

## 01-07-2018 Meeting Agenda and Notes

### Statistics

Bug stats: 364 +27 -31 (357 +29 -52)

- Bug graph <https://i.imgur.com/V6RBmN6.png> (sorry, pasteboard.co is down)

Commits in the past week (copied from github):

- Excluding merges, **9 authors** have pushed **32 commits** to master and **44 commits** to all branches. On master, **38 files** have changed and there have been **588 additions** and **776 deletions**.
- Last week: Excluding merges, **10 authors** have pushed **74 commits** to master and **128 commits** to all branches. On master, **351 files** have changed and there have been **7,814 additions** and **4,843 deletions**.

Downloads ([downloads.kde.org](https://downloads.kde.org)): **44346** unique downloads

Web traffic: **83089** unique visitors, **256699** unique page views

Donations: **137,00** from 9 people. June: **2763,96** from **231** people May: **€2768,00** from **231** people.

### Sprint^WKritaCon

- 6 - 9 August
- <https://community.kde.org/Krita/Sprint2019>
- KDE e.V. has okayed the budget and opened an event on <https://reimbursements.kde.org/>

### Summer of Code

#### Remember to blog!!!

- Checklist:
  - Tusooa: <https://phabricator.kde.org/T10901>
    - three weeks ahead of the timeline.
    - next: undo/redo with shallow COW document clones
  - Sh-zam: <https://phabricator.kde.org/T10784>
    - adding touch support is going well
  - hellozee: <https://phabricator.kde.org/T10894>
    - working on optimizing the bounding box algorithm and completing the ui
    - The current branch is broken on anongit, we need a new branch
  - Blackbeard: <https://phabricator.kde.org/T10930>
    - has been sick, has started coding again

### Youtube and video

- Ramon is finishing the first video

### Fundraiser

- <https://phabricator.kde.org/T10283>
- September/October, to coincide with 4.3, which should be the Zero Bugs release
- A list of smaller projects/targets/bugs people can choose from
  - Bugs, features, all split up and estimated to one week, or all two weeks of work (granularity to be decided)

- We need some smaller rewards: what can we hand out as rewards for low pledges? Either immaterial things or something that fits in an A6 envelope and doesn't weigh more than say 50 grams.
  - <https://pinsandmore.nl/pins-en-speldjes/>
- We can do a project with Ramon to provide tutorials as a reward. This could be beginners tutorial on working with Krita, like Muses.

### Manual

- There is a phab task for the docs site organization: <https://phabricator.kde.org/T10178>  
There's a task checking what needs updating this year: <https://phabricator.kde.org/T10331>
- Nothing new today

### Website

- Nothing today

### CiviCRM

- Needs to be in good shape before the fundraiser.

### Release

- 4.2.3
  - The problems people have with transparent windows on Windows and crashes on startup are very worrying
- 4.3.0
  - September/October

### Builds

- No news

### Any Other Business

- Boud will be more AFK this week since Anintim and Aiswarya are visiting.
- Tiar is working on the list of things to write for the user support recruitment post
- Ivan wants to publish Krita videos on his own channel; irina will put it in the rotation
- 

### Doing/Done/ToDo

- Dmitry:
  - Todo:
    - Check Tusooa's python plugin: [https://invent.kde.org/kde/krita/merge\\_requests/46](https://invent.kde.org/kde/krita/merge_requests/46)
    - Check Tusooa's COW-flake MR: TODO-link-TODO
    - Check Hellozee's branch in main repo: [kuntalmajumder/T10894-magnetic-lasso](https://invent.kde.org/kde/krita/branches/kuntalmajumder/T10894-magnetic-lasso)
    - Benchmark new hash table on 8+8 cores system and compare results to the old one. Preliminary results on 4+4 system are mixed.
    - Check ports about WinInk's gestures support: <https://phabricator.kde.org/T10935>
    - Bugfixes:
      - [https://bugs.kde.org/buglist.cgi?bug\\_status=UNCONFIRMED&bug\\_status=CONFIRMED&bu](https://bugs.kde.org/buglist.cgi?bug_status=UNCONFIRMED&bug_status=CONFIRMED&bu)

