



# Community Metrics Report

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Reporting on July 2015

Comparisons are to August 2014 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 2015

## Overview

### Overview

Pageviews VS. [Select a metric](#)

● Pageviews

### Site Content

#### Page

[Page Title](#)

### Site Search

[Search Term](#)

### Events

[Event Category](#)

### Events

[Event Category](#)

Site: wiki.ros.org  
Source: Google Analytics  
Annual Growth: 18%

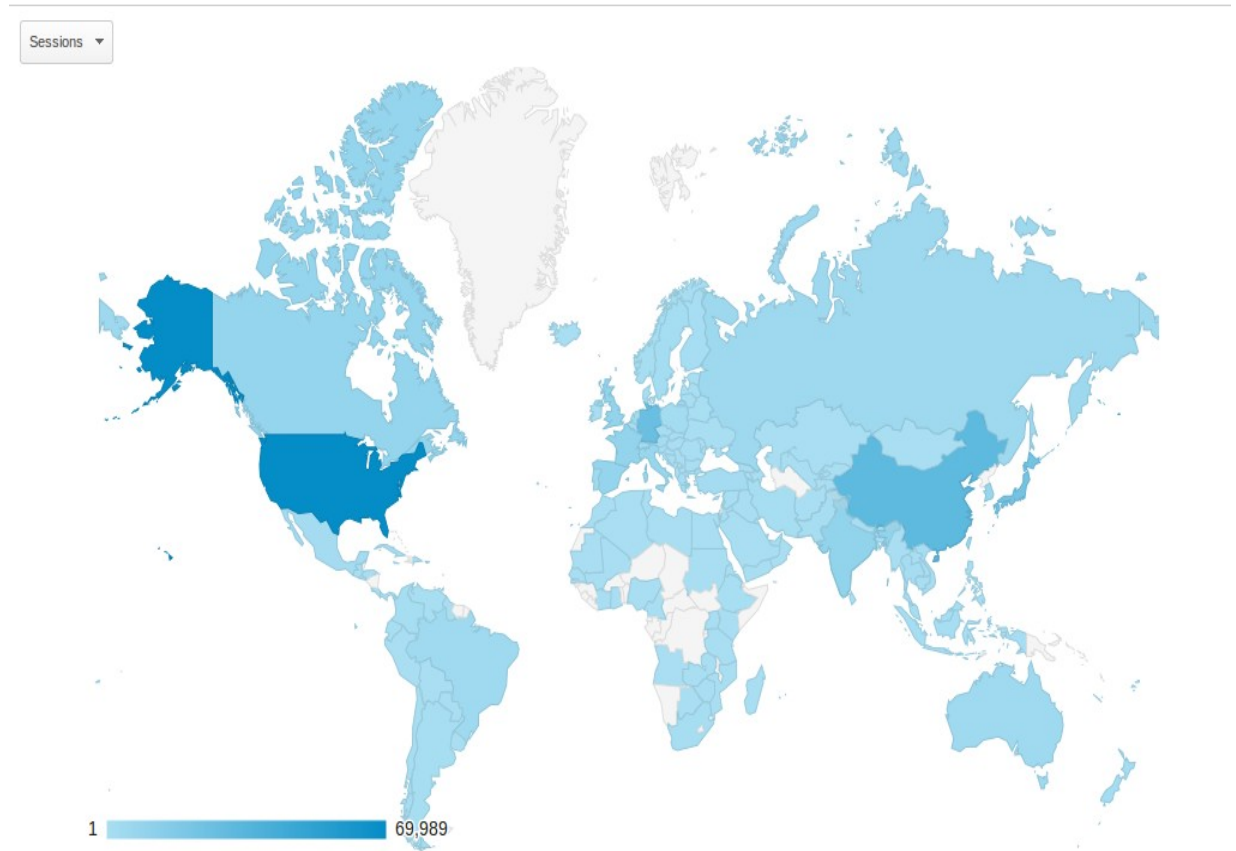
Jul 1, 2015 - Jul 31, 2015

Hourly Day Week Month

| Page                                                                     |  | Pageviews | % Pageviews |
|--------------------------------------------------------------------------|--|-----------|-------------|
| 1. <a href="#">/ROS/Tutorials</a>                                        |  | 51,179    | 4.43%       |
| 2. <a href="#">/</a>                                                     |  | 43,628    | 3.78%       |
| 3. <a href="#">/ROS/Installation</a>                                     |  | 23,399    | 2.03%       |
| 4. <a href="#">/indigo/Installation/Ubuntu</a>                           |  | 18,860    | 1.63%       |
| 5. <a href="#">/jade/Installation/Ubuntu</a>                             |  | 15,648    | 1.36%       |
| 6. <a href="#">/ROS/Tutorials/InstallingandConfiguringROSEnvironment</a> |  | 14,214    | 1.23%       |
| 7. <a href="#">/ROS/Tutorials/CreatingPackage</a>                        |  | 12,068    | 1.05%       |
| 8. <a href="#">/ROS/Tutorials/WritingPublisherSubscriber(c++)</a>        |  | 11,355    | 0.98%       |
| 9. <a href="#">/Robots</a>                                               |  | 10,169    | 0.88%       |
| 10. <a href="#">/cn/ROS/Tutorials</a>                                    |  | 9,076     | 0.79%       |
| 6. <a href="#">/ROS/Tutorials/InstallingandConfiguringROSEnvironment</a> |  | 14,214    | 1.23%       |
