



# Status Report on Alice Russian Sites participation in the PDC04

Meeting of the Russia-CERN Joint Working  
Group on Computing

**Galina Shabratova**

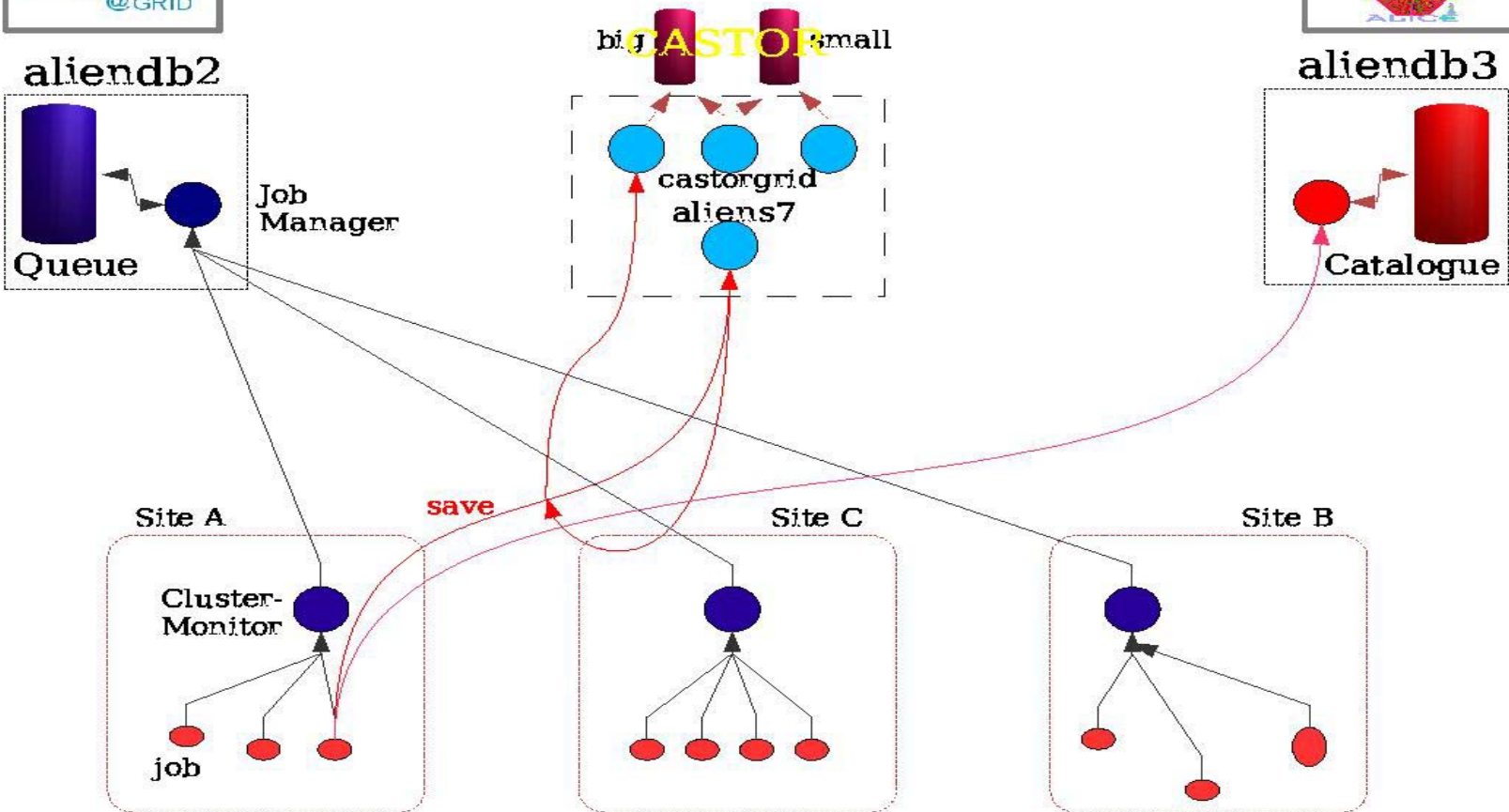
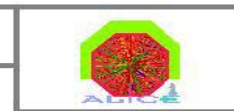
19 March 2004, CERN



# General scheme of the Alice Physics Data Challenge processing today

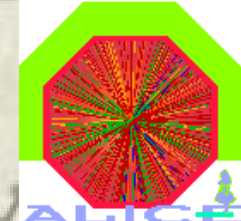


Andreas J. Peters CERN/Geneva @ Offline Week 3/2004





# AliEn sites in Russia today



AliEn sites	Status at 25.09.03	Today status	Max. jobs	Disk capacity for Alice (TB)	Tape capacity for Alice (TB)	Remarks
IHEP	Client of ALICE & alien-russ VO	Client of ALICE & alien-russ VO	20	0.4	0.4-1	Configured for DC today, some problems
ITEP		Client of ALICE VO	24	1.8		Configured for DC today, some problems
JINR	Client of ALICE VO & server alien-russ	Client of ALICE VO & server alien-russ	30	1		Configured for DC today, successfully run
KIAE	Client of ALICE VO at a single PC		48	1		
PNPI		Client alien-russ VO	5	0.1		
SINP MSU		Client of ALICE VO	20	0.4	0.65	
SPtSU	Client of ALICE & alien-russ VO	Client of ALICE & alien-russ VO	9	0.5		

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# Milestones



When	Fraction of final* capacity (%)	Physics Objective
06/01 – 12/01	1%	pp studies, reconstruction of TPC and ITS
06/02 – 12/02	5%	First test of the complete chain from simulation to reconstruction for the PPR / Simple analysis tools / Digits in ROOT format
01/04 – 06/04	10%	Complete chain used for trigger studies / Prototype of the analysis tools / Comparison with parametrized Monte-Carlo / Simulated raw data
01/06 – 06/06	20%	Test of the final system for reconstruction and analysis

\* Fraction of events simulated in one year of standard data taking



# Participation of Russian ALICE sites at first step of DC



Site	Done	Run	Save	Zomb.	Queue	Error
Catania::PBS	992	20	0	0	5	75
CCIN2P3::BQS	1701	67	1	0	30	620
CERN::LCG	5819	561	2	7	106	2621
CERN::LXSHARE	7149	29			14	47
CERN::Oplapro	57	0	0	0	0	0
CNAF::PBS	368	98	2	0	0	45
Cyfronet::PBS	74	0	0	0	0	200
FZK::PBS	6252	99	0	0	25	313
GSI::LSF	15	0	0	0	0	0
IHEP::PBS	0	0	0	0	3	0
ITEP::RRC	2	0	0	0	0	477
JINR::PBS	178	24	0	0	6	52
LBL::LSF	683	47	1	0	2	95
Torino :: LCG	1732	0	0	0	0	171
OSC::PBS	539	30	0	0	10	88
Prague::PBS	3261	36	0	1	5	198
Torino::PBS	3108	49	1	0	0	75

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# Brief analysis of available now data on DC



Done jobs by Russian sites ~ 0.5%

Run jobs in session by Russian sites ~2%

Error jobs averaged over all sites ~15%

Error jobs at Russian sites ~29%

*possible explanation – a RAM capacity of 2 processors batch  
node=512MB is insufficient for processing of two AliRoot jobs. Large  
swap.*



# Conclusions



*Few Russian sites of ALICE started in Physic Data Challenge 2004*

## To Do

- To configure more sites for participation in DC2004, add its to run after test and possible update of the AliEn installation
- To install the AliEn-LCG2 interface at JINR and m.b. other sites. Run DC under this environment.