

Status of the Computing



Donatella Lucchesi

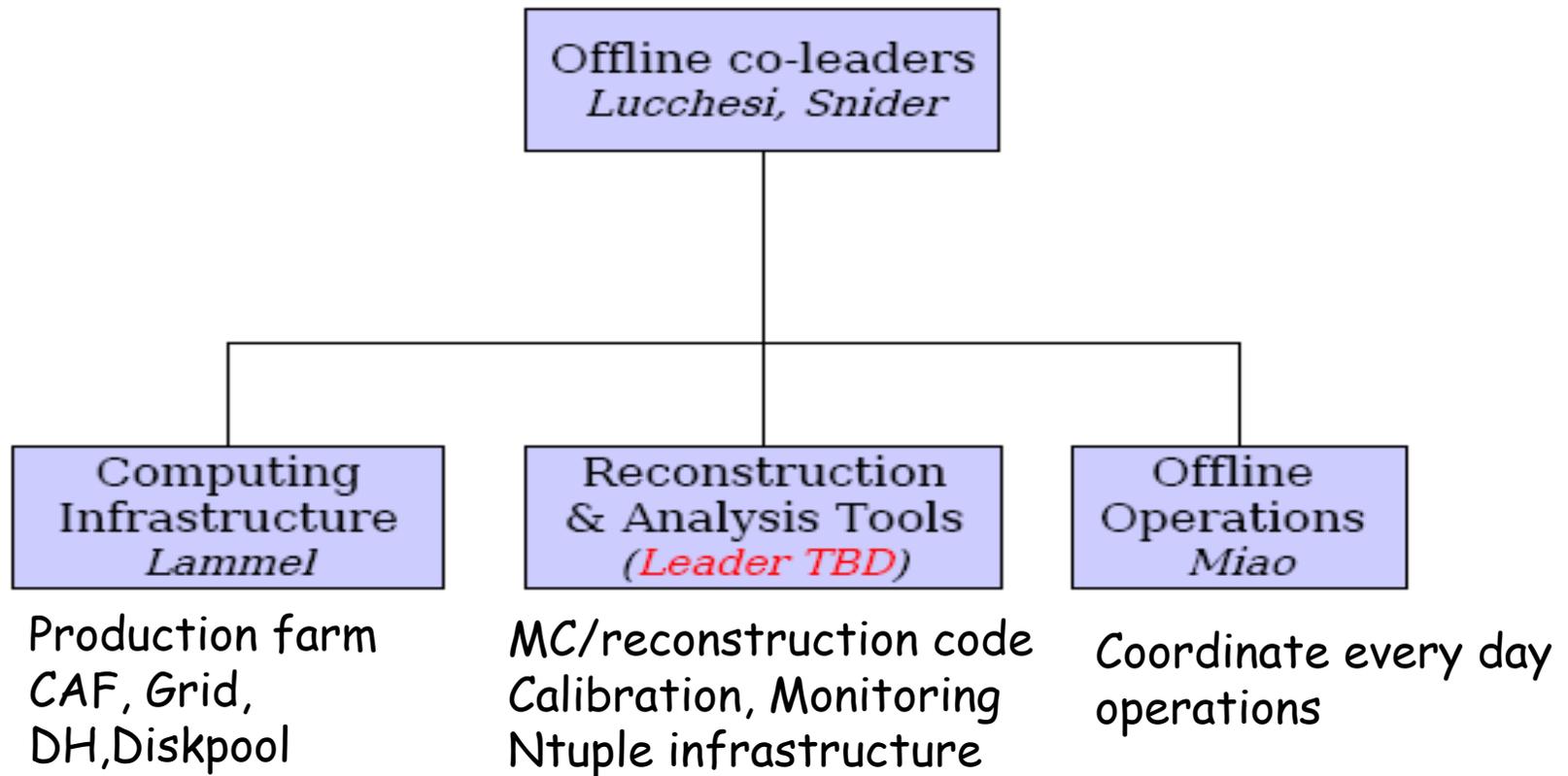
Reorganization plan

Status

Evolution of dedicated farms and Grid

People

Reorganization plan



Implication:

Gabriele Compostella: Responsible CNAF + CDF VOMS

Simone Pagan Griso : Responsible LcgCAF

Status of Production

- Data taken until March 31 corresponding to 2fb^{-1} will be available for summer conferences.
- Delay among data taken and available is the order of 2 months. We can do and will do even better.
- Physics groups are well organized (B physics in progress) with ntuples produced centrally on farm/caf after production.