| 7. <a href="#">/ROS/Tutorials/CreatingPackage</a>                        |  | 12,068    | 1.05%       |
| 8. <a href="#">/ROS/Tutorials/WritingPublisherSubscriber(c++)</a>        |  | 11,355    | 0.98%       |
| 9. <a href="#">/Robots</a>                                               |  | 10,169    | 0.88%       |
| 10. <a href="#">/cn/ROS/Tutorials</a>                                    |  | 9,076     | 0.79%       |

# wiki.ros.org visitor locations:

|     |                                                                                                  |                 |
|-----|--------------------------------------------------------------------------------------------------|-----------------|
| 1.  |  United States    | 69,989 (24.17%) |
| 2.  |  China          | 31,778 (10.97%) |
| 3.  |  Germany        | 27,080 (9.35%)  |
| 4.  |  Japan          | 22,867 (7.90%)  |
| 5.  |  India          | 9,740 (3.36%)   |
| 6.  |  France         | 9,431 (3.26%)   |
| 7.  |  United Kingdom | 9,143 (3.16%)   |
| 8.  |  Spain          | 8,617 (2.98%)   |
| 9.  |  Canada         | 8,497 (2.93%)   |
| 10. |  Italy          | 7,176 (2.48%)   |
| 11. |  South Korea    | 7,022 (2.43%)   |
| 12. |  Singapore      | 5,457 (1.88%)   |
| 13. |  Taiwan         | 5,411 (1.87%)   |
| 14. |  Russia         | 4,732 (1.63%)   |
| 15. |  Brazil         | 4,359 (1.51%)   |
| 16. |  Australia      | 4,252 (1.47%)   |
| 17. |  Portugal     | 3,623 (1.25%)   |
| 18. |  Switzerland  | 2,871 (0.99%)   |
| 19. |  Poland       | 2,706 (0.93%)   |
| 20. |  Netherlands  | 2,431 (0.84%)   |
| 21. |  Mexico       | 2,306 (0.80%)   |
| 22. |  Turkey       | 2,302 (0.79%)   |
| 23. |  Austria      | 2,277 (0.79%)   |
| 24. |  New Zealand  | 2,019 (0.70%)   |
| 25. |  Israel       | 1,938 (0.67%)   |



Source: Google Analytics  
Site: wiki.ros.org in July 2015

# Public wiki.ros.org Mirrors

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

This report does not include data from these mirrors.

