

NT1 – Nordic Tier-1

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NeIC Online All Hands
Zoom, The Internet

NT1 organization

- NT1 is an operational infrastructure
 - Service continuity since 2007
 - Storage and computing for the Large Hadron Collider at CERN
 - LHC data needs storage for LHC lifetime + 15 years
- NT1 is run by a fully distributed team
 - NeIC NT1 team: 10 people in 6 cities
- NT1 operates consolidated services on distributed hardware
 - 7 sites with hardware and local staff

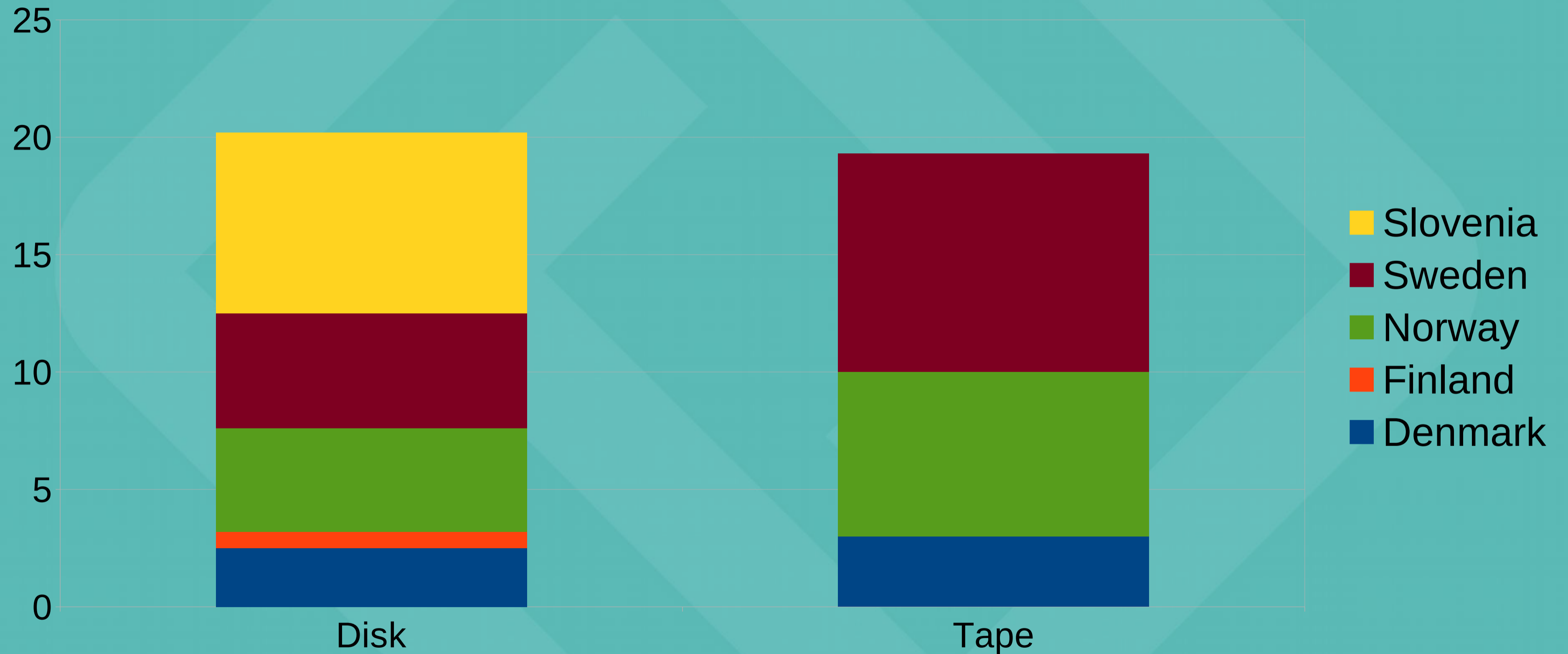


NT1 Added Value

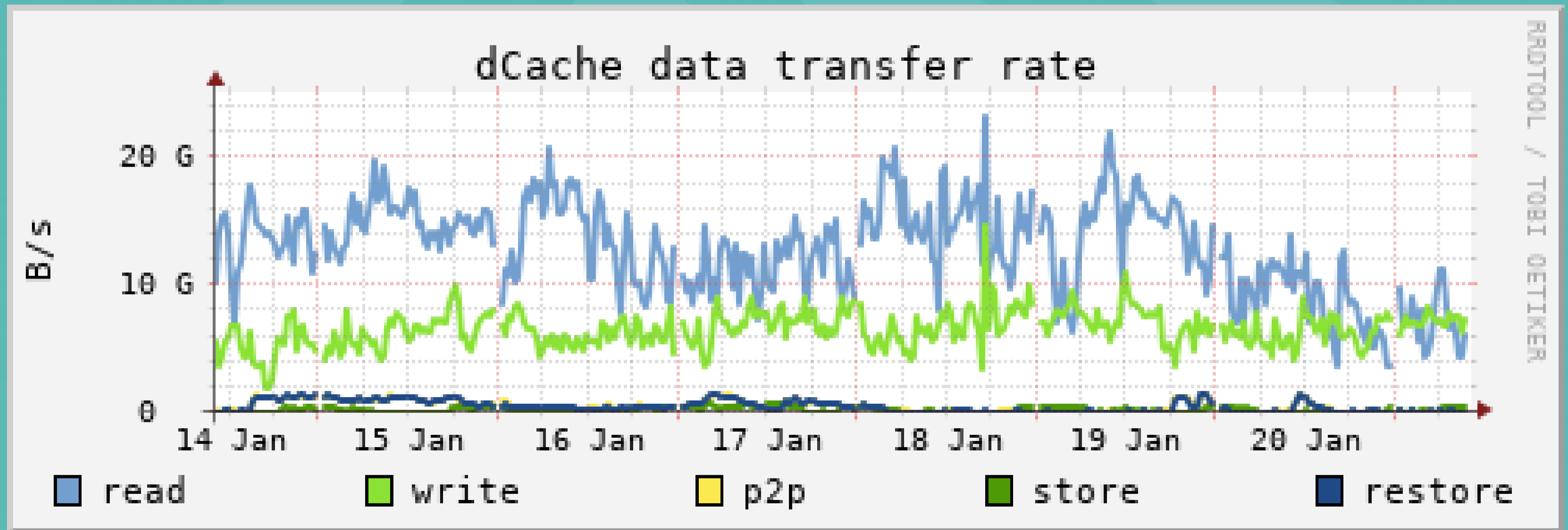
- One big highly reliable storage system gives more value to the researchers
 - Than 4-5 smaller moderately reliable national storage systems
 - Less effort for the researchers to manage
- Cooperation saves money
 - While distributed operations have a bit of overhead...
 - The replication of effort in running 4-5 independent national systems would be worse



