Enabling Grids for E-sciencE

- ***...“the purpose of the releases has changed from introducing <u>major functional changes</u> to implementing bug fixes and stability enhancements.”***
  - True for the WMS as well, from 3.2 on, which also showed high stability.

- **I would also add:**
  - The purpose of the release has also moved to working harder on integration
    - as we see with WMS 3.3: issues with new platforms, upgraded externals, work on MPs...
  - About stability, we must not lose what has been achieved
    - Work on the software process in tight cooperation, as a PT
      - *Improve testing procedures*
      - *Find a good balance with implementing new functionality*

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- **Bug fixing/support from 2008-04**
  - 148 savannah "bugs" (IC – Fix certified)
  - 75 GGUS "gLite Workload" tickets in terminal state (out of total 143)

- **WMS-UI**
  - release 3.3/3.4
    - #9432 porting to x86_64 SL5
    - #9435 implementing support for load balancing and client-side failover mechanisms (#7732 about HA)
    - #9434 enable JSDL-based submission (#7731)
    - #9433 implementing support for Gridsite delegation 2.0 (#7730)
      - *The WMP code is ready since the first restructuring*
      - *It requires WMS 3.3*
  - Plans for the next months:
    - be ready for a 3.5 when we collect enough bugs and for Ipv6 based load balancing (RFC 3484 rule 9)
    - 3.4/5 for Debian 5 (at least)

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- **WMS release 3.2**
  - #9793 ISM: restructuring of the II purchaser
  - #9428 parallel Match-making
  - #9459 redesign of the WM "core"
  - #9427 Optimisation/review of the algorithm for match-making with data and for generating the "brokerinfo" file
  - #9426 Implementation of "cancel" request for collections (#7734)
  - #11245 release 3.2.11 (unscheduled)

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- *#9781 release 3.3*
  - #9429 porting to SL5 x86_64
  - #12977 enable the selection of virtual machine images to be run on the WN ('parameter passing' to CREAM/BLAH)
  - #12979 enable rescheduling through a fixed timeout threshold (Removetimeout → Condor periodic_remove_expr)
  - #12977 enable the selection of virtual machine images to be run on the WN (parameter passing to CREAM)
  - #12983 improve error reporting of what happens in the jobwrapper
  - #11229 Improve job status changes detection in ICE
  - TDB yaim and release notes

- *#9875 release 3.4*
  - #12980 implement a general and adaptive feedback mechanism to migrate jobs stuck in blocking queues
  - Bug fixing

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- **General tasks**
  - #9431 improving documentation and creating/mantaining a dedicated web-site
  - #13101 Review copyright and license attributions in each module
  - #13005 Test full IPv6 compliancy of WMS 3.3 +LB 2.1
  - **Test WMS 3.3 + LB 2.0 in co-hosting**

- **Pending tasks**
  - #9430 integration with the gLite authorisation framework
    - Could go in 3.4, or in a potential 3.5 for SL5 if there's time
  - #7945: MPI jobs on multicore/SMP machines

- **Other possible releases**
    - Preference is to work on WMS release 3.3/4 for Debian 5 and WMS-UI release 3.4 for Debian5, MacOs, Fedora, ...

- **Some trivial comments**
  - start/end dates in savannah tasks could be split into *planned* and *real*
  - Take into account dependencies among tasks

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- **The major problem comes from upgrading to OpenSSL 0.9.8b (gLite 3.2)**
  - Gridsite bugs #56974 and #56238, now fixed/under testing
  - Proxy renewal registration still fails

- **Condor 7.4.1**
  - Fixes "Globus error 10: data transfer to the server failed" (#55452)
  - It will probably require an unscheduled release for SL4
    - Where we can add "parameter passing" to CREAM

- **Pre-certification/Certification**
  - new bugs were added in the meantime
  - estimate: another month