

A faint, circular watermark logo is centered in the upper half of the slide. It features a central dark purple circle surrounded by several concentric rings of varying shades of purple, creating a textured, sunburst-like effect.

ATLAS Tier 3 Survey

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- 35 sites responded Thank you to you all
 - Need to be careful of the conclusions
(For example – in US 40 Tier 3 sites)
- Breakdown by Cloud
 - CA – 4 DE – 1 ES – 5 IT – 6 ND – 4 US – 15
- Where do people do analysis (excluding grid)
 - Local based people – local Tier 3, desktops
 - CERN based people –
 - 8 local Tier 3 only,
 - 27 CERN desktops, Lxplus and local Tier 3

- How do people do analysis?
 - Vast majority – interactive Root/athena, batch athena, ROOT, running on grid
- Proof usage
 - 8 sites have PROOF (1 site having troubles making it work due to local policies)
 - 7 sites planning on PROOF or want it
 - 1 site PROOF-lite only
 - 5 sites might use PROOF
- Conclusion: Should reform PROOF working group

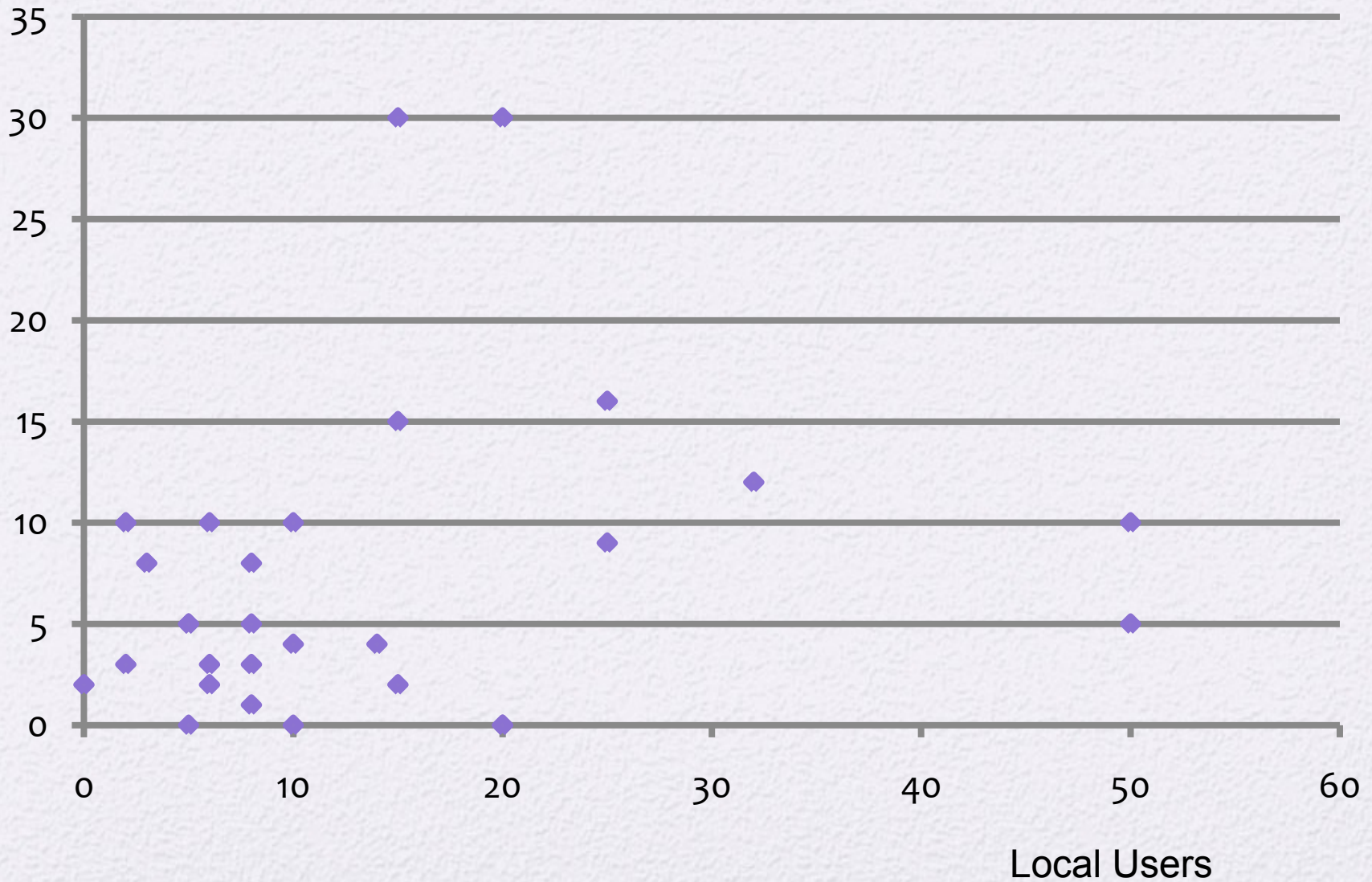
Storage and access methods (some sites use multiple methods)

Local disks	NFS	Xrootd	Lustre	GPFS	DPM	dCAche
1	18	10	6	7	2	3
	Posix	Xrootd	ARC	Rfio	SRM/gridftp	
	32	10	4	3	18	

