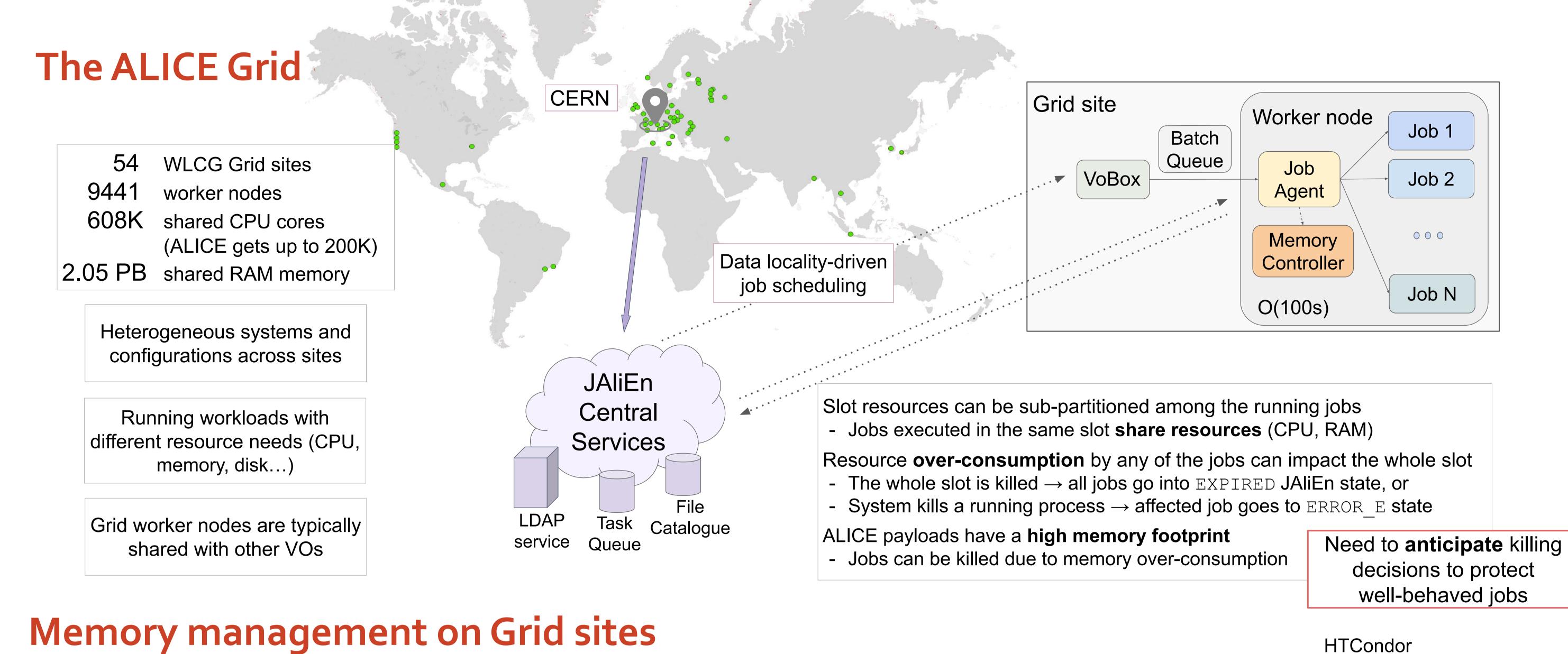
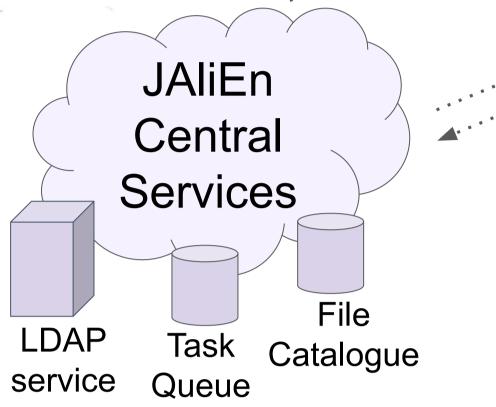
Supervised job preemption methodology for controlled memory consumption of jobs running in the ALICE Grid

