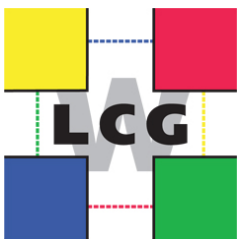# Database
Technical Evolution Group

Dario Barberis & Dave Dykstra

Mandate & Operation model

- The Database TEG has been charged with addressing four major topics:
  - - NOSQL vs Oracle, MySQL, etc
  - - Frontier, squids, vs 3D/Streams, GoldenGate, DataGuard etc
  - - CORAL, COOL
  - - What is framework for deploying new applications that need a DB?
    - ➢ (e.g. if dev has used a random DB, how is that made into a service?)
  - There may be more topics to add as we go along.
- Dave Dykstra (FNAL) and Dario Barberis (Genoa) have been appointed as Database TEG chairs.
- The WLCG MB expects as report at the end of 2011 (or more likely in January 2012).
- We planned 3 operation phases:
  1) topical discussions with the experts from now for the next month
  2) a workshop at CERN on 7-9 November (3 afternoons) addressing the above topics
  3) more discussions following the workshop to prepare a coherent report for the WLCG MB
    - ➢ if needed there may be another workshop in January 2012

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First steps

- Workshop on 7-9 November 2011:

  - Only afternoons. Mornings free for unscheduled discussions.

    - Conditions data, COOL, CORAL, Frontier and database replication and remote access issues

    - Usage, evolution and requirements of Online Databases

    - Relational and NoSQL databases for distributed applications, requirements and deployment models

      - Order of the sessions not yet fixed (input needed)

  - Agenda in https://indico.cern.ch/conferenceDisplay.py?confId=158091

- Mailing list of interested people: wlcg-teg-database@cern.ch

  - "Known" database contacts from the LHC experiments

  - People from the CERN IT-DB and IT-ES groups

  - Advertised to experiments and wlcg-grid-services lists for self-subscription