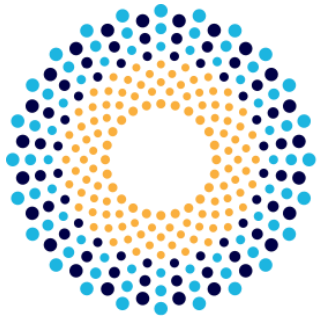

iris

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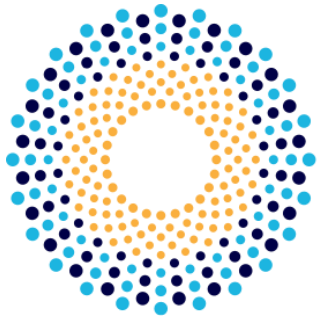
IRIS capacity management

Deniza Chekrygina (SCD,STFC)

IRIS Collaboration meeting

04 December 2023

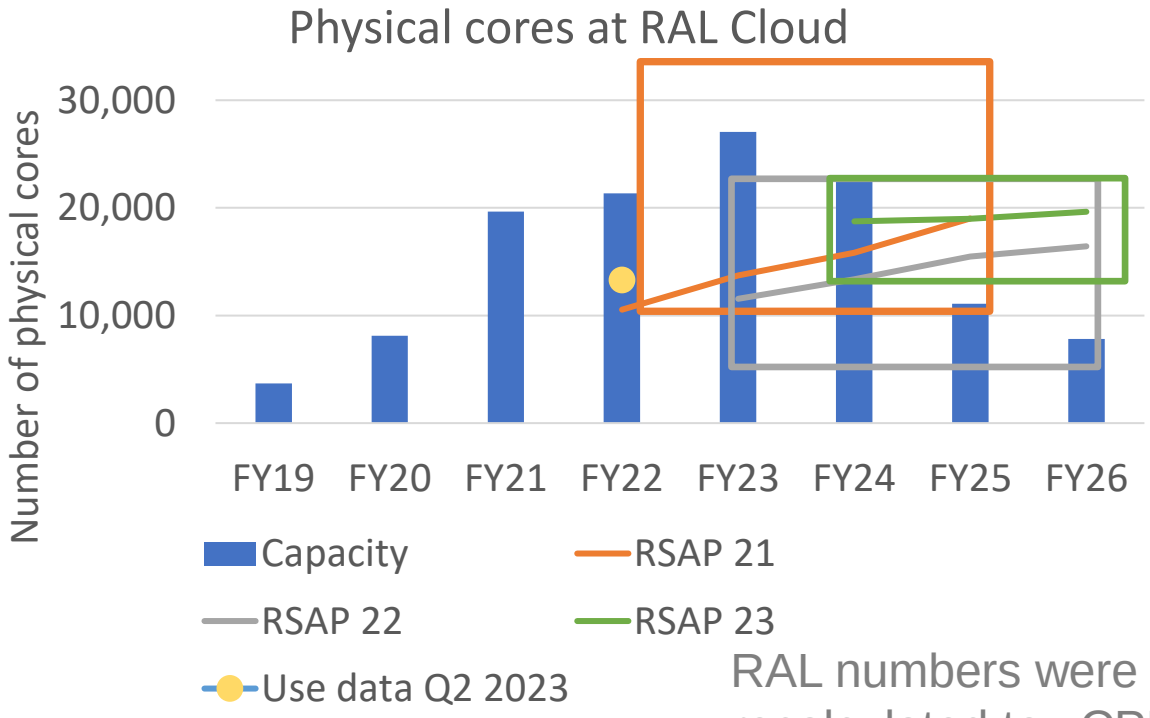


iris | Overview

- CPU
- GPU
- Disk
- Summary

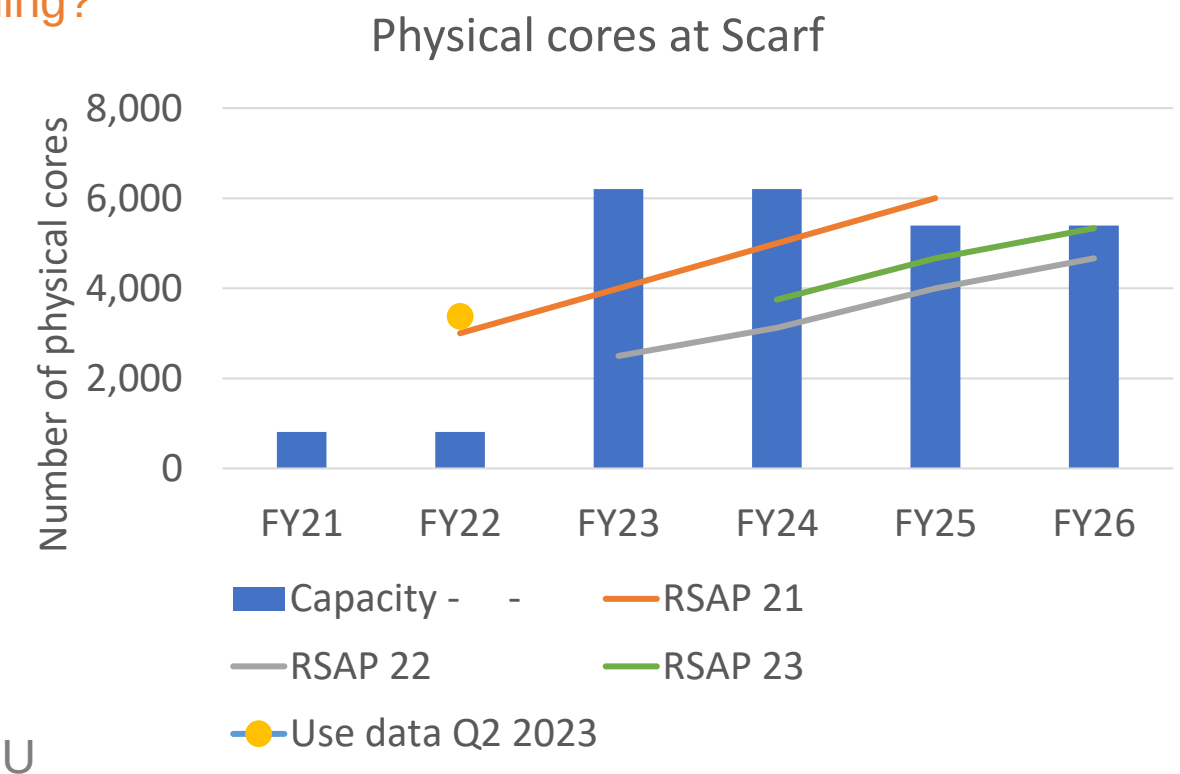
iris | CPU at RAL

vCPU/physical cores misunderstanding?



RAL numbers were recalculated to vCPU

Activities learned about RAL capacity? Projects growth influence



