



## Transfer Volume 2017-01-01 00:00 to 2018-01-01 00:00 UTC 12.5P 10P 2.5P 2.5P 2.5P 2.5P Activities Activities Production Output Recovery SF0 to EOS export Staging To Export To Tape User Subscriptions default Figure 12: The volume of data in PB transferred by the ATLAS data management system (Rucio) between storage endpoints at Grid sites,

## Run 2 achievements

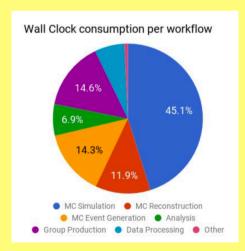
Every week: 1 PB moved to T0

- 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"



## **HL-LHC** challenges

