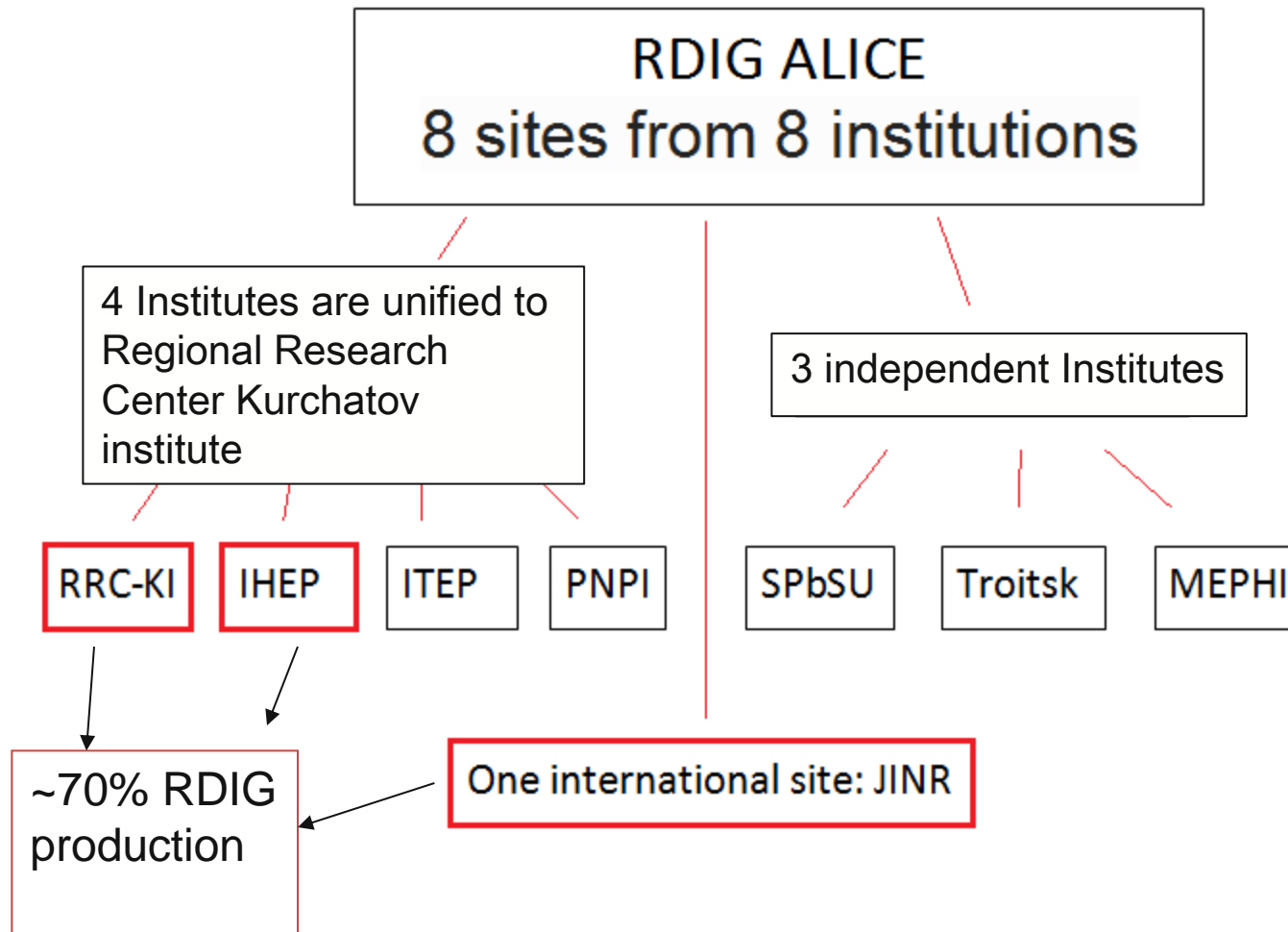




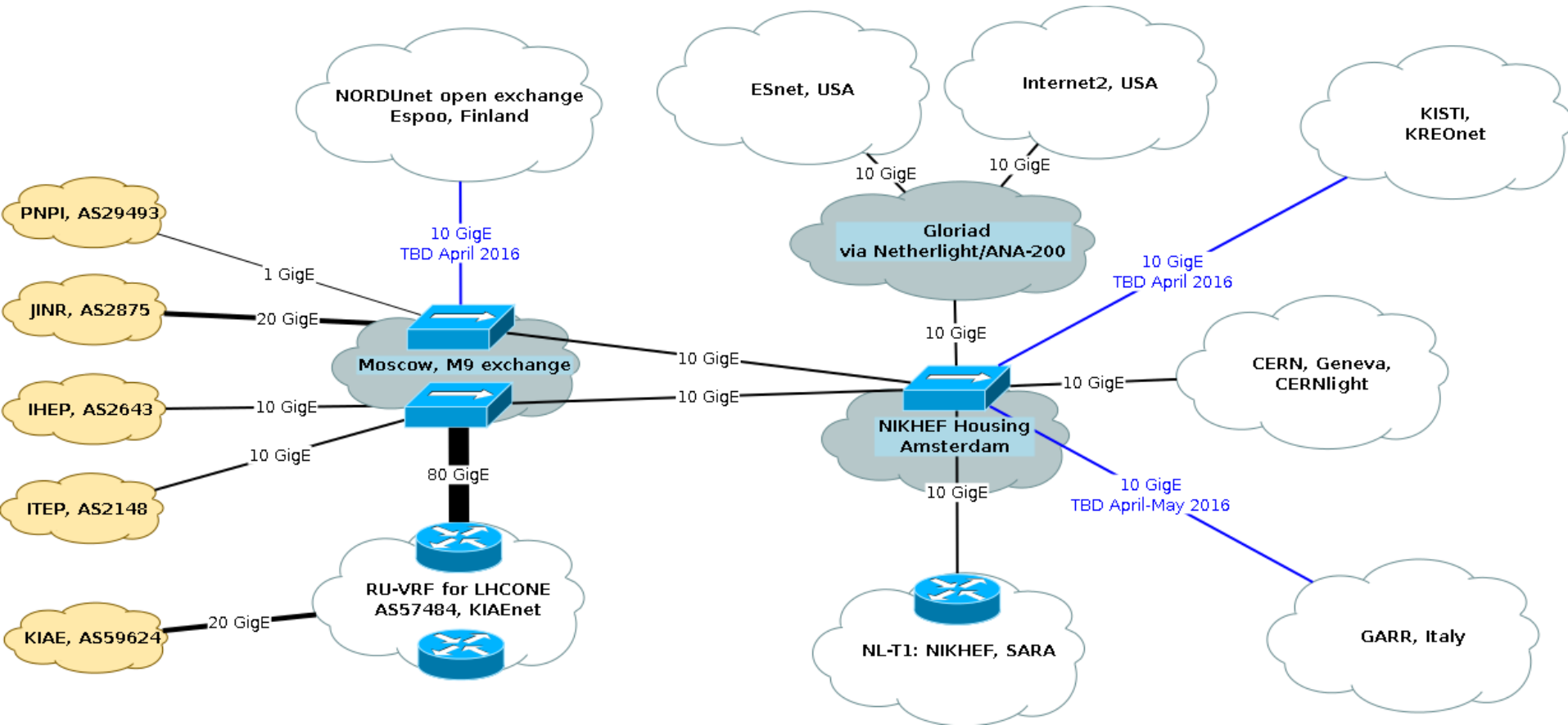
Operations and plans - RDIG T2s

Andrey Zarochentsev (SPbSU, St. Petersburg),
Gleb Stiforov (JINR, Dubna) and Victor Kotliar
(IHEP, Moscow).

