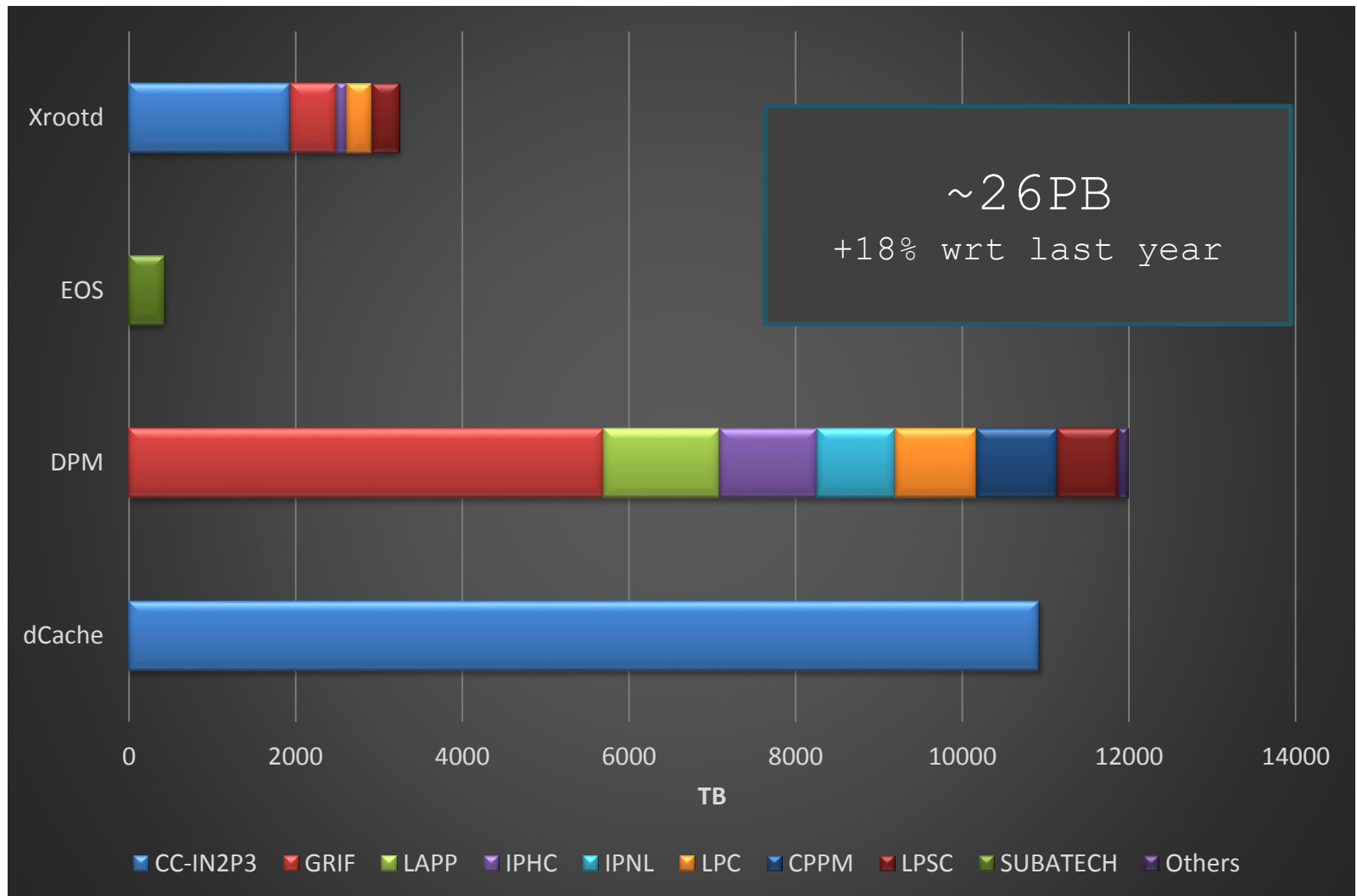


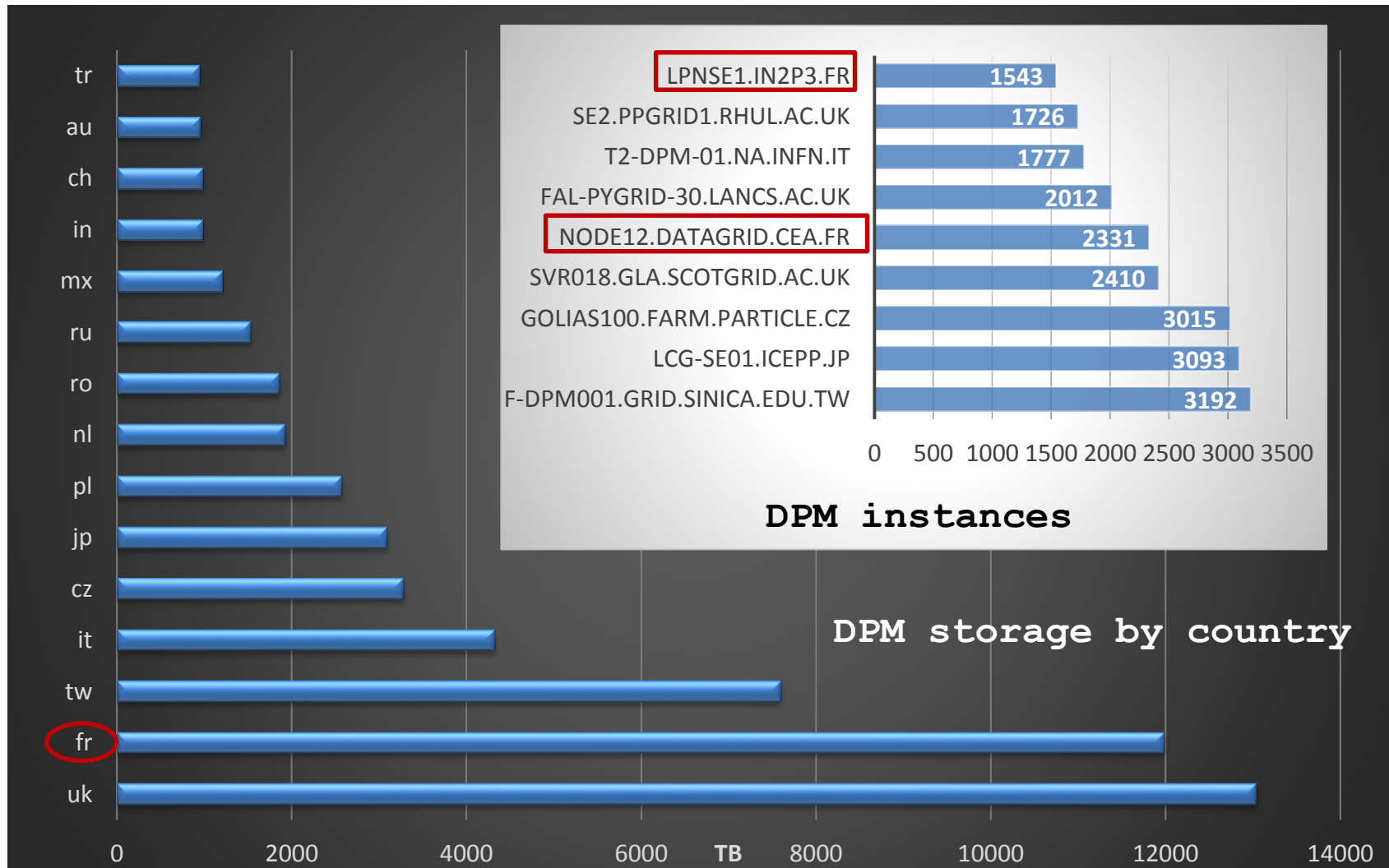
# *Status Report from France.*

A. Sartirana

# Grid Storage in FR.



# FR DPM Community.

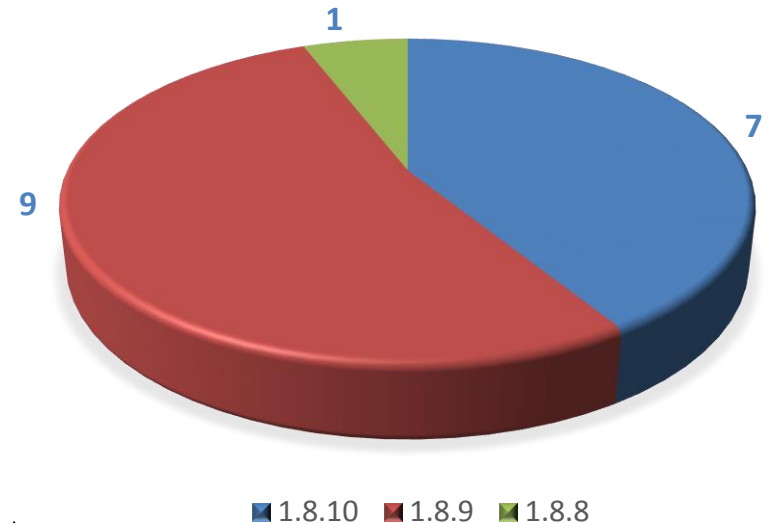


# FR DPM Community.

- A big community of DPM sites in France
  - ❑ mostly WLCG Tier-2/3 sites
    - ❖ also support non LCG VO's;
    - ❖ few small non lcg sites.
  
