

# APNIC Update

15 April 2015

Paul Wilson

**APNIC**

Issue Date: 15 Apr 2015

Revision:



# APNIC's Vision

*A global, open, stable, and secure  
Internet that serves the entire Asia  
Pacific community*

# APNIC in 2014

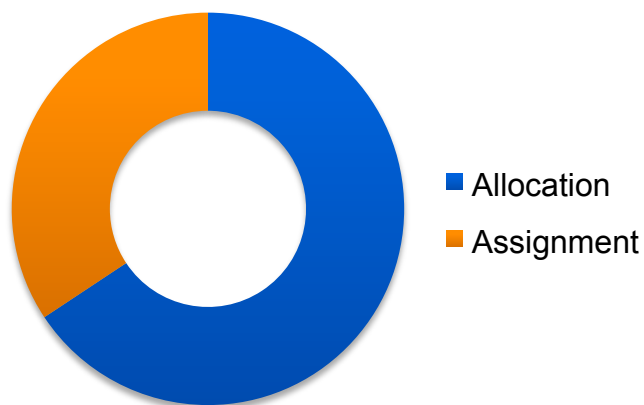
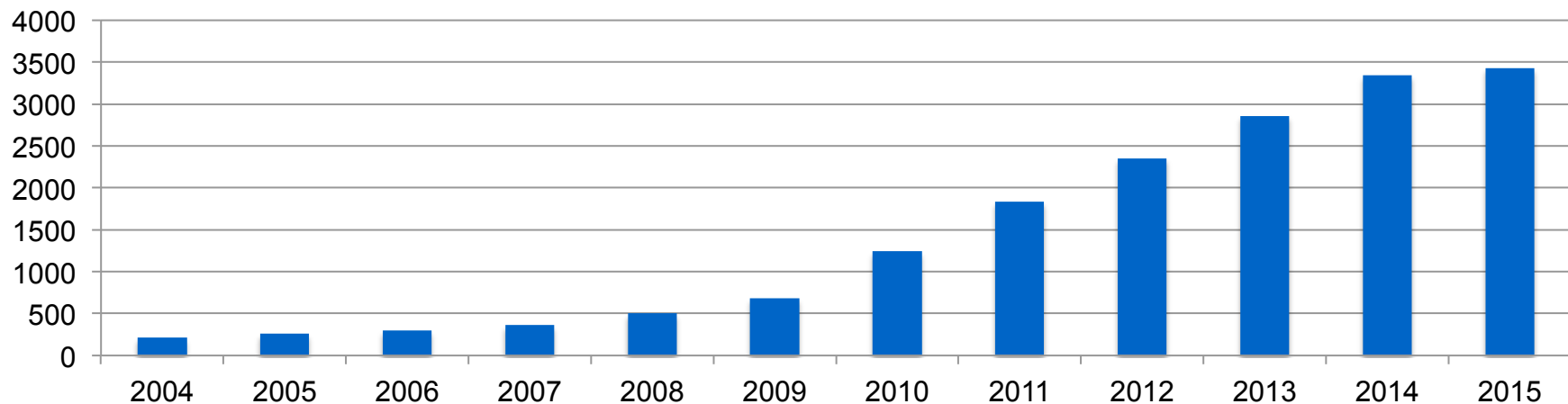


Serving

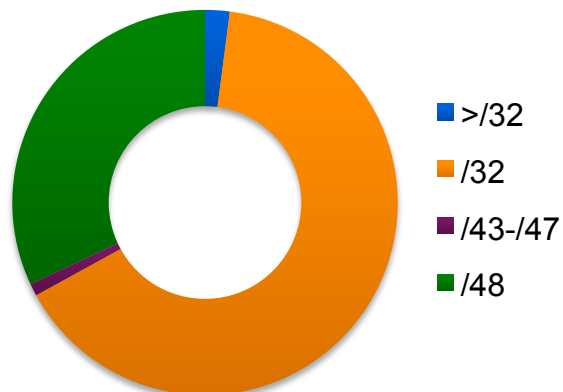
Supporting

Collaborating

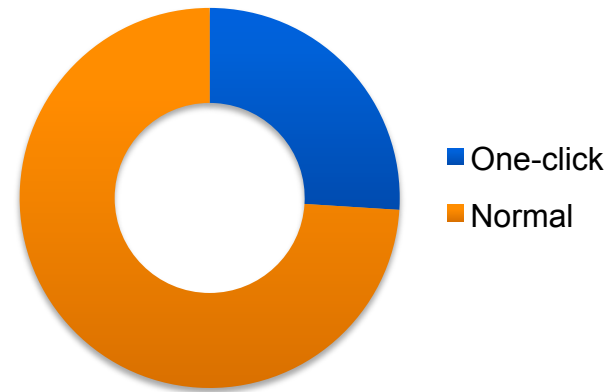
# IPv6 Delegations



By delegation type



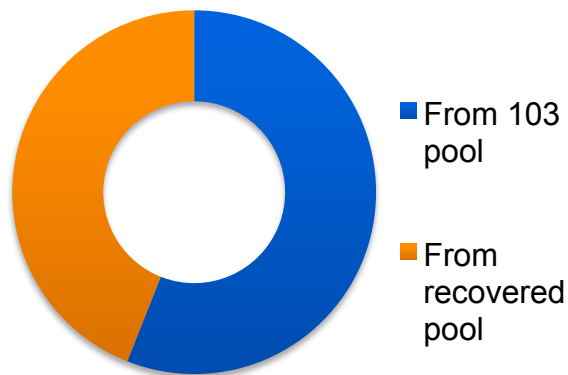
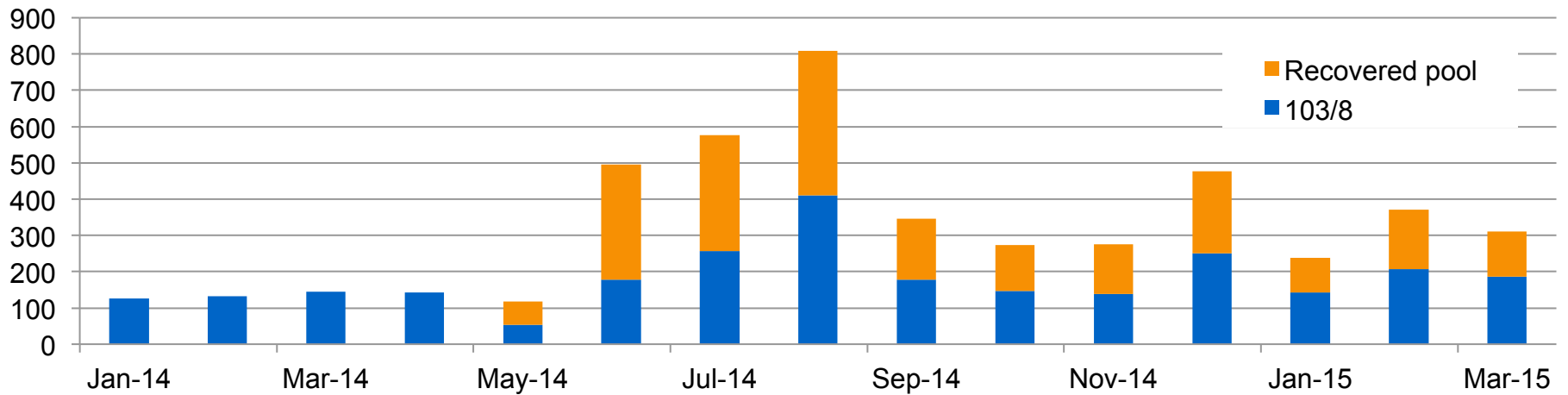
By size