A single user is **slightly** easier to plan for!

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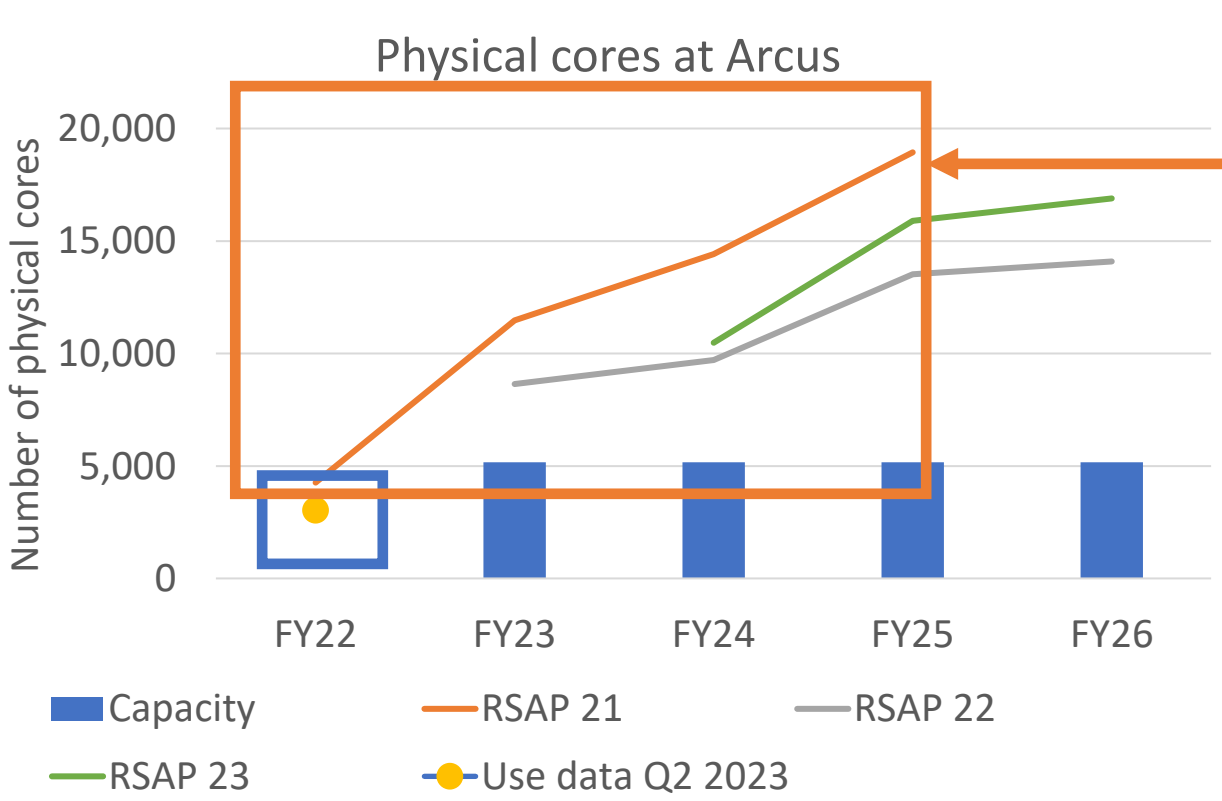
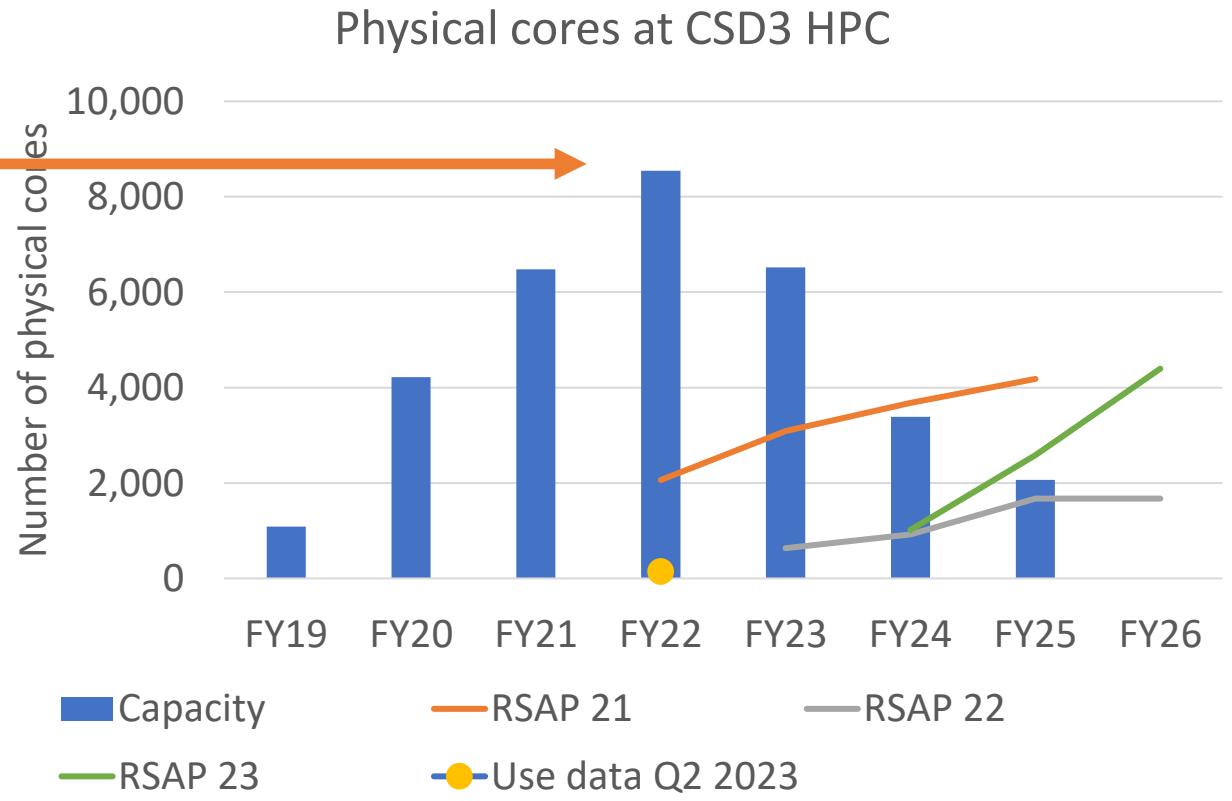
iris | CPU at Cambridge DiRAC