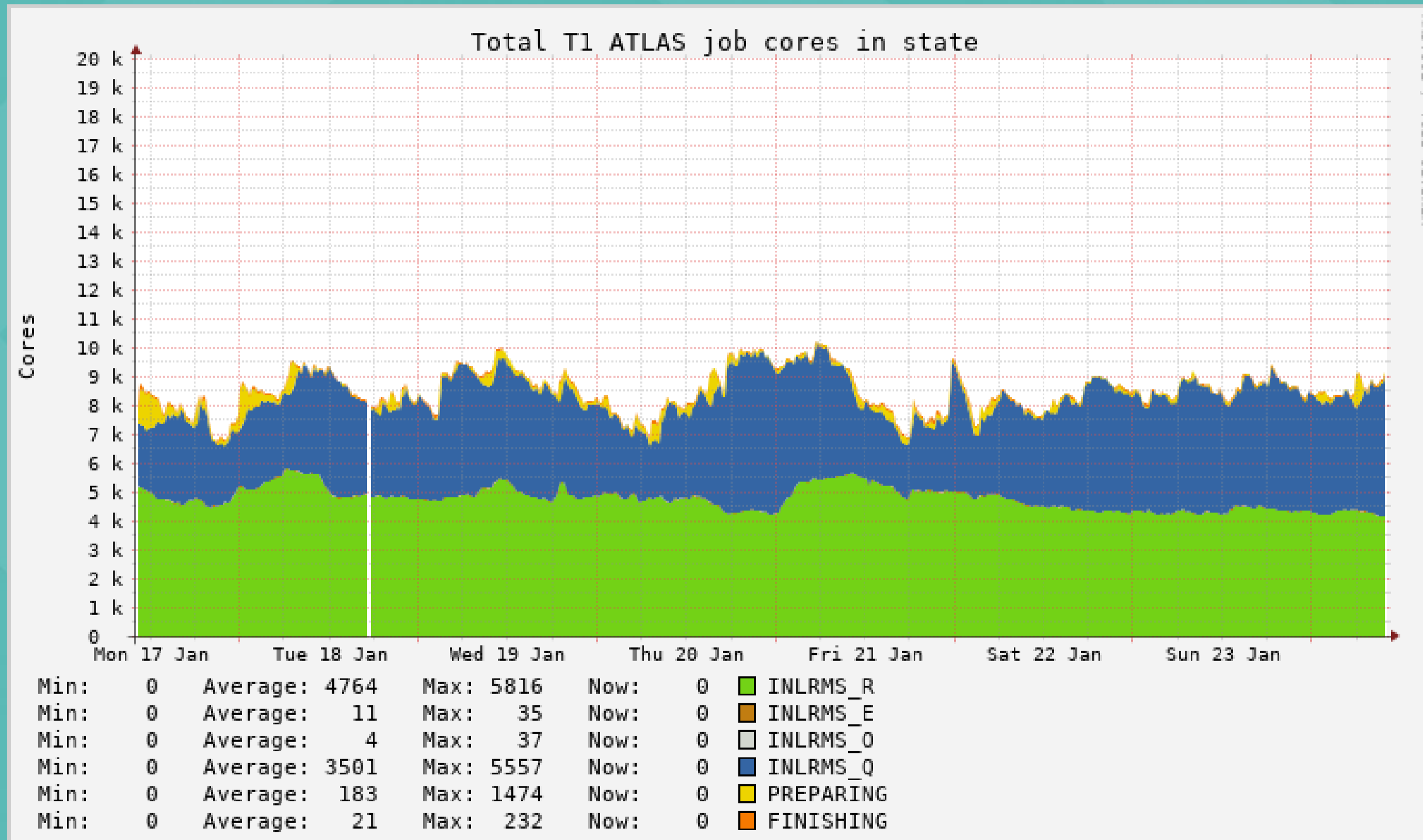
Storage, Petabytes



Storage, Gigabytes/s



CPU, tier1-share only



CPU, associated tier-2s

