QGIS release overview and roadmap

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16 November 2015

Outline I

Understanding release cycle

- Current releases
- LTR
- 2.x releases
- Past problems

How to support QGIS (LTR)?

Future plans

- 2.14 release
- 3.0 release
- Full-time developer

QGIS Survey

New features in QGIS 2.12

Case study

Why so many versions?

Download for Windows

Latest release (eg. for New Users):

QGIS Standalone Installer Version 2.12 (32 bit)

md5

QGIS Standalone Installer Version 2.12 (64 bit)

md5

Long term release (eg. for corporate users):

QGIS Standalone Installer Version 2.8 (32 bit)

md5

QGIS Standalone Installer Version 2.8 (64 bit)

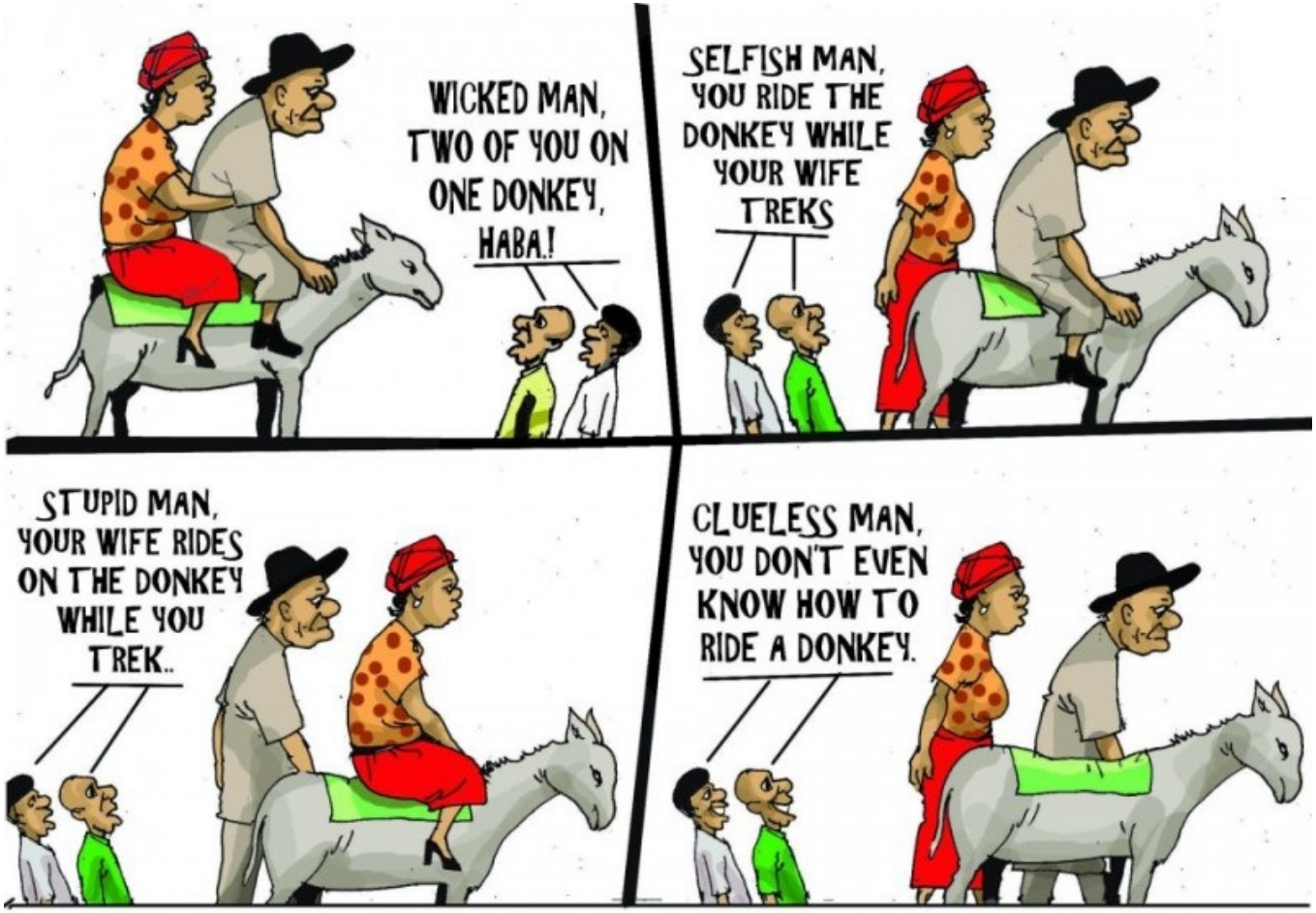
md5

For Advanced Users:

