



# Community Metrics Report

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Reporting on July 2014

Comparisons are to August 2013 Report

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Source: Metrics categories borrowed from Dawn Foster of MeeGo:  
<http://wiki.meego.com/Metrics>

# Awareness Metrics

Discovering the community, learning more about it  
(potential community members)

# ros.org: Visitors & Page Views

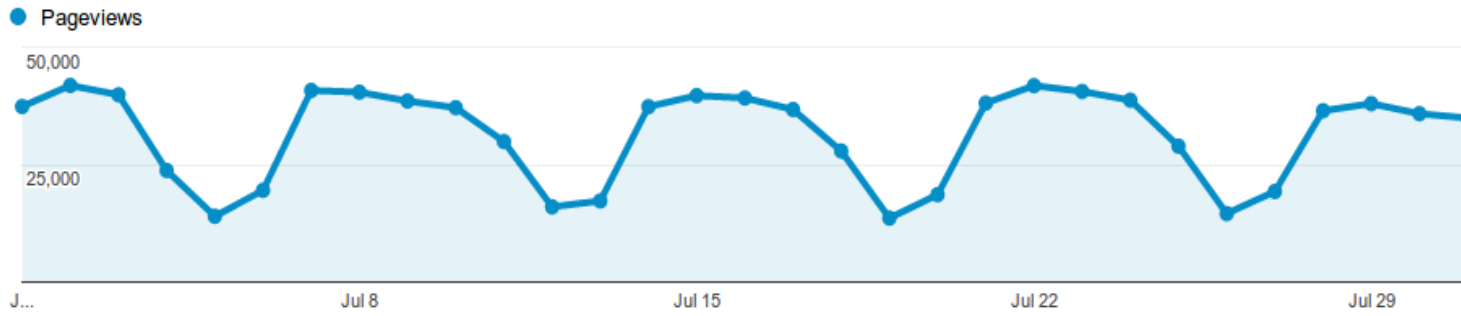
# wiki.ros.org Visitors: July 2014

## Pages

Jul 1, 2014 - Jul 31, 2014

Pageviews vs. Select a metric

Day Week Month



Site: wiki.ros.org  
 Source: Google Analytics  
 Annual Growth: 48%

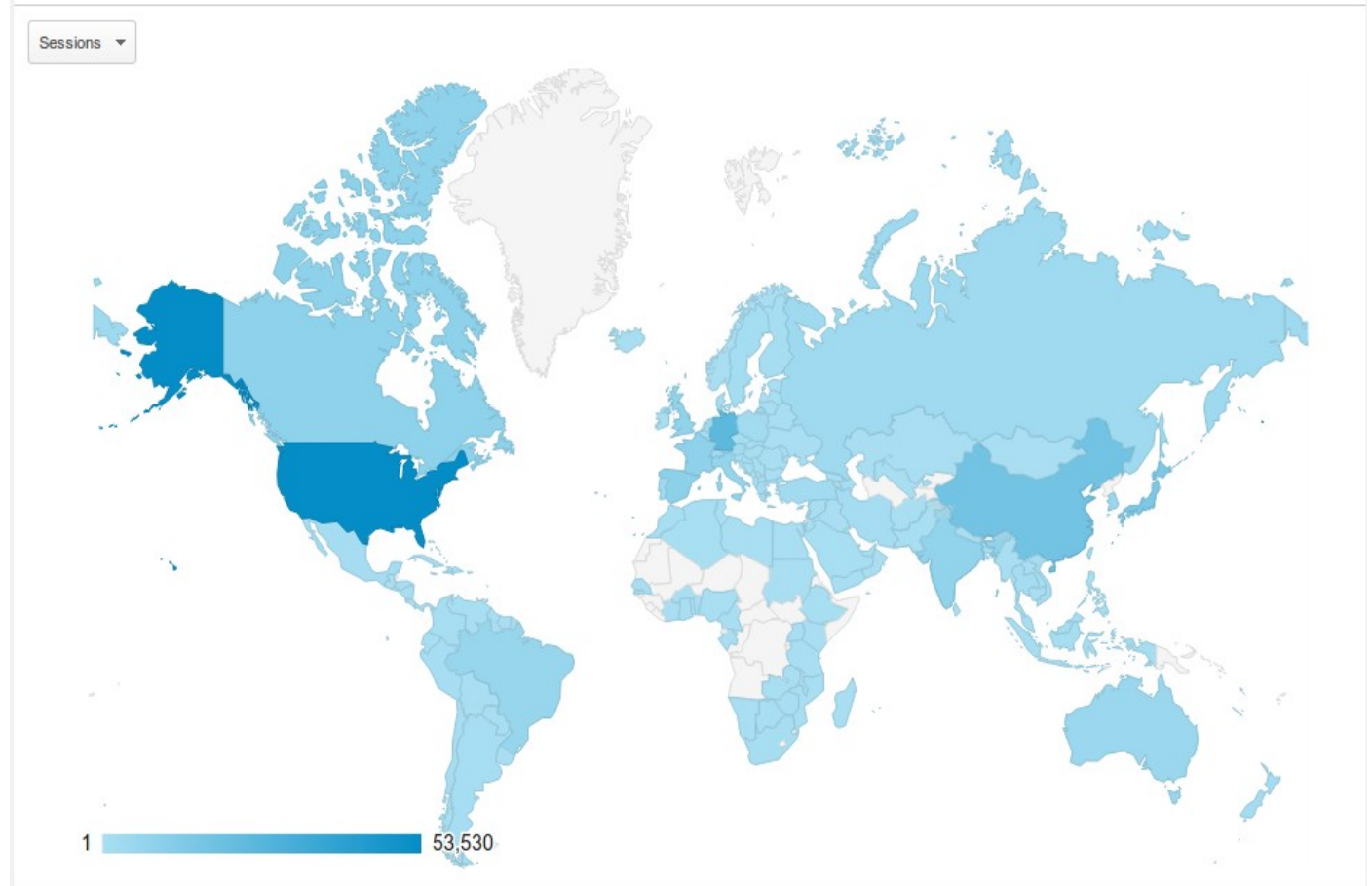
Primary Dimension: Page Page Title Other

Secondary dimension Sort Type: Default

Page	Pageviews	Pageviews
	976,031 % of Total: 100.00% (976,031)	976,031 % of Total: 100.00% (976,031)
1. /ROS/Tutorials	48,814	5.00%
2. /	42,091	4.31%
3. /ROS/Installation	22,606	2.32%
4. /hydro/Installation/Ubuntu	22,310	2.29%
5. /ROS/Tutorials/InstallingandConfiguringROSEnvironment	13,220	1.35%
6. /ROS/Tutorials/CreatingPackage	11,349	1.16%