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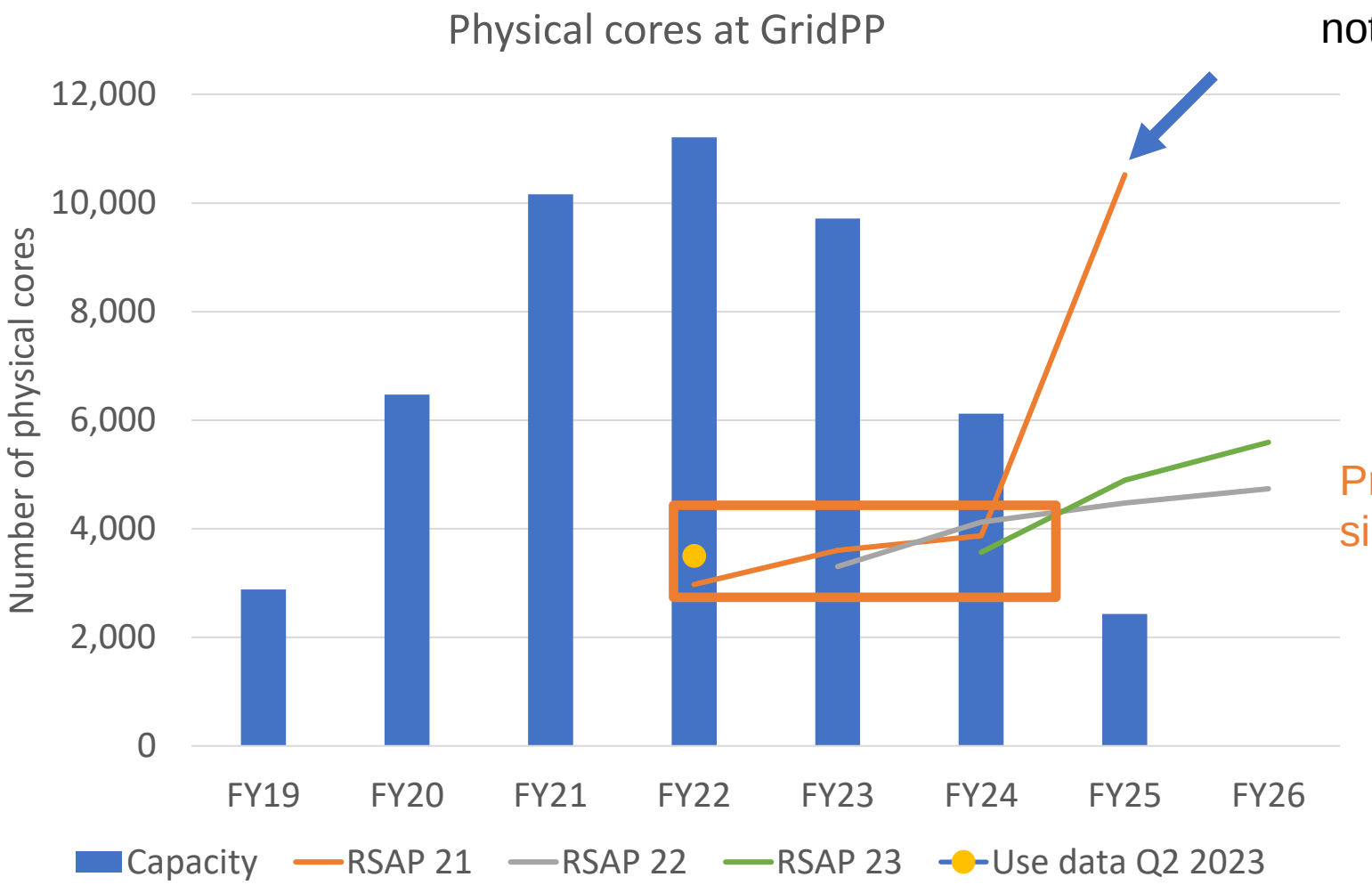
Hardware planned to be bought in FY23 is not shown