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

answers.ros.org:  
visitors

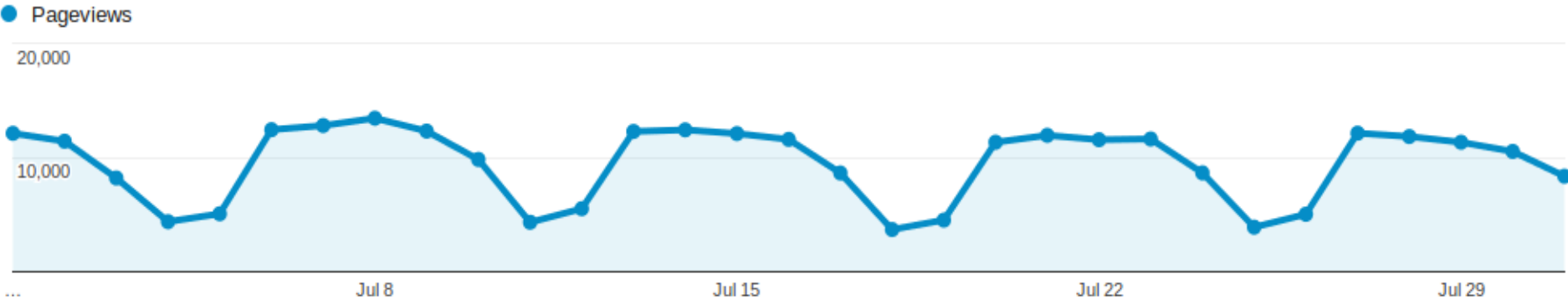
# answers.ros.org visitors: July 2015

## Overview

Jul 1, 2015 - Jul 31, 2015

Pageviews VS. [Select a metric](#)

Hourly Day Week Month



### Site Content

Page

Page Title

### Site Search

Search Term

### Events

Event Category

### Page

### Pageviews % Pageviews

|     |                                                                                                                                               |  |        |       |
|-----|-----------------------------------------------------------------------------------------------------------------------------------------------|--|--------|-------|
| 1.  | <a href="/questions/">/questions/</a>                                                                                                         |  | 14,708 | 4.98% |
| 2.  | <a href="/question/87866/how-to-edit-the-bashrc-file/">/question/87866/how-to-edit-the-bashrc-file/</a>                                       |  | 2,625  | 0.89% |
| 3.  | <a href="/questions/ask/">/questions/ask/</a>                                                                                                 |  | 1,173  | 0.40% |
| 4.  | <a href="/account/signin/?next=/">/account/signin/?next=</a>                                                                                  |  | 1,155  | 0.39% |
| 5.  | <a href="/question/203610/ubuntu-14042-unmet-dependencies/">/question/203610/ubuntu-14042-unmet-dependencies/</a>                             |  | 1,025  | 0.35% |
| 6.  | <a href="/account/signin/">/account/signin/</a>                                                                                               |  | 931    | 0.32% |
| 7.  | <a href="/question/10543/how-do-i-link-a-library-in-cmake/">/question/10543/how-do-i-link-a-library-in-cmake/</a>                             |  | 773    | 0.26% |
| 8.  | <a href="/question/196455/kinect-installation-and-setup-on-ros-updated/">/question/196455/kinect-installation-and-setup-on-ros-updated/</a>   |  | 645    | 0.22% |
| 9.  | <a href="/questions/scope:all/sort:activity-desc/page:1/">/questions/scope:all/sort:activity-desc/page:1/</a>                                 |  | 582    | 0.20% |
| 10. | <a href="/question/57213/how-i-completely-remove-all-ros-from-my-system/">/question/57213/how-i-completely-remove-all-ros-from-my-system/</a> |  | 518    | 0.18% |

Site: answers.ros.org  
Source: Google  
Analytics  
Annual Growth: 1%

# 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](mailto:ros-users@lists.ros.org) subscribers:
  - 2069 (18% increase)
- [wiki.ros.org](http://wiki.ros.org) users:
  - 4884 (20% increase)
- [answers.ros.org](http://answers.ros.org) users:
  - 11406 (32% increase)

# Engagement Metrics

Interacting with other community members  
(active community members)

# wiki.ros.org: activity in July 2015

- Wiki pages:
  - 16,043 ( 9% increase )
- Wiki page edits:
  - 31.6 / day (averaged over July, 5% decrease)
- Wiki page views:
  - 37,235 / day (averaged over July, 18% increase)

