



GRID ENGINE COMMUNITY UPDATE

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Overview

- Status gridengine.sunsource.net
- New Projects
 - > ARCo
 - > Hedeby
 - > Testsuite
- Site Statistics
- QA Information
 - > Testsuite
 - > Bug / RFE Statistics

Status `gridengine.sunsource.net` (1)

- ~ 700 Members
- Mailing lists
 - > `announce@gridengine.sunsource.net`
 - > `users@gridengine.sunsource.net`
 - > `dev@gridengine.sunsource.net`
 - > `cvs@gridengine.sunsource.net`
 - > `issues@gridengine.sunsource.net`
 - > `gep@gridengine.sunsource.net`
 - > `globus@gridengine.sunsource.net`

Status `gridengine.sunsource.net` (2)

- Size of content / code
 - > ~ 60MB (10 MB binary, 50MB ascii)
 - > ~ 8500 files
 - > ~ 1.5 Million lines (1 Million code + 0.5 Million documentation)
- Documentation
 - > on `gridengine.sunsource.net`
 - > on `docs.sun.com`

New Projects - ARCo

- 26 Members
- Mailing Lists
 - > announce, users, dev, issues from gridengine project
 - > cvs@arco.sunsource.net
- Size of content / code
 - > ~ 3MB (0.5MB binary, 2.5MB ascii)
 - > ~ 900 files
 - > ~ 66000 lines (code + documentation)
- Documentation
 - > on docs.sun.com

New Projects – Hedeby (1)

- 24 Members
- Mailing Lists
 - > announce@hedeby.sunsource.net
 - > users@hedeby.sunsource.net
 - > dev@hedeby.sunsource.net (very active)
 - > issues@hedeby.sunsource.net
 - > cvs@hedeby.sunsource.net + cvs mailing lists for sub projects
- Size of content / code
 - > ~ 30MB (10MB binary, 20MB ascii)
 - > ~ 3.600 files
 - > ~ 400.000 lines (code + documentation)

New Projects – Hedeby (2)

- Sub Projects
 - > hedeby-config-center
 - > hedeby-n1sm-adapter
 - > hedeby-ge-adapter
 - > hedeby-security
 - > ...

New Projects - Testsuite

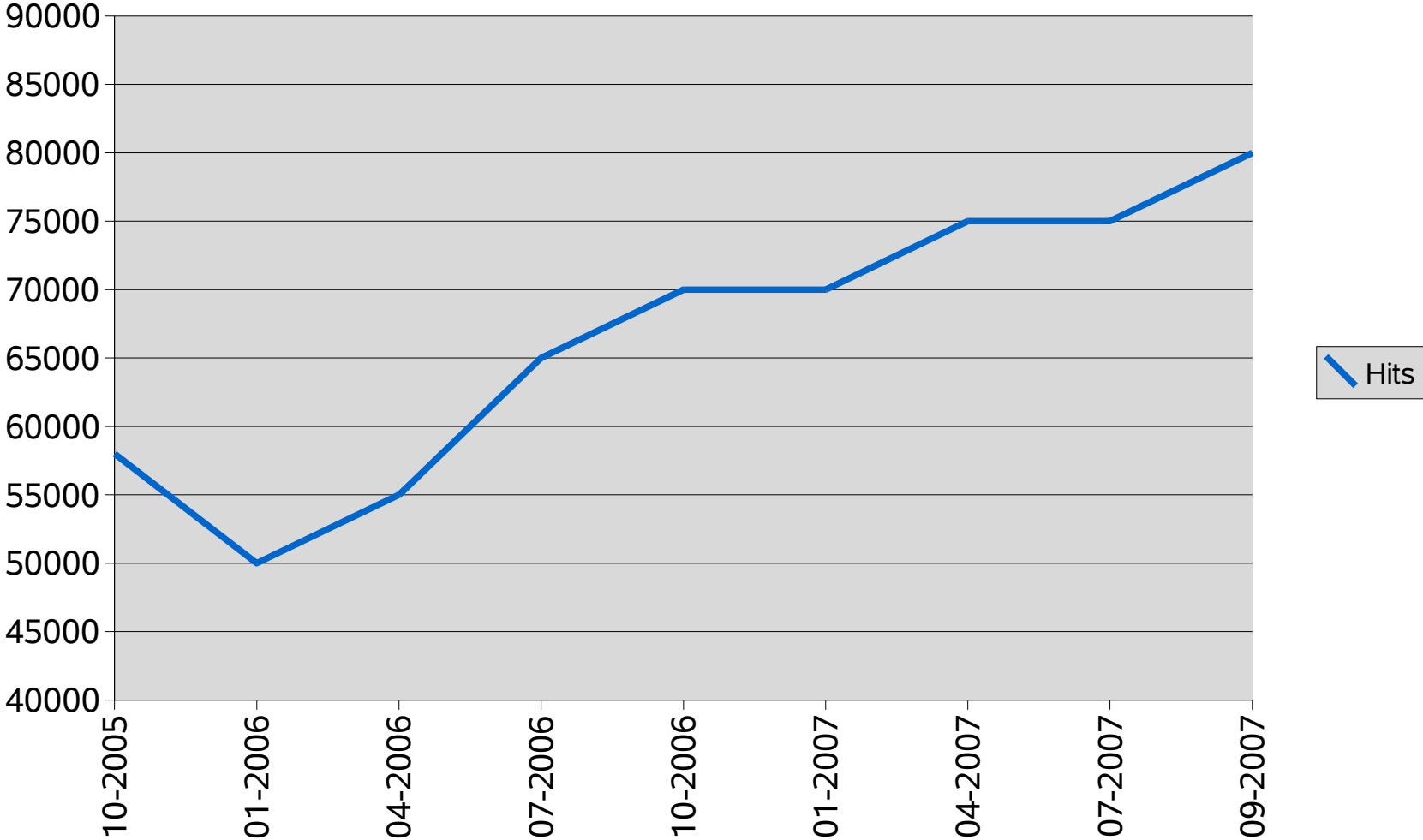
- 19 Members
- Mailing Lists
 - > dev@testsuite.sunsource.net
 - > cvs@testsuite.sunsource.net
 - > issues@testsuite.sunsource.net
- Size of content / code
 - ~ 5MB (0.4MB binary, 4.6MB ascii)
 - ~ 1.500 files
 - ~ 160.000 lines of code
- Documentation not yet public