7. /ROS/Tutorials/WritingPublisherSubscriber(c++)	9,685	0.99%
8. /indigo/Installation/Ubuntu	9,102	0.93%
9. /ROS/Tutorials/NavigatingTheFilesystem	8,052	0.82%
10. /hydro/Installation	6,706	0.69%

# wiki.ros.org visitor locations:

1.	 United States	53,530 (23.40%)
2.	 Germany	25,133 (10.99%)
3.	 China	17,812 (7.79%)
4.	 Japan	14,619 (6.39%)
5.	 Spain	9,192 (4.02%)
6.	 Canada	8,611 (3.76%)
7.	 France	8,399 (3.67%)
8.	 United Kingdom	7,434 (3.25%)
9.	 India	7,360 (3.22%)
10.	 Italy	6,623 (2.90%)
11.	 Brazil	5,837 (2.55%)
12.	 South Korea	4,988 (2.18%)
13.	 Australia	4,828 (2.11%)
14.	 Singapore	4,688 (2.05%)
15.	 Russia	3,534 (1.54%)
16.	 Portugal	3,194 (1.40%)
17.	 Netherlands	2,556 (1.12%)
18.	 Switzerland	2,454 (1.07%)
19.	 Poland	2,279 (1.00%)
20.	 Taiwan	2,252 (0.98%)



Source: Google Analytics  
Site: wiki.ros.org in August

# Public wiki.ros.org Mirrors

- Asia:
  - Singapore
  - Sun Yat-Sen University, China
  - Shanghai, China
  - Tokyo, Japan
- Europe:
  - Ireland
  - Freiburg, Germany
  - Barcelona, Catalonia
- North America:
  - College Park, Maryland
  - Austin, Texas
- South America
  - Sao Paulo, Brazil

This report does not include data from these mirrors.