Dedicated Farms



Dedicated Farms

Farm Evolution Plan:

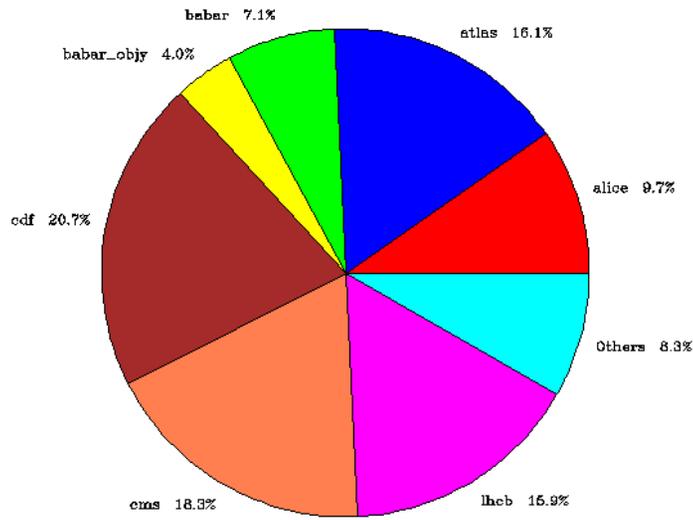
- CAF -> GlideCAF only one kind of farm to maintain
- dCAF -> merge in local Grid pools and accessed by Grid submission points.
- CNAF exception because has data, until SAM station SRM interfaced is deployed.

Disk space:

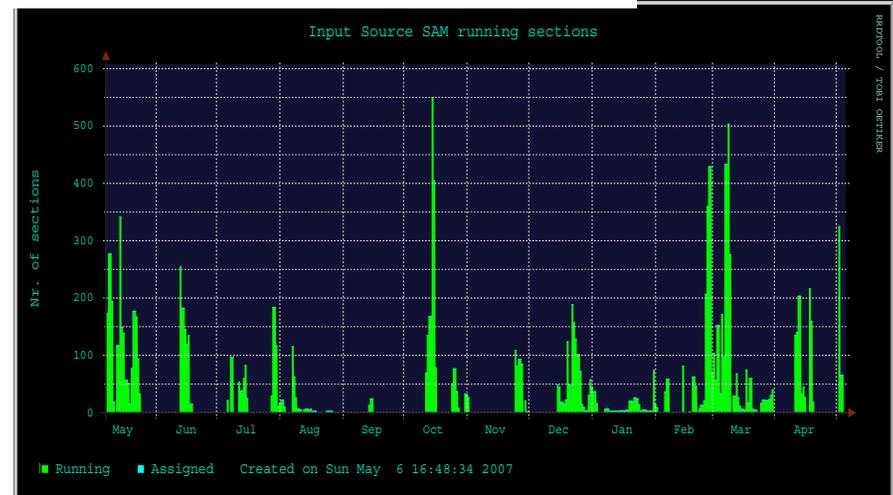
- St-ntuple on disk in a common area at FNAL.
- Plan to have a common space also for users, at the present ~50 TB available, not so well performing due to the technology used: dCache.
More space coming, new technologies under study.

Dedicated Farms: CNAF

CDF still the first!



Used also for data



Datasets available:

- B physics
- high Pt ntuples being imported

Disk space:

43 TB used for data, 32 TB free

Running on Grid

Idea: two submission points to access any site

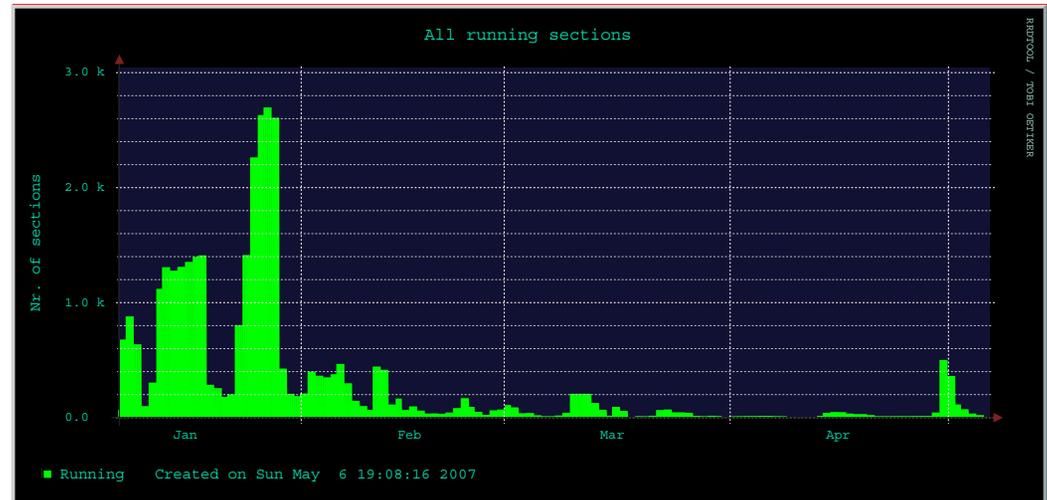


Running on Grid: status

NaMCAF: San Diego, Wisconsin, MIT, Florida, Fermilab

LcgCAF:

INFN-T1	Italy
INFN-Padova	Italy
INFN-Catania	Italy
INFN-Bari	Italy
INFN-Legnaro	Italy
INFN-Roma1	Italy
INFN-Roma2	Italy
INFN-Pisa	Italy
FZK-LCG2	Germany
IEPSAS	Slovakia
IFAE	Spain
PIC	Spain
IN2P3-CC	France
UKI-LT2-UCL-HE	UK
Liverpool	UK