RDIG administrative structure



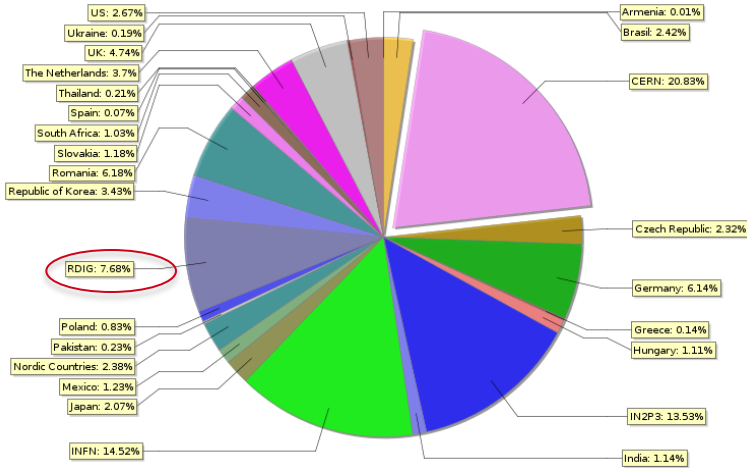
Network topology



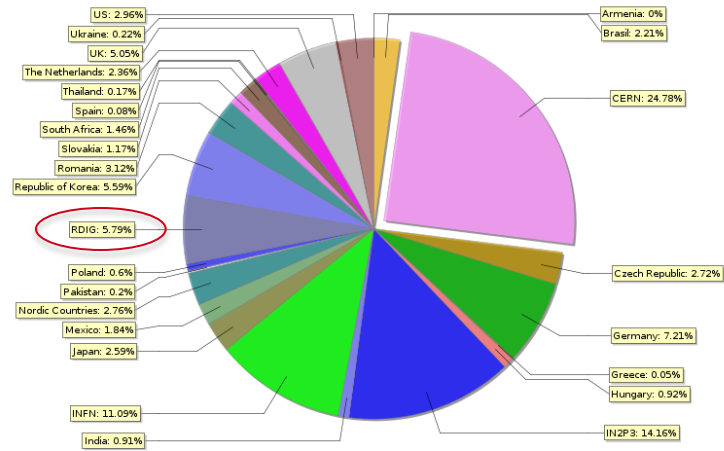
TROITSK, MEPH and SPbSU have individual connections