Source: <http://wiki.ros.org/Mirrors>

**answers.ros.org:  
visitors**



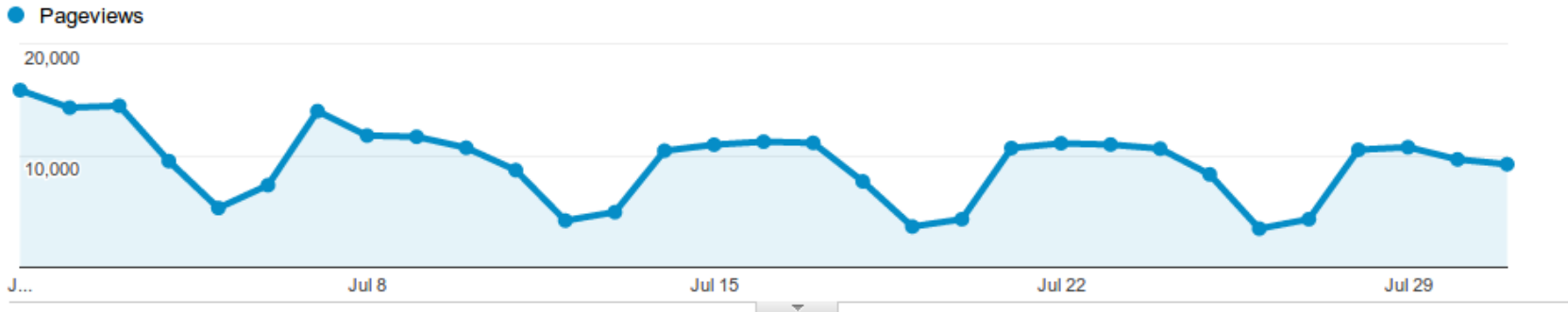
# answers.ros.org visitors: July 2014

## Pages

Jul 1, 2014 - Jul 31, 2014




Pageviews vs. [Select a metric](#)

Day Week Month  



Primary Dimension: **Page** Page Title Other

Secondary dimension Sort Type: Default

advanced     

Page	Pageviews	Pageviews
	291,849 % of Total: 100.00% (291,849)	291,849 % of Total: 100.00% (291,849)
1. /questions/	23,748	8.14%
2. /questions/ask/	7,875	2.70%
3. /questions/scope:all/sort:activity-desc/page:1/	1,981	0.68%
4. /account/signin/?next=/	1,681	0.58%
5. /account/signin/	1,194	0.41%
6. /question/87866/how-to-edit-the-bashrc-file/	854	0.29%
7. /question/155631/install-ros-hydro-ubuntu-1404/	807	0.28%
8. /question/10543/how-do-i-link-a-library-in-cmake/	736	0.25%
9. /account/verify-email/?next=/	656	0.22%
10. /question/11557/importerror-no-module-named-yaml/	616	0.21%

Site: answers.ros.org  
Source: Google Analytics  
Annual Growth: 32%

# Membership Metrics

Taking the time to sign up and join the community  
(passive and active community members)

# Site & list membership

- `ros-users@lists.ros.org` subscribers:
  - 1758 (12% increase)
- `wiki.ros.org` users:
  - 4056 (20% increase)
- `answers.ros.org` users:
  - 8572 (48% increase)

# Engagement Metrics

Interacting with other community members  
(active community members)