Other Grid Engine related Projects

- drmaa4ruby.sunsource.net
 - > DRMAA binding for Ruby
- **Passau Grid Engine XML Parser**
 - > <http://passau.dev.java.net>
 - > Java API for accessing qstat output via JAX-B
- **OpenDSP**
 - > <http://sourceforge.net/projects/opendsp>
 - > Remote job management via secure DRMAA/JSDL framework
- **ComputeServer**
 - > <http://computeserver.dev.java.net>
 - > Framework for distributed Java applications on Grid Engine

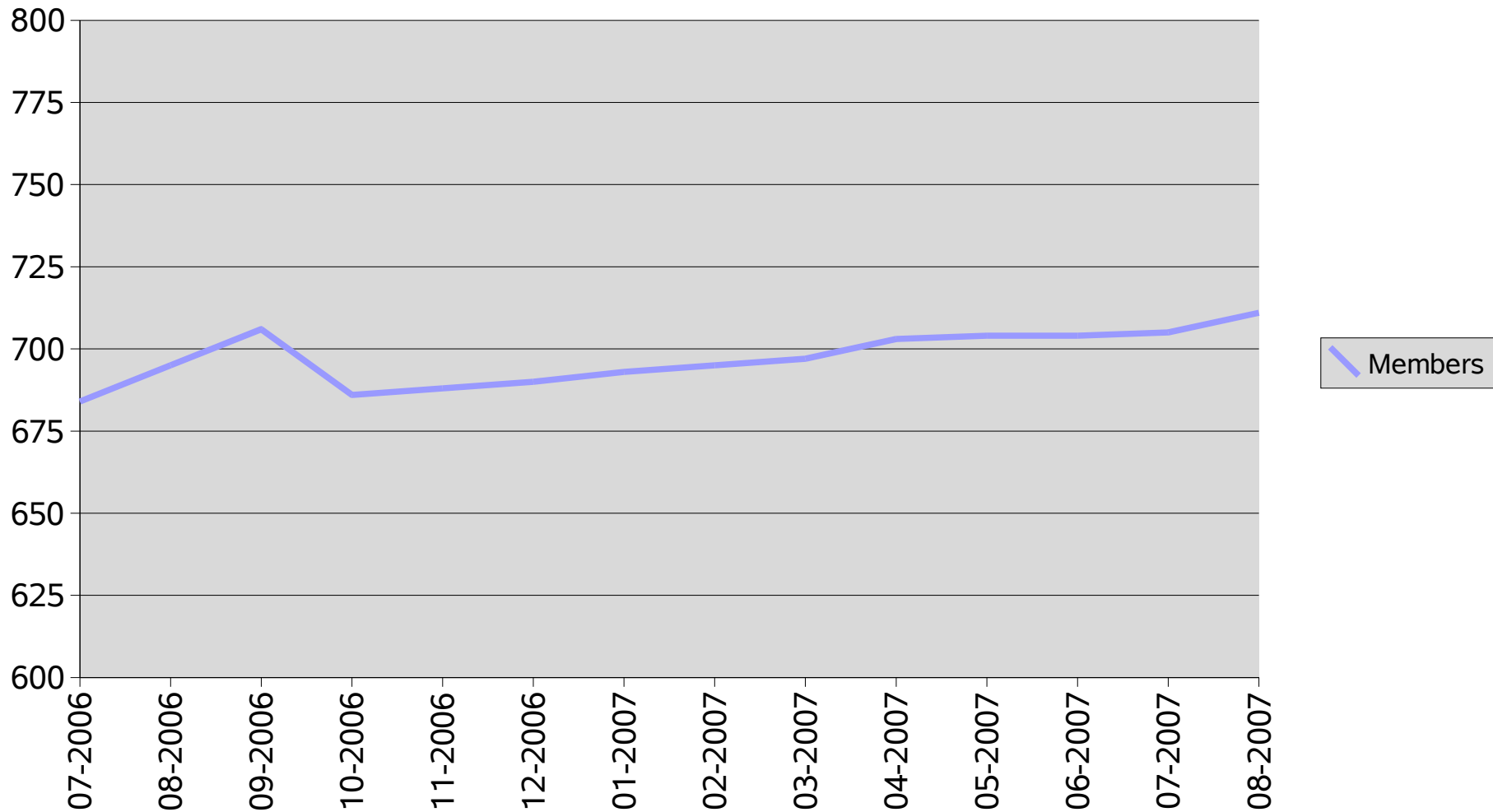
WEB Traffic Statistics

Page hits gridengine.sunsource.net / week



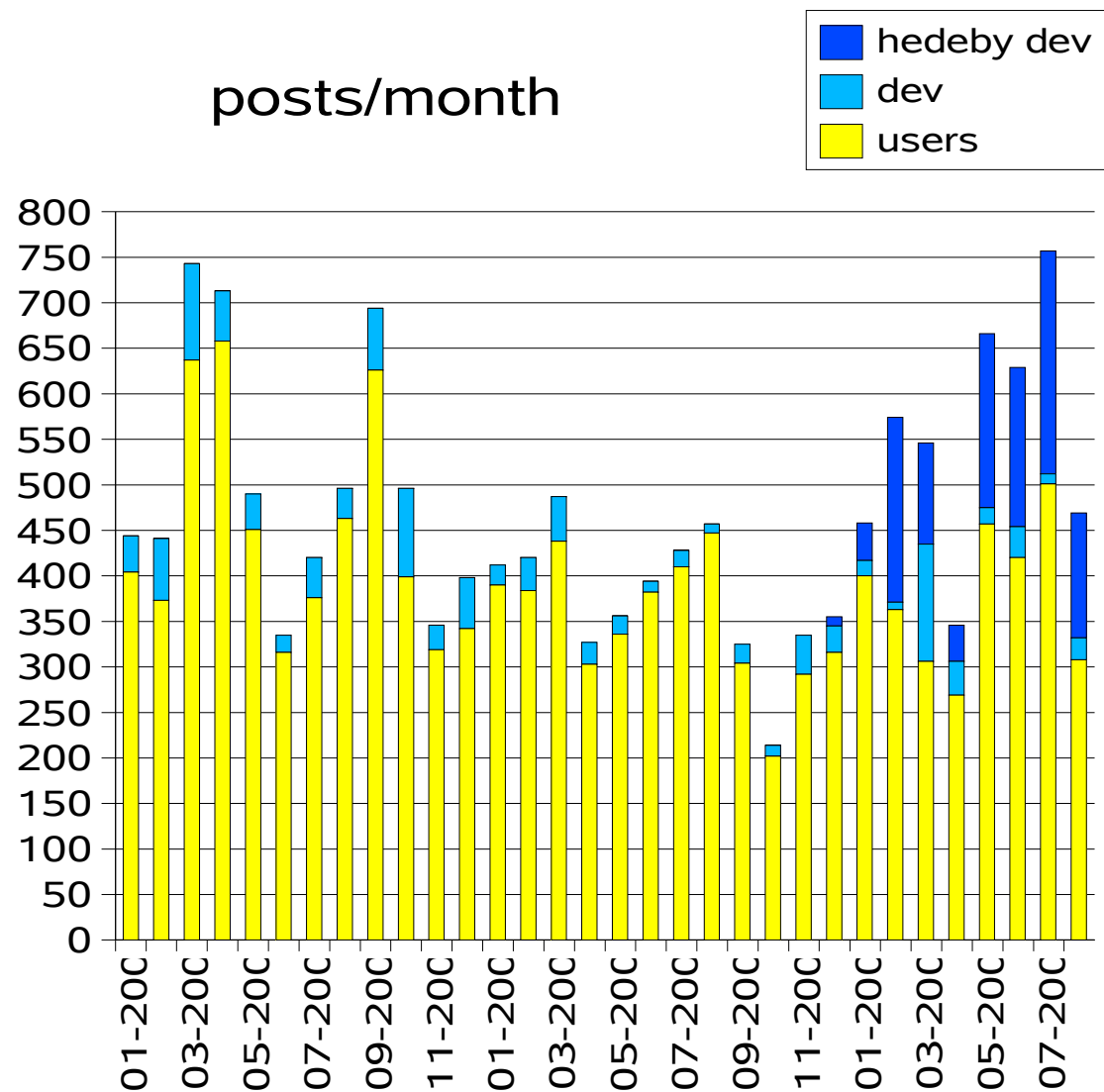
Project Members