Source: MoinMoin, Google Analytics (sampled 2015-09-11)

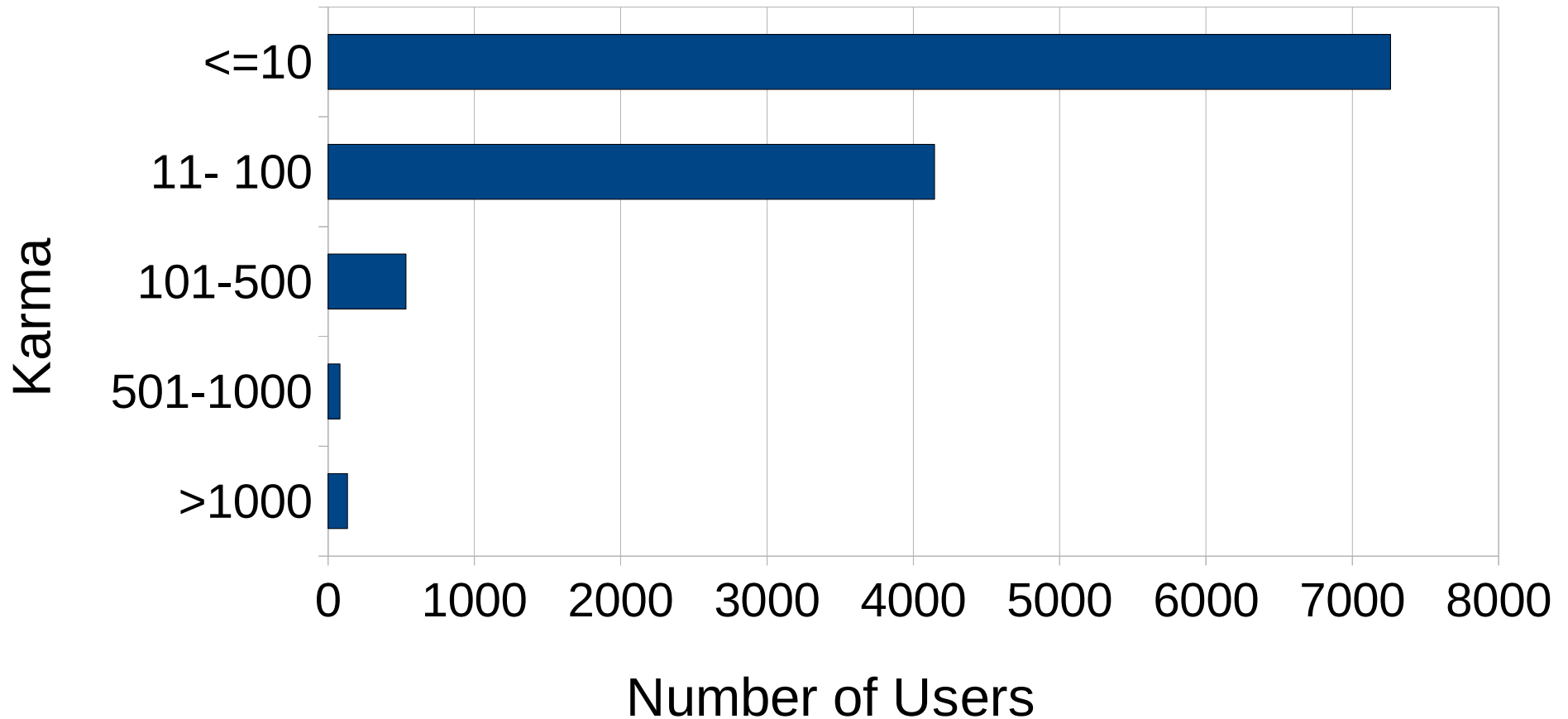
# answers.ros.org: activity

- Total questions:
  - 24,026 (+5882, 32% increase)
- Answered questions:
  - 17,414 ( +5154, 42% increase)
- New questions in July:
  - 523 (16.9 / day, 0% increase)

Source: Askbot  
Sampled: 2015-09-11

# answers.ros.org Karma

Sampled 2015-09-11



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 2015

- Total Unique IP addresses downloading .deb files:
  - 46,611 ( 5 % decrease)
- Total downloads of .deb packages:
  - 3,270,752 (8% decrease)
- Unique package names downloaded as .deb files:
  - 5,592 (40% increase)
- Number of unique versions of .deb packages downloaded:
  - 38,415 (17 % decrease)

Source: Apache2, counting only downloads from the main repository (not the testing repository, shadow-fixed, or mirrors)  
Some server logs may have been lost prior to analysis.

