

# ROS Community Metrics

Tully Foote

July 2012 (Reporting on June 2012)

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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

# ros.org Visitors: June 2012

Jun 1, 2012 - Jun 30, 2012

## Visitors Overview

Advanced Segments | Email **BETA** | Export | Add to Dashboard

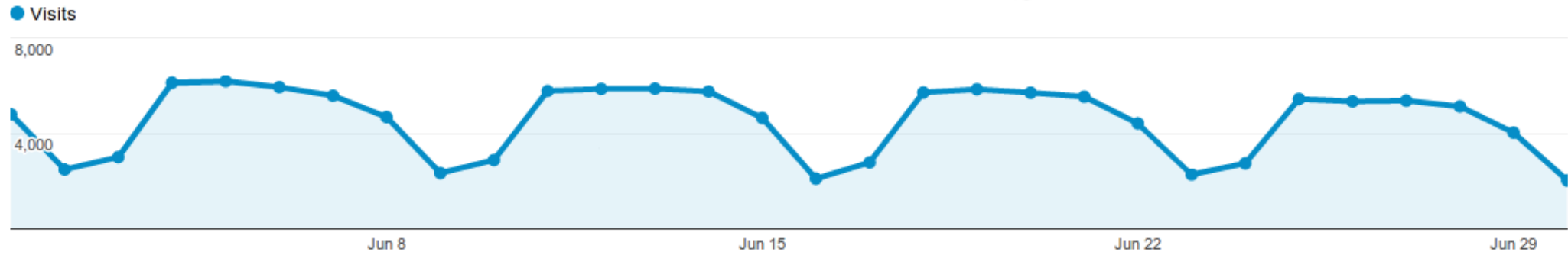
Site: ros.org/wiki  
Source: Google Analytics

% of visits: 100.00%

### Overview

Visits vs. [Select a metric](#)