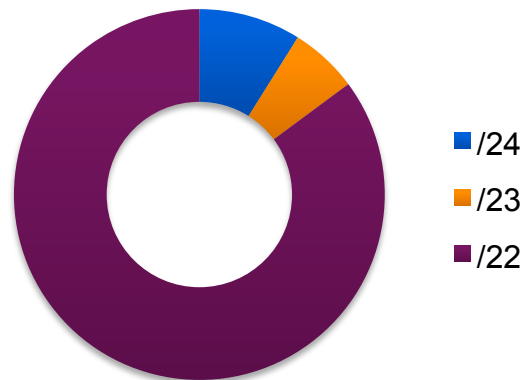
By request type

As at 31 March

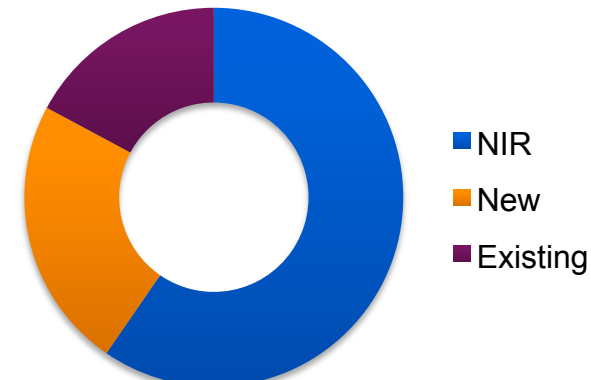
# IPv4 Delegations



By pool



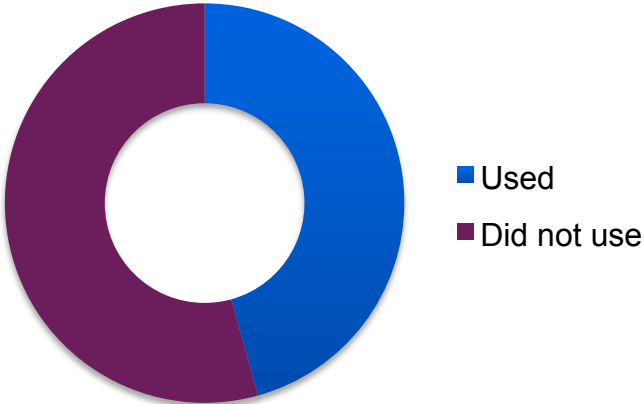
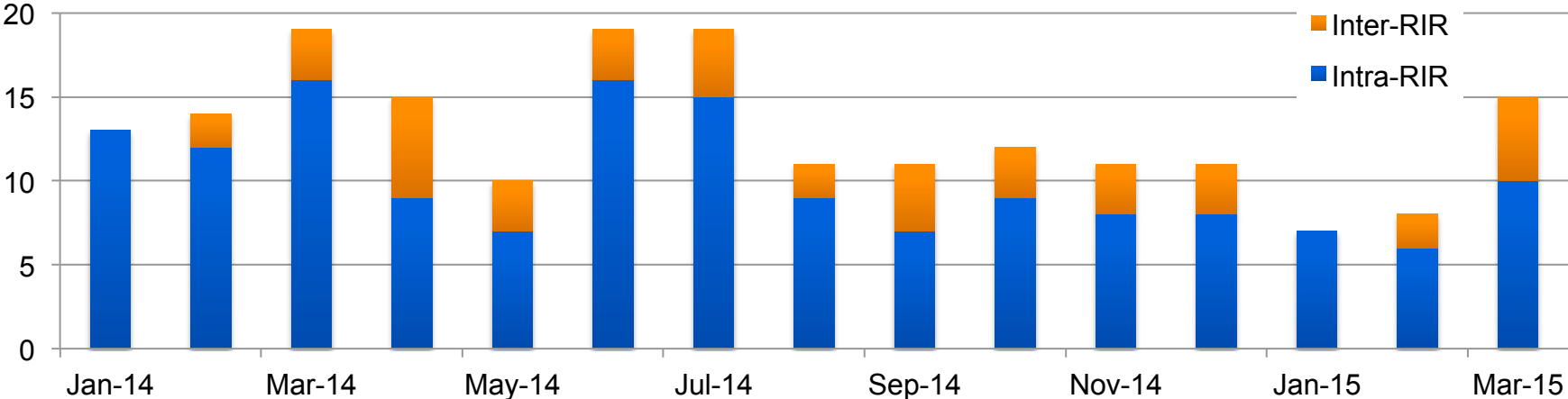
By size