Members of gridengine.sunsource.net



Mailing List Traffic

- avg pretty constant
- high traffic on users mailing list
- hedeby development discussions in opensource
- core system development discussions mostly internal



Users Mailing List – Top 10 Contributors

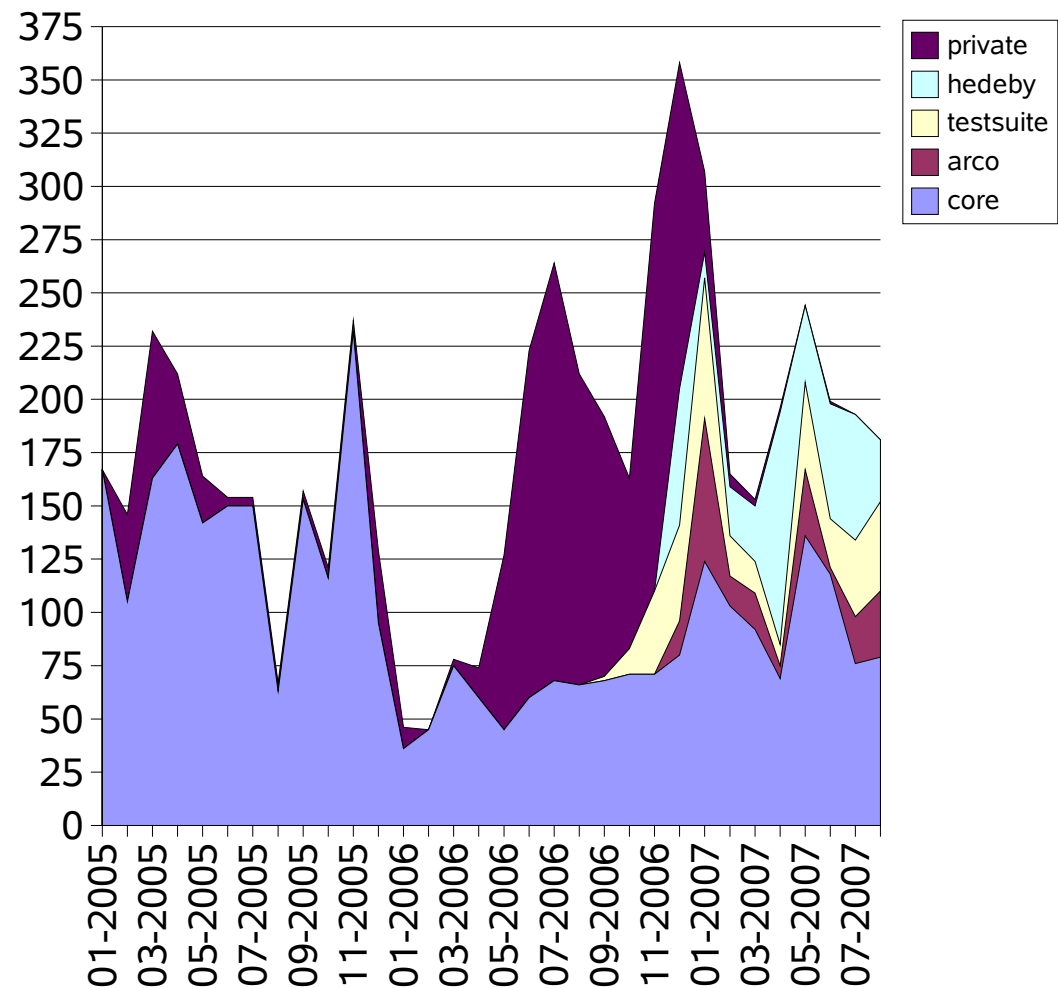
(June – July 2007)

