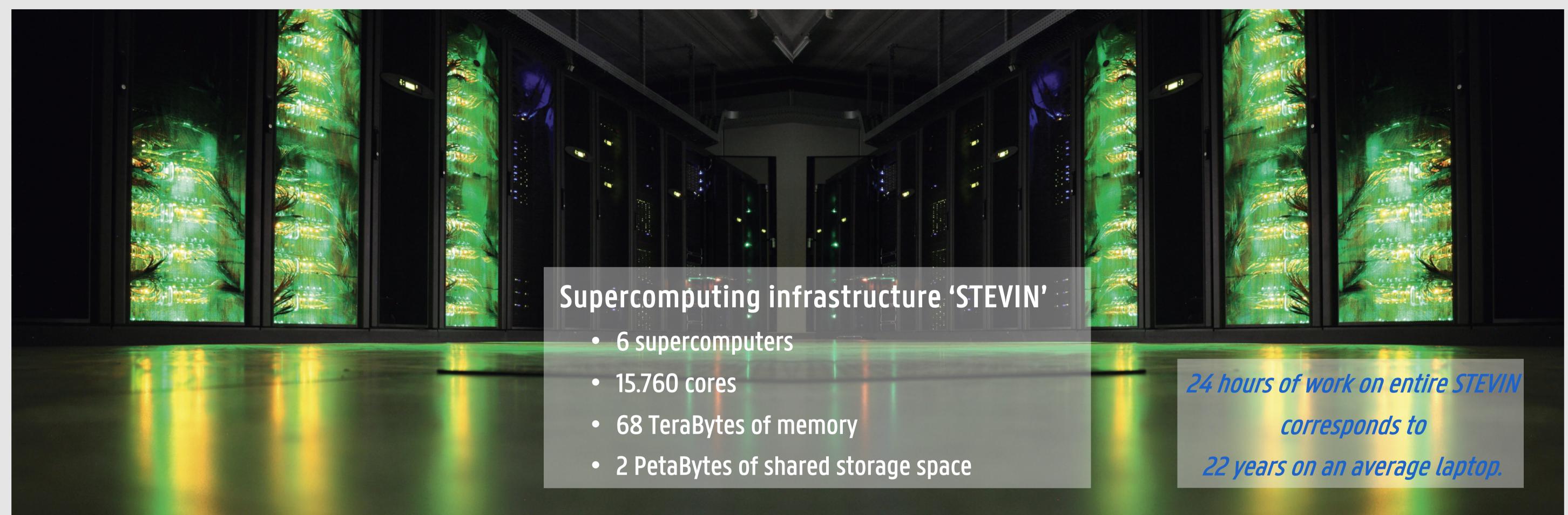
SCALE UP YOUR RESEARCH - SUPERCOMPUTING @ UGENT



Does this sound familiar?

- "I regularly leave my laptop running to do a computational analysis"
- "I analyze only 10 out of 10.000 samples because it takes too long on my computer"
- "I don't have enough storage space to do my data analysis"





HPC-UGent team

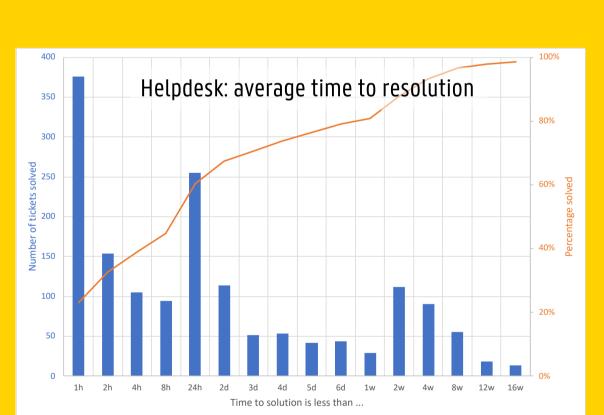
• Infrastructure installation and upkeep (hardware & software)

cluster name	# nodes	Processor architecture	Memory/node	Local diskspace/node	Interconnect
delcatty	123	2 x 8-core Intel E5-2670 (Sandy Bridge @ 2.6 GHz)	64 GB	400 GB	FDR InfiniBand
phanpy	16	2 x 12-core Intel E5-2680v3 (Haswell-EP @ 2.5 GHz)	512 GB	3 x 400 GB (SSD, striped)	FDR InfiniBand
golett	200	2 x 12-core Intel E5-2680v3 (Haswell-EP @ 2.5 GHz)	64 GB	500 GB	FDR-10 InfiniBand
swalot	128	2 x 10-core Intel E5-2660v3 (Haswell-EP @ 2.6 GHz)	128 GB	1 TB	FDR InfiniBand
skitty	72	2 x 18-core Intel Xeon Gold 6140 (Skylake @ 2.3 GHz)	192 GB	1 TB 240 GB SSD	EDR InfiniBand
victini*	96	2 x 18-core Intel Xeon Gold 6140 (Skylake @ 2.3 GHz)	96 GB	1TB 240 GB SSD	10 GbE