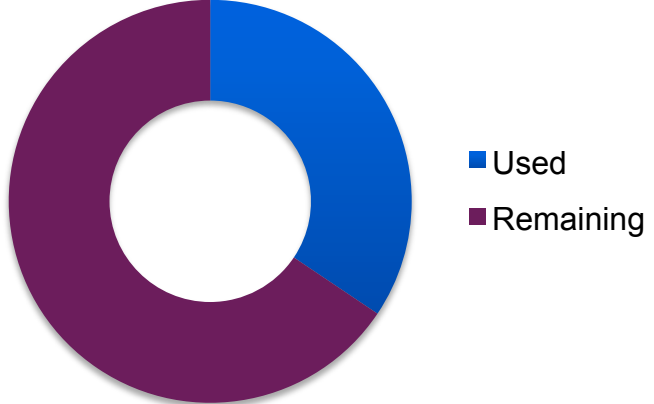
By Member

As at 31 March

# IPv4 Transfers



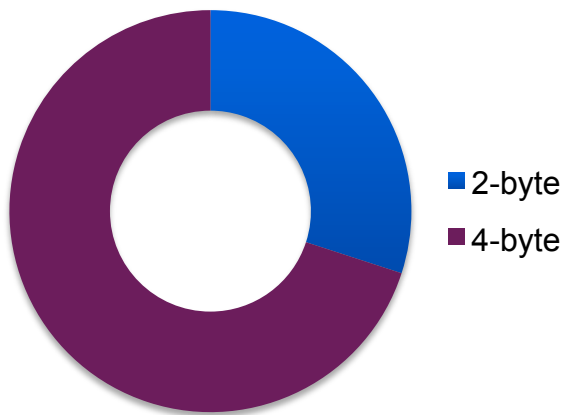
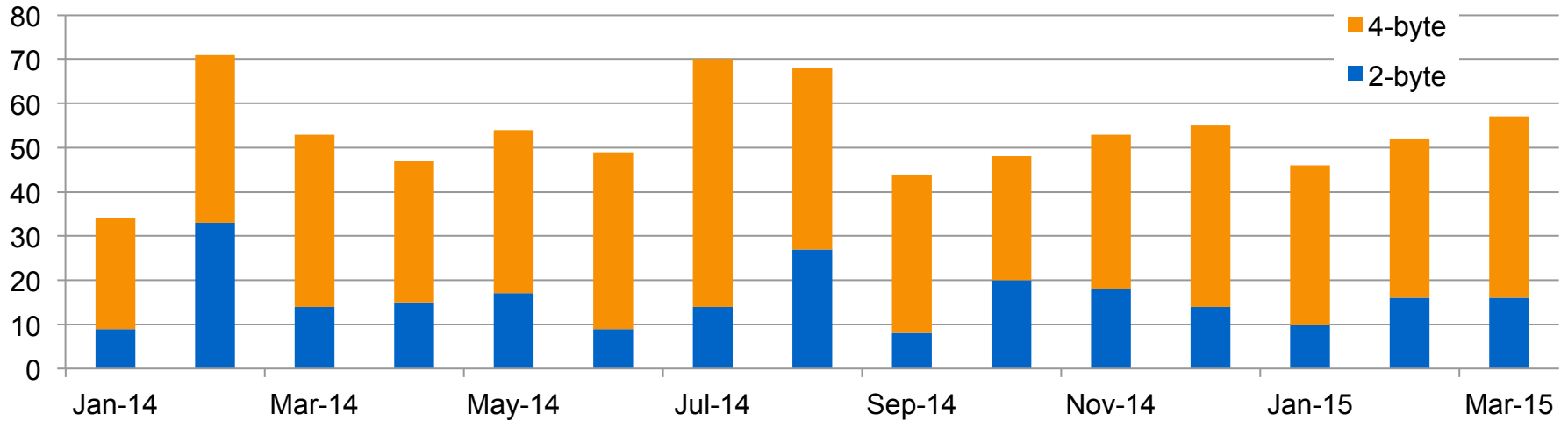
Using listing service