[g\\_status=ASSIGNED&bug\\_status=REOPENED&email1=dimula73%40gmail.com&emailassigned\\_to1=1&emailtype1=substring&list\\_id=1606933&product=krita&query\\_format=advanced](https://bugzilla.kde.org/show_bug.cgi?id=1606933&g_status=ASSIGNED&bug_status=REOPENED&email1=dimula73%40gmail.com&emailassigned_to1=1&emailtype1=substring&list_id=1606933&product=krita&query_format=advanced)

- blockers
- asan crashes from Wolthera
- Done:
  - Tried to fix "stylus button as eraser" bug, but failed (wacom driver problem)
  - Tried to fix opengl startup crash problem, but failed
  - Finally applied for visa for the sprint!
- Wolthera:
  - Done:
    - Passed her thesis!
  - Needs to do:
    - Work on translatable images: <https://phabricator.kde.org/T10805>
    - Work on lag page.
    - Fix patch for openraster vector support: <https://phabricator.kde.org/D9228>
    - <https://phabricator.kde.org/D9877> (needs review)
    - Document KPL better, for inkscape devs.
    - Should mirror youtube vids onto peertube.
- Scott:
  - Done:
    - Update website to have OSX have a minimum of 10.12
  - Doing:
    - Maybe try to work on some animation curve fixes and usability improvements
- Boud:
  - Done
    - Bug fixing and bug triaging
    - Merged master to the resource branch
    - Started working on the resource branch again
  - Working on
    - Bug triaging and fixing
    - Resource rewrite
  - Todo
    - Fundraiser planning
- Windragon
  - (Doing) Looking at fixing some issues when using fractional DPI scaling
  - (Todo) random bugfixes?
  - (~~Doing~~ On hold) Experimenting with Rust
  - (Ongoing/Todo) Improve processing of DrMingw stack dumps (needs documentation))
  - (~~Todo~~) Maybe implement a hackish (probably not unlike other software that has this) WinTab mouse mode (by taking mouse coordinates with tablet pressure)
    - ~~Or alternatively, implement an actual relative mode?~~
    - <https://phabricator.kde.org/T8050>
  - (Planned for later:)
    - (Todo) Update docs on building on windows
- Irina

- Done:
  - Scheduled interviews until mid-July, if all prospects send something in I have interviews until early September (looks like that's happening)
  - Cycled youtube featured channel (this is the off week for interviews)
- Todo:
  - Figure out civicrm stuff: frustrating, got stuck on default form requiring info we don't (want to) ask for
  - Need more interviewees (Always need more interviewees!)
- Jouni ("tyyppi")
  - Doing
    - Animation cycles:
      - Testing and fixing validation logic
      - Remaining UI actions
  - Todo
    - Investigate how to lock reference images to viewport
    - Fix: manipulation cursors not shown correctly on reference images
    - Fix: artifacts left canvas by reference images (on QPainter)
    - Transform mask keyframing
- Ivan Yossi
  - Done:
    - reverted Deform Color artifacts because of new bug: [https://bugs.kde.org/show\\_bug.cgi?id=409280](https://bugs.kde.org/show_bug.cgi?id=409280)
    - Fixed Ctrl and modes not workng on outline selections [https://bugs.kde.org/show\\_bug.cgi?id=376007](https://bugs.kde.org/show_bug.cgi?id=376007)
    - Finished impl fix for [https://bugs.kde.org/show\\_bug.cgi?id=407405](https://bugs.kde.org/show_bug.cgi?id=407405) awaiting revision.
  - Doing
    - Guide bug: [https://bugs.kde.org/show\\_bug.cgi?id=397558](https://bugs.kde.org/show_bug.cgi?id=397558)
    - Selection stroke bug: [https://bugs.kde.org/show\\_bug.cgi?id=409254](https://bugs.kde.org/show_bug.cgi?id=409254)
    - Safe assert copy pasting animation [https://bugs.kde.org/show\\_bug.cgi?id=408421](https://bugs.kde.org/show_bug.cgi?id=408421)
  - Todo
    - Fix GMIC on osx
- Eliakin Costa
  - Doing:
    - Write documentation to implement Actions, Widgets and Buttons at Scripter
    - Code Completion(keywords, scope variables and libkis API)
    - new Toolbar.
  - Done:
    - Scripter System Watcher
    - Refactoring at the Editor Code and Action ToolBar to make easier to add new buttons and features
- Jagholin
  - Doing:
    - brush settings docker (for "favorite" brush engine settings)
    - UI mockups for possible rearrangement of brush settings window
  - To do:
    - see if its possible for brush settings window to be resizable/undockable
- Tiar (Tymond)
  - (updated 24th June)
  - Done:

