

The National Analysis Facility at DESY

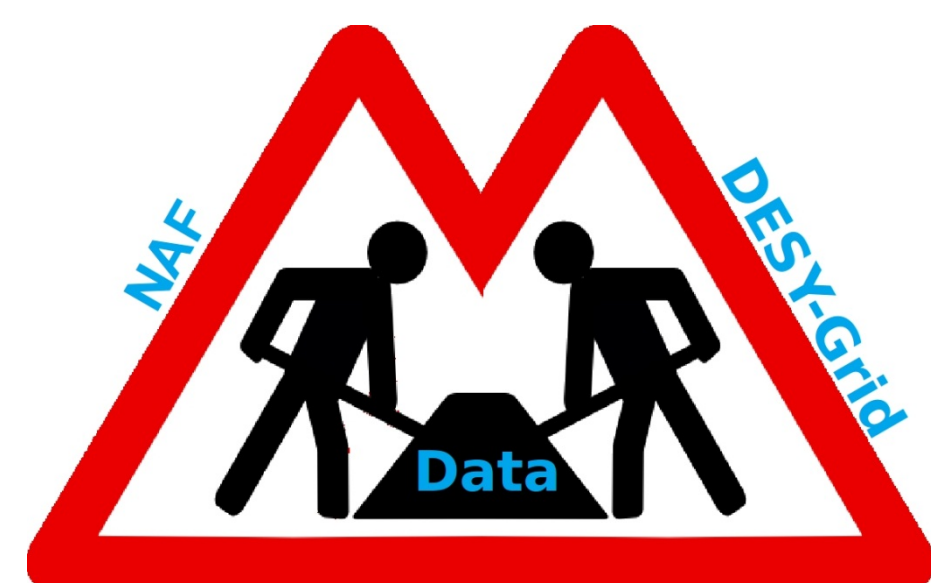
Providing Analysis Capacities for LHC, ILC and Beyond in Germany

Why A NAF?

- The Grid is perfectly suitable for long running jobs like simulation or reprocessing
- Short running analysis jobs suffer from overhead
- Create analysis cluster complementary to the grid
- Offer best possible analysis infrastructure for (LHC) physicists from German institutes