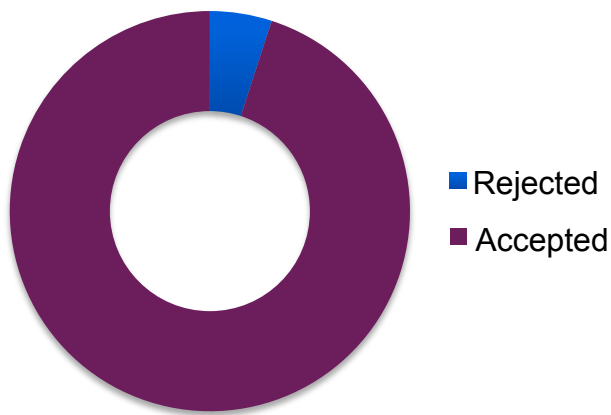
Pre-approval usage

As at 31 March

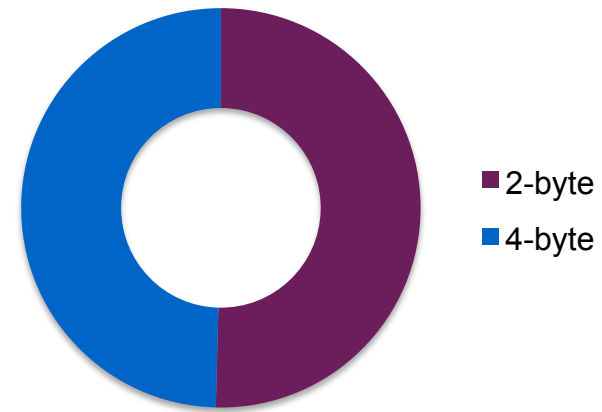
# ASN Assignments



By type



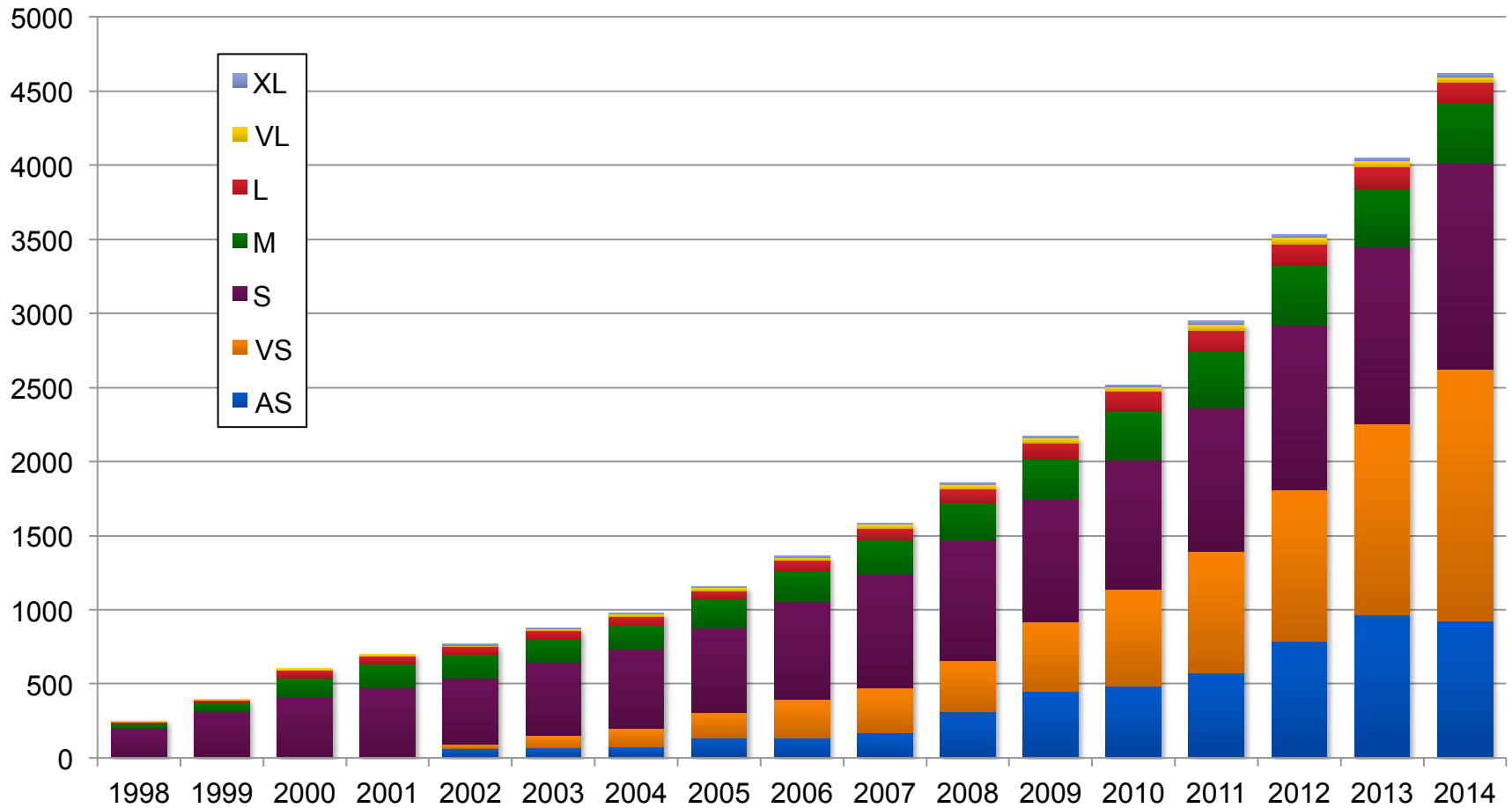
4-byte return rate



Global ASN use

As at 31 March

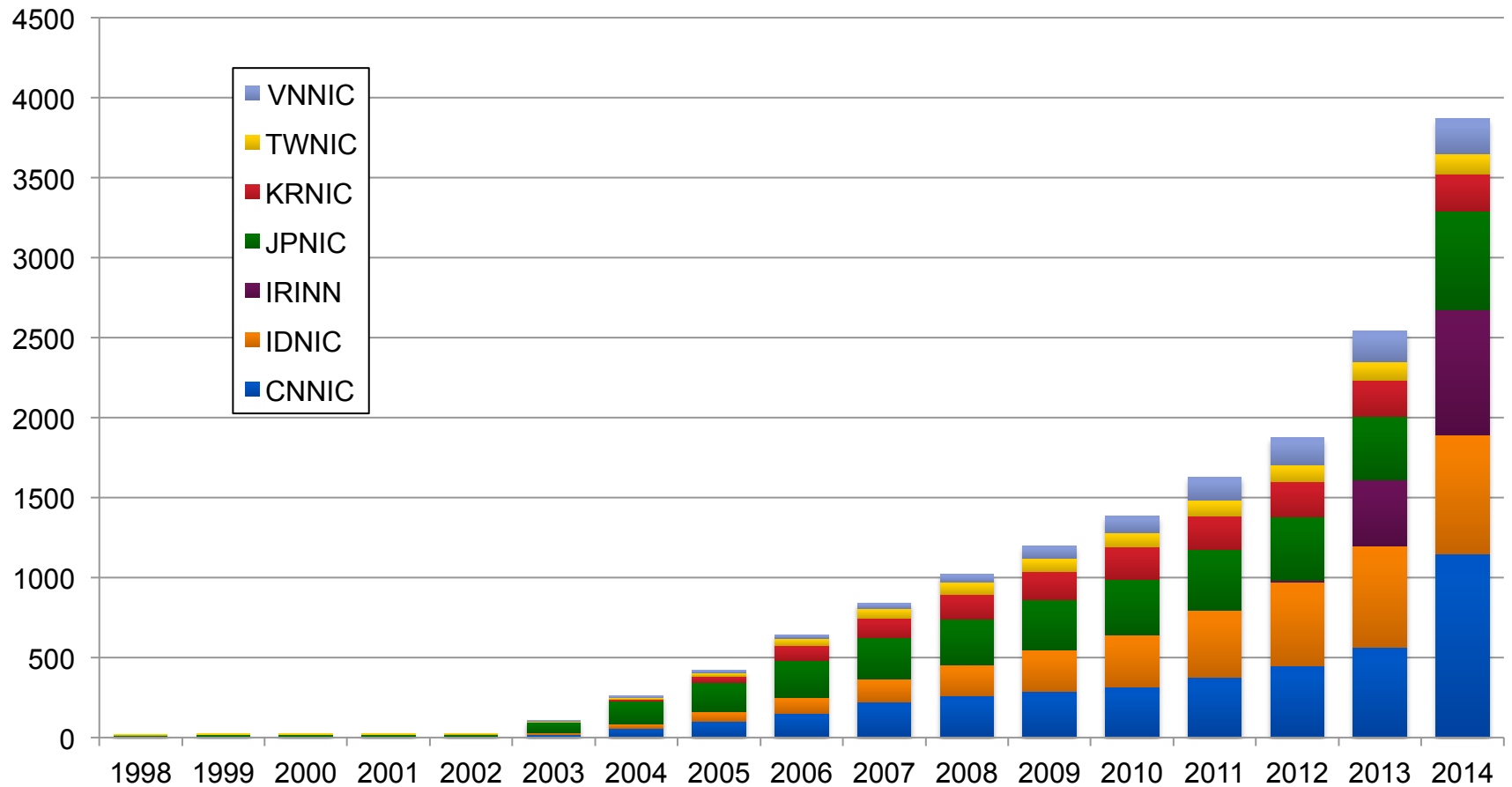
# APNIC Membership



As at 31 December



# Total NIR Sub-Accounts



As at 31 December

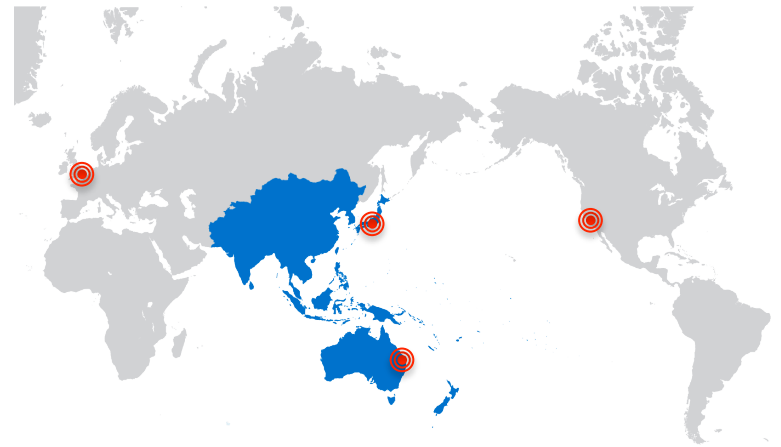
# Distributed Whois

Deployed distributed Whois service to improve responsiveness and resilience

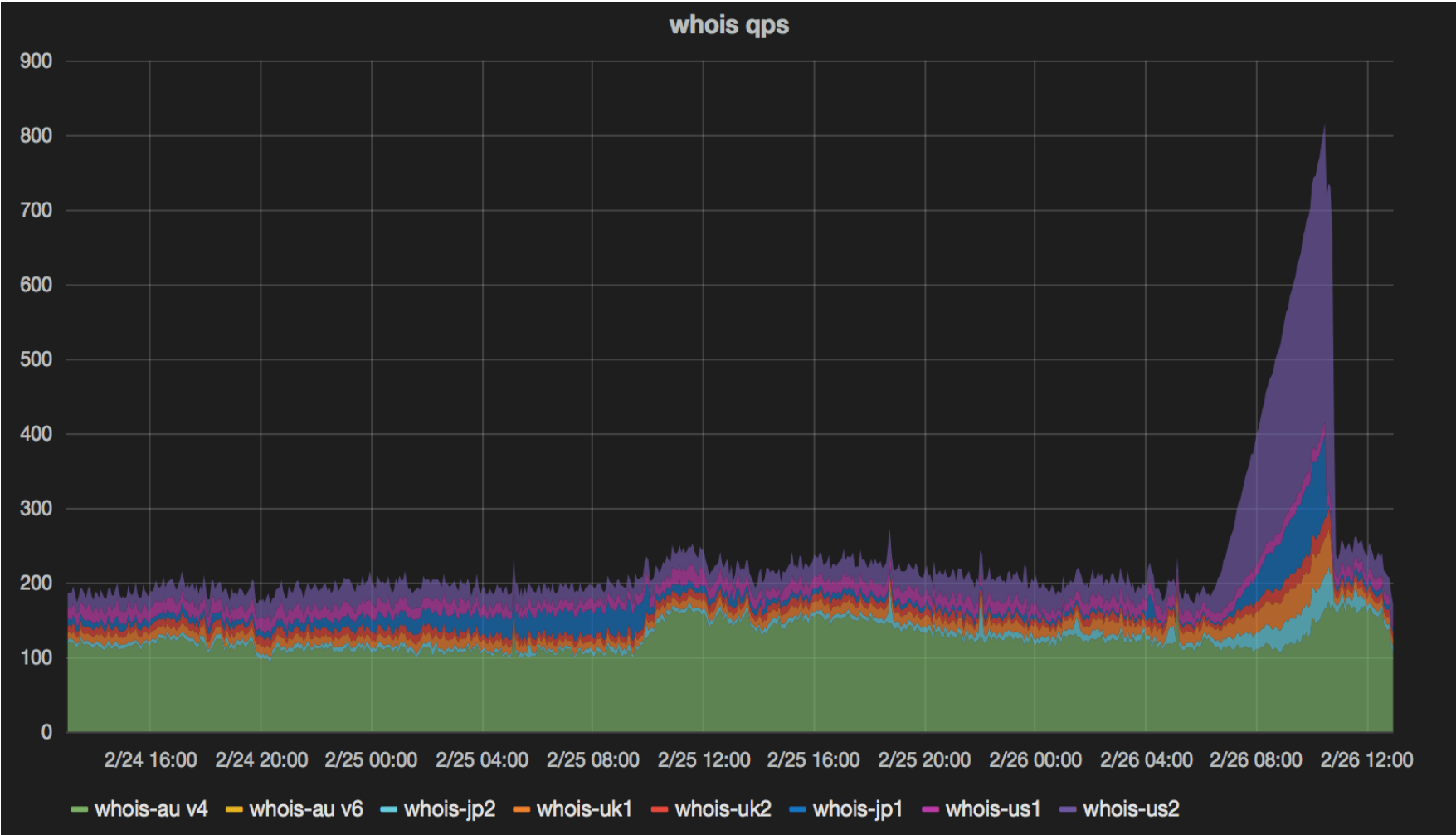
4 servers now operating:  