RDIG production in last year (till April) vs previous

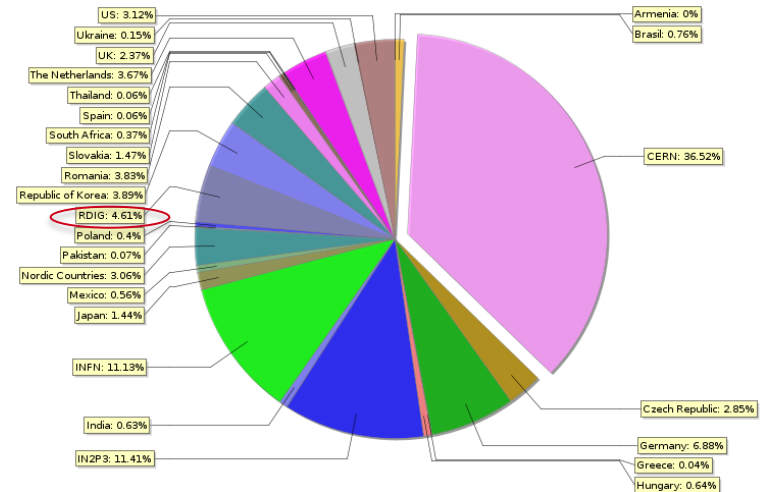
Total CPU hours for ALICE jobs



Total wall time kSI2K hours for ALICE jobs

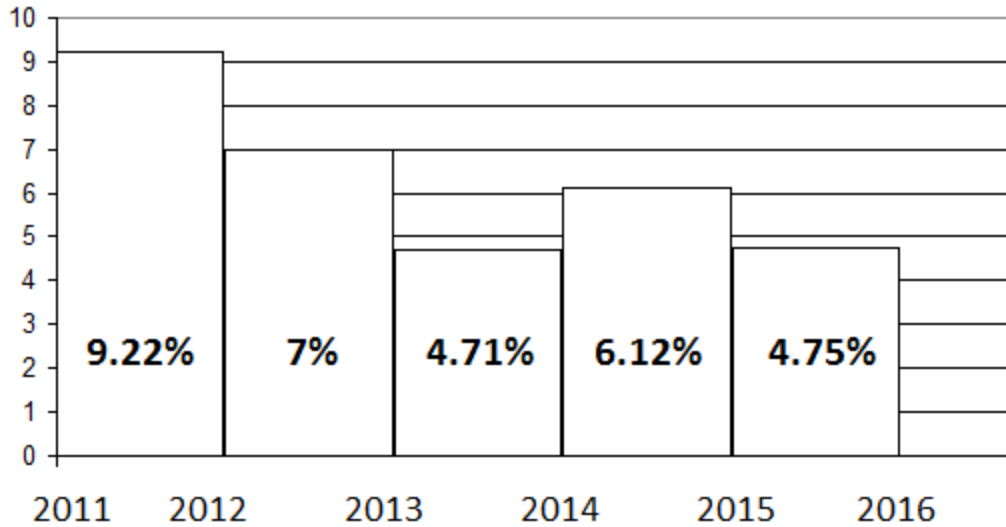


DONE jobs



CPU usage: 7.68% vs 4.81%
Done jobs: 4.61% vs 5.9%
Wall time in kSI2K hours: 5.79% vs 7.35%

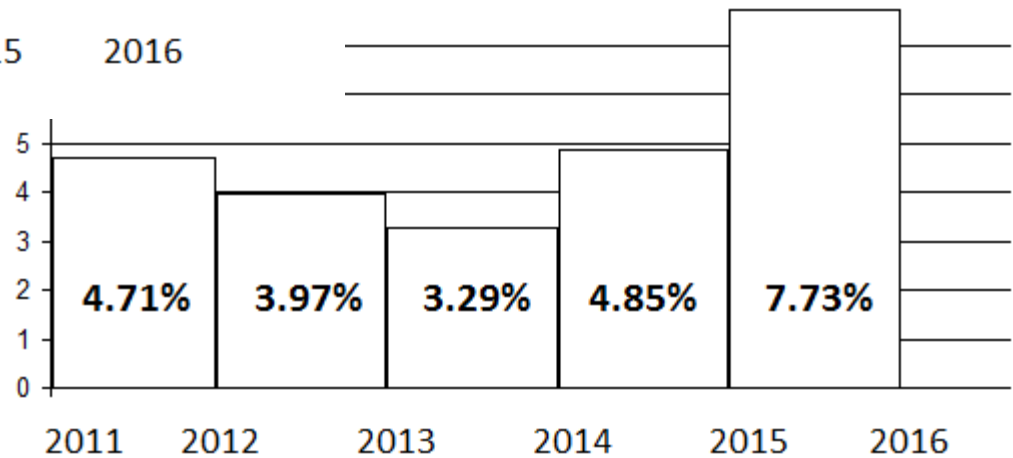
RDIG production from April 2011 till April 2016



CPU time share is growing, but the percentage of done jobs decreases.... Why?

DONE JOBS

Old CPUs, network problems, small sites...



Total CPU hours for ALICE jobs

RDIG resources in 2016

	HEP SPEC2006/slot		HEP SPEC2006 For ALICE in 2016	Disks (TB)		CE vs 2015
	2015 year	2016 year		2015 year	2016 year	
SPbSU	8,00	11,77	4 804,00	58,00	128,00	+280 Cores/ 13,5 HepSpec06
PNPI	11,00	11,00	660,00	44,00	44,00	
JINR	10,40	12,00	5 136,00	428,00	448,00	Update CPU HS 10,4 to 12
RRC-KI	11,00	11,00	3 300,00	330,00	330,00	
Troitsk	9,28	9,28	320,16	116,00	116,00	
ITEP	9,00	9,00	1 575,00	139,00	139,00	
IHEP	8,60	8,60	5 667,40	270,00	270,00	
MEPHI	8,74	8,74	769,12	40,00	40,00	
SUM			22 231,68		1 515,00	
REBUS PLEDGES			21679		1568	
%			107		97	

Software update on Russian sites.

Site name	xrootd version
SPbSU	v4.2.2, EOS v0.3.160 on xrootd v3.3.6 on CentOS 7
PNPI	v4.3.0
JINR	v3.3.4 – Update in progress with hardware upgrade
RRC-KI	v4.1.1.
Troitsk	v4.3.0
IHEP	v20140506-4d557f2 from tarball on Debian
IHEP	v4.2.3
MEPHI	EOS v0.3.35 on xrootd v3.3.6

Conclusions

- Some sites are upgrading hardware
- Some sites are upgrading network connection
- All sites are updating software to the newest version

But

- Some sites have downgraded network connection
- Some sites have old hardware...

The problem is being discussed ...



Thank you for your attention!