- (1) Reuti (151)
- (2) Rayson Ho (108)
- (3) Daniel Templeton (98)
- (4) Andreas Haas (47)
- (5) Andy Schwierskott (42)
- (6) John Hearn (38)
- (7) Lönroth Erik (34)
- (8) Iwona Sakrejda (29)
- (9) Margaret Doll (27)
- (10) Fred Youhanaie (23)

CVS Statistics

- core
 - > including Testsuite until Sep 2006
- arco (> Dec 2006)
- testsuite (> Sep 2006)
- hedeby (> Dec 2006)
- private (before OS)
 - > arco
 - > hedeby
 - > windows port

cvs checkins / month



Community Contributions

- mailing lists, lots of support
- gridengine.info (Chris Dagdigan)
- Bug reports, partly with full evaluation and patches
- development projects
 - > ssh Tight Integration (Ron Chen)
 - > FlexLM Loadsensor Integration (Mark Olesen)
 - > Array Job Dependencies (Rising Sun Pictures)
 - > others

Grid Engine Testsuite (1)

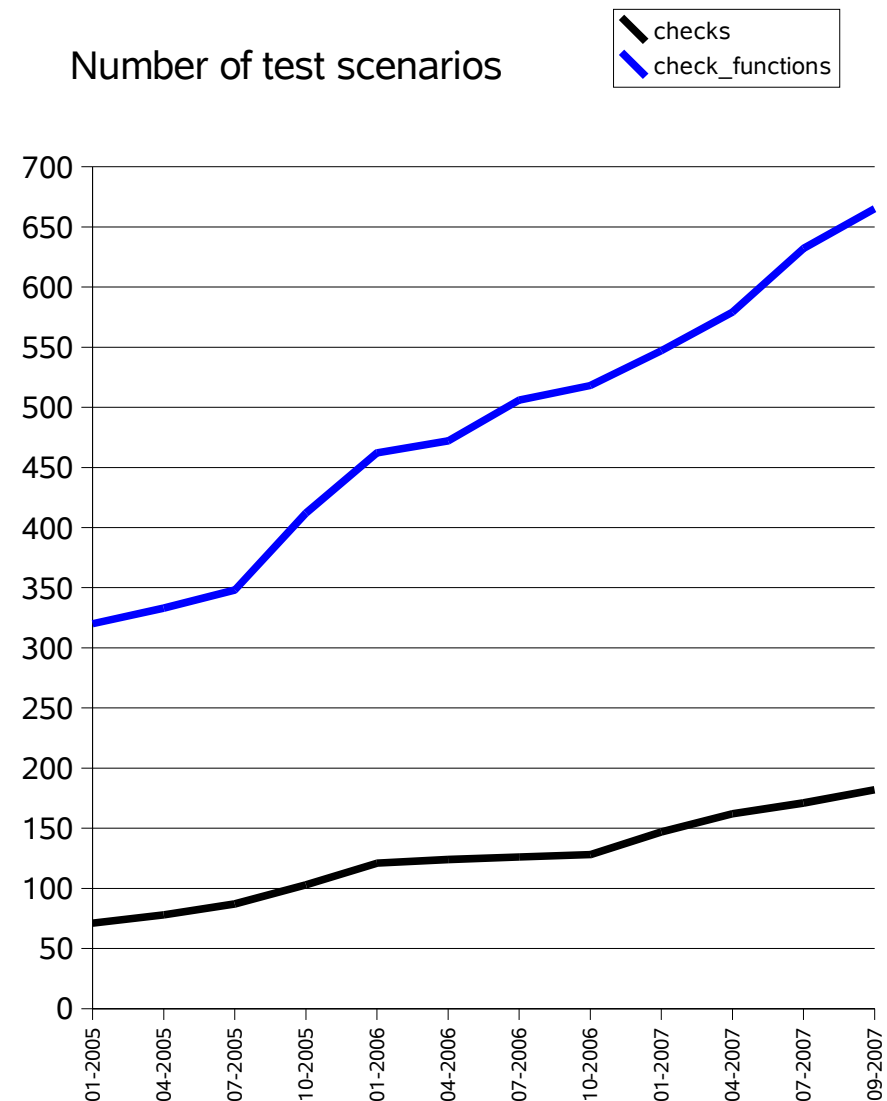
- Technology
 - > TCL/expect
 - > TDOM package for XML parsing
 - > remote execution via rlogin or ssh
- Scope
 - > core system (installation, daemons, all clients except qmon)
 - > arco (installation, dbwriter, cmdline tools, Junit tests)
 - > hedeby (installation, cmdline clients, Junit tests)
 - > all supported platforms
 - > all setup options (spooling, csp, admin user, ...)