iris | CPU at GridPP



This activity did not resubmit

Predictions are quite similar

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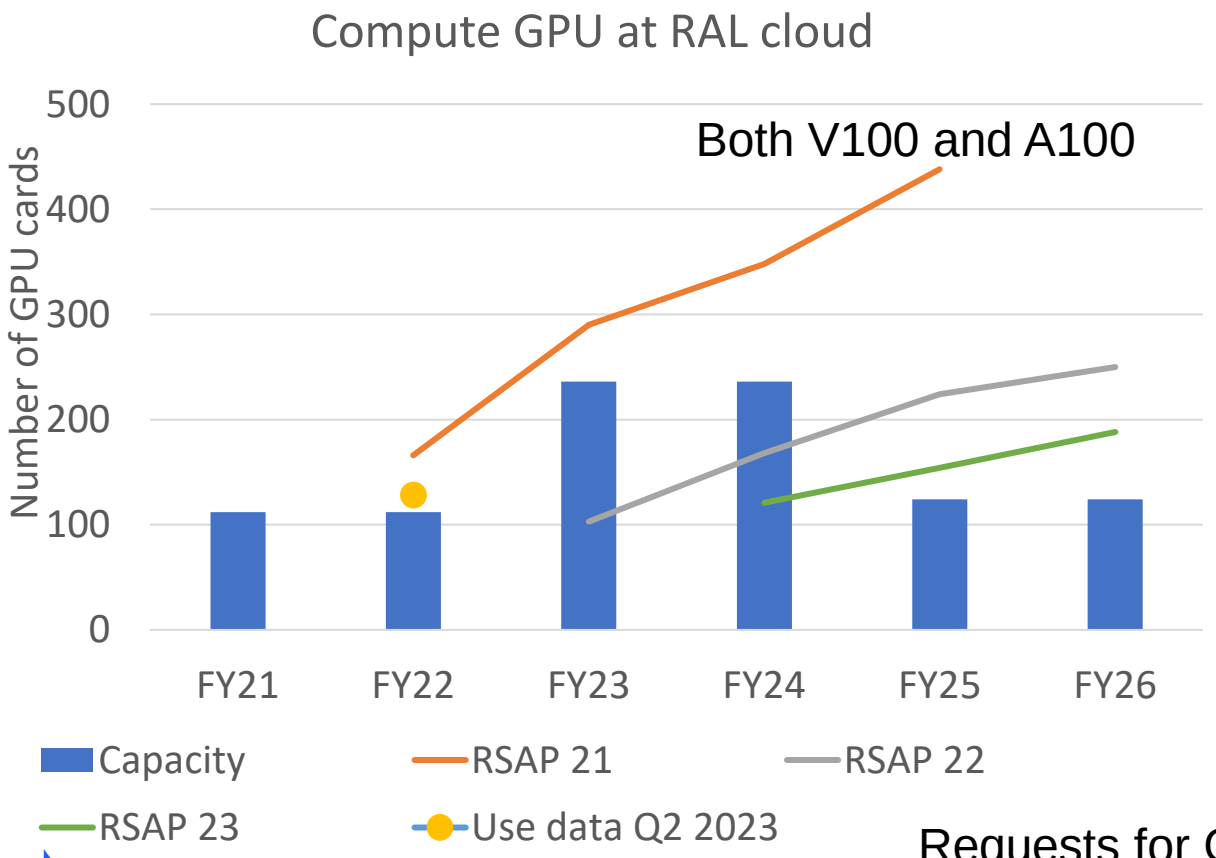
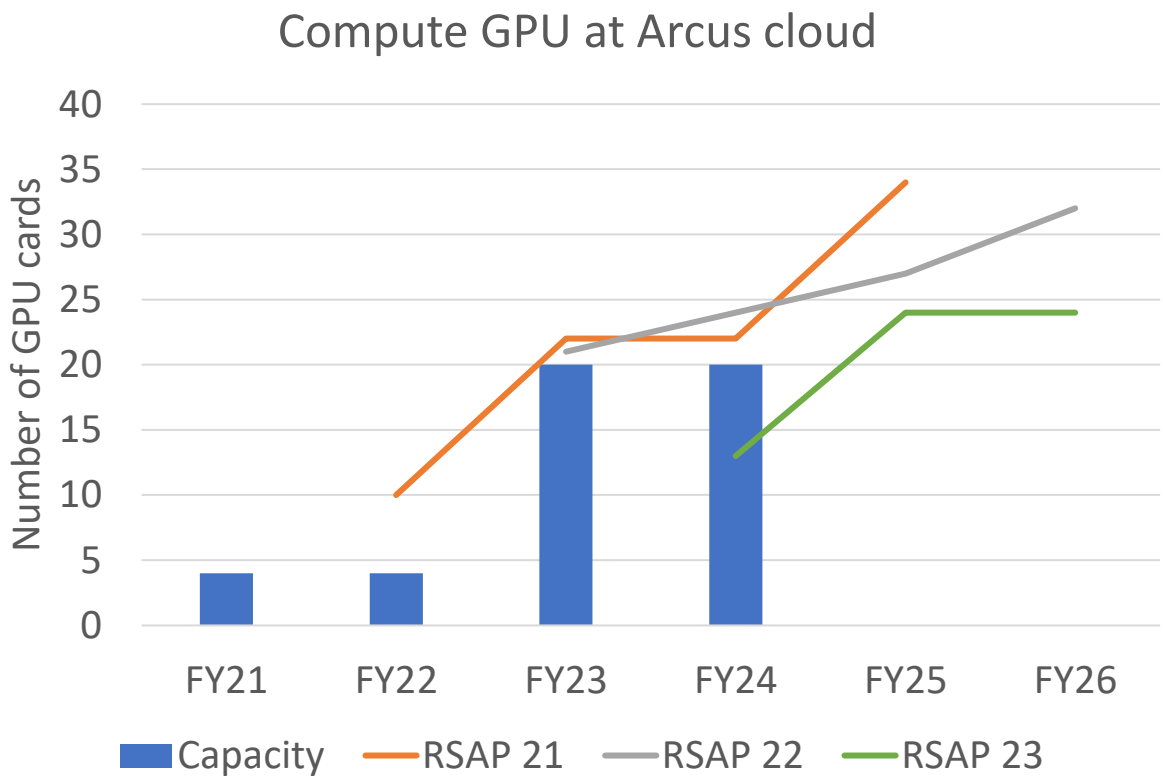
iris | GPU at RAL Cloud and Cambridge DiRAC





Requests for GPU in RSAP21 were much higher than in the RSAP23.