- Artifacts on 32bit images - [https://bugs.kde.org/show\\_bug.cgi?id=404133](https://bugs.kde.org/show_bug.cgi?id=404133) - looks like it never really worked; I didn't find out the actual reason yet though
  - Duplicating layers with scalar keyframes other than opacity keyframe
  - Saving layers with scalar keyframes other than opacity
- Doing:
  - Proper update projection in animated transform masks? And trying to figure out which commit broke it even more.
  - List of things to write in the user support recruitment
- To do:
  - Failed saving still saved to Recent Documents
  - Remove the spriter impex plugin
  - (check) warning if there is not enough room for the new file when saving - [https://bugs.kde.org/show\\_bug.cgi?id=364350](https://bugs.kde.org/show_bug.cgi?id=364350)
  - warning if autosave fails for some reason - [https://bugs.kde.org/show\\_bug.cgi?id=393112](https://bugs.kde.org/show_bug.cgi?id=393112)
  - Why Krita doesn't save images for some people -> just read the whole code and patch every possible leak of error handling I can see
- CandyAngel
  - (C) 2019-04-29 set up +krita compilation
  - (C) 2019-04-29 write test plugin +krita
  - (D) 2019-04-29 bind spacenav dial to canvas transformation +krita
  - (D) 2019-04-29 write spacenavigator (spacenav) plugin with dial support +krita
  - (F) 2019-04-29 add button support to spacenav plugin +krita
  - (F) 2019-04-29 bind space buttons to tool switching/target switching? +krita
  - (M) 2019-04-29 add support for LCD (transform information?) +krita
- Sh\_zam
  - Done
    - Save state in android, to prevent data loss.
  - Doing
    - Add touch support to draw on canvas
  - Todo
    - Debugging the common crash <https://hastebin.com/ecacahegeg.bash> (cannot reproduce again)
    - Investigate libqtforandroid.so crash (qt forum post: <https://forum.qt.io/topic/104424/how-does-one-debug-libqtforandroid>)
    - Blog
- tusooa
  - Done
    - Refactor flake out of derived d-pointers and q-pointers, no more tests broken than on master
    - Fix a bug on snapshot docker -- some assistants won't clone --by tiar
    - Blog on snapshot docker: <https://tusooa.github.io/2019/06/21/Snapshot-Docker/>
    - mixer slider docker [https://invent.kde.org/kde/krita/merge\\_requests/46](https://invent.kde.org/kde/krita/merge_requests/46) -- waiting for dmitry to correctly install and review it
  - Doing
    -
  - Todo

- <https://phabricator.kde.org/T10864> (UI enhancement for selection masks) -- seems viable for David Revoy; other people's opinions?
  - Add instructions for Windows build script to krita documentation (questionable) -- Dmitry tested it, with some problems--CMAKE\_SH and symlinks
  - Add benchmark for shallow COW copying of large SVG layers
- Blackbeard
  - Done
    - documentation for the project
    - Created new `kis_vectoranimatedbrush` class
  - Doing
    - Publish a blog post
    - Write a derivated class from `kis_brushes_pipe` to use it to change brush tips and index
  - Todo
    - Update phabricator
    - Update the kde page for my project
- hellozee
  - Done
    - ~~Reuse the already written Laplacian of Gaussian~~
    - ~~Write the heuristic function for astar search~~
    - ~~working on the wrapper for using KisPaintDevice as boost::graph~~
    - ~~complete the algorithm~~
    - ~~Initial UI work~~
  - Doing
    - Working on the bounding box algorithm
    - Completing the UI