- A good product: no plans to move away
  - ❑ easy to use and manage
  - ❑ good integration with WLCG (MW, VO's, etc.)
    - ❖ integration used to be a concern (xrootd, CMSSW compatibility, etc.) but this seems to be over;
  - ❑ good interaction between admins/developers
    - ❖ extremely reactive support;
    - ❖ testbeds activity helps to keep the connection.

➤ Migration to 1.8.10 ongoing

- ❑ ~half of sites to go
  - ❖ waiting for Atlas green light;
- ❑ 1.8.8: test-only instance at Subatech.



➤ Most sites configured by Quattor

- ❑ maintained by the QWG community  
<https://trac.lal.in2p3.fr/Quattor/wiki/Doc>

➤ Some sites are migrating to puppet based config

- ❑ puppet: GRIF\_IRFU, CPPM;
- ❑ hybrid puppet/quattor GRIF\_LLR (soon: GRIF\_LPNHE/LAL, IPHC).

# *Sites Feedback.*

## ➤ Some issues dealing with releases

- ❑ they come unannounced... and sometimes unexpected

  - ❖ e.g. 1.8.10 has been a surprise for some sites;

  - ❖ would it be possible to announce the release on the list some time before it appears on epel?

- ❑ ... and UMD metapackages do not help

  - ❖ out of synch with epel. Quite annoying for non-puppet sites;

- ❑ old package versions may result in hard-to-debug failures

  - ❖ e.g. LPC problems with servers running an older dpm-dsi version;

  - ❖ it would be nice to have a place (a web page) with the list of packages supposed to work fine together.

# *Sites Feedback.*

- Some small issues with puppet modules
  - ❑ not obvious to pick up the correct puppet module version and know how to configure it
    - ❖ It would be nice to have some DPM version tags on modules (at least on some «top level» module);
  - ❑ some glitches: e.g. `dpmmgr uid`
    - ❖ [https://ggus.eu/index.php?mode=ticket\\_info&ticket\\_id=117975](https://ggus.eu/index.php?mode=ticket_info&ticket_id=117975).
  
- Historical issues with draining seem over
  - ❑ since 1.8.9 draining is reliable and fast;
  - ❑ still painful in the case of many small files
    - ❖ may a sort of «bulk» `rsync`-like draining help?
  - ❑ wish: «drain into this server» functionality
    - ❖ need a tool for a re-striping.

# *Sites Feedback.*

- SRM perfs are still a weak point
  - ❑ optimisation recipes are not enough
    - ❖ some sites - e.g. GRIF\_LPNHE - switched to high level HW: SSD disk, etc;
  - ❑ luckily LCG VO's use it lesser and lesser...
  - ❑ ... but when some other VO decide to use it ...
    - ❖ vo.complex-systems.eu managed to paralise GRIF\_LAL and GRIF\_LLRL by a flood of srm request;
    - ❖ now they have been redirected to webdav;
  - ❑ looking forward to a SRM-less world
    - ❖ need for non-srm support for spacetime: webdav, etc.



- T2\_FR\_GRIF\_LLOR testbed for CMS MW validation
  - ❑ small instance (3VM, 1.5TB)
    - ❖ hybrid quattor/puppet configuration: validation of new puppet modules;
  - ❑ validating CMS workflows on epel-testing releases and new configurations
    - ❖ PhEDEx transfers to/from IRFU and PIC in Dev instance;
    - ❖ hammercloud tests running on T2\_FR\_GRIF\_LLOR (by A.Sciaba);
  - ❑ recently much focus on validating gridftp redirection
    - ❖ running fine with PhEDEx/FTS3. Still some difficulties with checksum checking.

## ➤ LAPP testbed

- ❑ constantly updated to latest epel-testing releases
  - ❖ currently managed by hand;
- ❑ plans for the (near) future
  - ❖ join the ATLAS MW Readiness group;
  - ❖ move to a hybrid puppet quattor setup.

## ➤ GRIF\_LAL testbed

- ❑ up-to-date with latest epel-testing version;
- ❑ managed by quattor: validation of QWG templates.



# ***FR in the Collaboration.***

- French contribution to DPM Collaboration today
  - ❑ epel-testing testbeds at LAPP, GRIF\_LLRL, GRIF\_LAL;
  - ❑ CMS MW readiness (soon Atlas);
  - ❑ take part to the creation and validation of quattor (and puppet) configuration;
  - ❑ difficult to have a feedback.
  
- So...what about your feedback
  - ❑ is our contribution useful?
  - ❑ should we do more? ... or in a different way?