Brisbane, Tokyo, London, Fremont

Response times have improved up to  
10x for majority of users

Multiple sites to sink attack traffic without  
bringing the service down



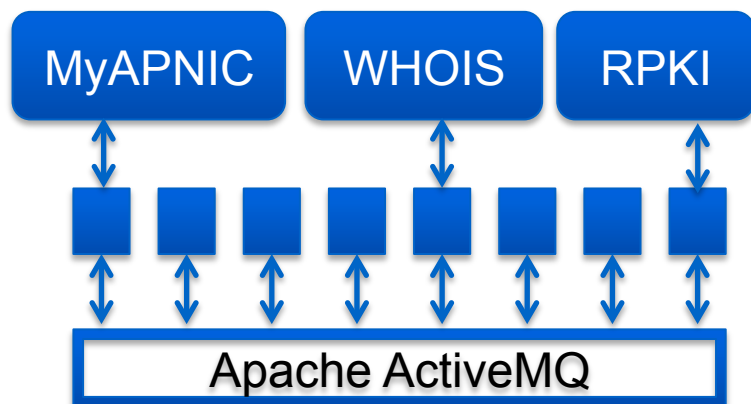
# Distributed Whois



# Distributed Whois



# Improved System Architecture



Based on Message Bus  
integration pattern

Deployment on Linux (CentOS)  
Java 7 development environment  
Apache ActiveMQ inter-process  
communications

Increased responsiveness  
provides improved user  
experience  
Faster development cycles for  
new feature requests