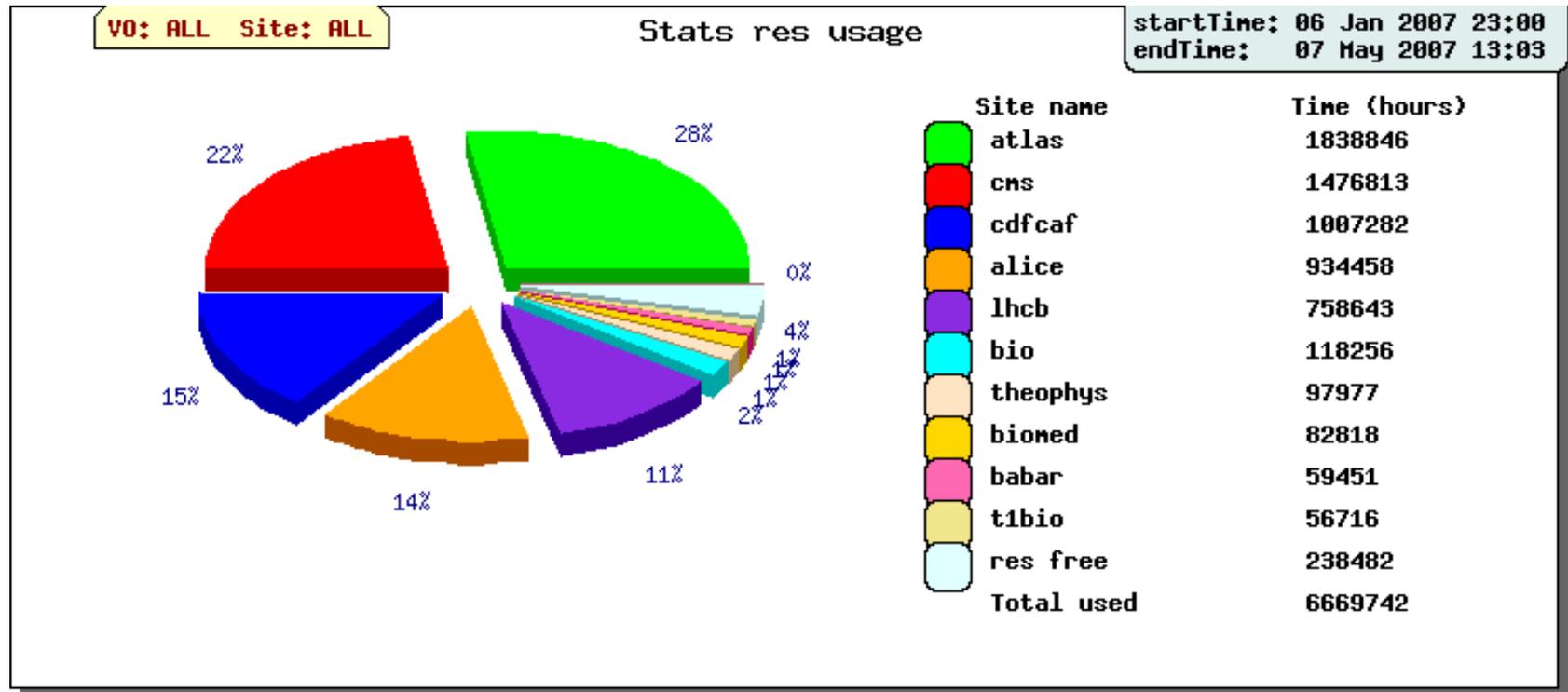


Under study how to transfer simulated data to FNAL
Issue in Grid

CDF contribution to Grid

- ✓ Help in debug the CNAF, efficient uses since the begin
- ✓ CDF first user of glide-in, debug and optimization
- ✓ Extensive use of WMS, intensive debug with developers
- ✓ Now we use WMS 3.1 in production
- ✓ Debug of many sites (tier-2)
- ✓ Tests of G-PBox to enforce roles and groups in VOMS and sites (analogous to queues)
- ✓ LcgCAF asked by Magic as portal for Grid submission... not enough manpower to do it.
- ✓ Optimization of Parrot (virtual filesystem) usage now under study by other community

CDF contribution to Grid: Results



Talks and papers: 3 CHEP06, Pasa06, EGEE06, IEEE06,
Super Computing 06, EGEE User forum 07
CHEP07:3 talks accepted

Manpower

D.L. and Rick Snider Co-head

Fermilab:

SAM support: 2 new persons from CD

CAF+dCAF: D. Benjamin, Federica Moscato, Peter Bednar

CDF code and user support: K. Genser + new person

Subgroup coordination: S. Lammel + new person

Farm Group: coordinated by T. Miao

Italy:

CNAF: G. Compostella

LcgCAF: S. Pagan Griso

One person from Frascati willing to join.

2 Laureandi.

AR to be assigned at CNAF

We are making big efforts to support the computing,
results are very, very good but we need more manpower!