Hourly Day Week Month



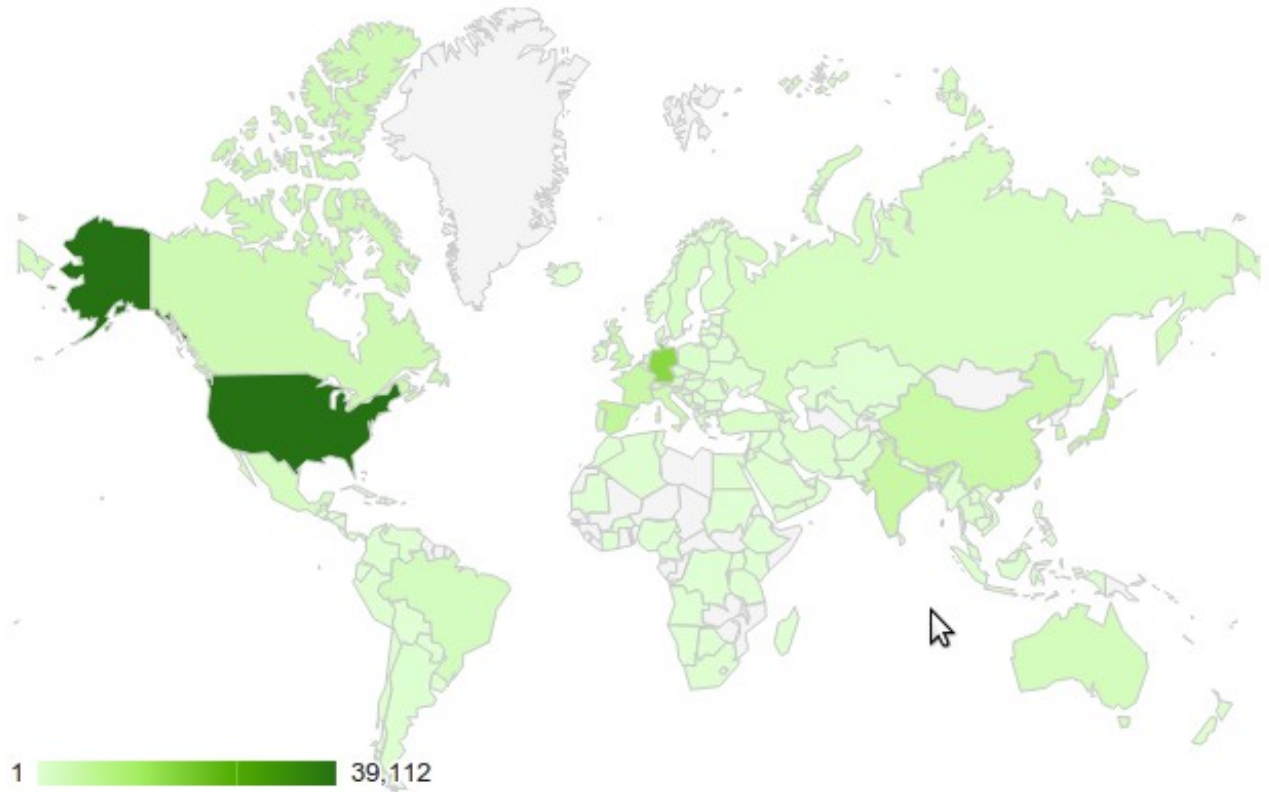
## 40,166 people visited this site

- Visits: 136,298**
- Unique Visitors: 40,166**
- Pageviews: 736,766**
- Pages / Visit: 5.41**
- Avg. Visit Duration: 00:08:03**
- Bounce Rate: 35.53%**
- % New Visits: 22.00%**

Page	Pageviews	% Pageviews
1. <a href="/wiki/">/wiki/</a>	70,066	9.51%
2. <a href="/wiki/ROS/Tutorials">/wiki/ROS/Tutorials</a>	34,376	4.67%
3. <a href="/wiki/ROS/Installation">/wiki/ROS/Installation</a>	24,296	3.30%
4. <a href="/wiki/fuerte/Installation/Ubuntu">/wiki/fuerte/Installation/Ubuntu</a>	15,914	2.16%
5. <a href="/wiki/ROS/Tutorials/InstallingandConfiguringROSEnvironment">/wiki/ROS/Tutorials/InstallingandConfiguringROSEnvironment</a>	9,236	1.25%
6. <a href="/browse/list.php">/browse/list.php</a>	8,687	1.18%
7. <a href="/wiki/Robots">/wiki/Robots</a>	7,683	1.04%
8. <a href="/wiki/ROS/Tutorials/NavigatingTheFilesystem">/wiki/ROS/Tutorials/NavigatingTheFilesystem</a>	6,937	0.94%

# ros.org visitor locations:

Country / Territory	Visits	↓
1. United States	39,112	
2. Germany	17,225	
3. Japan	6,725	
4. Spain	6,563	
5. India	5,187	
6. France	5,074	
7. China	4,975	
8. United Kingdom	4,095	
9. Canada	3,754	
10. Italy	3,549	
11. South Korea	2,890	
12. Australia	2,706	
13. Brazil	2,341	
14. Netherlands	2,214	
15. Mexico	2,168	
16. Russia	2,005	
17. Portugal	1,941	
18. Sweden	1,633	
19. Singapore	1,604	
20. Austria	1,447	



Source: Google Analytics  
Site: ros.org/wiki in June

# Public ros.org Mirrors

- Asia:

- Tokyo, Japan

Data not included from these sources

- Europe:

- Freiburg, Germany
- Lisbon, Portugal
- Barcelona, Catalonia
- Porto, Portugal

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

- North America:

- College Park, Maryland
- Philadelphia, Pennsylvania ([www.pennros.org](http://www.pennros.org))
- Austin, Texas

answers.ros.org:  
visitors



# Visitors Overview answers.ros.org visitors: Jun 1, 2012 - Jun 30, 2012

Advanced Segments | Email **BETA** | Export ▾ | Add to Dashboard

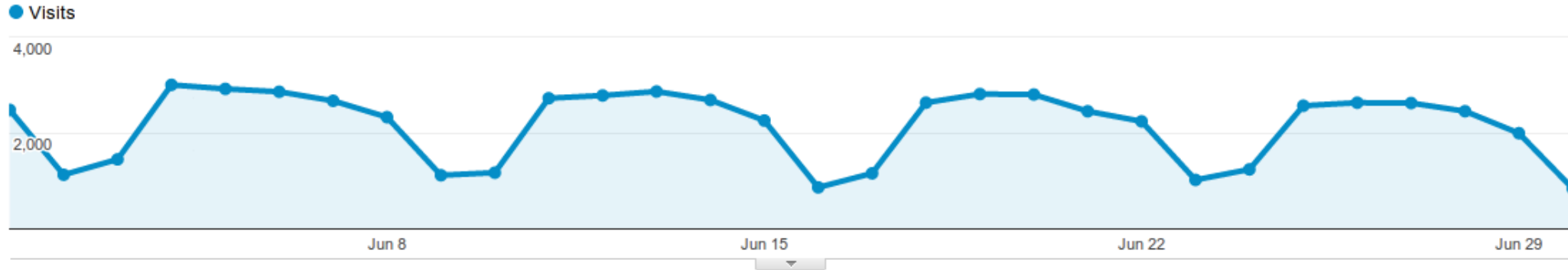
## June 2012

● % of visits: 100.00%



### Overview

Visits ▾ vs. [Select a metric](#)

