QGIS PSC Meeting 13 January 2016

Present:

- Tim Sutton
- Paolo
- Jürgen
- Andreas
- Matthias Kuhn

Video / Audio Channel

https://talkgadget.google.com

Previous meeting minutes:

https://drive.google.com/open?id=1NxarMWTtYDkdkbFd8LxMY5YVWRUzjyeuV5V5c2Qm-dY

Agenda:

- what happened to the dxf fundraising stuff (and did we close this off well enough to our community) (RD) - JF to investigate Teigha alternative library: libDXFRW
- status foundation? (RD): Andreas is waiting for a signature of Tim for Bank Account
- status next hackfest (no wiki page yet?) (RD): :
https://hub.qgis.org/wiki/quantum-gis/15th_QGIS_Developer_Meeting_in_Girona_Spain_2015
Tim is leading this
- next LTR release + documentation update (RD) Otto is in charge of Documentation Budget, Richard is going to make changes in sources, so the rst looks better on github (and is better editable).
- email lists admins (move to qgis.org address/group) (RD) Tim, Otto and Gary please add admin@qgis.org to admins of all email lists you have access to. Password to use is in the keepass file.
- current status of the Py3-Qt5 migration + API cleanup (PC)

- Debian stretch/sid status QGIS (PC)
- Supporting the creation of Dockers for Debian testing/sid users, and to facilitate migration of Python plugins (PC)
- funding an appveyor account for QGIS https://www.appveyor.com/pricing 300 €/year to do continuous testing of Windows builds (PC, from Nyall) - Let's get a one year funding to see if it works well and is useful to us.

Appendix 1 : Dependencies Decision matrix

	QGIS 2.14 LTR	QGIS 2.16 ???	QGIS 3.0
Release date	End Feb	4 months after 2.14	8 month cycle?
Notes		Update python code of core QGIS to be Python 3 compatible and PyQt5 compatible (partial implementation for key functionality e.g. console, python core plugins etc.)	
Qt4	Yes Deprecated in Debian Stretch (due in a year) (webkit removed)	Yes	No
Qt5	No Misses QWebView - new replacement not on all platforms. Also misses QPainter Engine.	Yes	Yes
PyQt4	Yes	Yes	No
PyQt5	No	Yes	Yes
Python 2	Yes	Yes	No
Python 3	No	Yes	Yes
API Cleanup	No	No	Yes
Wrappers PyQt5 -> PyQt4 Provide ~90% backwards compatibility	No	Yes	Yes

Mainstream Binary	Qt4 Based	Qt4 Based	Qt5 Based
Funding priority		Python wrappers	

Proposal 1:
Do an interim release of 2.16 and then commence work on 3.0 in master with an 8 month development window. Work on 3.0 related stuff could already begin in 2.16 (see python3/pytq5), only incompatible changes have to be postponed to post 2.16.

Advantage: Main focus of work in master branch. Work scheduled for the near future can be released in expected timelines. Plugins will continue to work with master. People can start to write and test their code in a portable manner.
Disadvantage: Difficult to determine timelines as we don't have funding

Proposal 2:

Create a long running 3.0 branch for the port to Qt5, Python 3.0 and PyQt5 and call for developers to get their 3.0 work in there. Continue with 2.x releases with the usual frequency until 3.0 is ready.

Advantage: We can release it 'when it's ready'. If there is no funding for 3.0 work subsequent releases are not jeopardised.
Disadvantage: Duplication of effort as work in master coming in needs to be ported over to the 3.0 branch.

Tim: We write to the dev list and ask for clear proposals for the 3.0 roadmap