OSGeo4W Network Installer (32 bit)

OSGeo4W Network Installer (64 bit)

Keeping everyone happy

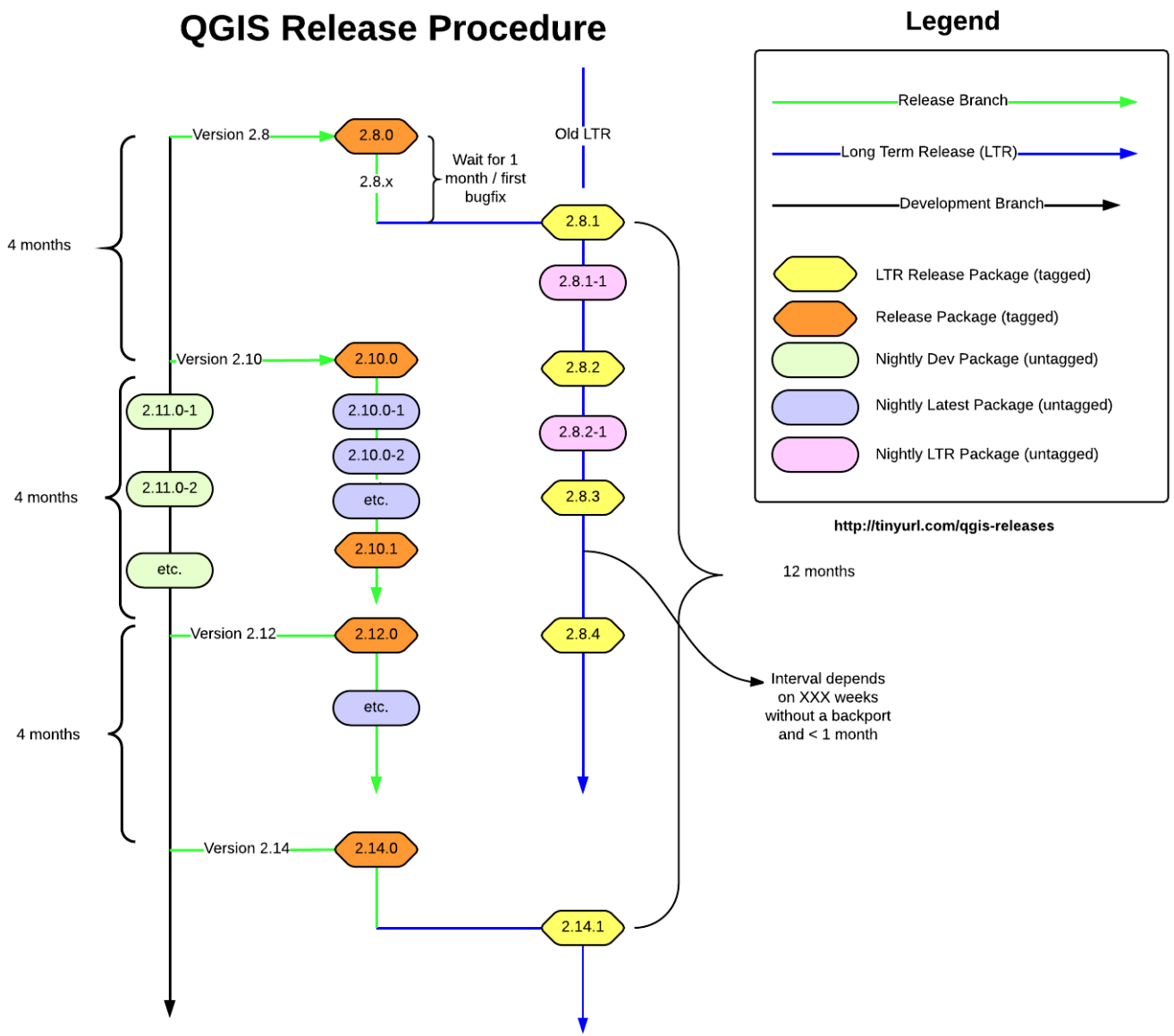


Versions

QGIS versions

- Development or nightly (DEV)
- Release (LR)
- Long Term Release (LTR)

QGIS release - LTR, LR, DEV



Development version

Suitable for:

- Core developers
- Plugin developers
- Curious about bleeding edge features!

Release version

Suitable for:

- New users
- If you want new features without burning down your house!