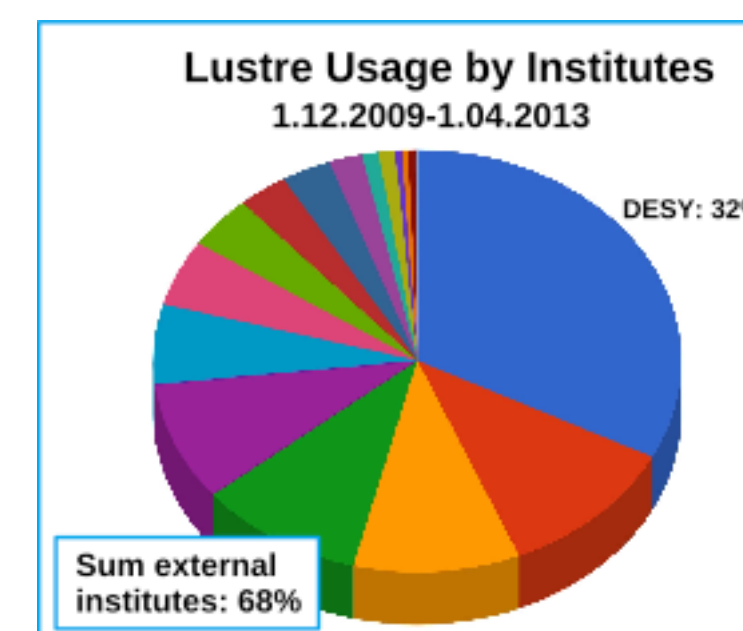
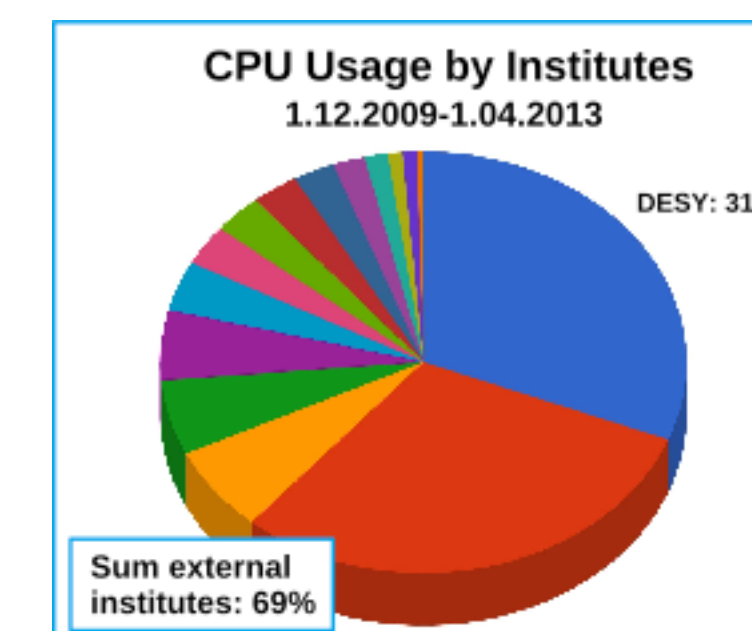