Hourly **Day** Week Month



**23,537** people visited this site

-  **Visits: 64,689**
-  **Unique Visitors: 23,537**
-  **Pageviews: 177,854**
-  **Pages / Visit: 2.75**
-  **Avg. Visit Duration: 00:03:53**
-  **Bounce Rate: 59.08%**
-  **% New Visits: 29.37%**

### Top Questions:

1.	<a href="/question/33622/openni_launch-not-working-in-fuerte-ubuntu-precise/">/question/33622/openni_launch-not-working-in-fuerte-ubuntu-precise/</a>	461
2.	<a href="/question/9201/how-do-i-install-a-missing-ros-package/">/question/9201/how-do-i-install-a-missing-ros-package/</a>	457
3.	<a href="/question/34772/precise-openni-kinect-rviz/">/question/34772/precise-openni-kinect-rviz/</a>	417
4.	<a href="/question/12900/microsoft-kinect-or-asus-xtion/">/question/12900/microsoft-kinect-or-asus-xtion/</a>	352
5.	<a href="/question/34501/how-to-setting-up-ros-on-raspberrypi/">/question/34501/how-to-setting-up-ros-on-raspberrypi/</a>	328
6.	<a href="/question/35602/ros-fuerte-pandaboard-ubuntu-1204-no-go/">/question/35602/ros-fuerte-pandaboard-ubuntu-1204-no-go/</a>	309
7.	<a href="/question/9192/face-recognition-with-kinect/">/question/9192/face-recognition-with-kinect/</a>	299
8.	<a href="/question/32867/ros-for-ubuntu-precise-1204/">/question/32867/ros-for-ubuntu-precise-1204/</a>	266

Site: answers.ros.org  
Source: Google Analytics

# Membership Metrics

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

# Site & list membership

- Ros-users mailing list subscribers:
  - 1382
- ros.org wiki users:
  - 2015
- answers.ros.org users:
  - 2761
- Job postings that mention ROS:
  - 8
  - (Posted to [robotics-worldwide@](mailto:robotics-worldwide@) Apr-June 2012)

# Engagement Metrics

Interacting with other community members (active community members)

# ros.org: activity

- Wiki pages:
  - 14,164
- Wiki page edits:
  - 47.4 / day (averaged over June)
- Wiki page views:
  - 24,558.9 / day (averaged over June)