LTR version

Suitable for:

- Corporate users

LTR

What is LTR?

- Supported period
- Software bugs
- No new features
- Release cycle

LTR

Why LTR?

- Reliability
- Stability
- Less frequent release cycle

2.8 in numbers

- 4 releases: 2.8.0, 2.8.1, 2.8.2 and 2.8.3
- 184 bugs closed
- 630 commits on github since 2.7 feature freeze:
  - 2.8.0: 325
  - 2.8.1: +33
  - 2.8.2: +122
  - 2.8.3: +150
- 758734 downloads[a]
  - 2.8.0: 324
  - 2.8.1: 363474
  - 2.8.2: 306721
  - 2.8.3: 88215

[a] Windows stand-alone installer only

LTR

Why NOT LTR?

- Users
  - New features
- Developers
  - Extra cost
  - Extra resources
  - Adding features is more fun!

QGIS 2.x releases

Release early, release often

- 3 moths of development
- 1 month of bug fix

QGIS release	Date
2.0[1]	September 2013
2.2	February 2014
2.4	June 2014
2.6[2]	November 2014
2.8	**February 2015**
2.10	June 2015
2.12	October 2015
2.14	*February 2016*

[1] To coincide with FOSS4G in Nottingham

[2] Delayed by a week

QGIS release - problems

Less reliable software:

- Bug reporting participation
- Planned releasing
- Regressions and blockers

QGIS release	No. of bugs closed
2.0[3]	1075
2.2	71
2.4	191
2.6	100
2.8[4]	184

[3] Change of API

[4] Sum of 2.8.x releases

Plan

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How to support QGIS (LTR)?

You can:

- Sponsor bug fixing
  - Donation to QGIS
  - Contracting QGIS developer(s)

Sponsorship	Amount €
Platinum Sponsor	27,000 +
Gold Sponsor	9,000 +
Silver Sponsor	3,000 +
Bronze Sponsor	500 +

http://qgis.org/en/site/getinvolved/donations.html

How to support QGIS (LTR)?

QGIS.org - Financial Report for 2014

The reporting period starts on **July 8, 2014**, when QGIS.org obtained its own bank account. Prior to this date, the Swiss QGIS user group handled the finances of qgis.org, with separate accounting. The currency of all items is Euro (€).

Balance sheet

Account balance on July 8, 2014:	20'719.71
Account balance on December 31 2014:	18'317.79

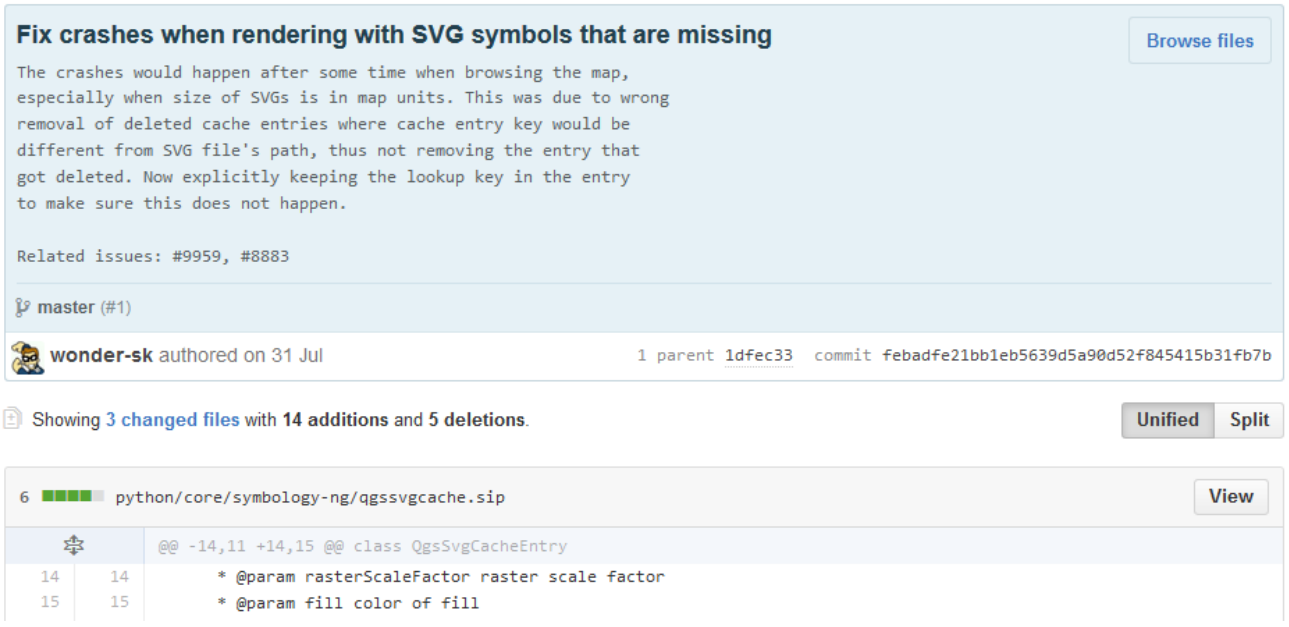
Income (period 2014-07-08 to 2014-12-31):

