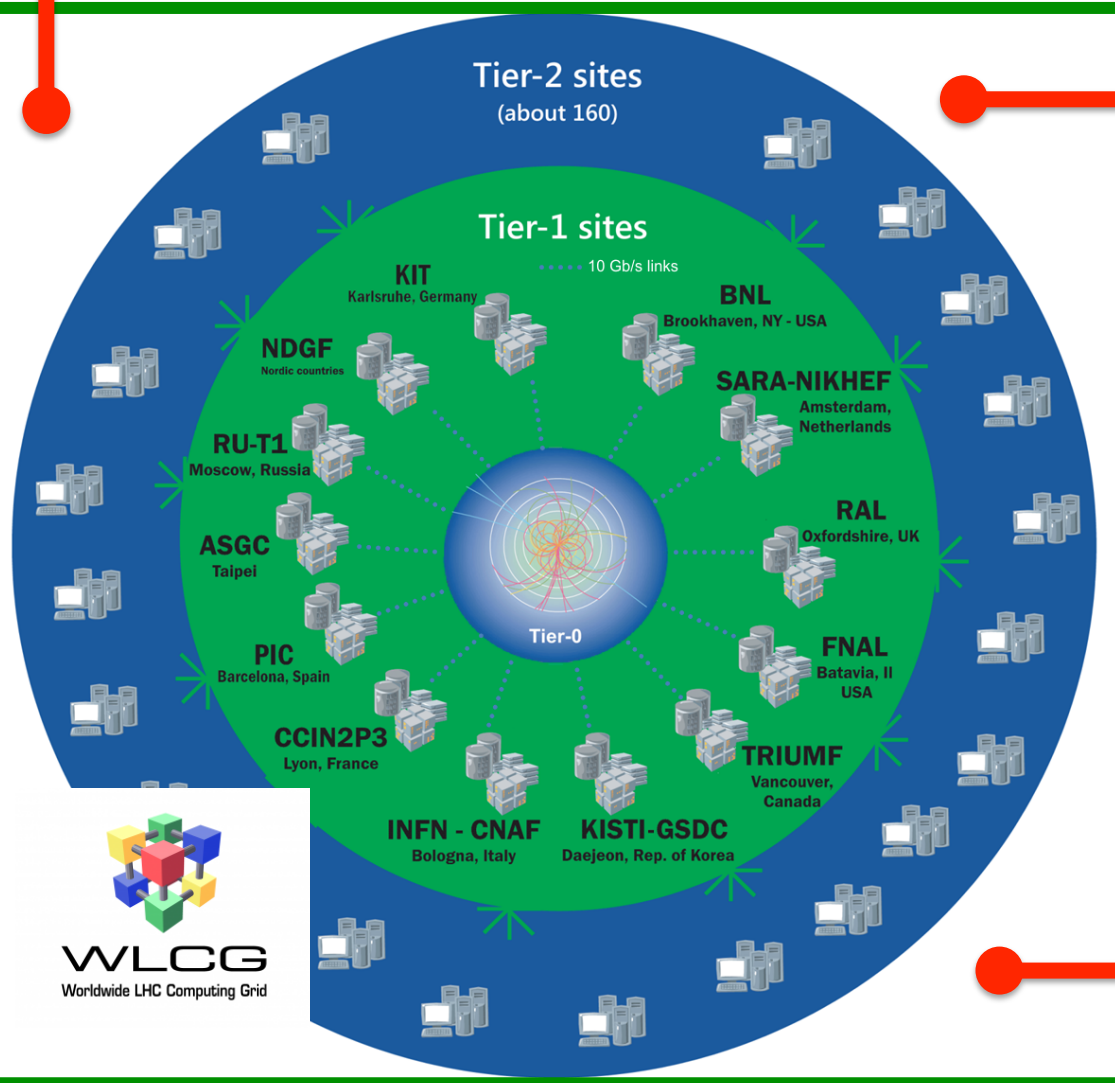




Volunteer
computing
for the LHC



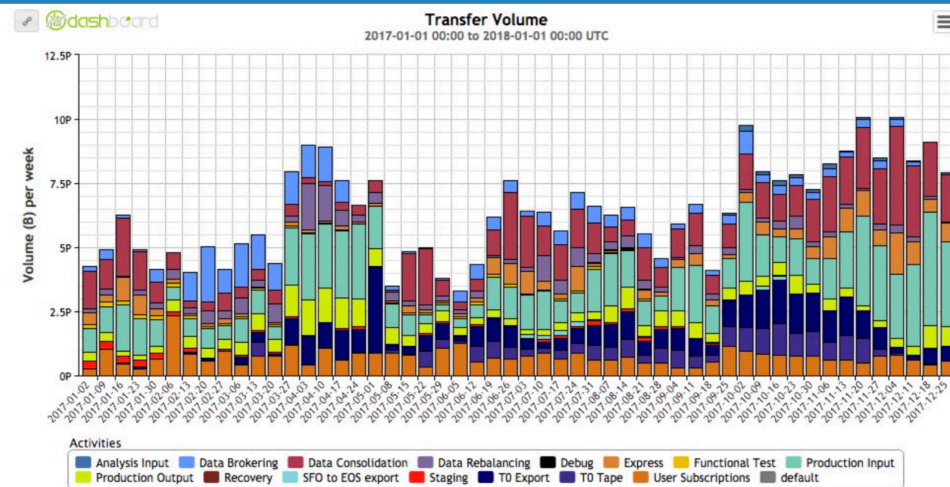


Figure 12: The volume of data in PB transferred by the ATLAS data management system (Rucio) between storage endpoints at Grid sites, in 2017.

Run 2 achievements

Every week: 1 PB moved to T0

- 5 PB moved for production
- 10 to 15 PB accessed by physicists

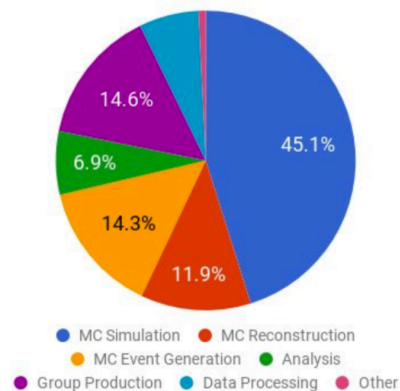
~ 250 k tasks run in parallel worldwide.

2017 raw data = 10 PB

CPU: 280 k core
170 PB on disk,
160 PB on tape

25 % of the
simulation was
made on
“opportunistic
resources”

Wall Clock consumption per workflow



HL-LHC challenges

