

# Storage and Data TEG

Introduction Slides  
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# Logistics

- Agenda page: <https://indico.cern.ch/conferenceDisplay.py?confId=165687>
- We'd like to get a final count for dinner.
  - <http://www.doodle.com/bdxe4hw2znmct64>
  - We have reservations here (<http://www.sluizer.nl/index-ENG.html>):
    - Sluizer Restaurants
    - Utrechtsestraat 41-45
    - 1017 VH Amsterdam
    - 7:00 or 7:30?

# Reflection on the Mandate

- To **reassess the implementation of the grid infrastructures that we use in the light of the experience with LHC data, and technology evolution**, but never forgetting the important successes and lessons, and ensuring that any evolution does not disrupt our successful operation.
- The work should:
  - **Document a strategy** for evolution of the technical implementation of the WLCG distributed computing infrastructure.
  - This strategy should **provide a clear statement of needs** for WLCG, which can also be used to provide input to any external middleware and infrastructure projects.

# Mandate, Continued

- The work should, in each technical area, take into account the **current understanding of:**
  - **Experiment and site needs** in the light of experience with real data, operational needs (effort, functionality, security, etc.), and constraints;
  - Lessons learned over several years in terms of **deployability of software;**
  - **Evolution of technology** over the last several years;
  - Partnership and capabilities of the **various middleware providers.**

# Mandate

- It should also consider **issues** of:
  - **Long term support** and sustainability of the solutions;
  - Achieving **commonalities between experiments** where possible;
  - Achieving commonalities across all WLCG **supporting infrastructures** (EGI-related, OSG, NDGF, etc).

# Current Status

- Formalized the list of topics we want to address.
- <https://twiki.cern.ch/twiki/bin/view/LCG/TopicsDataStorageTEG>
- Collected input from all experiments.
- [https://twiki.cern.ch/twiki/bin/view/LCG/WLCGTEGDataManagement\\_ALICE](https://twiki.cern.ch/twiki/bin/view/LCG/WLCGTEGDataManagement_ALICE)
- [https://twiki.cern.ch/twiki/bin/view/LCG/WLCGTEGDataManagement\\_ATLAS](https://twiki.cern.ch/twiki/bin/view/LCG/WLCGTEGDataManagement_ATLAS)
- [https://twiki.cern.ch/twiki/bin/view/LCG/WLCGTEGDataManagement\\_CMS](https://twiki.cern.ch/twiki/bin/view/LCG/WLCGTEGDataManagement_CMS)
- [https://twiki.cern.ch/twiki/bin/view/LCG/WLCGTEGDataManagement\\_LHCb](https://twiki.cern.ch/twiki/bin/view/LCG/WLCGTEGDataManagement_LHCb)

# Current Holes

- Places where I think our discussions have had holes:
  - Understanding site needs.
  - Understanding directions of our middleware & infrastructure partners.
  - Achieving commonalities between experiments.

# Workshop Format

- Divided the topic list into 8 sessions.
- Each topic gets about 2 hours of discussion time.
- There will be some introductory slides from a session lead summarizing the status quo.
- And an enforcer in each session charged with taking notes and keeping the group on topic.



# Workshop Format


- Before we dive into topics, we have carved out time for some “lightning talks” for storage providers.
- Idea is to provide an opportunity to outline the “major directions” of their projects.
- Hopefully the shortness of the time will help focus on only the most important aspects.

# The Diagram

- We've discussed the creation of a "layer diagram" for Data Management and Storage Management several times.
- Would be nice to start thinking about it during this workshop, although there's no explicit timeslot.

# Goals

- Goals for this workshop:
  - Examine each of our topics thoroughly; we switch from gathering experiment input to a forward looking.
  - We should have a solid statement of status quo for each topic area.
  - Beginning of a strategic vision.
  - Beginning of a “layer diagram” for services (?).
  - Begin an outline for our report.
  - Do writing assignments for each topic.

A yellow sticky note with a small 'x' icon in the top right corner and a small icon in the bottom right corner. The text on the note is: "Shall we pick editors up front for each area?"

Shall we pick editors up front for each area?