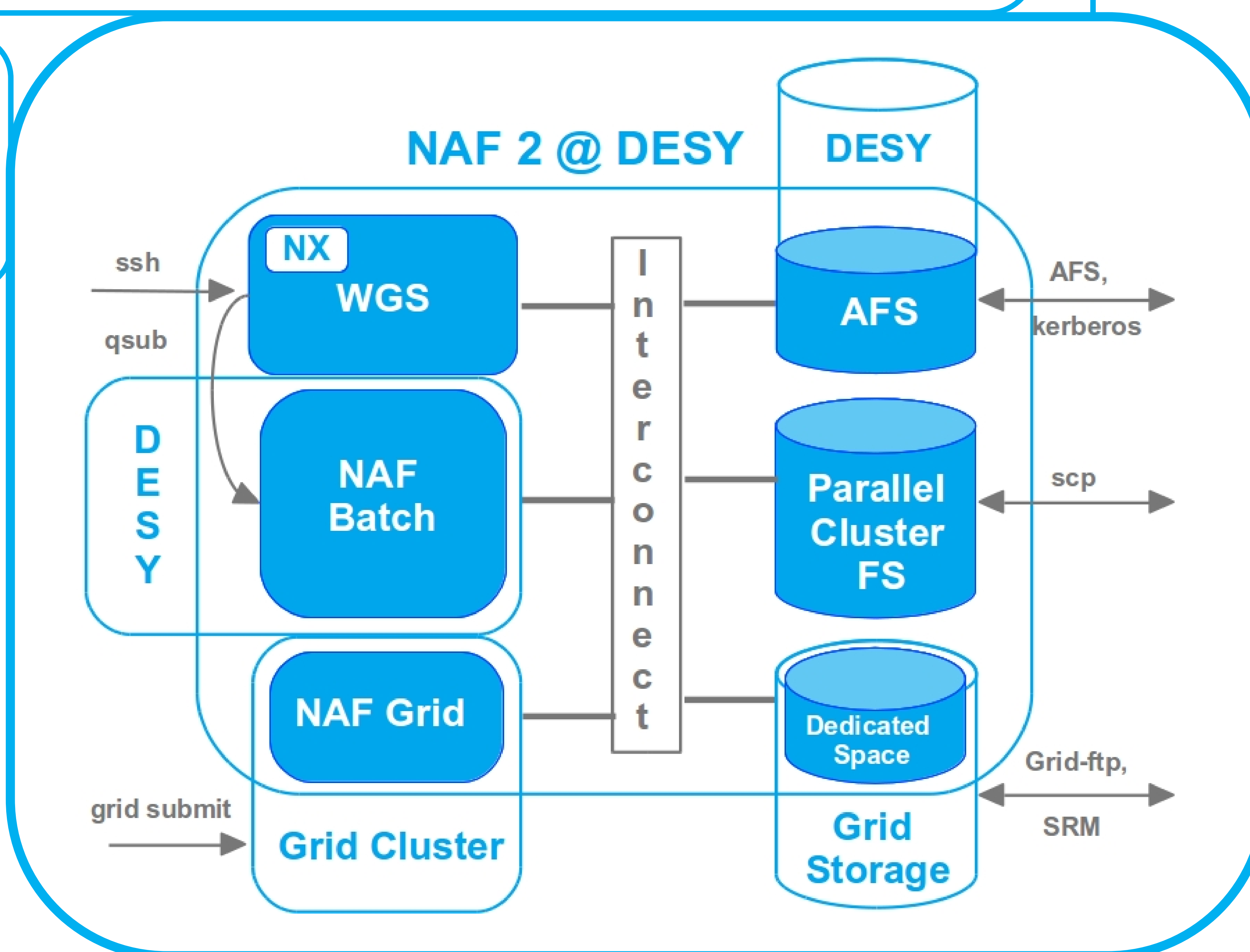
Why at DESY?

