Data Management I and II: recommendations

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- **LST and Demonstrators**
  - LST demonstrated being appropriate framework for evaluation of storage technologies and data management solutions
  - DirectIO test should be included (besides functionality)
  - Analysis over the WAN should also be included

- **EOS**
  - Deployment of EOS in production at CERN should proceed. EOS should be provided as a production service
  - WLCG should evaluates if EOS can be exported outside CERN

- **BNL demonstrator based on BlueArc**
  - Will provide file:// access in the LAN (pNFS)
  - Will be deployed as DDM endpoint (SRM+grdiFTP) + xroot(?)
  - endpoint will be provided by mid May and will become production if feedback is positive

- **General**
  - ATLAS should initiate a discussion (other experiments, main computing centers) to plan for the evolution of WLCG data management (but this was supposed to be Amsterdam, no?)
  - Focus on protocols (LAN and WAN; gridFTP+SRM, xroot, https)
  - This will have infrastructure consequences like the evolution of FTS, the end-of-life of SRM, etc..

- **Breaking cloud boundaries**
  - We should proceed with Fernando's proposal and start commissioning links through the sonar
    - Define few "bigT2s" and commission links with T1s
    - Leave to cloud support links within the cloud (to start with) and to other T1s. Follow the "channel priority" in the monitoring
    - Push SSB monitoring consolidation ASAP
    - Reuse CMS experience in links commissioning
    - Ask OPN to clarify procedure to debug channels
    - Ask OPN clarification about routing through T1s.

- **LFC consolidation**
  - Plan is understood both at the IT and ATLAS level

- PD2P
  - We accept Graeme's proposal and start replication based on thresholds (technical details up to Tadashi).
  - In parallel we also try the approach of replicating based on popularity and number of replicas (technicalities up to Cedric)

- Space organization
  - MCDISK and DATADISK consolidation largely agreed.
  - GROUPDISK should be also consolidated (need development in DDM, approx 6 weeks)
  - We offer group space to all groups at all T1s
    - » Group defines how many copies at T1s
    - » Decision of which T1 is up to DDM
  - PD2P should include group data
  - We remove group space at T2s (controversial)
    - » Alternatively, we offer T2 group space at "bigT2s" (same as T2s)