

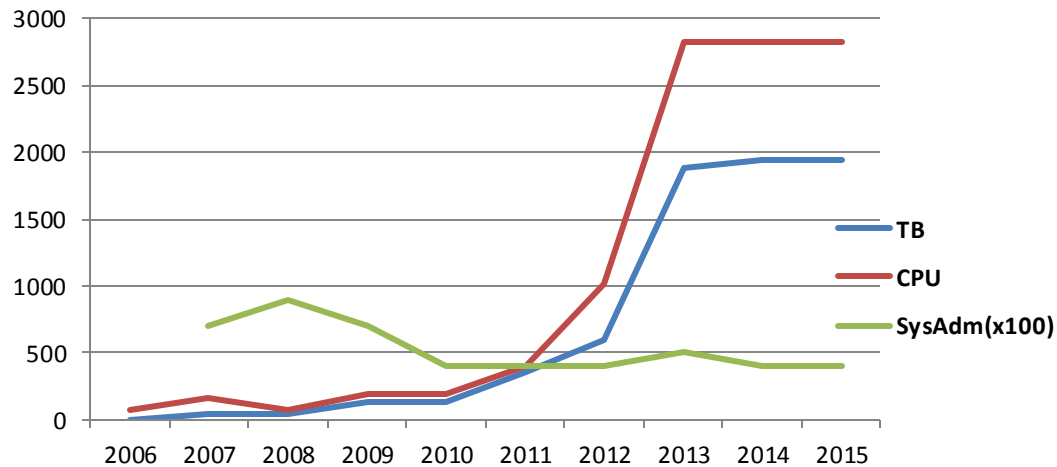


RU-Protvino-IHEP
Tier 2

Victor Cotlar, IHEP

History

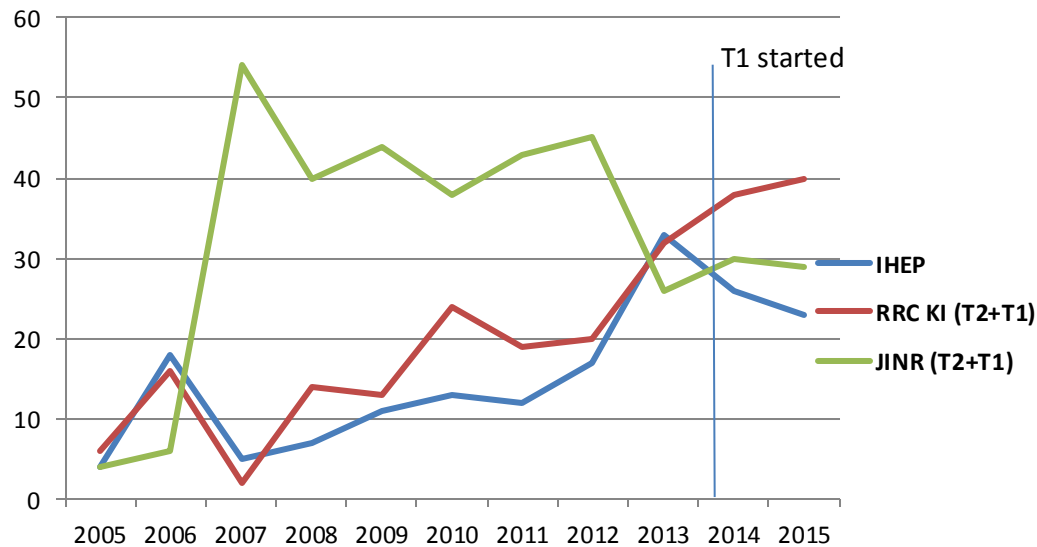
- In WLCG since 2003;
- One of eight sites former members of RDIG;
- Supports: Atlas, Alice, CMS, LHCb;



growth of the IHEP grid resources by year in TB and CPU

Current status

- 2828 CPU, 2439 HEP-SPEC06;
- 1942 TB: Atlas 1185, CMS 395, Alice 297, LHCb 65;
- 2x10Gb/s Internet channel (only 2Gb/s to not Russian sites);
- Manpower – 4 people ;
- one of three big grid-sites in Russia:



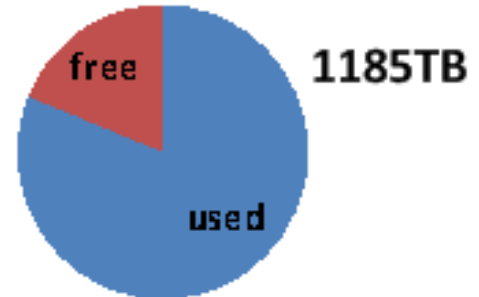
Contribution in % to RDIG by normalised CPU time

IHEP site in WLCG

24396 HEP-SPEC06
2828 CPU (2GB per CPU, HT on)



SE ATLAS



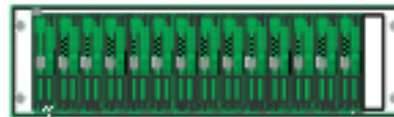
WN's



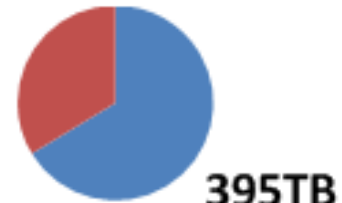
Site BDII



Mon APEL



SE CMS



VO BOX
CMS



CE



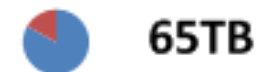
VO BOX
Alice



SE Alice



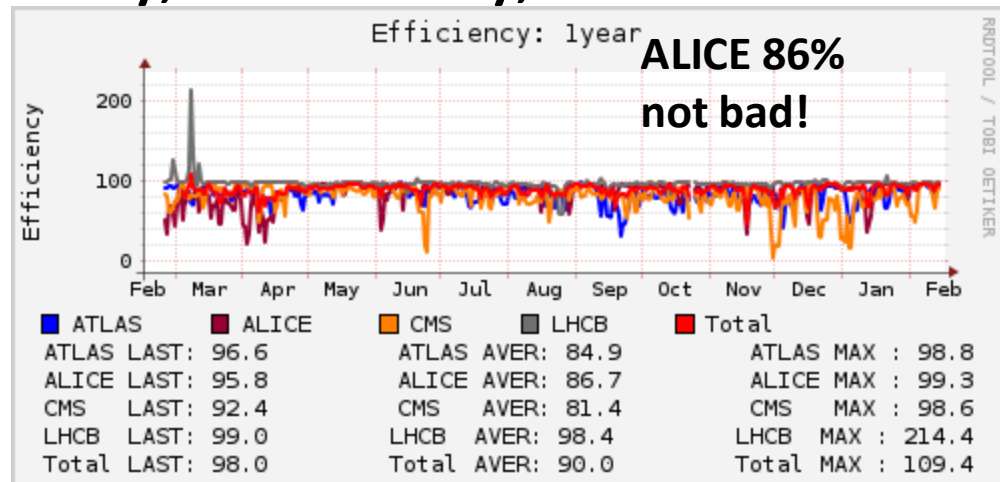
SE LHCb



Future plans 2015

CPU&DISC increase 0

- IHEP data center modernization to renew cooling capacities;
- Manpower increasing;
- System software upgrade;
- Works focused in supporting current infrastructure: availability, reliability, efficiency;



Questions for Alice

- What is the future plans for xrootd storage?
- We use Debian Linux will the future xrootd storage support it?
- Are there any plans to use EOS?
- Is Alice going to use Multicore?
- Is Alice going to use GPU, XenonPhi?