Direct donations (wire transfer):	2'875.84
PayPal donations (includes three bronze sponsorships):	10'889.13
Sponsoring:	10'000.00
Other:	5'008.66
Total Income:	**28'773.63**

Expenses (period 2014-07-08 to 2014-12-31)

Paid bug fixing and QA:	20'120.69
Expenses developer meeting:	10'990.09
Other expenses:	64.76
Total Expenses:	**31'175.54**

How to support QGIS (LTR)?



Fix crashes when rendering with SVG symbols that are missing

Browse files

```
The crashes would happen after some time when browsing the map,
especially when size of SVGs is in map units. This was due to wrong
removal of deleted cache entries where cache entry key would be
different from SVG file's path, thus not removing the entry that
got deleted. Now explicitly keeping the lookup key in the entry
to make sure this does not happen.

Related issues: #9959, #8883
```

master (#1)

wonder-sk authored on 31 Jul — 1 parent 1dfec33 commit febadfe21bb1eb5639d5a90d52f845415b31fb7b

Showing 3 changed files with **14 additions** and **5 deletions**. Unified Split

6 python/core/symbology-ng/qgssvgcache.sip View

```
@@ -14,11 +14,15 @@ class QgsSvgCacheEntry
14 14       * @param rasterScaleFactor raster scale factor
15 15       * @param fill color of fill
```

How to support QGIS (LTR)?

You can:

- Participate
  - Testing
    - Run multiple QGIS versions
    - Test previous bugs
    - Try new features
    - Help with other reported bugs
  - Filing bugs (https://hub.qgis.org/projects/quantum-gis/issues):
    - Step-by-step guide to reproduce your bug
    - Follow-ups
    - Provide test data

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- **Future plans**
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Future plans