# Supporting Infrastructure

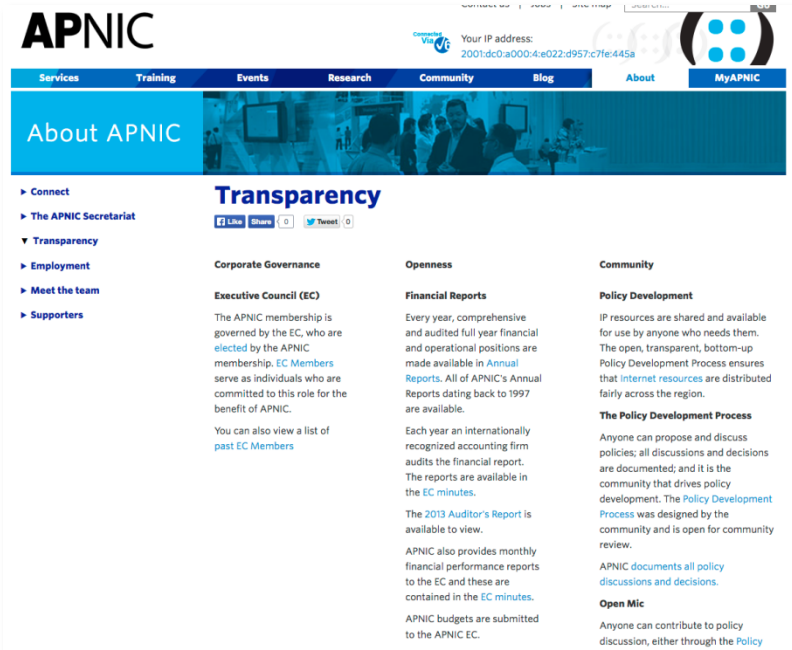


VMware virtualization  
for increased reliability  
(175+ machines)

Deployment of Puppet  
Configuration Management  
for centralized synchronization  
and updates

DRP audit and exercising

# Accountability & Transparency



Transparency web page updated

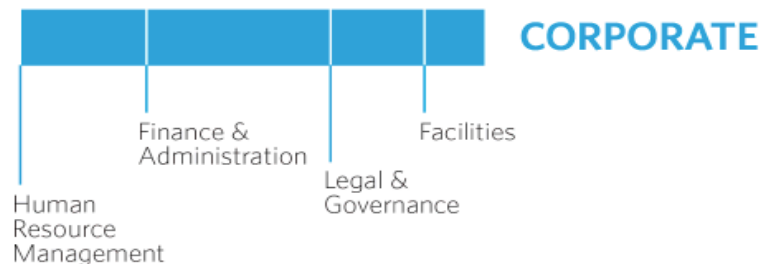
RIR accountability matrix

Improved internal financial audit process established

Appointment of new external financial auditors

ISO9001 external audit – passed!

# 2015 Activity Plan & Budget



Enhanced visibility of planned activities and resource allocation



# APNIC in 2014



# Policy Development



# 2014 Policy Implementations

16 April

prop-107: AS number transfer proposal

7 May

prop-109: Allocate 1.0.0.0/24 and 1.1.1.0/24 to APNIC Labs as Research Prefixes

27 May

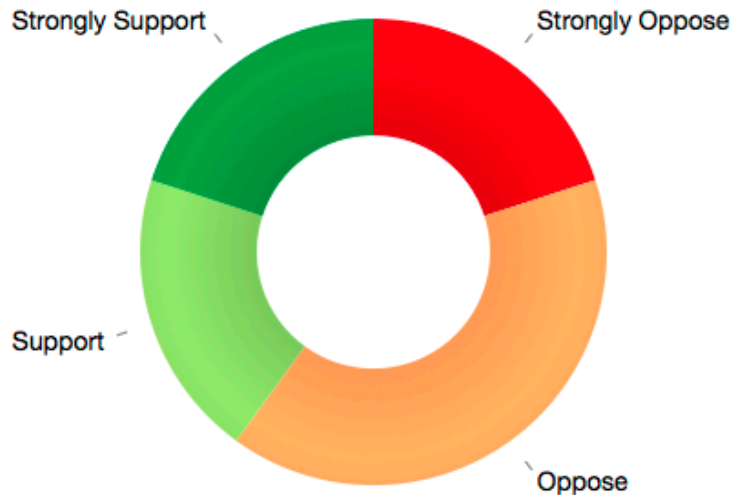
prop-105: Distribution of returned IPv4 address blocks (Modification of prop-088)

# CONFER: Consensus Tool

The proposal under discussion is [PROP-123](#).

"This is a test proposal for demonstration purposes"

Please select a radio button to indicate your response to the proposal.



Strongly Oppose     Oppose     Neutral     Support     Strongly Support

Captures  
participants' views  
in real time

Piloted at APNIC 38

Supporting tool for  
future SIGs

# APNIC Training in 2014

76 face-to-face  
courses held in  
29 locations

2,352 professionals  
trained face-to-face

534 professionals  
trained via 141  
eLearning sessions

Video archives  
63 videos  
177,993 views



# APNIC Events 2014



Mix of small and large regional meetings to effectively reach Members

Improved video and social media coverage

Expanded community meetings at APNIC 38: APTLD, Pacific Workshop, ISOC

Member visits to Brisbane office as part of APNIC 38 experience

'Meet the EC' social event introduced

# NOGs in 2014



- Expert training to build skills
- Knowledge sharing on IPv6, network security, transfers
- APNIC Hostmaster support to answer Member queries
- Financial/logistical support where needed