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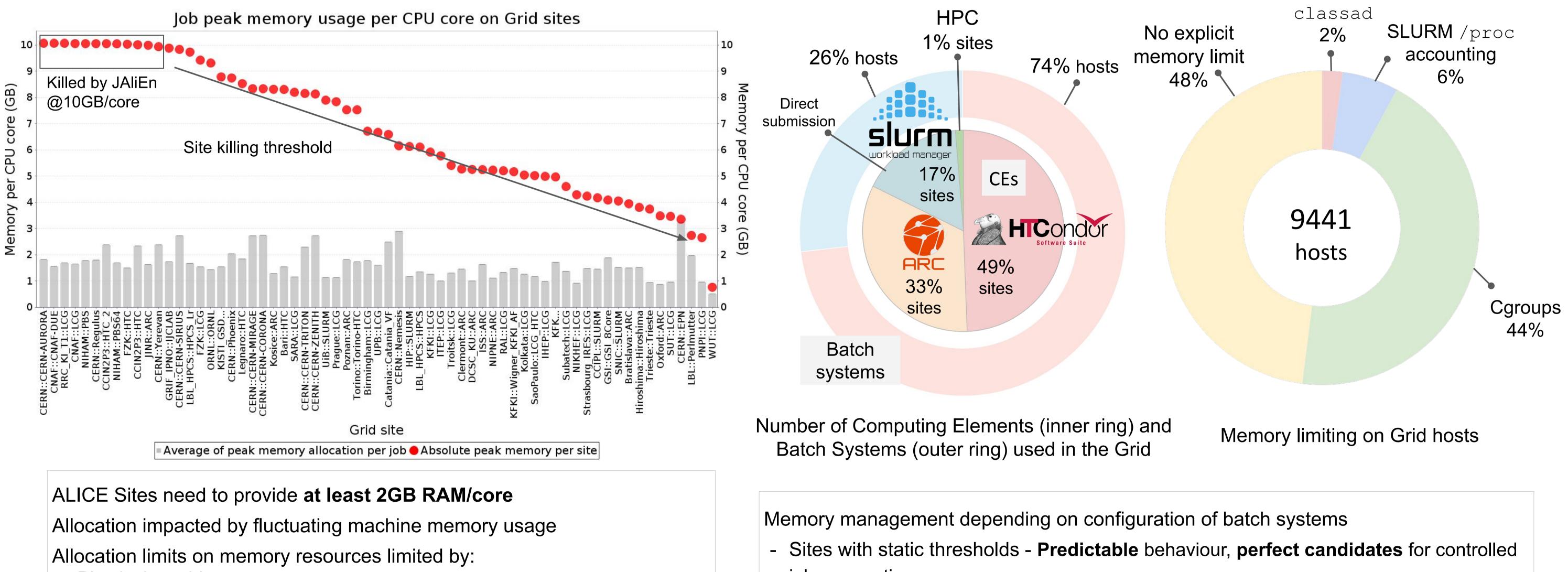
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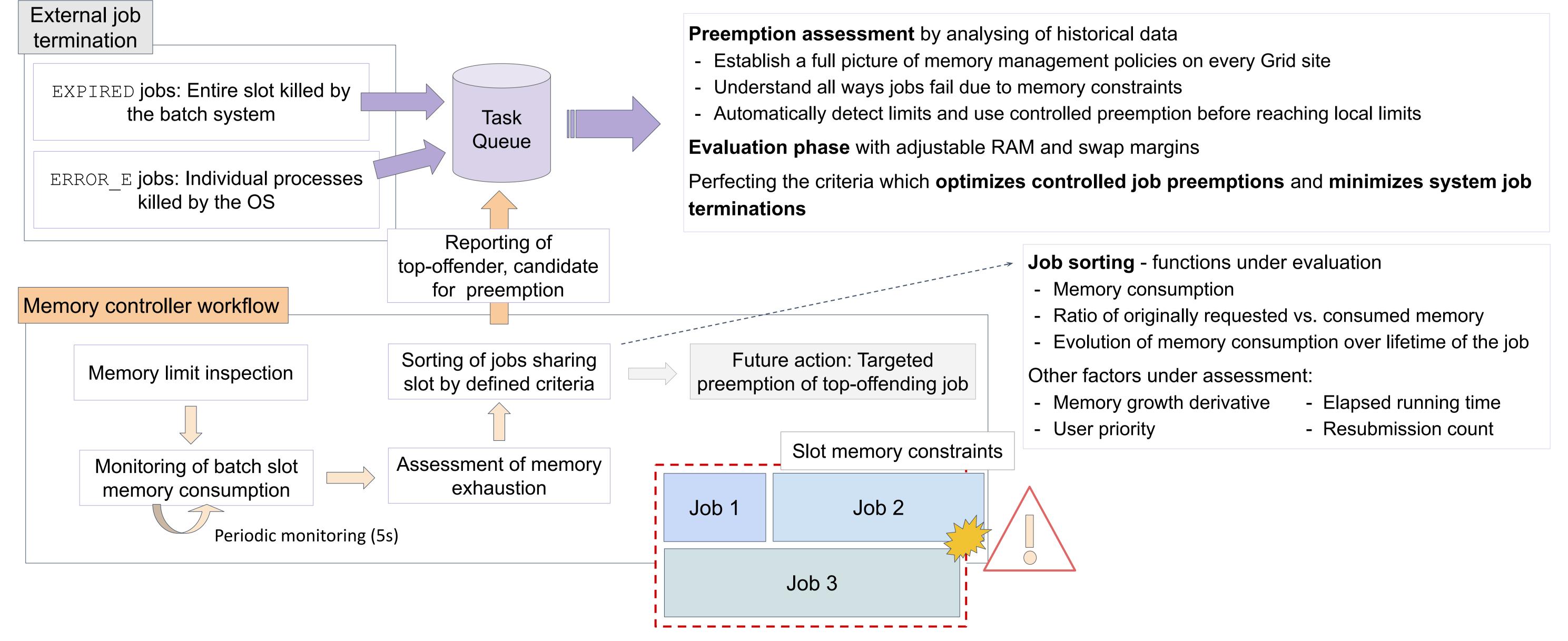


Memory management on Grid sites



- Physical machine specs
- Constraining policies on the operating system or batch system level

The memory controller module



- job preemption
- Sites with no memory limit or soft limit Fluctuating allocation, depending on machine utilization levels

Memory constraints need to be identified on individual basis to apply the appropriate preemption method based on slot memory consumption