QGIS 2.14 release

- Preparing the code base for QGIS 3.0
- Bug fixing
- Some new features

Future plans

QGIS 3.0

- Support for QT5
- Upgrade to Python 3
- Change of API

Future plans

Full time QGIS developer

- Raising £100k

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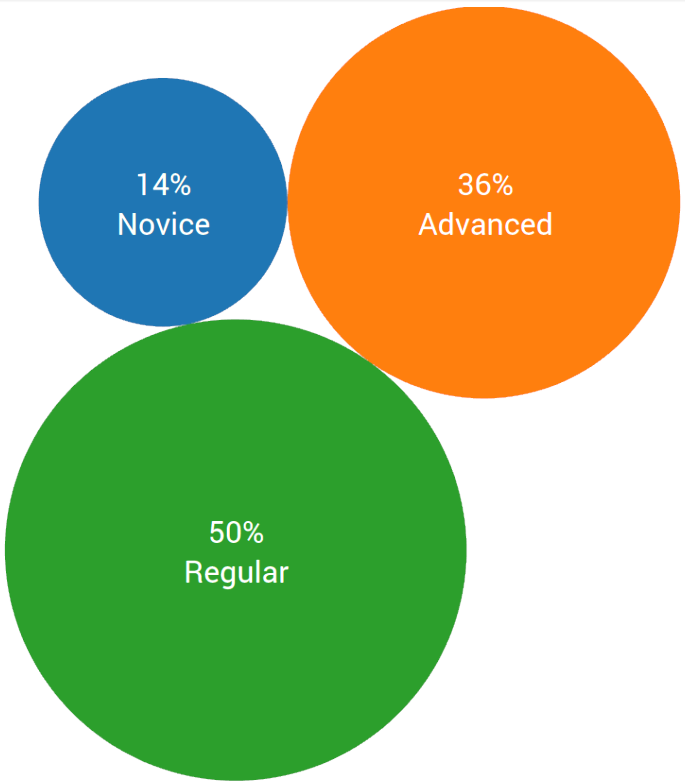
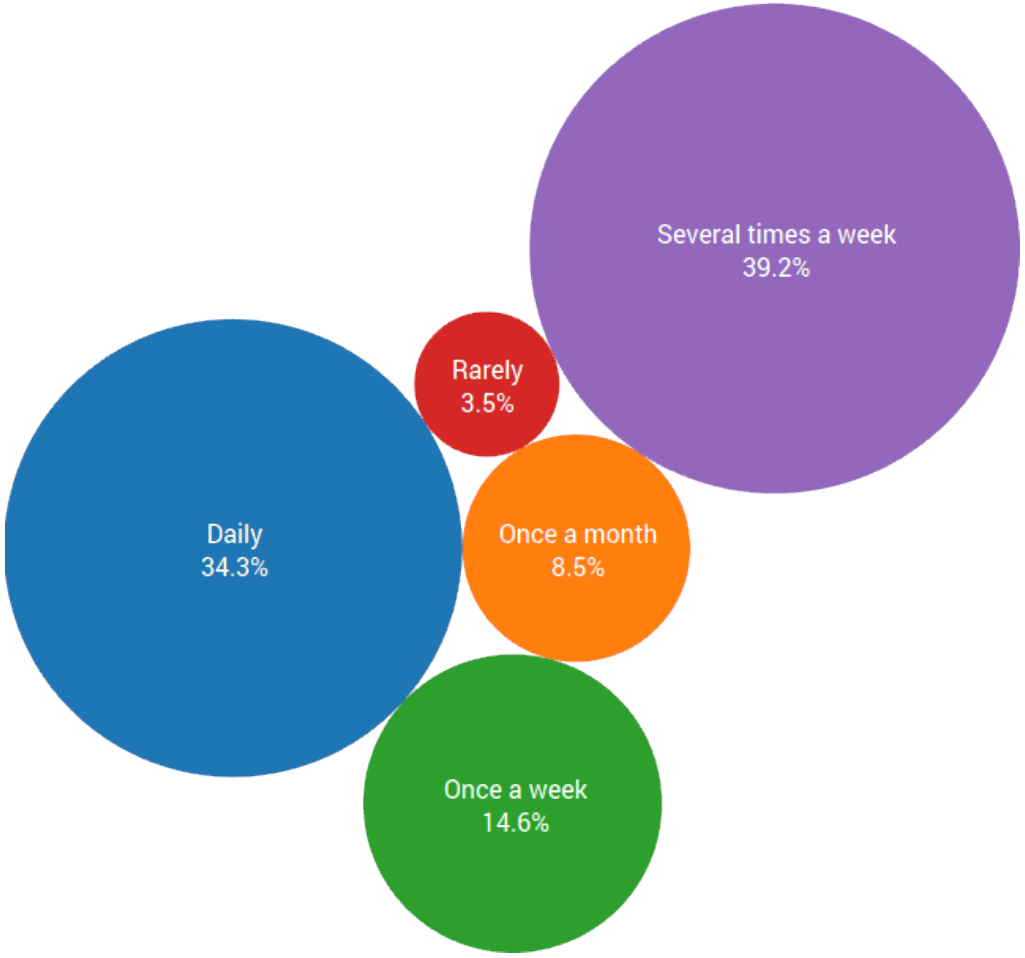
QGIS survey results

