Status of GridKa for LCG-1

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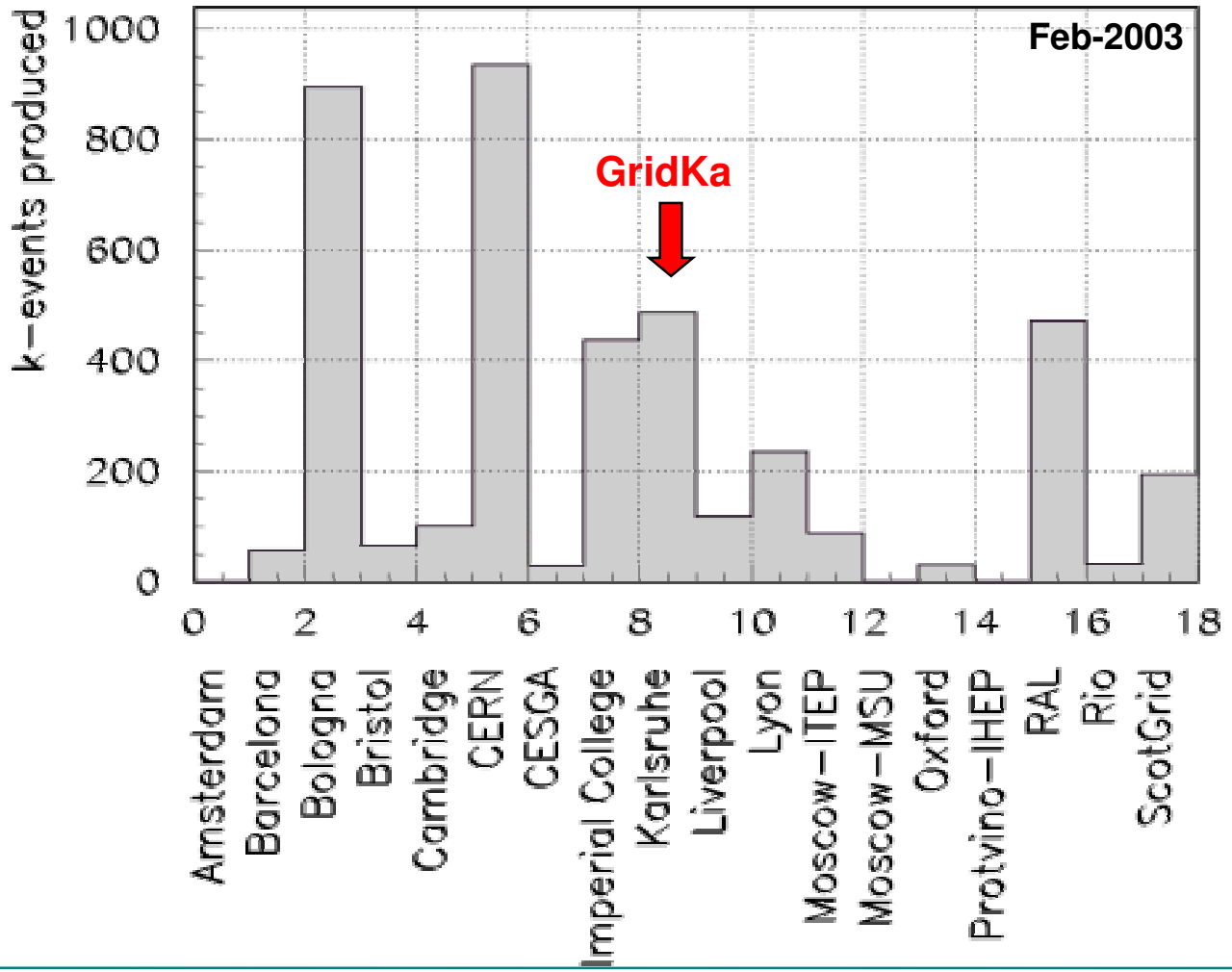
GridKa Today

- production environment for BaBar, CDF, D0, Compass
- test environment for Alice, Atlas, CMS, LHCb

All experiments are up and running !

- BaBar upgrades to Tier-A in Karlsruhe
- D0 established Regional Analysis Centre (RAC) in Karlsruhe

Latest statistics: LHCb running production



Hardware in Production Environment for HEP

- dedicated software server for each experiment
- dedicated Gbit-LAN backbone
- 360 processors, mixed PIII & PIV (equiv. > 21 kSI95)
  - OpenPBS; fair share between all experiments
- dedicated 45 TB disk
- dedicated 110 TB tape
- Gbit-test over DFN/Géant with Cern

⇨ **resource distribution acc. to table communicated to GDB**

Planned Hardware Upgrades

• LAN backbone to 190 ports, 256 Gbit/s ordered for	April/May
• + 140 processors PIV ordered for	April/May
• + 2x 10 TB disk ordered for	April/May
• running European call for tenders for + 60 TB disk in 2003	July/Oct
• tape to be purchased	on demand

⇨ **hardware upgrades might interfere with LCG-1 implementation**

LCG-1 Testbed

- ~ 10 nodes available for LCG-1 testbed; currently RH 7.2
- tests for RH 7.3 under development
- person for LCG testbed maintenance hired (starts on April 1st)
- experience from DataGrid & CrossGrid available
  (2 CrossGrid testbeds in Karlsruhe up and running)
- German-Grid CA running & widely accepted
- LCG-1 to be ported to GridKa production environment
  after operation, stability & security has been demonstrated !

LCG-1 Summary

- **April 30: GridKa TAB is aware of the date**
- **Waiting for technical specifications & software prototype**

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