

# Cloud Status & News Jan 2011

- Production:
  - Very good production rate last month, in particular over Xmas
  - Overall good performance and mostly stable operation in 2010
- Data management:
  - Proposed changes in progress:
    - Merge MCDISK into DATADISK
    - 'Sonar tests' started
      - Check direct transfers between arbitrary ATLAS sites (T2 ↔ T2, T2 ↔ T1)
    - PD2P in operation since a few months
      - IMO not clear if it's an improvement
        - Lots of ESD get distributed which fill sites but are hardly re-used
        - Results in lack of space at Desy for full AOD copy
      - Try to get more control on cloud level how it's used
  - → more in Cedric's slides

# 2010 Dashboard prod-statistics

- Overall DE cloud ~15% production Jan-Dec
  - GridKa T1 ~39%
  - T2 contribution check:
    - Nominal 50% site 3440 HS06 pledged → 1.3 e10 WallT secs per year
      - Take ¼ (=3.4 e9 WallT secs) as 'ballpark' target' → all T2s easily pass
      - Still a problem for Freiburg accounting?

site	success	failure	success (walltime)	failure (walltime)	efficiency	efficiency (walltime)
FZK-LCG2	3462585	318764	54732600214	3020135003	91.6%	94.8%
DESY-HH	878170	35104	15968469594	422621804	96.2%	97.4%
LRZ-LMU	763058	36495	13811689483	275290241	95.4%	98%
CYFRONET-LCG2	399095	32398	7344430926	571734232	92.5%	92.8%
wuppertalprod	383041	25554	7533567983	348827209	93.7%	95.6%
GoeGrid	326772	32568	5546463958	1017652226	90.9%	84.5%
DESY-ZN	335268	8718	6150977765	144809572	97.5%	97.7%
MPPMU	299417	12225	5493910618	234277863	96.1%	95.9%
UNI-FREIBURG	269777	9682	4674738524	181304268	96.5%	96.3%
praguefcg2	233567	15006	4510039780	157472737	94%	96.6%
CSCS-LCG2	205630	12471	4231583736	195594245	94.3%	95.6%
UNI-DORTMUND	125029	24408	2264517644	181555433	83.7%	92.6%
HEPHY-UIBK	130751	4722	2282138612	46509936	96.5%	98%
PSNC	75023	16470	1364231529	147048336	82%	90.3%
TUDresden-ZIH	71330	8444	1075376013	71196765	89.4%	93.8%
UNI_DORTMUND	0	9	0	0	0%	-
total	7958513	593038	1.36984736379e+11	7.01602987e+09	93.1%	95.1%

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- Batch shares atlasprd ↔ atlaspilot ↔ WMS-user at T2s:
  - So far we recommended: 50:25:25
  - In practice most user jobs via Panda/atlaspilot,
    - so propose to adjust to: 50:40:10
- Upcoming events:
  - DE networking workshop in Goettingen Jan 24  
*"Networking Requirements for LHC Data Analysis in Germany"*
    - <http://indico.desy.de/conferenceDisplay.py?confId=3823>
    - Participation: ATLAS, ALICE, CMS, T1&T2 sites from GridKa cloud, DFN, Cern-IT
      - Each T2 site is invited (1 person)
  - ATLAS ADC meeting in Napoli/IT, Feb 2-4:
    - <http://indico.cern.ch/conferenceDisplay.py?confId=111538>
    - Discuss longer term ADC plans
    - Limited participation
    - Conflict w/ next T1/T2 cloud meeting, nominally on Feb 2.