# IPv6 Events



686 professionals trained in 16 economies

Presented at 24 industry events

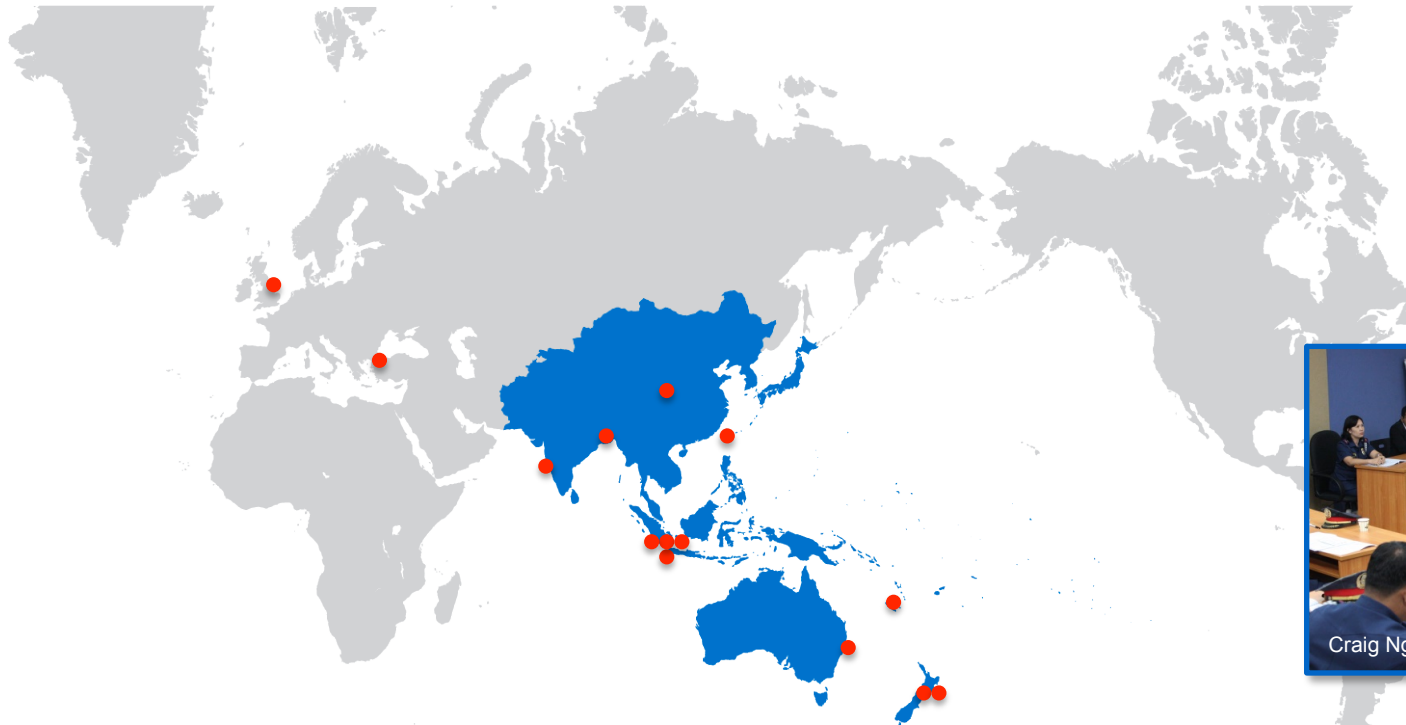
Generated 26 pieces of IPv6 media coverage

Joint IPv6 workshops with ITU

Continuous support to APIIPv6TF



# Security Outreach



Participation in NOGs, CSIRTS and LEA events to educate and learn

Training for Pacific LEAs held in NZ, Brunei and Indonesia

Promoting new initiatives & security best practices among Members

# RPKI Initiatives

**READY TO  
ROA**



10 face-to-face and elearning RPKI training courses delivered

RPKI presentations to NOGs and conferences

Development of the 'Ready to ROA' Campaign – hands on sessions to help Members create ROAs

