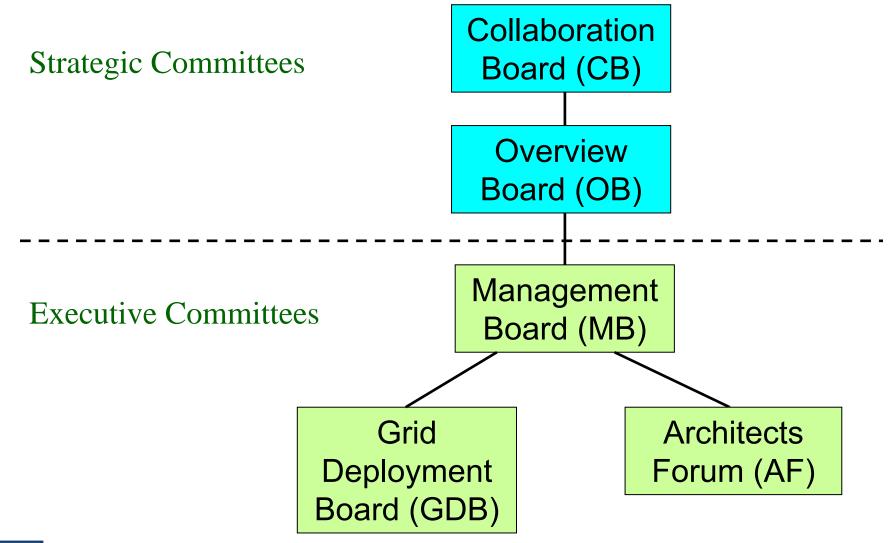# WLCG Overview Board

Activities in the first year

Full details (reports/overheads/minutes) are at:

http://indico.cern.ch/categoryDisplay.py?categID=860

Individual meetings are protected by the keyword "lcgover"

WLCG Committee Structure

Strategic Committees

Collaboration Board (CB)

Overview Board (OB)

Executive Committees

Management Board (MB)

Grid Deployment Board (GDB)

Architects Forum (AF)

Role of the Overview Board

- Standing sub-committee of the CB. Operates by delegation from the CB. Membership comprises representatives of Experiment, LCG and Tier-1 managements

- Technical discussion on strategy, policy and conflict-resolution

- At it's first meeting, the Overview Board decided:
    - It should be presented well ahead of time with well-defined points to debate and eventually decide – *this has proven hard to implement in practice*
    - It's decisions are to be considered as binding on the Tier-1's but any decisions affecting the Tier-2's need prior consultation

Meetings

- 1st 20 March 2006 (six weeks after the first CB meeting)
- 2nd 12 June 2006
- 3rd 11 September 2006
- 4th originally planned for 18 December 2006 but will now take place on 29 January 2007 (four days from now).

Themes

- Project Status Reports at each meeting → tracking of (e.g.):
    - Deployment
    - Service Challenges
    - Usage by experiments

    Showed the steady progress being made but also allowed many issues and problems to be flagged

- Some particular themes followed through the meetings:
    - Use of VO-boxes
    - Accounting
    - Tier-1 – Tier-2 associations and dependencies
    - Capacity and the capacity ramp-up profile

- On today's agenda (apart from this report) the point on "revised capacity plans" is a direct result of discussions in the Overview Board

Use of VO-boxes

- 1st meeting

    - VO-boxes deprecated but tolerated (noted that would be hard for Tier-2's to install them). Tier-1's asked to allow them for now. Left to individual Tier-2's to decide for themselves.

- 2nd meeting

    - Thanks to specific meetings led by C. Loomis, it was possible to identify two VO-box service classes:

        1. can be tolerated;
        2. must eliminate as soon as possible (system admin's object to them).

    - Two Class 2 services identified:

        - Package management (ALICE);
        - SRM functionality (CMS) – now supplied by SRM 2.2

- 3rd meeting

    - No more issues raised

Accounting

- **1st meeting**

  - Accounting recognised to be urgent and necessary at VO level, later at user level.

- **2nd meeting**

  - Monthly figures becoming available per experiment. Overview Board re-affirms its wish to monitor these figures at each meeting and to approve any figures to be shown to the C-RRB

- **3rd meeting**

  - Overview Board approved figures to be shown to the October C-RRB, now systematic for the Tier-0 and Tier-1's, and covering the period April-August in terms of installed capacity, by site (in the end the C-RRB was shown the January-August figures)

Tier-1 – Tier-2 dependencies

- **1st meeting**
    - Overview Board affirmed that urgent to settle this point; considered to be work for the experiments

- **2nd meeting**
    - All four experiments reported, also explaining their data models:
        - CMS starts from position of no defined dependencies but is told this is unrealistic – network capacity is focused on the Tier-0+Tier-1's OPN
        - ATLAS plans specific associations forming a radial hierarchy
        - LHCb also sees a radial hierarchy, mostly driven by proximity or national boundaries
        - ALICE thought associations would be driven by national boundaries or bandwidth availability but plans nothing specific

Tier-1 – Tier-2 dependencies (ctd)

- **2nd meeting (ctd)**
  - Recognised need to separate *service* issues from *data storage/transfer* issues
  - Tier-1's confirmed that they plan capacity separately for each experiment – *not counting on timesharing*
  - Overview Board asked the Management Board to make a workable technical implementation of associations for the next meeting – conforming to the capacity actually available in the Tier-1's and in the form of a table

- **3rd meeting**
  - A team from the experiments had examined the bandwidth and Tier-1 storage requirements (using 2008 as reference year). This showed the load on the Tier-1's to be very uneven and a real shortage of capacity for ALICE.
  - But the topic was closed for the Overview Board – now to be handled via the MB (or perhaps a working-group)

Capacity ramp-up

- ### 2nd meeting
  - The Overview Board noted the schedule shift for LHC vacuum pipe closure from end-June to end-August but agreed that centres can only re-schedule purchases on a timescale of ≥ 6 months

- ### 3rd meeting
  - A review with the LHC machine of 2007-8 running and discussions with the experiments showed that CERN is now just 10% short of needed capacity. The assumption is thus that the experiment requirements for CERN can be compressed to fit with the presently available funding
  - The Overview Board agreed the importance of the experiments finalising their updated requirements by end-September so as to give a clear picture for the Tier-1's to the October C-RRB.

Points for the next meeting

- Survey of Tier-1 staffing levels (*Neil Geddes*)

- Project Status (*Les Robertson*):

    - Accounting

    - Reliability metrics

    - SRM 2.2

    - 2007 end-year schedule

    - Resource re-assessments (ahead of the April C-RRB)

    - SC4 post-mortem

- Number of data copies in the experiments' computing models (*Neil Geddes*)