# wiki.ros.org: activity

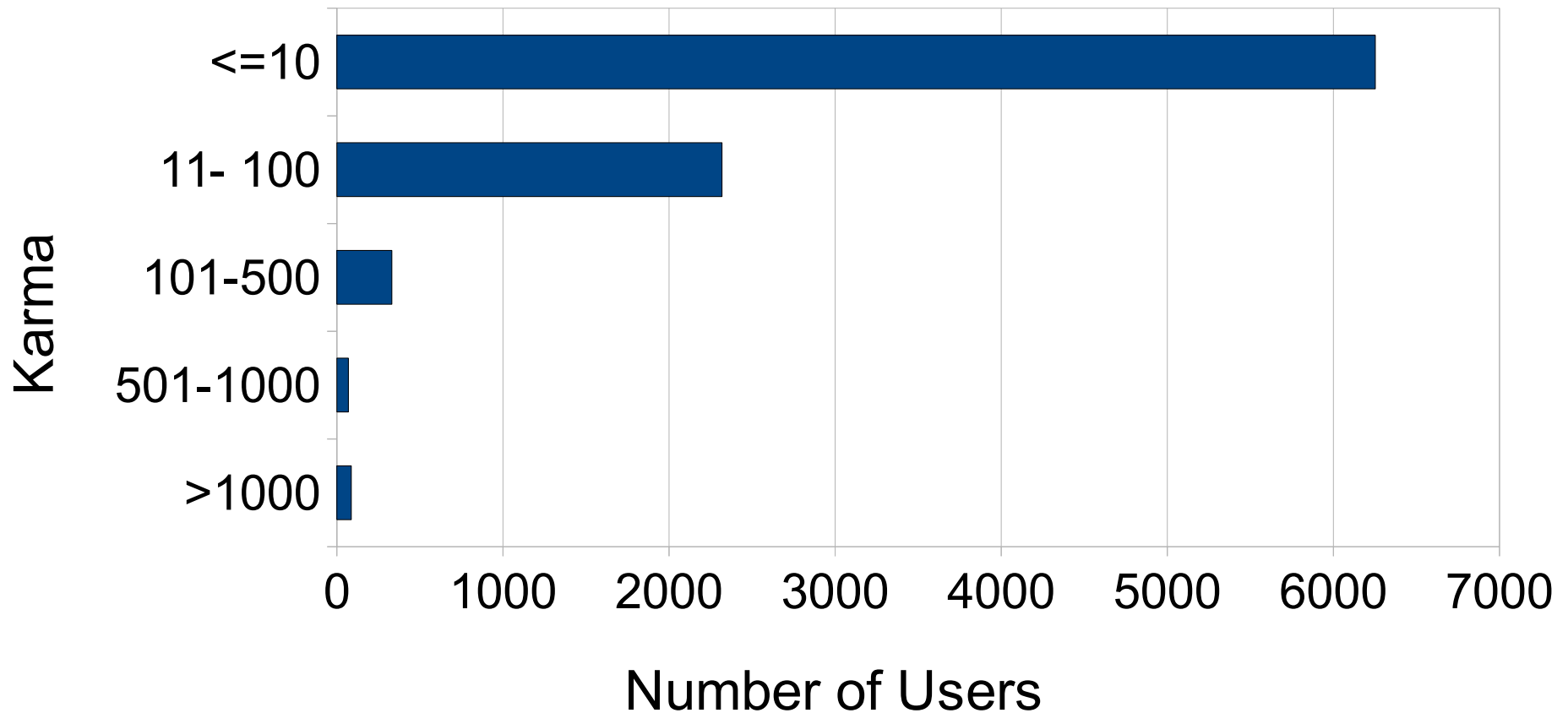
- Wiki pages:
  - 14,697 ( 35% decrease )
- Wiki page edits:
  - 33.1 / day (averaged over July, 5% increase)
- Wiki page views:
  - 31,483 / day (averaged over July, 20% increase)

# answers.ros.org: activity

- Total questions:
  - 18,144 (38% increase)
- Unanswered questions:
  - 5,884 (32% increase)
- New questions in July:
  - 524 (16.9 / day, 33% increase)

# answers.ros.org Karma

Sampled 2014-08-18



Histogram of users by karma. Users get karma points for having answers upvoted (+10) or accepted (+15) and for accepting someone else's answer (+2).