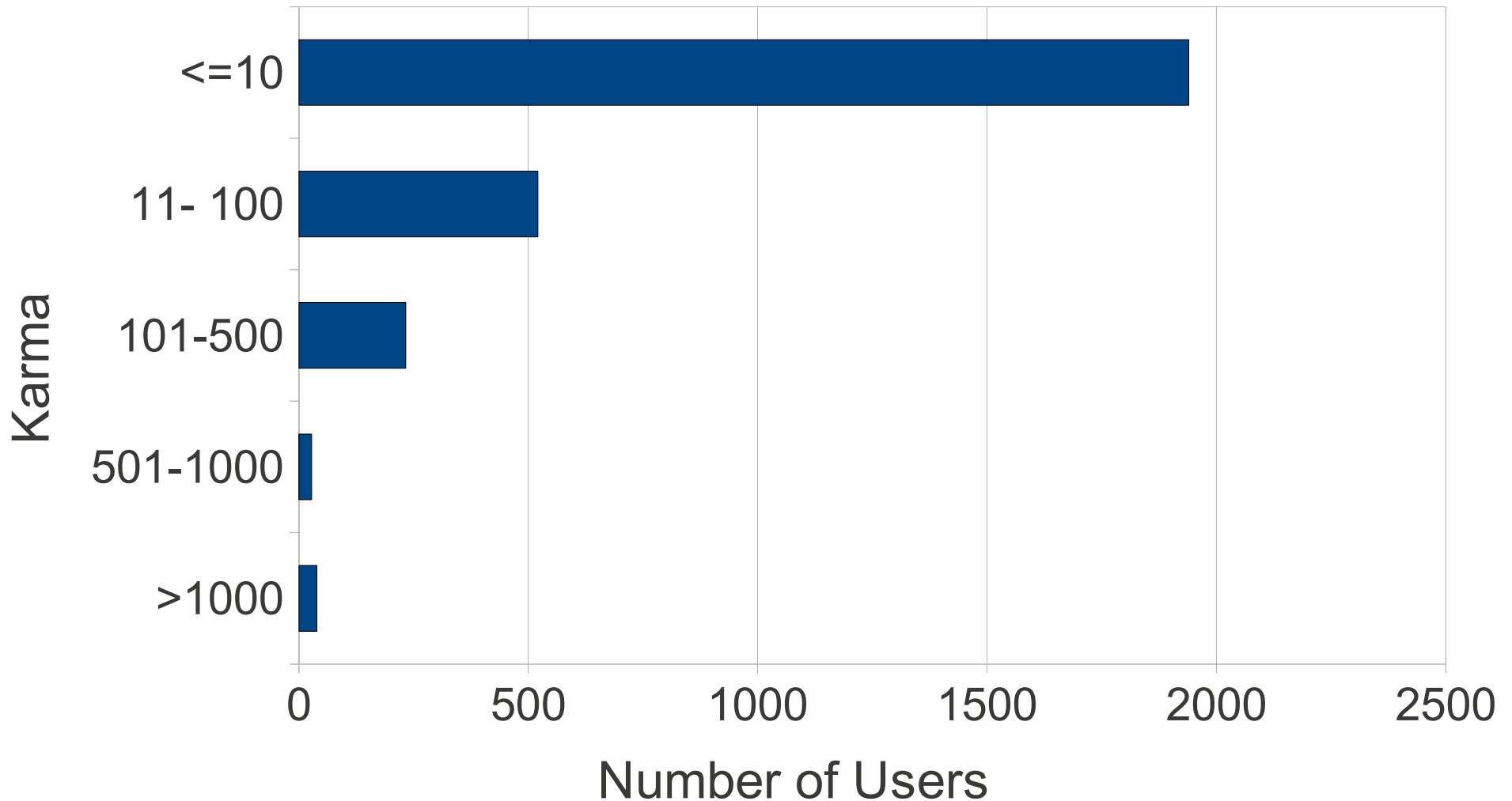
Source: MoinMoin, Google Analytics (sampled  
2012-07-03)

# answers.ros.org: activity

- Total questions:
  - 5,935
- Unanswered questions:
  - 1,207 (20%)
- Total answers + comments:
  - 22,488
- New questions in June:
  - 563 (18.7 / day)

# answers.ros.org Karma

Sampled 2012-07-03



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

# Code Metrics

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



# Binary Downloads – June 2012

- Total Unique IP addresses downloading .deb files:
  - 8,139
- Total downloads of .deb packages:
  - 560,132
- Total number of packages downloaded as .deb files:
  - 1,031
- Number of unique .deb packages downloaded:
  - 16,419

Source: Apache2

# Top 40 Downloaded Packages

Direct downloads from packages.ros.org - June 2012

ros-fuerte-visualization	5548	ros-fuerte-robot-model	4116
ros-fuerte-visualization-tutorials	5511	ros-fuerte-image-common	4112
ros-fuerte-simulator-gazebo	5502	ros-fuerte-bfl	4106
python-rospkg	5251	ros-fuerte-common-msgs	4101
ros-fuerte-desktop-full	5007	ros-fuerte-laser-pipeline	4095
ros-electric-visualization-common	4672	ros-electric-visualization-tutorials	4091
ros-electric-visualization	4534	ros-fuerte-filters	4083
ros-electric-simulator-gazebo	4284	ros-fuerte-diagnostics	4072
ros-fuerte-geometry	4184	ros-fuerte-driver-common	4050
ros-fuerte-orocos-kinematics-dynamics	4182	ros-fuerte-xacro	4021
ros-fuerte-visualization-common	4180	ros-fuerte-common	4013
ros-fuerte-perception-pcl	4175	ros-fuerte-catkin	4012
ros-fuerte-common-rosdeps	4170	ros-fuerte-pcl	4004
ros-fuerte-bullet	4160	ros-fuerte-python-qt-binding	3998
ros-fuerte-ros	4157	ros-fuerte-rospack	3996
ros-fuerte-ros-comm	4151	ros-fuerte-std-msgs	3988
ros-fuerte-nodelet-core	4148	ros-fuerte-roscpp-core	3985
ros-fuerte-pluginlib	4148	ros-fuerte-vision-opencv	3984
ros-fuerte-bond-core	4143	ros-fuerte-genmsg	3981
ros-fuerte-dynamic-reconfigure	4140	ros-fuerte-actionlib	3977

