



HAMBURG • ZEUTHEN

# **Other topics, (Some) open questions & Next steps**

**Yves Kemp**

**DESY IT**

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**Kick-off Workshop**

**Physics at the Terascale**

# Data privacy



- **NAF: Different experiments share the same resources**
- **People want to have private space**
- **Data privacy must be guaranteed at different levels!**
  - **AFS: Very fine grained: ACLs**
  - **dCache: ACLs being implemented right now, productive in ~6 month. Now: Very coarse grained**
  - **Lustre: in test setup only coarse grained, maybe ACLs in 1.8???**
- **Experiments & NAF-Operators:**
  - **Access-matrix to be worked out (What areas should there be, and who can access them?)**

- **Some database services already running:**
  - CMS squid server (small database)
- **Next year(s):**
  - Watch CMS squid: Employ Frontier techniques if resources of single machine fail.
  - Atlas: TAG DB: ~1.5 TB/year, Conditions DB ?TB/year:
    - Other experiments have used similar techniques successfully for analysis
    - This order of magnitude is new
    - Exact scheme still to be settled, 3D project ongoing
    - Not planned part of first setup. We will closely watch ongoing efforts/plans at T1 (GridKa), coordinate with these
  - CMS: Plans for TAG DB? Other DBs?

# PROOF @ NAF:

- **PROOF: Very promising technique**
- **Still under development: See PROOF workshop last week**
- **Open questions for utilization at NAF:**
  - **Best access to data?**
  - **Exchange of data “PROOF-pool” ↔ Mass storage?**
  - **Handling concurrent user access?**
- **These issues are currently being worked on by others (PROOF, Alice, ...)**
  - **Closely follow activities**
  - **Planning for a test setup in early 2008**
  - **Collaborating with other PROOF experts in Germany**
- **Are the experiments and their frameworks PROOF-ready?**

# Support model:



- **What is support?**
  - User support for different levels of problems
  - Experiment specific tasks within NAF
  - Contact NAF-Operators ↔ Experiments
  - ...
- **Bottomline:**
  - Experiments must get involved in support!
  - DESY can provide some technical help
  - DESY IT/DV people will act as second-level support
  - Can DESY IT/DV provide first-level-support (UCO?)
  - What is the place of the GGUS system?

# Next steps / timeline

- **NAF not a “one-time-shot”: Iterative process with possibilities to change system when knowledge grows and new techniques become available**
- **How to handle this iterative process?**
- **Who are the contact persons from all involved parties?**
  - **Discussions about technicalities**
- **At what timescale will this evolve?**