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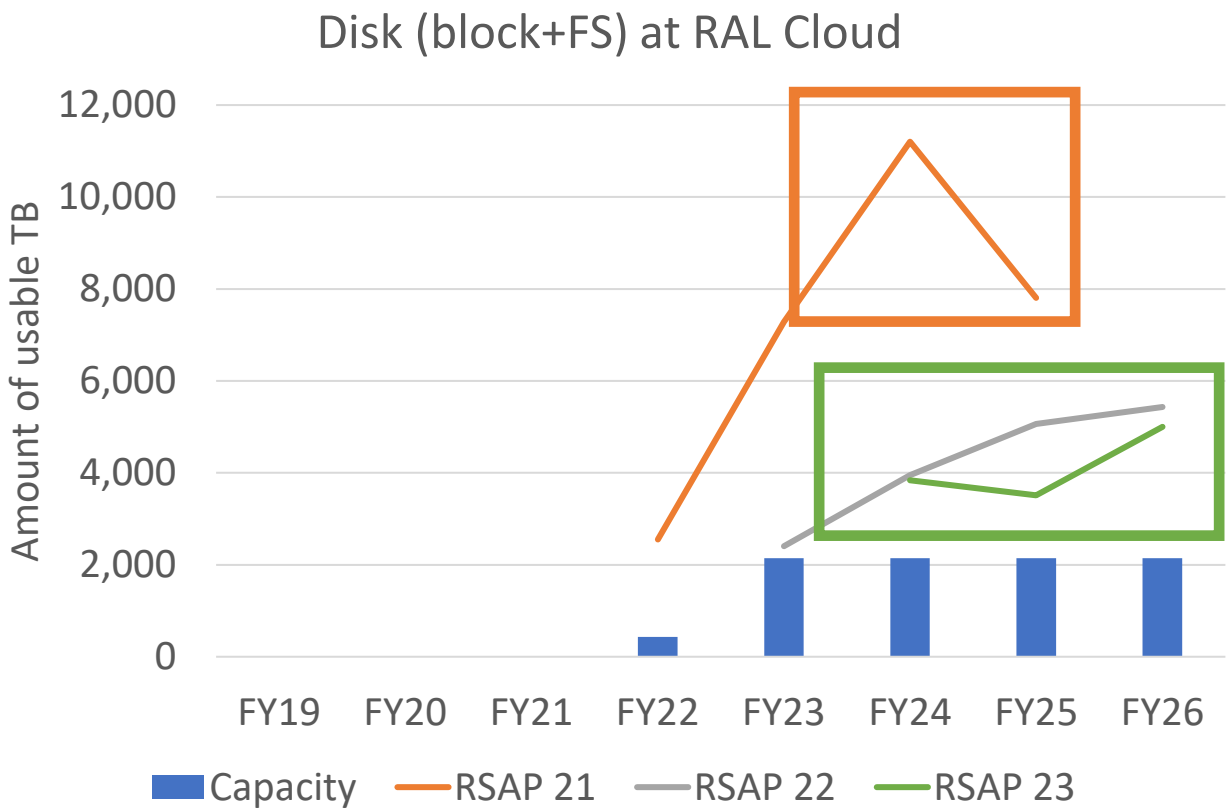
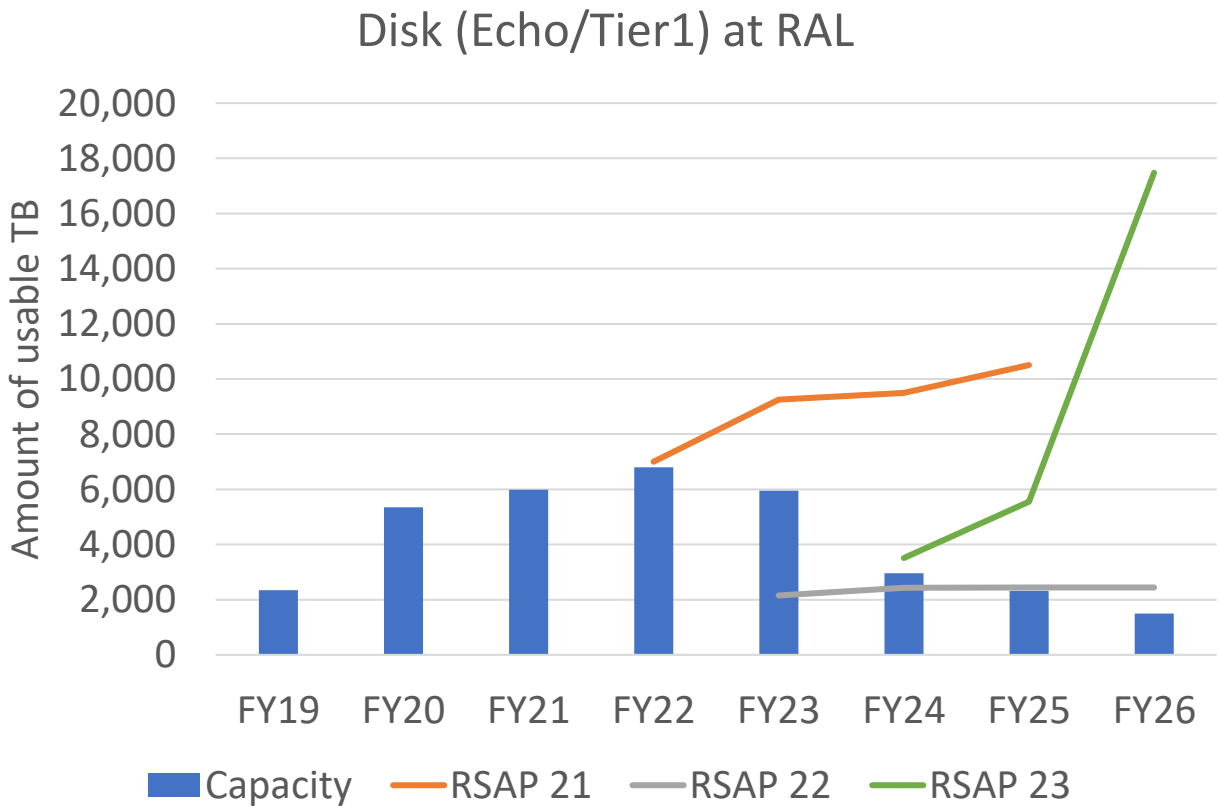
iris | Disk at RAL