# Public Debian Package Mirrors

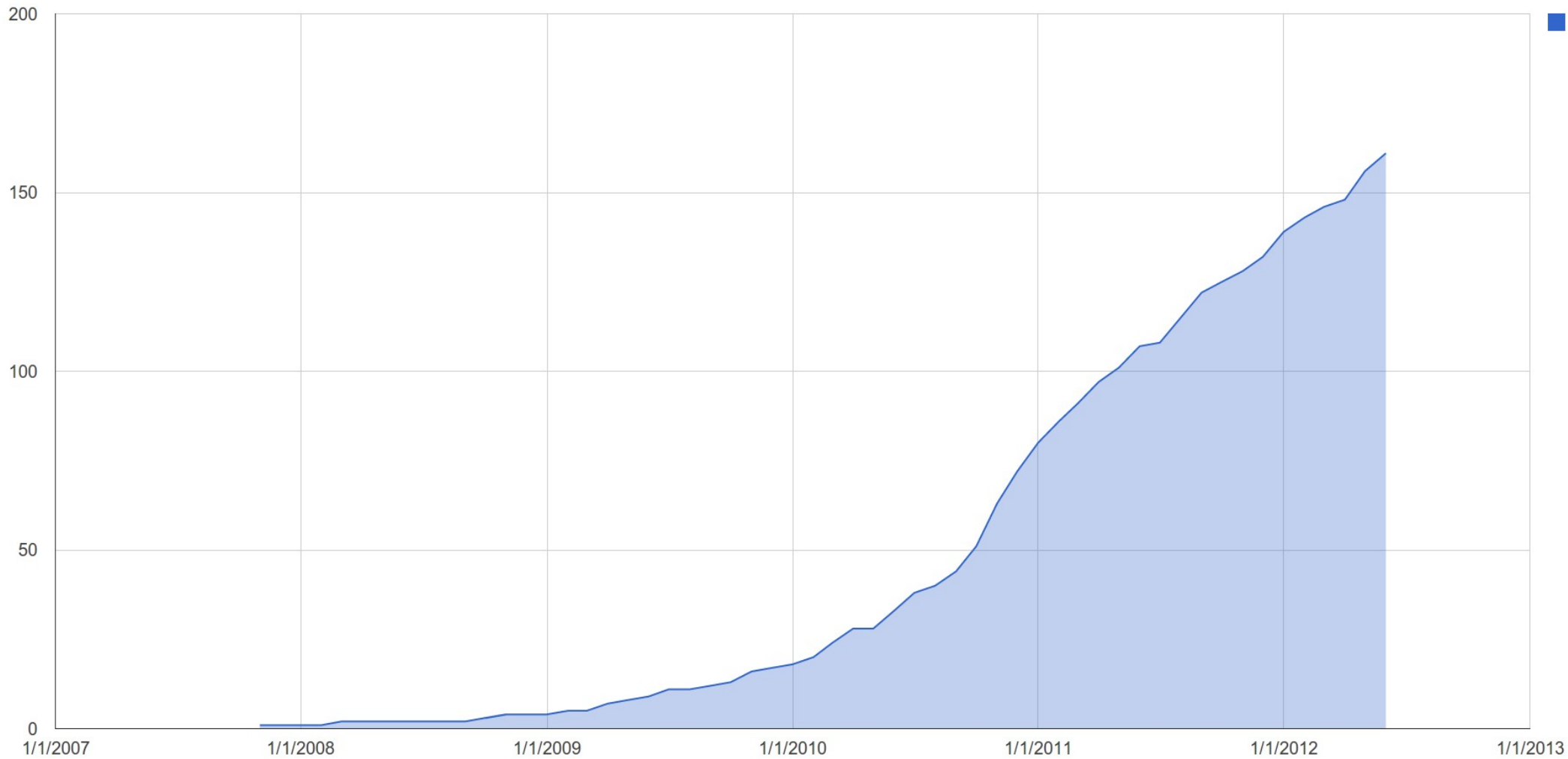
- Freiburg (Germany)
- University of Maryland (USA)
- Case Western Reserve University (USA)