User proficiency



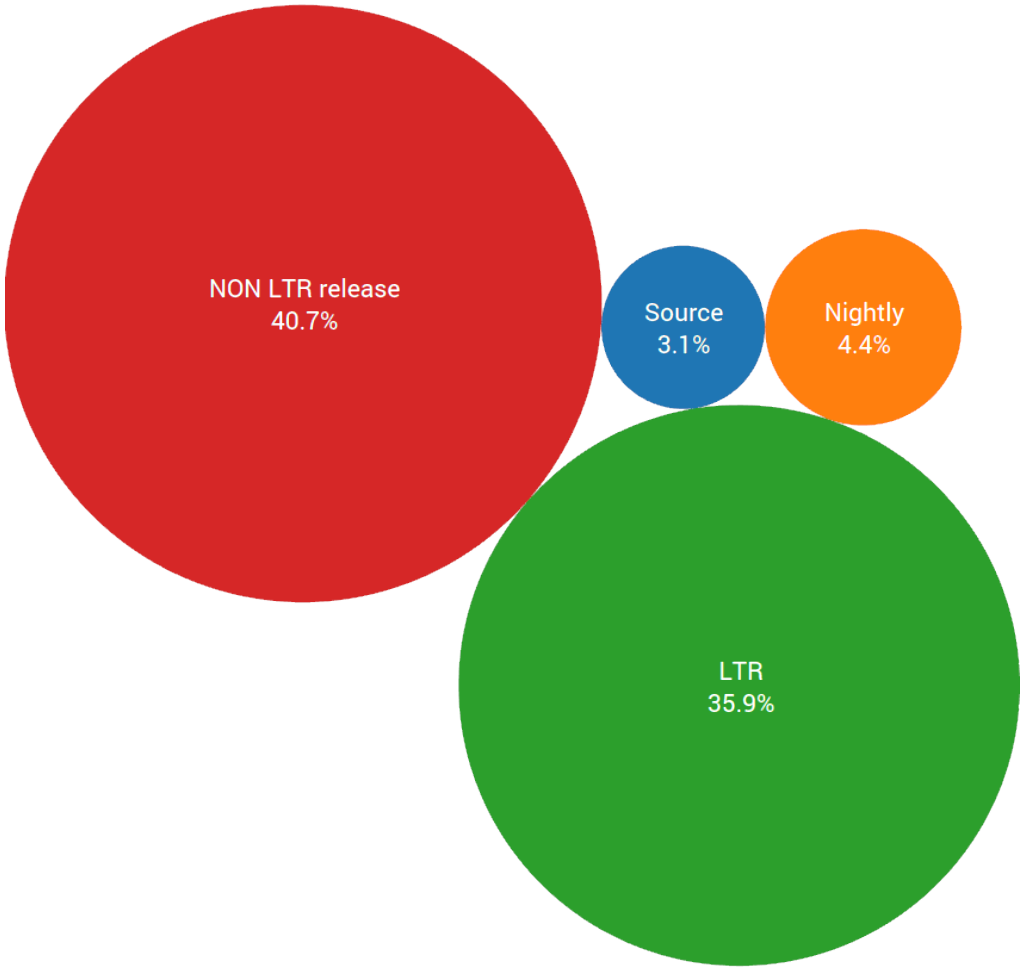
QGIS survey results

Frequancy of use



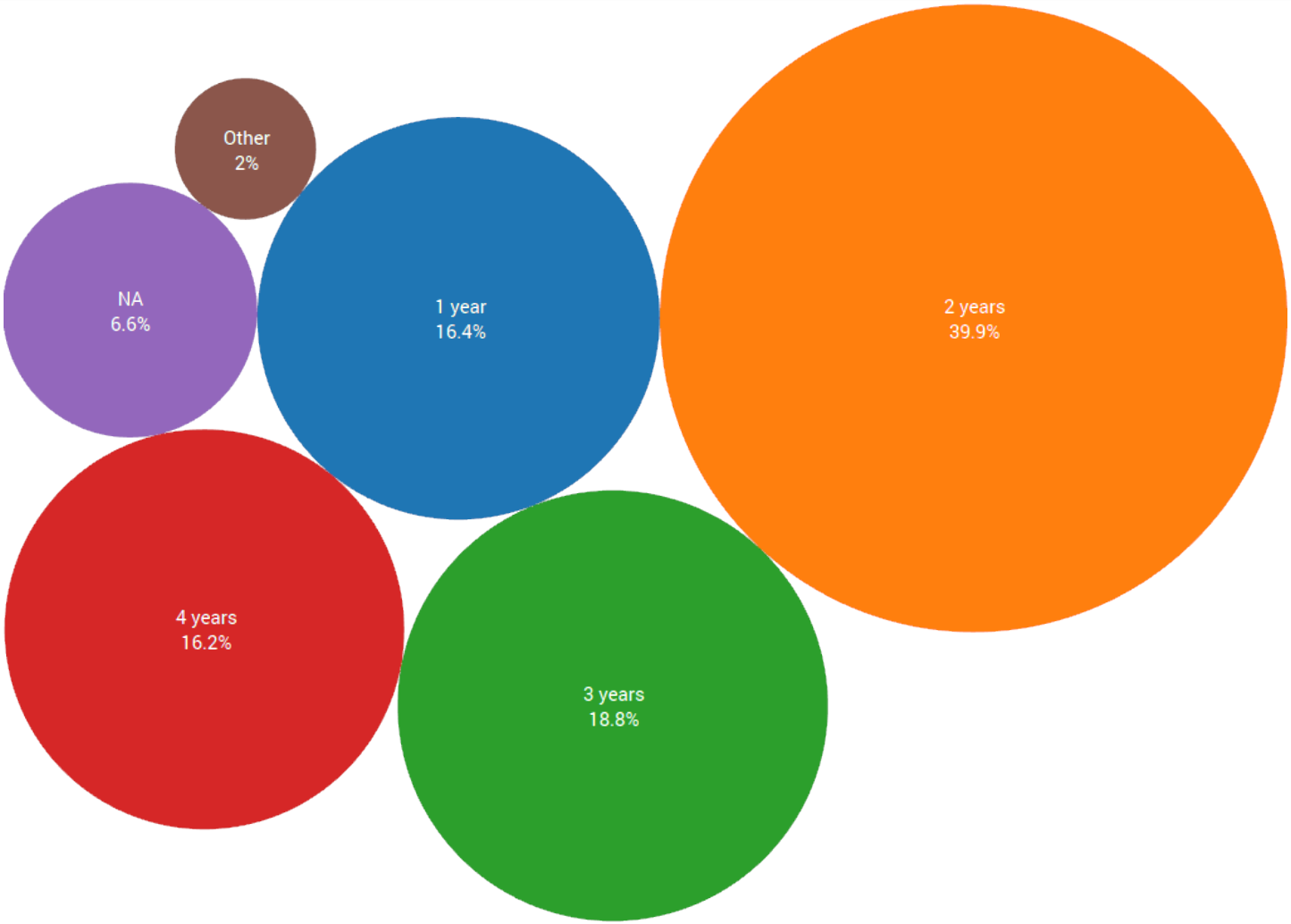
QGIS survey results

Which version



QGIS survey results

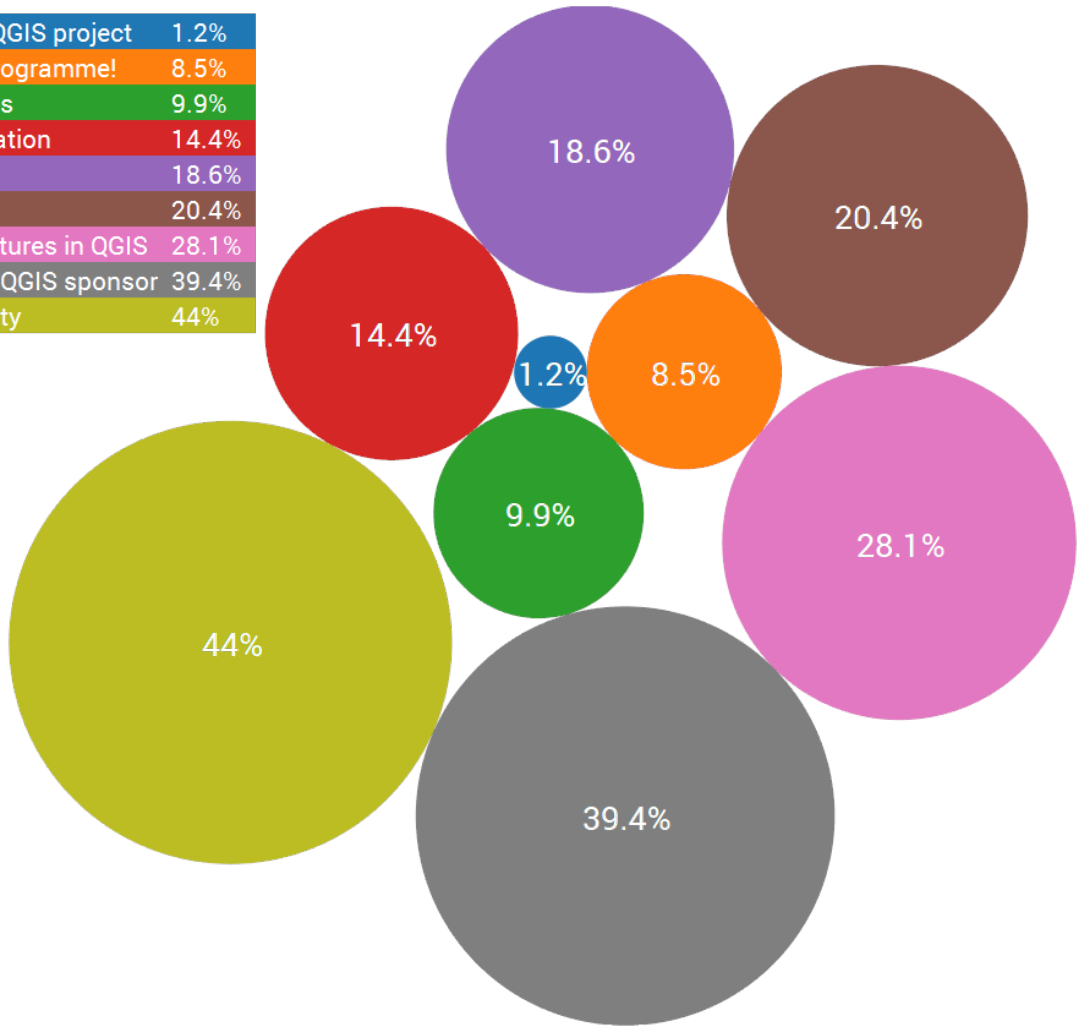
Support period for the LTR



QGIS survey results

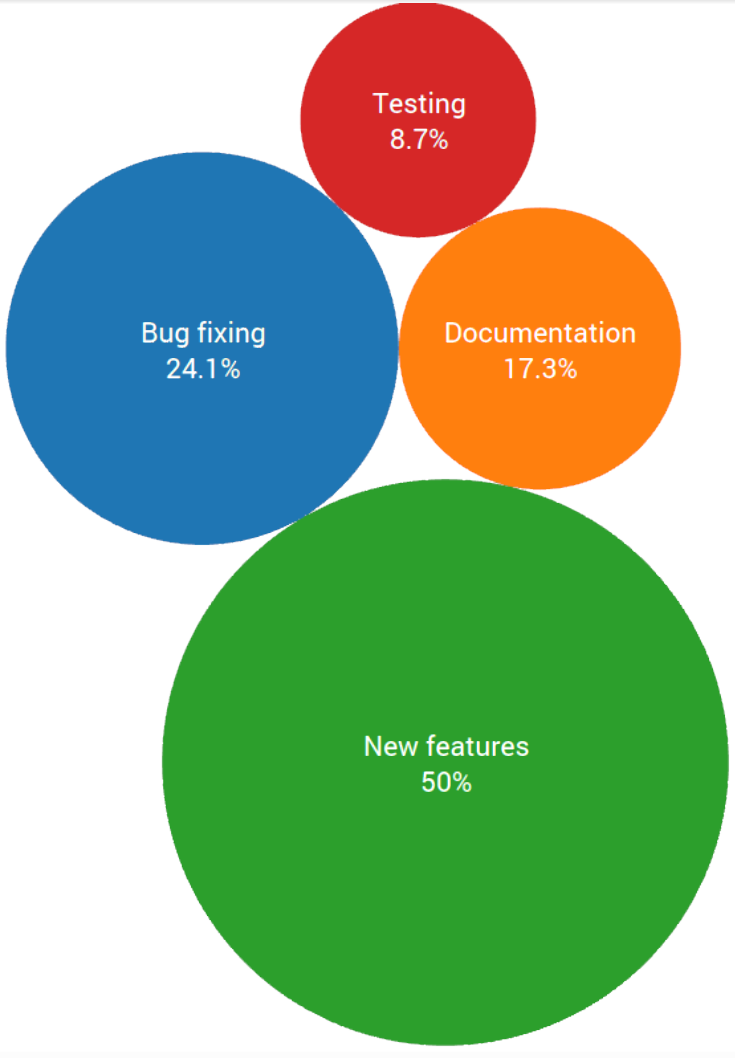
Supporting QGIS project

I do not think it is important to donate to the QGIS project	1.2%
I was not aware that QGIS had a donations programme!	8.5%
I would donate to support Long Term Releases	9.9%
I would donate to QGIS to improve documentation	14.4%
I am not able to donate to the QGIS project	18.6%
I would donate to fix bugs in QGIS	20.4%
I would donate to support adding missing features in QGIS	28.1%
I would encourage my company to become a QGIS sponsor	39.4%
I would donate to QGIS in my personal capacity	44%



QGIS survey results

Allocation of QGIS budget



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QGIS 2.12 - New features

Label engine enhancement

- Rule-based labelling
- Better positioning of labels
- Advanced displaying options
- Prioritisation of labels

QGIS 2.12 - New features

Analysis

- Raster alignment tool
- Geometry checker

QGIS 2.12 - New features

Other major improvements

- GRASS integration
- Map composer
- Encrypted passrwod management
- Mutually exclusive layer for groups in layer tree
- See full list here:http://www.qgis.org/en/site/forusers/visualchangelog212/

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Case study

QGIS LTR: Case study

Custom installer

- Pre-configured with data/services
- Includes templates (print composers, styles, etc.)
- Directly compiled from LTR source on github
- Plugin configuration
- GUI configuration

City Council

Supported by Lutra CONSULTING