
- **Your Certificate is encrypted with a passport**
 - How to handle this when you submit a multitude of jobs that travel through the Grid?
- **You create a Proxy**
 - "Mini"-Certificate: Your certificate acts as CA for the proxy
 - Proxy has no password
 - Proxy propagates through the Grid
 - Only limited lifetime (24h e.g.)
- **Proxy allows for Single-Sign-On**
- **If your Certificate is stolen/hacked: Please alarm CA!**

egee - Grids for Education Yves Kemp Günther Schmal 2006

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... and lectures on varying topics

... NOT only EGEE .



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WS GRAM (GT4) Command Line Tools

Interactive job submission

```
globusrun-ws -submit -F JobFactoryURL  
-Ft FactoryType -s -q -c command
```

Batch job submission

```
globusrun-ws -submit -batch -F JobFactoryURL  
-Ft FactoryType -o EPRfile -c command
```

Checking job status

```
globusrun-ws -status -j EPRfile
```

Kill a job

```
globusrun-ws -kill -j EPRfile
```





Hands-on sessions in parallel

... and people working heavily to reach a goal



egee

What will grids be for?

New infrastructure for "service-oriented research"

- Grids permit collaborative "virtual computing"
- Improvise cooperation
- People with shared goals

Grids allow research with best models, data, timeliness, ...

- Take these concepts a step further





Don't underestimate the importance of social networking



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