

R&D Workshop Proposal

- workshop located in between the collab. meetings
 - time window: Jan. 11-31 (conflict with production ?)
- primary goal of the workshop: define a plan for the SuperB R&D program to be carried out in 2010
 - the R&D program should prepare the ground for the development of the Computing TDR to be completed in 2011
 - workshop final document (II part of the Computing white paper) should provide:
 - a prioritized list of R&D activities to be pursued with indication of the motivations and the planning details (work breakdown to appropriate level, schedule, resources available and needed)
- discussions should be focused on characterizing the issues, their impact, what's needed to address them, rather than exploring the solutions right away (although the processes are always mixed

R&D Workshop Proposal (II)

- workshop should represent a great opportunity for carrying out constructive discussions that it's always difficult to find time for otherwise
- we should identify the topics where we need to deepen our understanding with preliminary work and/or external experts contributions:
 - b.t.w.: lecturers at ESC09 in general available to contribute

R&D program

- the content of the R&D program will partly depends on some general prerequisites:
 - assumptions (e.g.: exploitation of distributed resources)
 - basic principles (e.g.: quest for efficiency)
 - design goals (e.g.: use of same framework in online and offline)
 - external constraints (e.g.: location of sites where investments on computing will be favored)
- we should try to make them explicitate them in the White Paper I

R&D program

- the R&D activities will be of different kind, aiming at different goals:
 - clarify what are the open issues (known unknown)
 - e.g.: what could be the impact of the expected technological developments ?
 - investigate and validate ways to address known issues
 - genuine R&D
 - develop/implement solutions in those areas where the direction to go is pretty clear
- we should establish the priorities of the R&D activities via a quantitative, even if rough, assessment of costs (manpower) and benefits

Workshop organization

- how can we organize ourselves ?
 - decide the site: any offer ?
 - investigating sky resorts in the Dolomites
 - freeze the date
 - please start checking your agendas and circulate any conflict
 - make a preliminary list of issues and time to be devoted for the relevant discussions
 - I will circulate a first version early next week, but you should do your best to follow up
 - select those topics where we need external help

White paper layout

- Section 1: SuperB computing
 - [1,5 pp.] SuperB computing introduction (Mauro M.)
 - overall development strategy and global timeline, SuperB planning group work
 - [4 pp.] The baseline computing model (Fabrizio B, Mauro M. + ...)
 - mainly CDR description + additional requisites
 - [4 pp.] the computing requirements (Fabrizio B.)
 - updated CDR numbers
 - comparison with LHC
 - industry progress

White paper layout

- Section 2: the computing services, tools and resources for the SuperB TDR phase
 - [1-2 pp.] introduction: motivations, goals, timescale (David B.)
 - [8 pp.] the simulation tools (general description, status report as of 1/12/09, future work, manpower needs) :
 - [2-3 pp.] Full Sim (Andrea DeS.)
 - [5-6 pp.] Fast Sim and analysis (David B., Matteo R.)
 - [1-2 pp.] the software development and release tools (Roberto S.)
 - [2-3 pp.] the distributed production environment (Armando F., Eleonora L.)
 - [1-2 pp.] the collaborative tools (Alberto G.)
 - [1-2 pp.] computing resources requirements (Mauro M.)
 - [1-2 pp.] general planning

White paper (CWP)

- ~ 20-25 pages in total
- white papers subversion directory is ready:
 - <https://sbrepo.pd.infn.it:8910/DOCS>
 - specific commands for CWP:
 - checkout:
 - `svn co https://sbrepo.pd.infn.it:8910/DOCS/CWP09/trunk CWP09`
 - insert file
 - `svn add my_file`
 - commit file
 - `svn commit [my_file] -m "comment"`
- schedule:
 - summary with list of topics to be addressed in the various parts completed by Nov. 7
 - first version by Nov. 21
- first version of the complete document by Nov. 28

Hardware purchase

- initial requests:
 - 35 kE to add 50 TB of net disk space for SuperB at CNAF
 - 7 kE for three servers:
 - replace old server in Ferrara (LDAP + Wiki)
 - MacOS server for building SuperB release in Padova
 - server at LNF for new administrative and collaborative tool server
- referees' proposal
 - 40 kE in total assigned to Padova
 - not clear why 2 kE have been cut
- orders should be issued by ~ end of November
- Dell'Agnello (CNAF) already alerted
 - should receive and offer soon
 - let's define the priority and the configuration for the servers

Update on personnel

- recent discussion with INFN E.B. confirmed that:
 - no (good) news yet regarding the possibility of opening temporary positions now or in the first part of 2010
 - post-doc positions granted for 2009:
 - 5 for Detector TDR
 - 2 for Accelerator TDR
 - 1 for computing TDR support
- request for a post-doc computing position at CNAF has been frozen (distributed computing)
 - unique candidate already committed to CMS
- request for a post-doc computing position in Padova (offline infrastructure) submitted
 - one possible, but not certain candidate
- will need to start soon a wide search for more candidates