- Tier 2 are the analysis working horses in the LHC computing models
- DESY is largest Tier 2 ins Germany for ATLAS and CMS
- Offer additional access to data hosted at DESY Tier 2
- Make all data needed available in the NAF



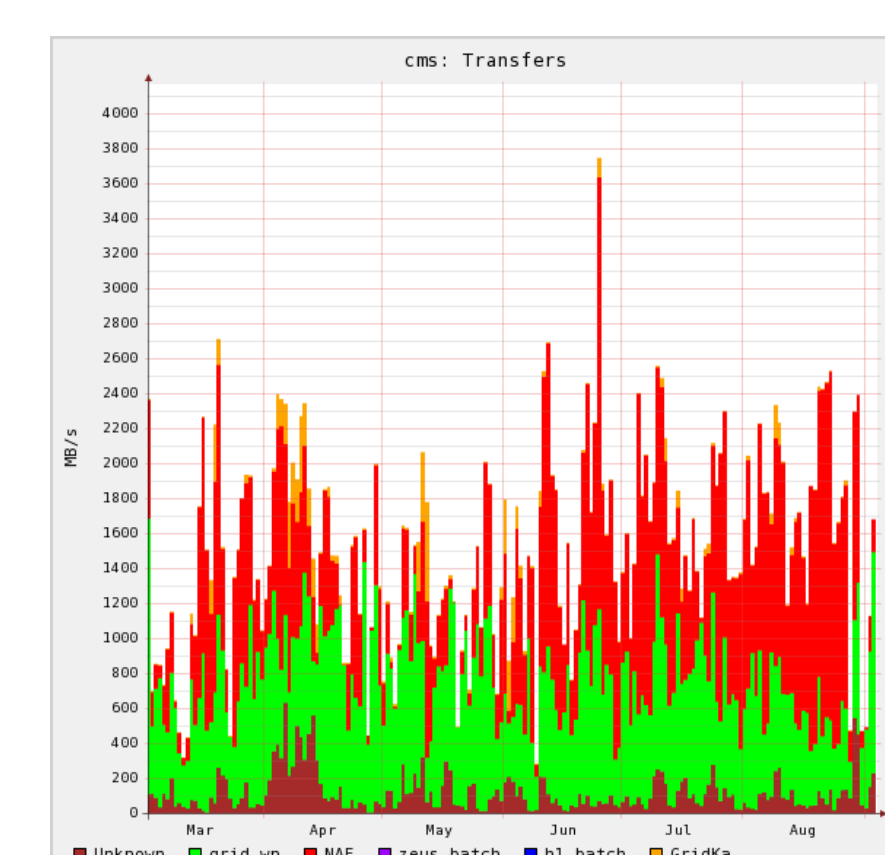
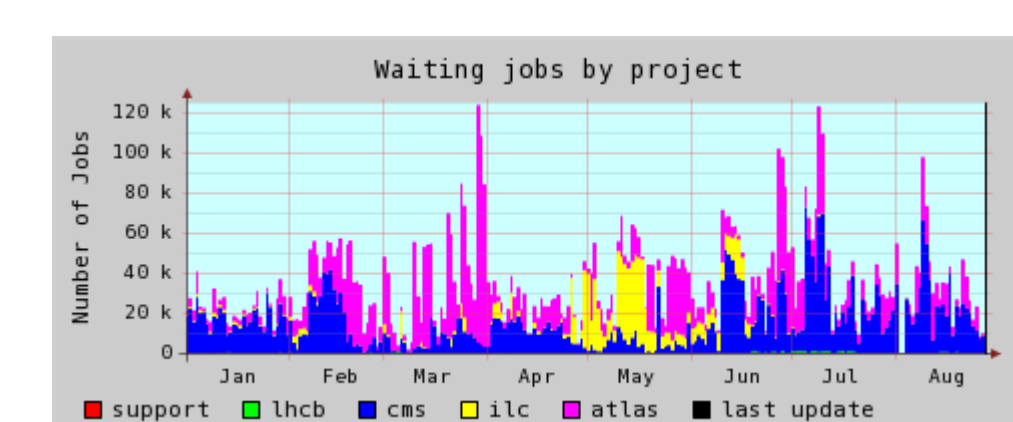
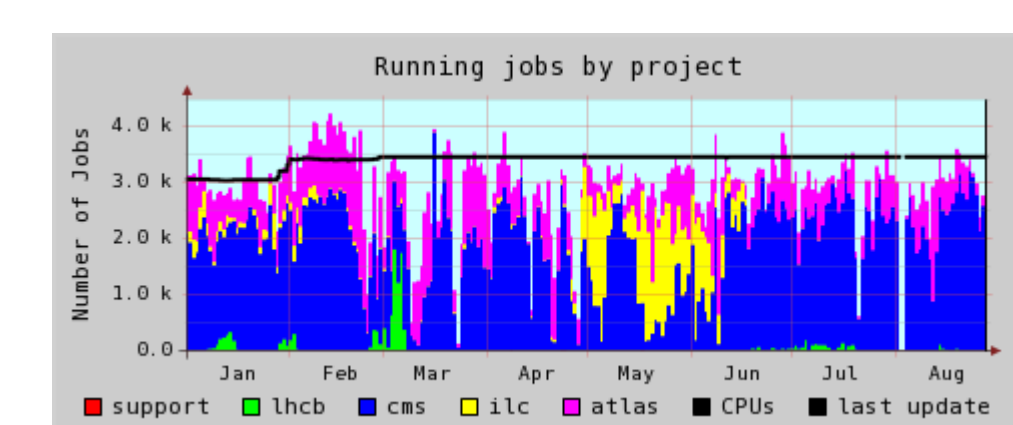
Resources

- 3000 job slots
- 600 TB scratch
- ~8 PB grid storage
- ~500 accounts overall
- SL5 and SL6



Usage

- 60% external institutes
- Well filled queues
- Substantial access to storage from NAF



User support

- Splitted Support Model:
 - General entry level for infrastructure related questions
 - Second-level support by experts from IT
 - VO related questions handled by experiment groups
- Monthly NAF Users Committee (NUC)
 - Invaluable input for NAF operations and further planning
- Annually user meeting to get a broader feedback and discuss changes and policies

Schools

- The NAF is used for national (e.g. ATLAS-D tutorial) and international (e.g. CMS DAS) schools

The Future

- 2014: finish transition from old implementation to new one
- Integrate more experiments: Belle recently joined, HERA experiments are to join; blueprint for experiments to come

Selected Papers with input computed on the NAF

- An Awesome Paper, Physics Letters B 666
- Another Cool Publication, Eur. Phys. J
- Yet More Exciting Stuff, Nature