Statistics not counted from these sources

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

# Known Repositories

Publicly released and indexed repositories

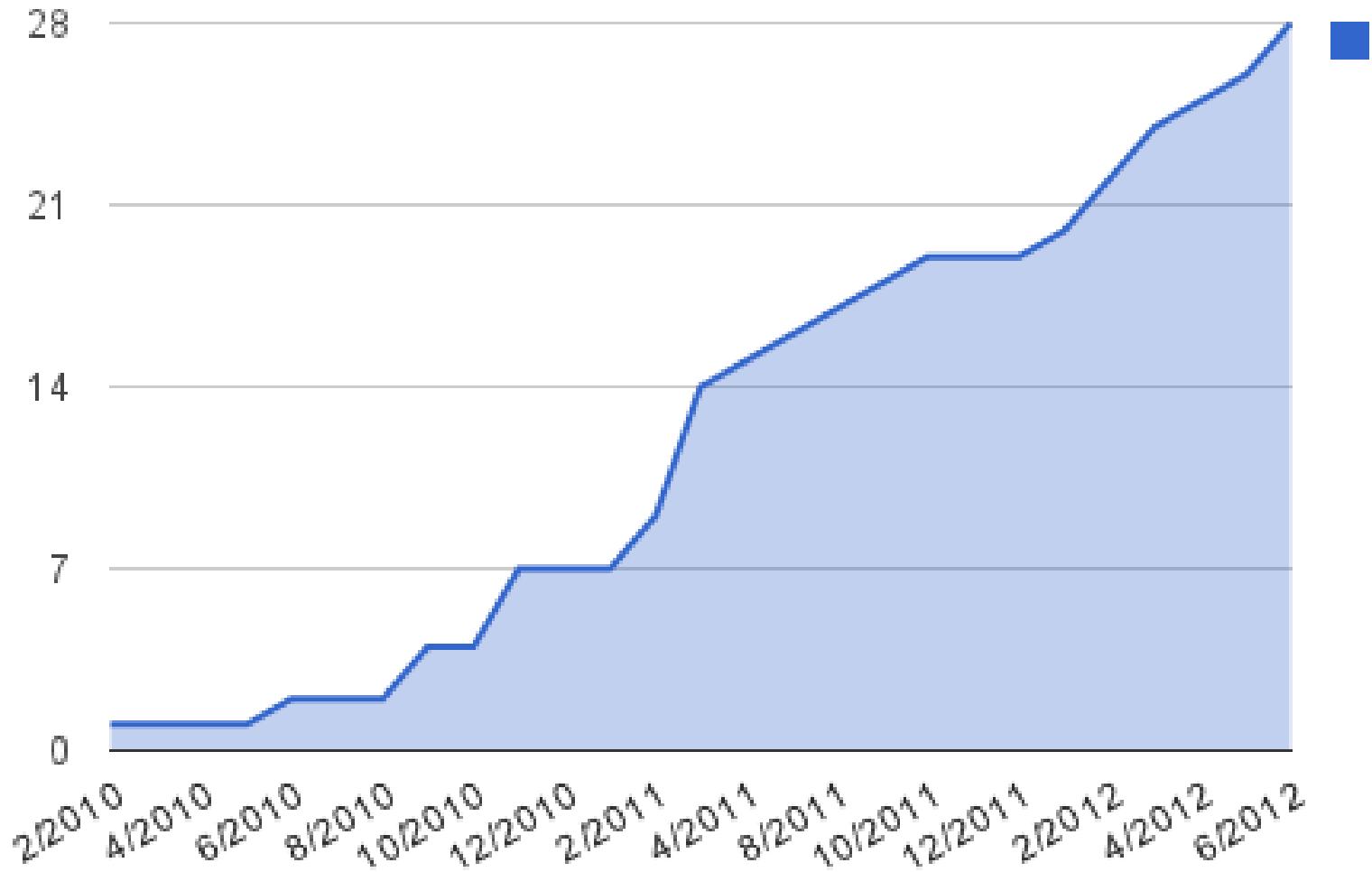


# Research use

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

309

## Robots officially supporting ROS



Source: Ken Conley, Tully Foote