Outreach + marketing



User support



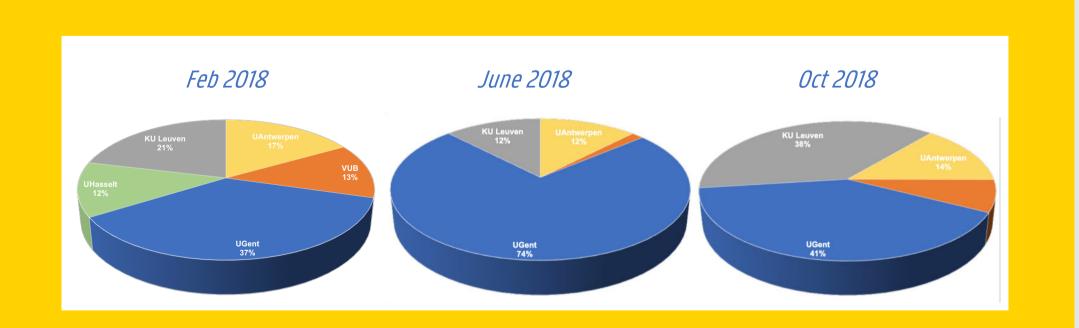
 Collaboration with other supercomputing centers

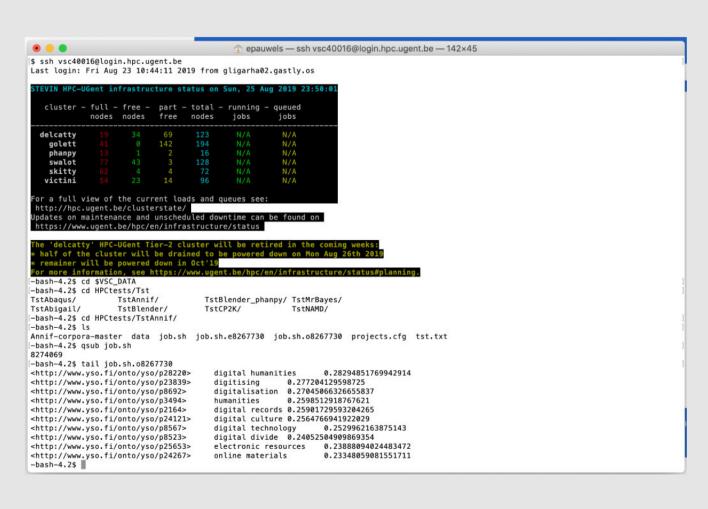


Training

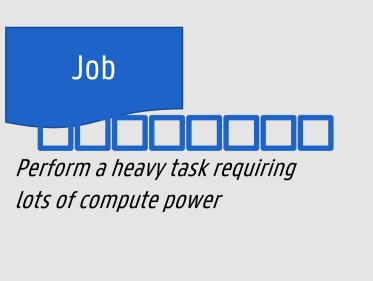


Help with Tier1 project proposal

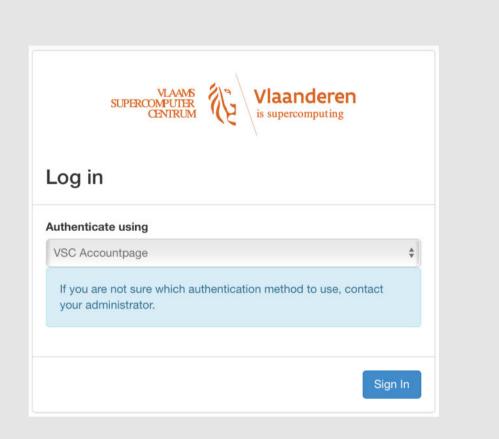




Work in terminal: steep learning curve, but very powerful







We are currently working on a cloud interface to suit specific user demands

