



Status of ALICE pledges

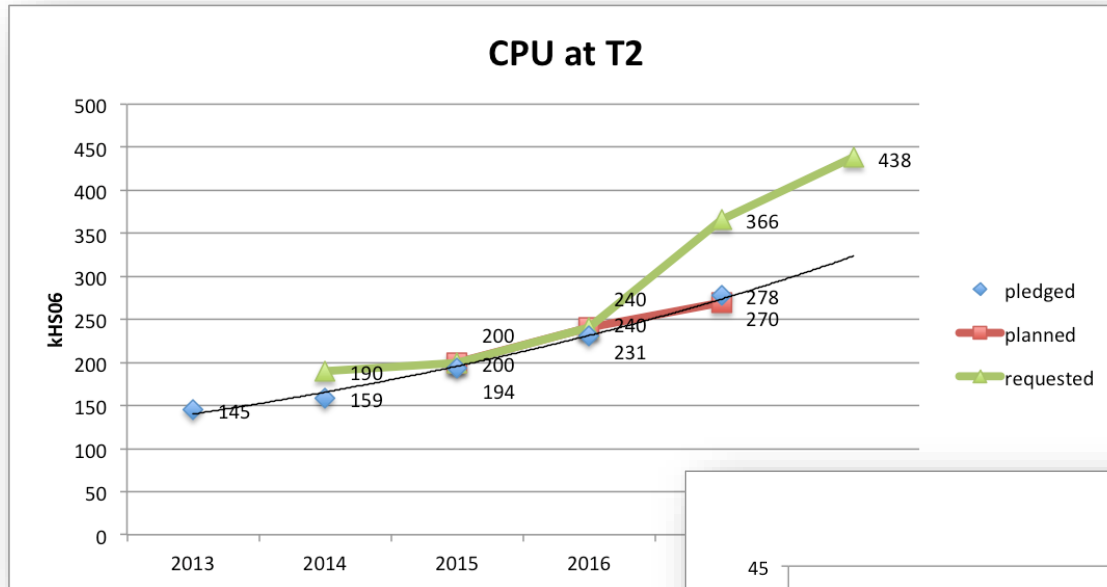
Predrag Buncic

C-RSG Outcome

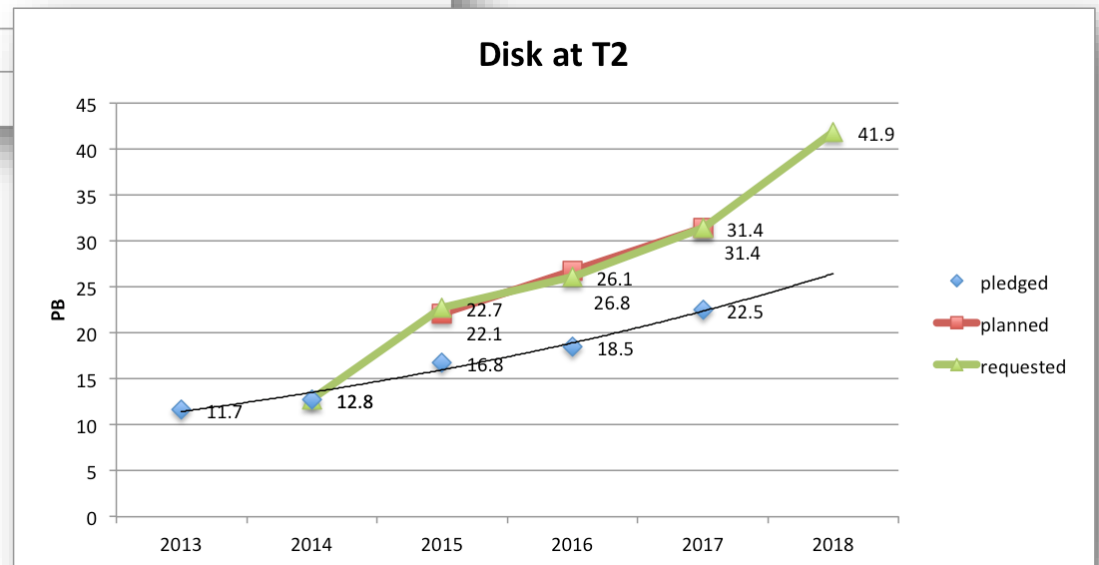
	Pledge Type	ALICE	Required	Balance
Tier 0	CPU (HEP-SPEC06)	292000	292000	0%
Tier 0	Disk (Tbytes)	22400	22400	0%
Tier 0	Tape (Tbytes)	36900	36900	0%
Tier 1	CPU (HEP-SPEC06)	235481	256000	-8%
Tier 1	Disk (Tbytes)	21808	25400	-14%
Tier 1	Tape (Tbytes)	30611	30900	-1%
Tier 2	CPU (HEP-SPEC06)	277660	366000	-24%
Tier 2	Disk (Tbytes)	22537	31400	-28%

“The requirements for 2018, specifically: T1-disk (47% increase), T2-disk (82%) and T2-cpu (58%) are well beyond "flat budget" and we noticed that T2 pledges are about 20% less than the request. CRSG is not in a position to accept these requests and asks the experiment and the LHCC to take the actions necessary to reduce the resource needs in order to be scrutinized in October. CRSG is willing to follow and to help in this process if asked.”

ALICE: Plans, requests and pledges



- **Planned** correspond to what we predicted in 2014 in WLCG TDR submitted to LHCC
- **Pledged** are actually installed
- **Requested** correspond to our request presented to C-RSG



- In the past the requests were judged relatively to previous year request and not relative to pledges (installed capacity)
- ALICE always reported FULL resource request while pledges did not account for FAs that do not pledge resources
 - 3% CPU and 4% disk at T2s in 2017

Conclusion of the last LHCC meeting

ALICE: resource request for 2018 is justified

- Continue to investigate resource shortage mitigation measures
- Planning of archival and deletion of datasets not accessed recently
less disk, more tape
- Reduction of number of copies on disk of less frequently use
datasets from two to one with one copy on tape instead
 - less disk, more tape, increased operational cost, longer analysis
turn-around times
- Break down resource planning in quarters or months to check for
options of late resource installation in 2018 or beginning of 2019

Actions taken

- Discussions with FA representatives ongoing
 - Mostly positive feedback but nothing concrete yet
- Aggressive disk cleanup campaign in order to prepare for data taking
 - in collaboration with ALICE PWGs, 3 PB of old ESD/AODs removed
 - 4 PBs of ESD replicas removed
- Data taking and processing proceeds smoothly
 - No immediate problems or show stoppers
- Significant beyond the pledge CPU use over past months
- Further improvements in HLT compression under validation
 - May somewhat reduce our tape needs
- Dialog with C-RSG started
 - Report due for end of August