

**DM** Data Management
CERN IT Department

## Workshop Goals

PIC, 20 April 2009

*Maria Girono, CERN - IT, Data Management Group*

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CH-1211 Geneva 23  
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**DM** Topics
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- Operations and Service Review
  - Status and Lessons Learned in 2008
  - Plans for 2009/2010 run
    - WLCG roadmap
    - H/W and S/W upgrades
    - Procedures review
    - New features
- Plans for 2009/2010 run
  - Experience and Requests from the experiments
  - Challenges and Experience from GAIA and GSI
- DBA Expert Session
  - Service Priorities and Enhancements
- Castor + SRM
  - Increase commonality between Tier1s and at Tier0
  - Consolidate Castor DB installation with the Distributed Database Operations

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**DM** Monday's Agenda
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Monday 20 April 2009

<b>09:30-&gt;12:00</b>	<b>Operations and Service Review</b>	Maria Girono (CERN), Luis Diaz (DBA)
09:30	Welcome and Workshop Goals	
09:50	WLCG Service Roadmap for 2009 / 2010 (No LHC) with review of WLCG, WLCG Collaboration Workshop agenda	Jens Schmitt (CERN)
10:00	Scale Test for Experiment Program - STEP 2009	
10:10	Service Issues - Outstanding Oracle bugs & service requests	
10:20	WLCG Operations Summary - What do DBAs need to know?	
10:30	Remaining challenge and directions... (DDL and beyond?)	
10:30	coffee break	
10:40	Tier0 and Tier1 Service Review/Plans Round Table with contributions by all the sites concerned	Site Representatives
12:00	Possible Service Upgrades: O/S, Oracle 11g, service enhancements (storage, ...)	Janek Wapraszak (CERN)
12:30	Streams Service Review and Outlook	Eva Dobrinic-Pencik
12:30	lunch break	
<b>14:00-&gt;18:00</b>	<b>Plans for 2009/2010 LHC Data Taking, Production &amp; Analysis</b>	Alexandre Vranichine (ANL)
14:00	Experiment Requirements : ALICE, ATLAS, CMS & LHCb	Edward Egelund (PFC/ANL)
14:40	ATLAS Oracle scalability tests	Florinda Tiqui-Arce-Viegas
15:00	Preventing Oracle Overload with Pilot Query	
15:30	coffee break	
15:30	Gala and its Data Processing Challenges	Pilar De Teodoro
16:30	Operational Experience in GSI with External Service Partner	Michael Dattinger

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**DM** Tuesday's Agenda
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Tuesday 21 April 2009

<b>09:30-&gt;12:55</b>	<b>DBA Expert Session</b>	Luca Canal (CERN)
09:30	Security Review	
10:00	Day-to-day DBA Operations daily checks, standard operation procedures.	Gordon David Brown
10:20	coffee break	
10:30	Data Life Cycle Review and Outlook	Luca Canal (CERN)
11:00	Storage Review Panel	Site Representatives
12:15	Use of Oracle VM	Luis Diaz (DBA), Mari Rodriguez (PFC)
12:30	lunch break	
<b>14:00-&gt;17:00</b>	<b>Tier1 CASTOR + SRM Issues</b>	Gordon Brown (STFC-RAJ)
14:00	Capacity planning for CASTOR databases	
14:20	CASTOR Issues at RAL	Marlene Suth (STFC)
14:40	T1-like DB setup at CERN to reproduce T1 DB problems	
15:00	coffee break	
15:15	Managing session and thread counts between database and CASTOR components	
15:30	DB monitoring/alerting for reliable execution of PL/SQL database jobs	
15:55	Integration of CASTOR DB clusters into the 3D monitoring	

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- Will try to keep to meet about 2-3 times/year
  - One meeting/year at Tier1 (please volunteer)
- Distributed Database Operations are perceived as the focal point for DB Service coordination
  - Now including CASTOR and Tier2 running Streams
- Important to follow what other communities do
  - GAIA, GSI, XLDB
- We should converge on which changes are still required for supporting the 2009/2010 run
- Thanks to all for coming and to Luis for hosting this workshop!

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