New shirts, stickers, web content to promote campaign

Ready to ROA launched in 2015

# APNIC in 2014

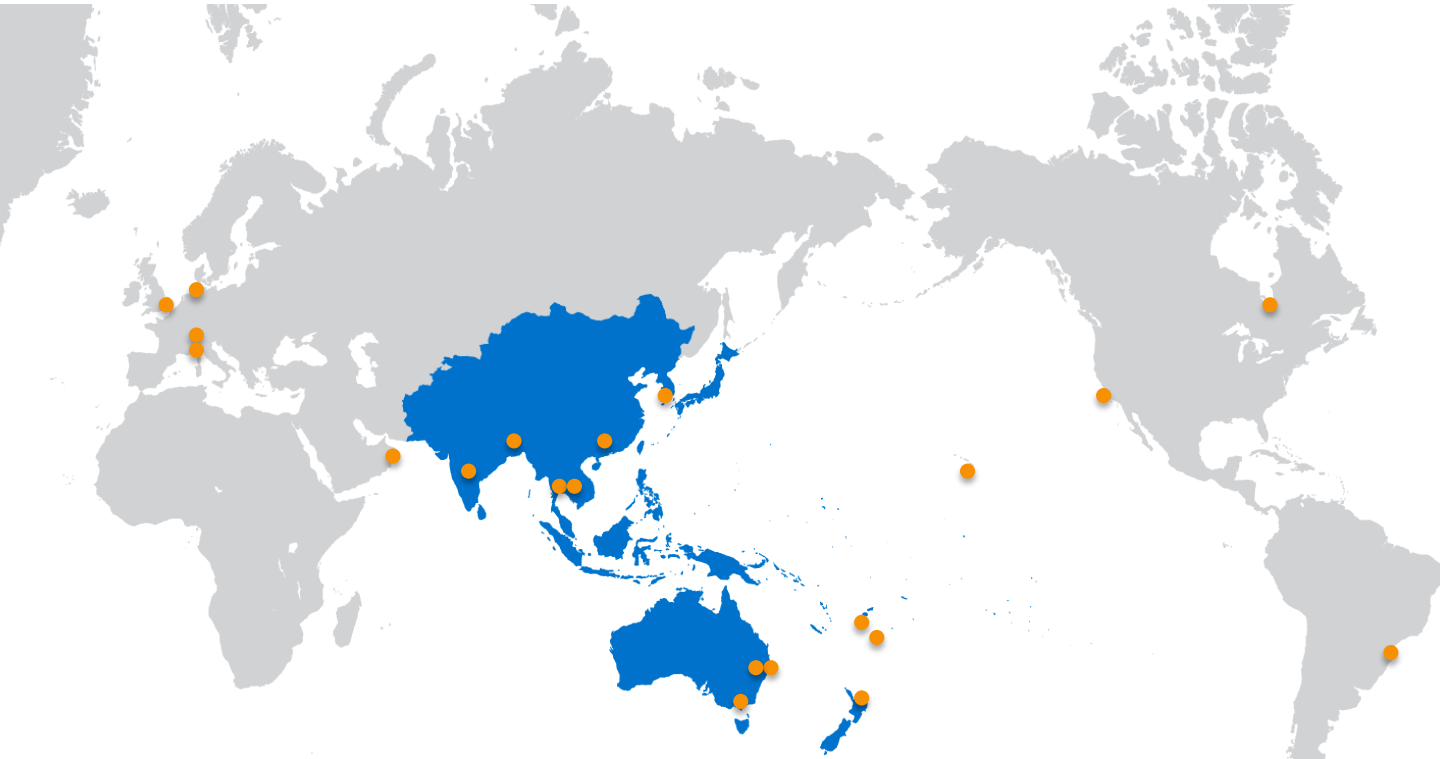


Serving

Supporting

Collaborating

# Global Cooperation



IPv6 advocacy

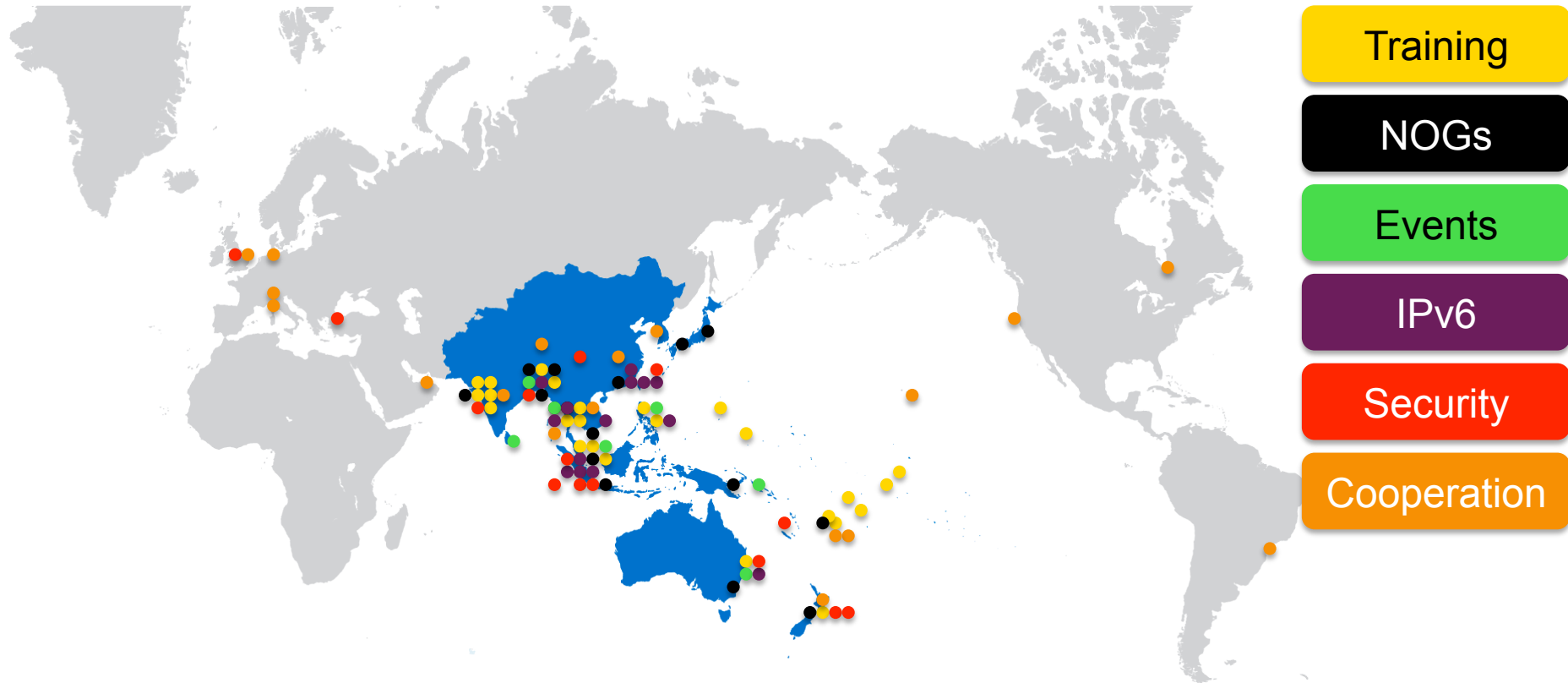
Coordination with RIRs and Internet organizations

Engaging with government agencies in training and skills development

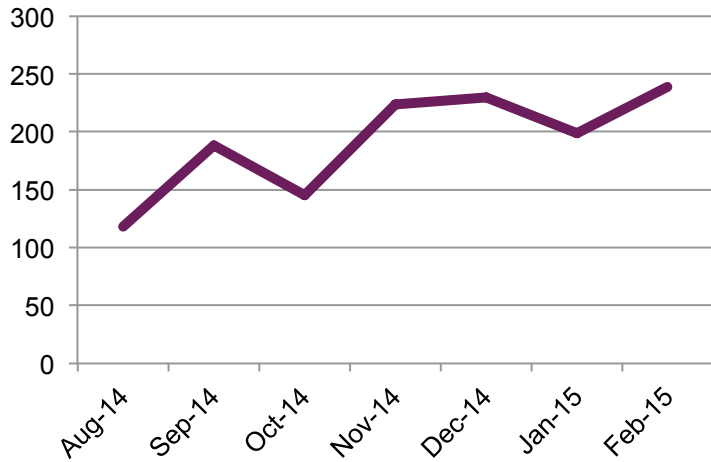
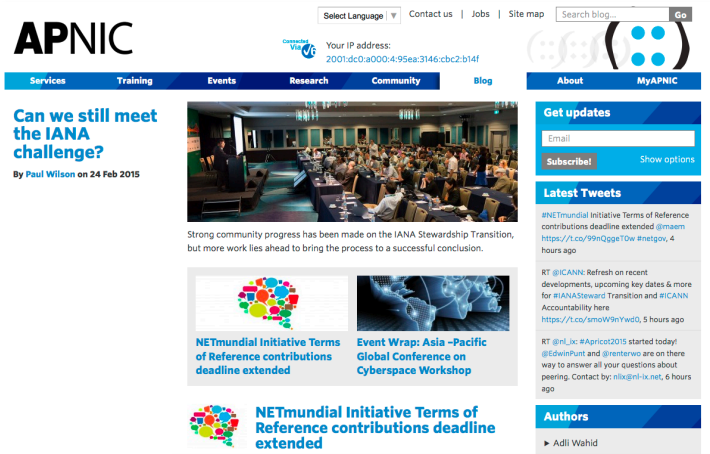
Supporting IANA Stewardship Transition

Promoting the RIR model

# Engagement map 2014



# blog.apnic.net



APNIC Blog launched in August 2014 to simplify APNIC communication

Simple and more engaging format

Total of 232 Posts

33 bloggers – including 12 guest community bloggers

39,000+ views – ave 239/day

# Improving Communication



‘Event wraps’ for clear reporting of APNIC event activities

More active social media

Twitter: 1,182 new followers (↑ 45%)

Facebook: 163,438 people reached organically (↑ 126%)

Weibo: established 2014

Updated APNIC video library

YouTube: 10,605 views (↑ 84%)

Website refresh – more to come!

# You're Invited!



APNIC 40, Jakarta, Indonesia  
3-10 September 2015

[conference.apnic.net/40](http://conference.apnic.net/40)



# Thank you

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**APNIC**