Grid Engine Testsuite (2)

- Tested Functionality
 - > cvs checkout
 - > build + create packages
 - > install cluster, ARCo, Hedeby
 - > run test scenarios
 - module tests (JUnit, C module tests)
 - all options of all binaries
 - use cases
 - performance
 - fixed bugs

Grid Engine Testsuite (3)

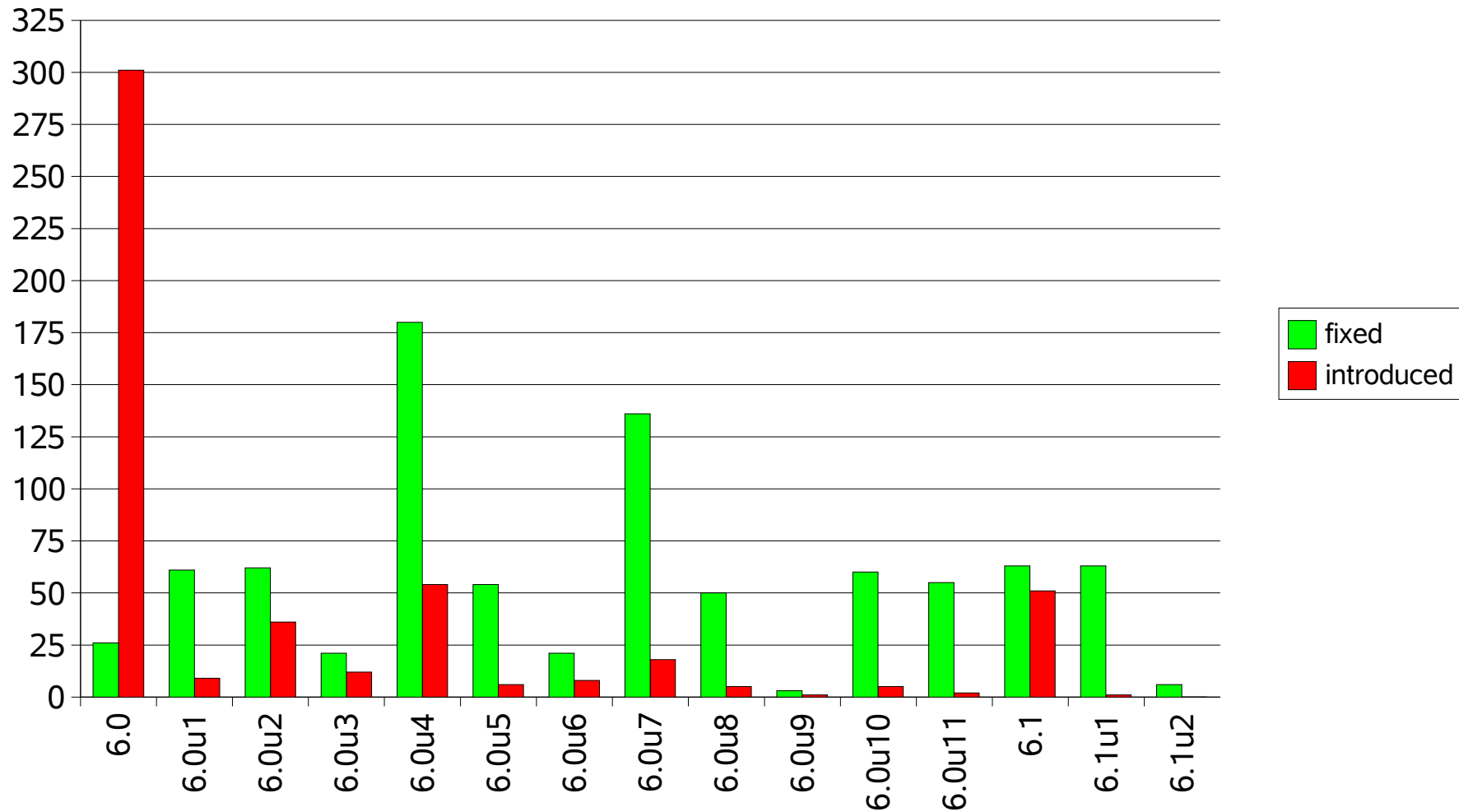
- checks consist of multiple check_functions
- many test enhancements, e.g. negative tests
- testsuite framework enhancements
- core system testsuite
- ARCo testsuite
- hedeby testsuite