# Code Metrics

Engaging with the ROS project at a code level  
(developers and users)



# Binary Downloads – July 2014

- Total Unique IP addresses downloading .deb files:
  - 49,153 ( 343 % increase)
- Total downloads of .deb packages:
  - 3,570,374 (123% increase)
- Unique package names downloaded as .deb files:
  - 4,000 (54% increase)
- Number of unique versions of .deb packages downloaded:
  - 46,056 (41 % increase)

Source: Apache2, counting only downloads from the main repository (not the testing repository, shadow-fixed)

# Top 40 Downloaded Packages

Direct downloads from packages.ros.org - July 2014

python-catkin-pkg	17308	ros-hydro-depth-image-proc	7177
python-rosdep	16063	ros-hydro-rqt-gui-cpp	7169
python-rospkg	14268	ros-hydro-rqt-common-plugins	7148
python-wstool	10031	ros-hydro-geometry-experimental	7138
ros-hydro-kdl-conversions	7908	ros-hydro-bondpy	7129
ros-hydro-orocos-kdl	7880	ros-hydro-nodelet-core	7126
ros-hydro-tf-conversions	7862	ros-hydro-tf2-geometry-msgs	7113
ros-hydro-python-orocos-kdl	7850	ros-hydro-bond-core	7099
ros-hydro-nodelet	7836	ros-hydro-tf2-kdl	7088
ros-hydro-kdl-parser	7781	ros-hydro-rqt-image-view	7085
ros-hydro-bond	7779	ros-hydro-voxel-grid	7065
ros-hydro-smclib	7768	ros-hydro-move-base-msgs	7060
ros-hydro-bondcpp	7746	ros-hydro-nodelet-tutorial-math	7055
ros-hydro-nodelet-topic-tools	7681	ros-hydro-image-view	7054
ros-hydro-eigen-conversions	7665	ros-hydro-map-server	7048
python-rosdistro	7641	ros-hydro-robot	7044
ros-hydro-robot-state-publisher	7576	ros-hydro-robot-model	7043
ros-hydro-pcl-ros	7459	ros-hydro-common-tutorials	7034
ros-hydro-geometry	7365	ros-hydro-amcl	7029
ros-hydro-image-proc	7225	ros-hydro-nav-core	7007

# Public Debian Package Mirrors

- Sun Yat-Sen University(China)
- Shanghai(China)
- Ireland
- Freiburg (Germany)
- Delft University of Technology (The Netherlands)
- University of Maryland (USA)
- Case Western Reserve University (USA)
- Centro Universitário da FEI (Brazil)

This report does not include data from these mirrors.

Source:

<http://wiki.ros.org/ROS/Installation/UbuntuMirrors>

# roscistro activity

ros / roscistro

Unwatch 25

Unstar 90

Fork 380

July 18 2014 - August 18 2014

Period: 1 month

## Overview



276 Active Pull Requests



6 Active Issues

265

Merged Pull Requests

11

Proposed Pull Requests

4

Closed Issues

2

New Issues

Excluding merges, **53 authors** have pushed **283 commits** to master and **306 commits** to all branches. On master, **7 files** have changed and there have been **1,145 additions** and **224 deletions**.