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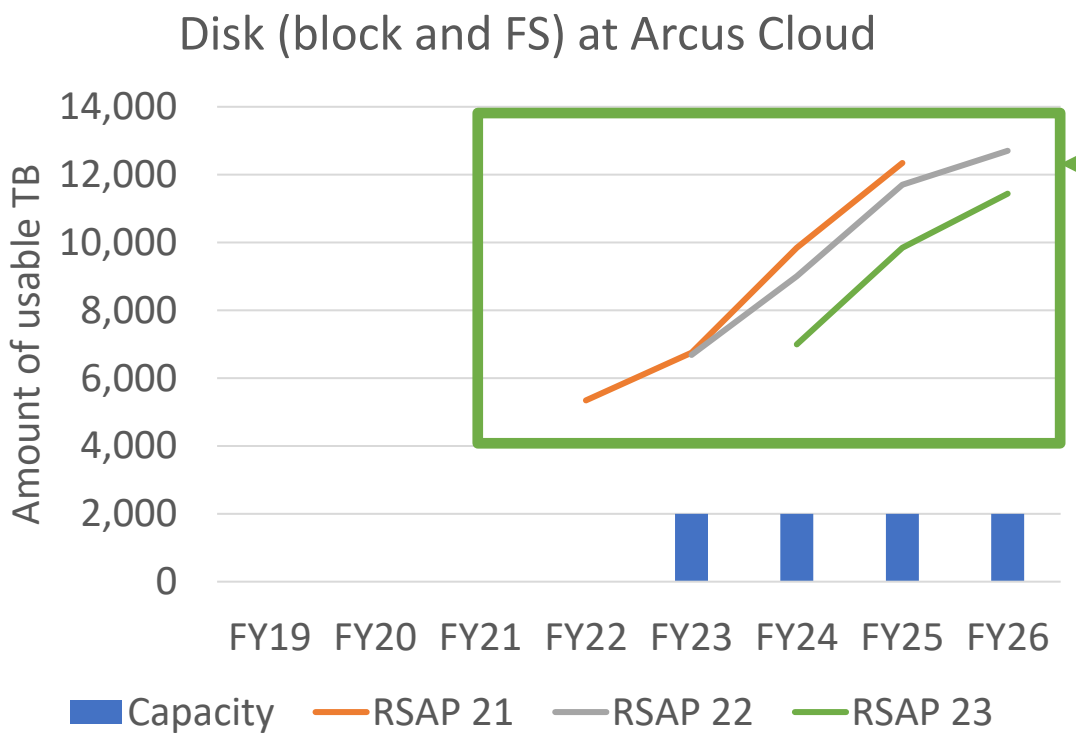
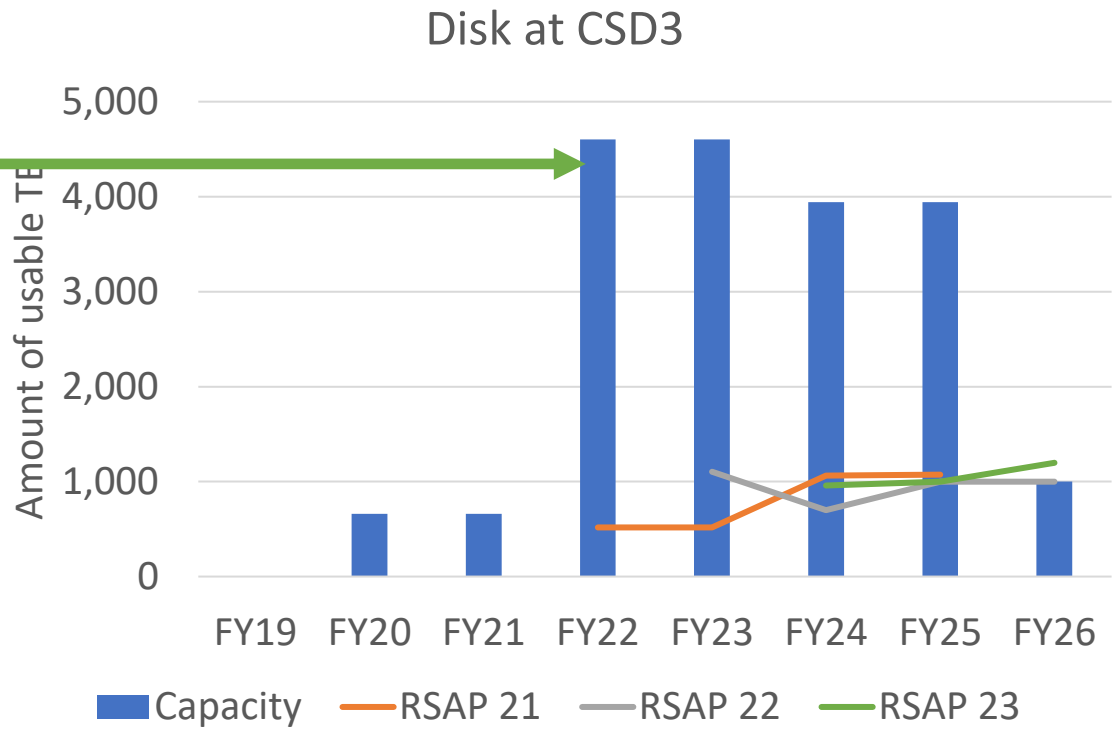
Expected optimisation of use and data move to Tape
Each year predictions become more refined