Issues / Change Requests

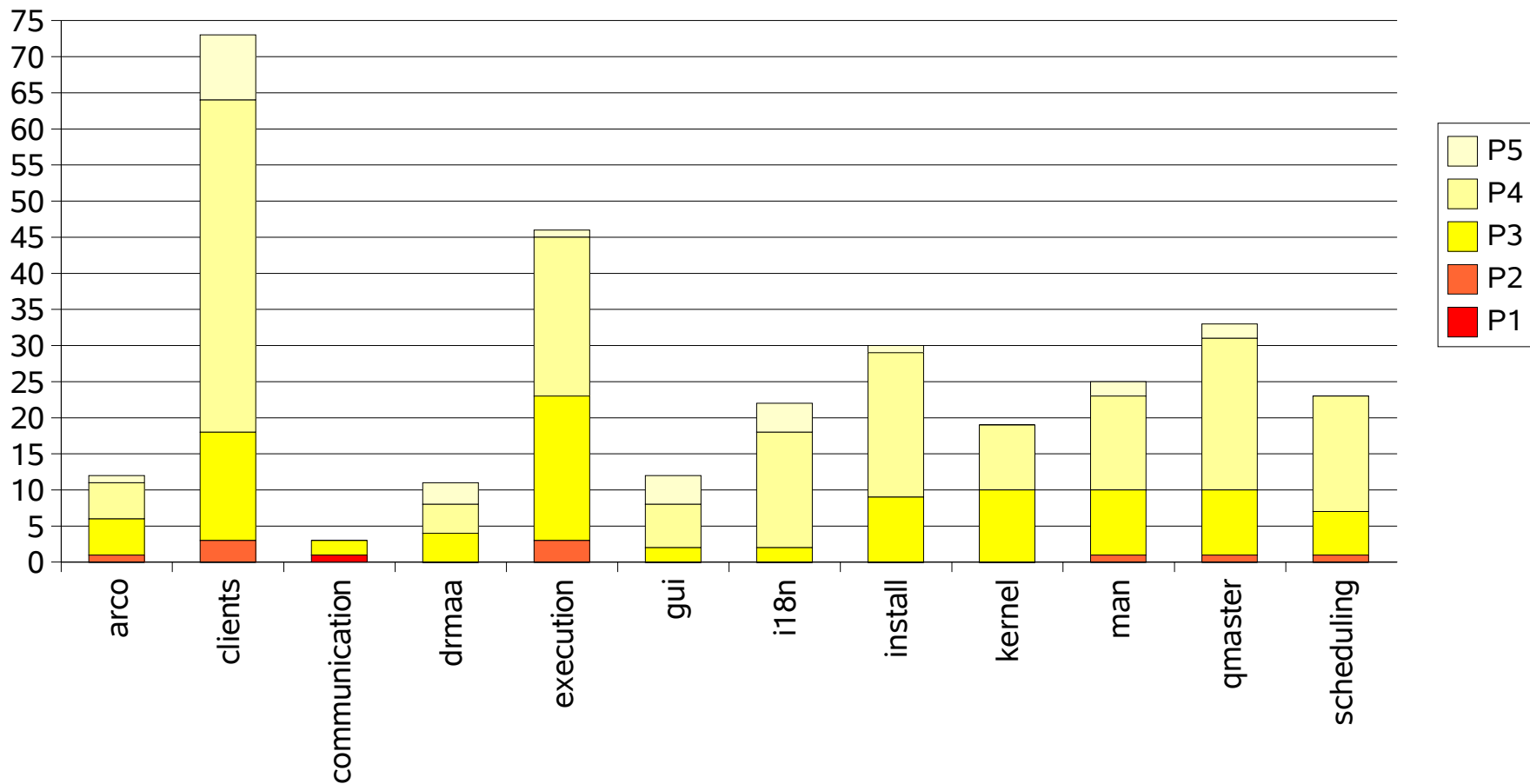
- 2 sources of information
 - > Issuezilla (gridengine.sunsource.net)
 - > Bugster (former Bugtraq, SUN tool, more fine grained info)
- Some numbers (based on Bugster):
 - > Total (open) 1959 (486)
 - > Bugs (open) 1690 (309)
 - > RFE's (open) 269 (177)