265 Pull requests merged by 52 people

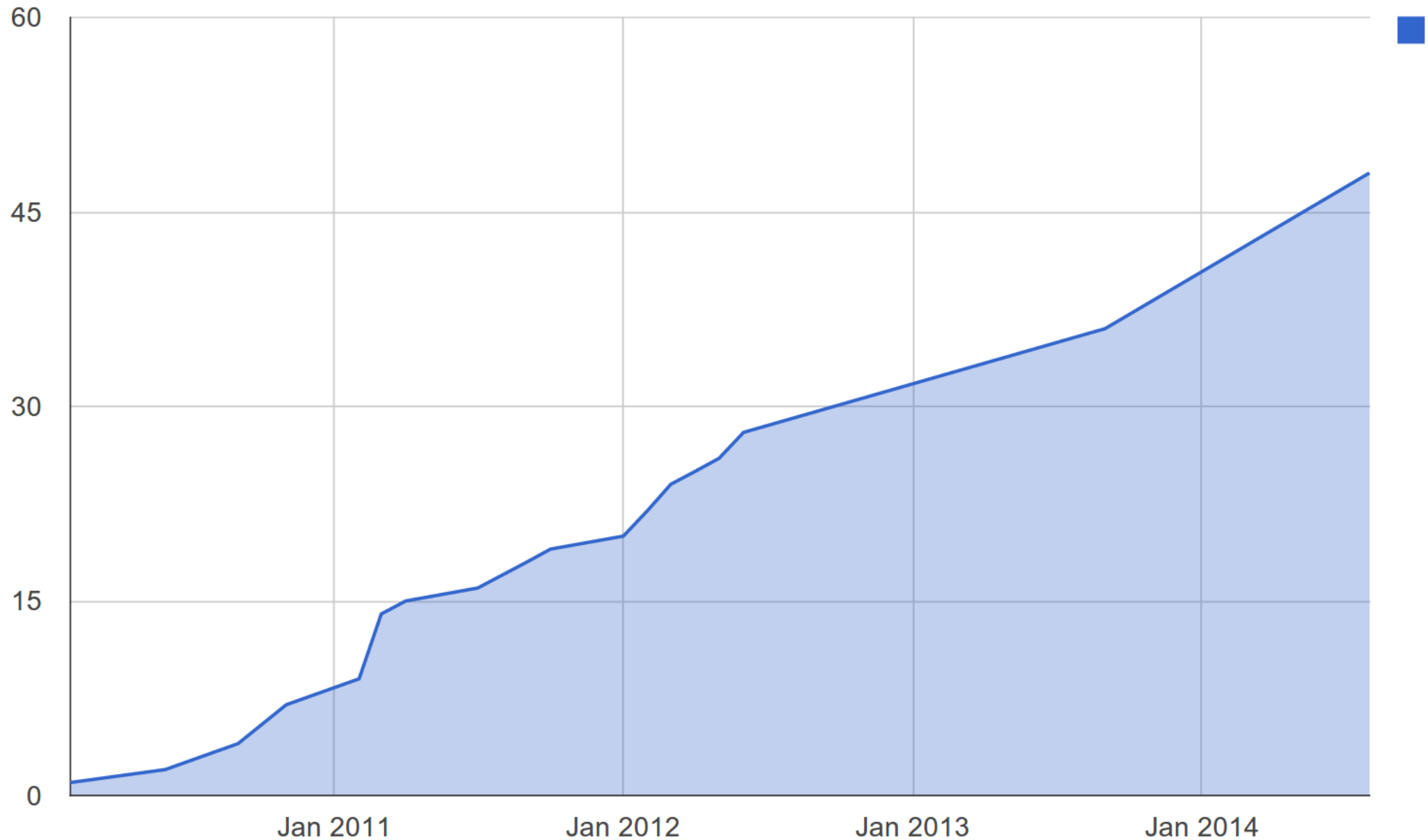
The roscistro <http://github.com/ros/rosdistro> is the repository where releases are managed and the main index of publicly announced ROS packages. Most pull requests on this repository are requests for indexing or packaging of ROS packages.

# Research use

Number of papers citing “ROS: an open-source Robot Operating System” (Quigley et al., 2009):

1216 ( 62% increase)

## Robots listed on [wiki.ros.org/Robots](http://wiki.ros.org/Robots)



The number of different types of robots available to the community with ROS drivers.

Source: Ken Conley, Tully Foote, [wiki.ros.org/Robots](http://wiki.ros.org/Robots)