Prediction can drastically change every year and this makes buying in advance challenging

iris | Disk at Cambridge DiRAC





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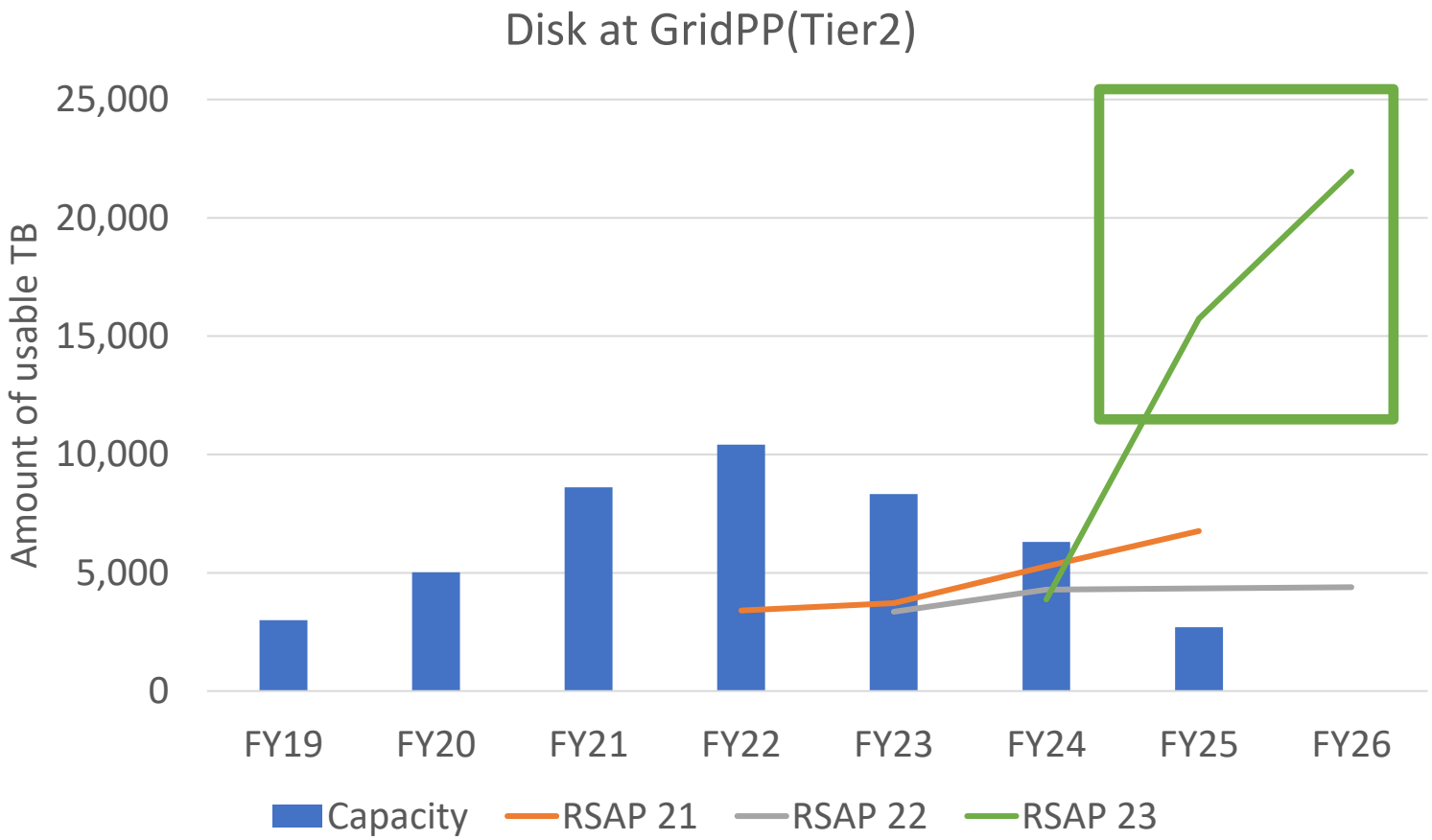
High demand according to all RSAP requests
CSD3 disk is not interchangeable with the cloud

iris | Disk at GridPP



Still a high uncertainty whether this will be non-IRIS or IRIS

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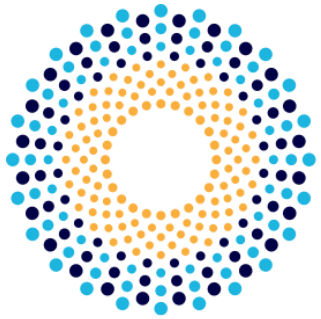
iris | Summary

- Each year, RSAP requests for long-term are different from different years' requests or actual use.
- Growing capacity is a risky and sometimes ungrateful business (not for the other users of the provider)
- Established communication flow leads to improved planning.



iris

Thank you!

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