# Top 40 Downloaded Packages

Direct downloads from packages.ros.org - July 2015

|                                 |       |                                |      |
|---------------------------------|-------|--------------------------------|------|
| python-rosdistro                | 10334 | ros-indigo-actionlib-msgs      | 7040 |
| python-catkin-pkg               | 10331 | ros-indigo-message-filters     | 7040 |
| python-rosdep                   | 9912  | ros-indigo-rostest             | 7039 |
| python-rospkg                   | 9910  | ros-indigo-rosbag-storage      | 7035 |
| ros-indigo-rosbuild             | 7098  | ros-indigo-topic-tools         | 7034 |
| ros-indigo-roscpp-traits        | 7097  | ros-indigo-rosbag              | 7033 |
| ros-indigo-xmllrpcpp            | 7097  | ros-indigo-rostopic            | 7026 |
| ros-indigo-rosconsole           | 7096  | ros-indigo-rosnode             | 7024 |
| ros-indigo-message-runtime      | 7096  | ros-indigo-actionlib           | 7023 |
| ros-indigo-cpp-common           | 7096  | ros-indigo-rosservice          | 7022 |
| ros-indigo-roscpp-serialization | 7095  | ros-indigo-rosmsg              | 7022 |
| ros-indigo-rostime              | 7094  | ros-indigo-pluginlib           | 7017 |
| ros-indigo-roscpp               | 7093  | ros-indigo-rosutf              | 7010 |
| ros-indigo-rosgraph-msgs        | 7088  | python-wstool                  | 7004 |
| ros-indigo-std-msgs             | 7082  | ros-indigo-std-srvs            | 6982 |
| ros-indigo-rospy                | 7063  | ros-indigo-nav-msgs            | 6970 |
| ros-indigo-geometry-msgs        | 7062  | ros-indigo-bondcpp             | 6967 |
| ros-indigo-sensor-msgs          | 7057  | ros-indigo-diagnostic-msgs     | 6966 |
| ros-indigo-roslaunch            | 7048  | ros-indigo-dynamic-reconfigure | 6961 |
| ros-indigo-rosout               | 7045  | ros-indigo-nodelet             | 6961 |

# Binary Downloads by rosdistro

The fraction of packages downloaded per rosdistro

- Electric: 0.01 %
- Fuerte: 0.80 %
- Groovy: 3.21 %
- Hydro: 19.46 %
- Indigo: 53.40 % (Long Term Support Release)
- Jade: 10.70 %

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

# Public Debian Package Mirrors

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

This report does not include data from these mirrors.

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

# roscistro activity

ros / roscistro

Unwatch 41

Unstar 140

Fork 560

August 11, 2015 – September 11, 2015

Period: 1 month

## Overview

266 Active Pull Requests

0 Active Issues

262

Merged Pull Requests

4

Proposed Pull Requests

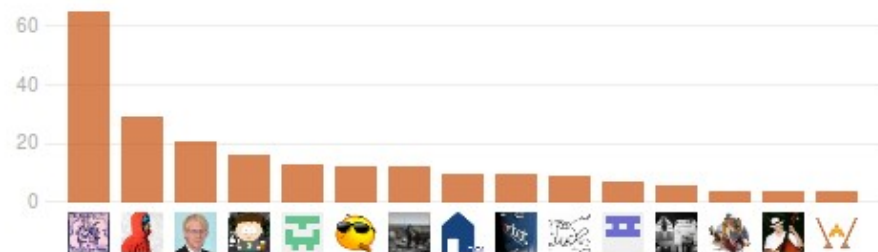
0

Closed Issues

0

New Issues

Excluding merges, **59 authors** have pushed **273 commits** to master and **307 commits** to all branches. On master, **9 files** have changed and there have been **737 additions** and **245 deletions**.