Batch systems

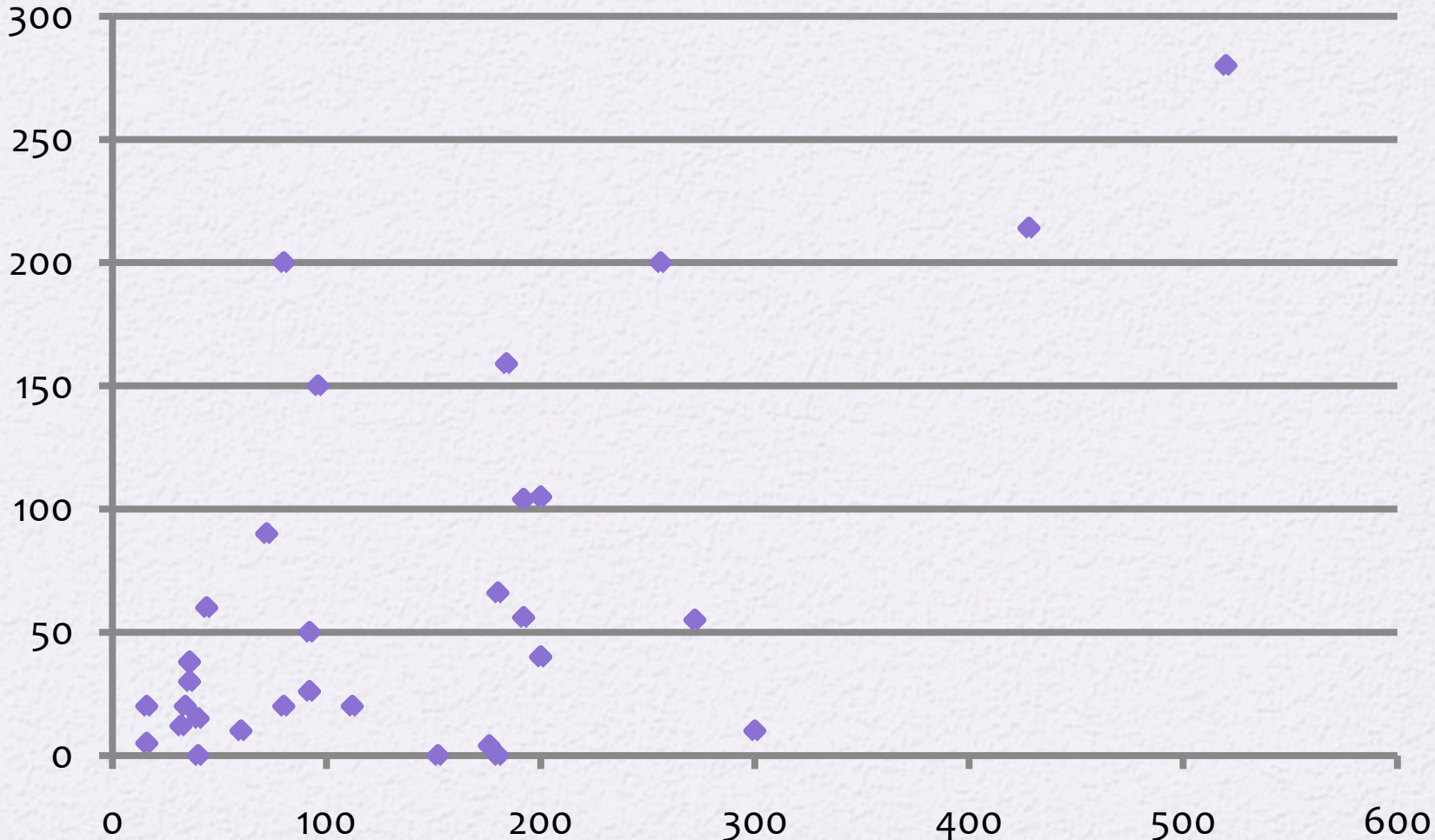
Undecided	Condor	PBS	LSF	SGE
1	10	13	3	4

Remote Users



Storage vs CPU

Storage
TB



Note – 2 sites off chart > 1000 cores

CPU cores

monitoring

- 11 sites collect Tier 3 usage statistics
- 6 do not collect usage statistics and don't see need
- 6 do not collect and would like to collect them
- Monitoring
 - 9 sites prefer local only monitoring
 - 1 site – centralized monitoring
 - 9 sites would like a mix of local/ centralized
(several sites worried that monitoring will take too much extra effort)

- 3 sites reported 0-0.25 FTE support (is a problem)
- 3 sites reported 0.25-0.40 FTE support (marginal)
- 22 sites reported effort was sufficient
 - 5 sites < 0.33 FTE
 - 7 sites 0.33 to 0.6 FTE
 - 6 sites 0.6 to 1 FTE
 - 4 sites > 1 FTE

- Limited sample of all ATLAS TIER 3 sites
- Responding sites vary in size and capacity
- Number of users varies
- Need to help support people at CERN in getting results from their Tier3's back to desktops at CERN
- PROOF gaining acceptance in Tier 3 should resume Tier 3 Proof working group
- Some sites need help with support; most OK