CR's Fixed / Introduced per Release



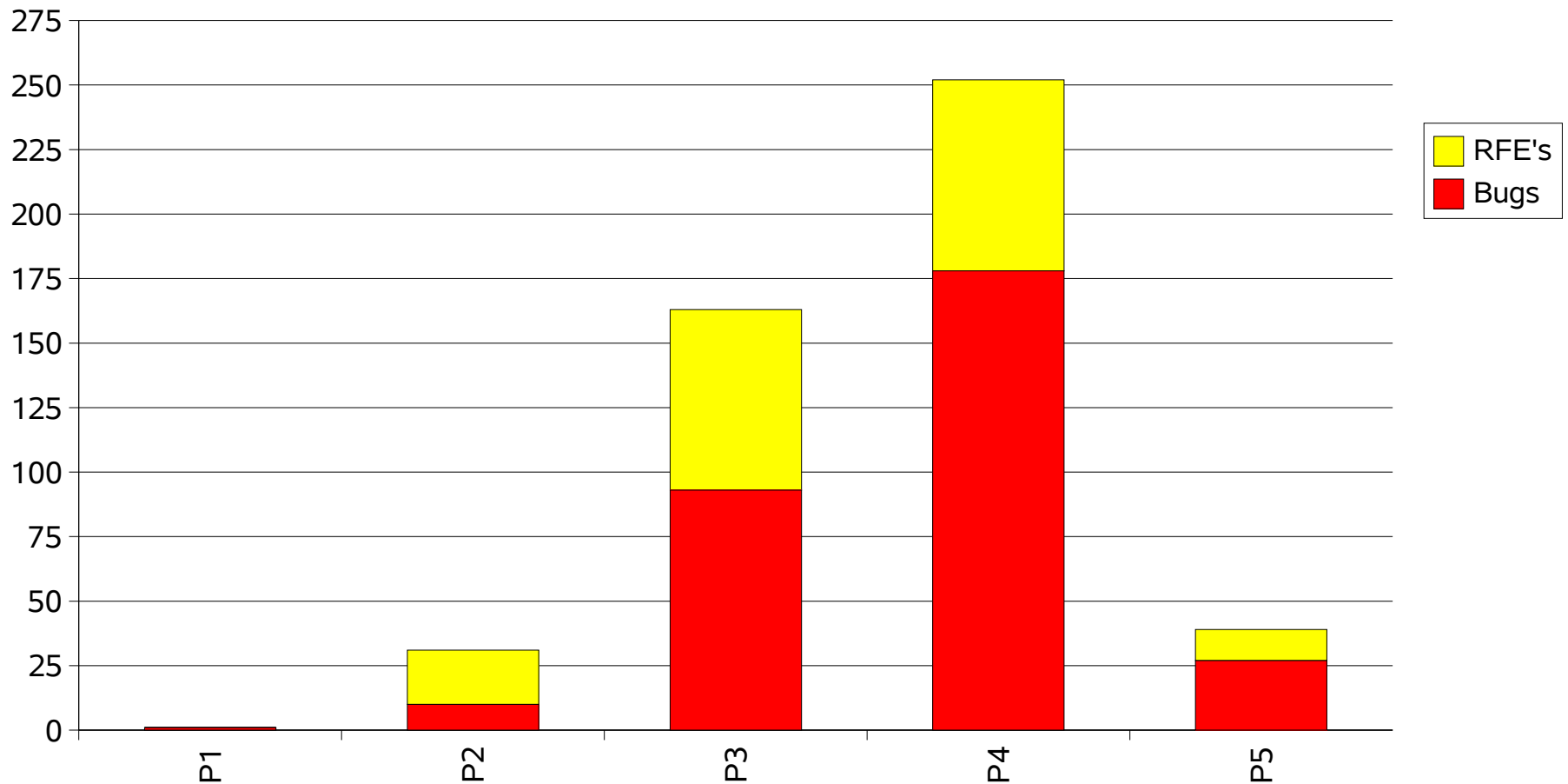
Open Bugs (Aug 2007)

Open Bugs by subcategory and priority



Open Bugs and RFE's (Aug 2007)

Open bugs and RFE's by priority





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