262 Pull requests merged by 57 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.

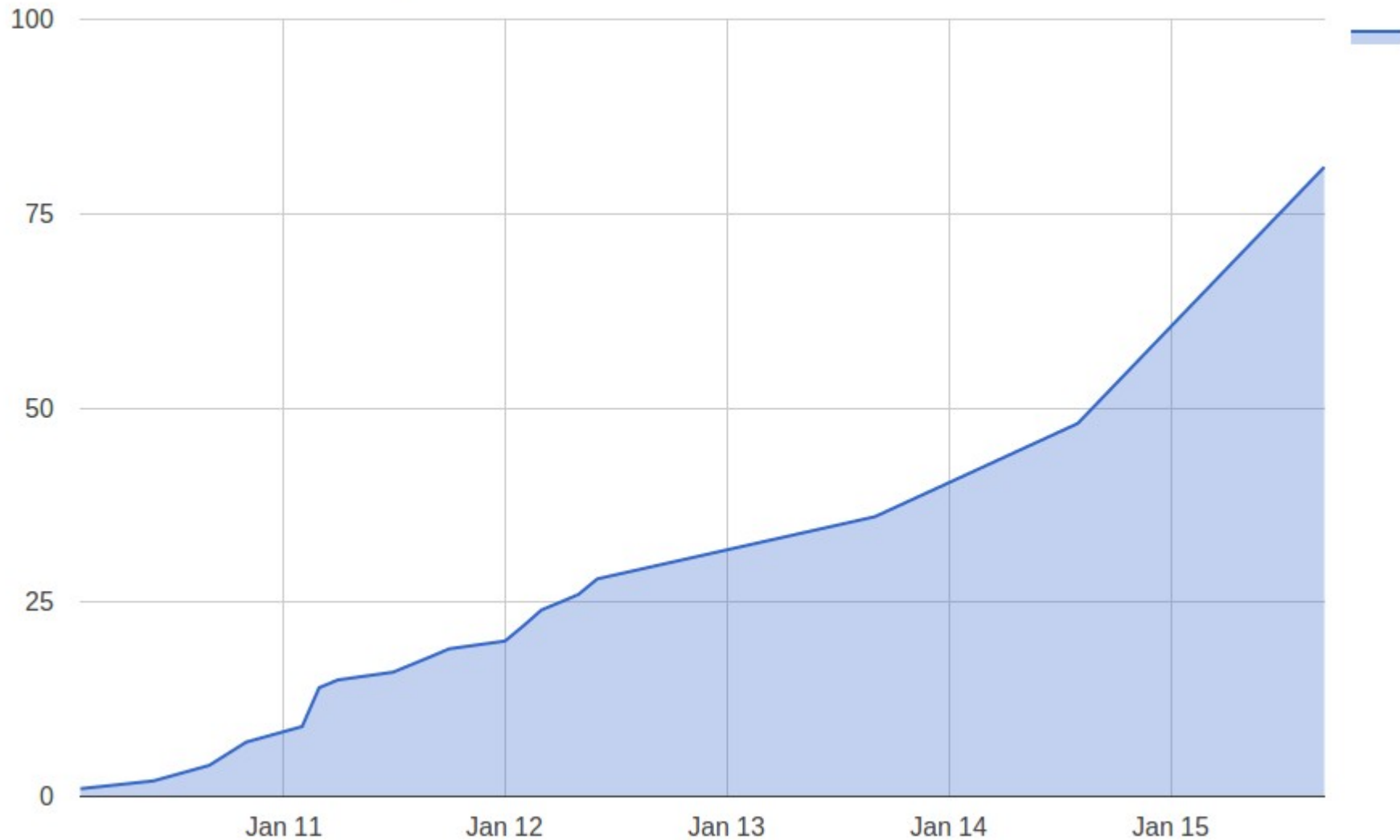
# Research use

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

1843 ( 52% increase)

Source: Google Scholar 2015-09-11

**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)