

APNIC Update

20 May 2015

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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

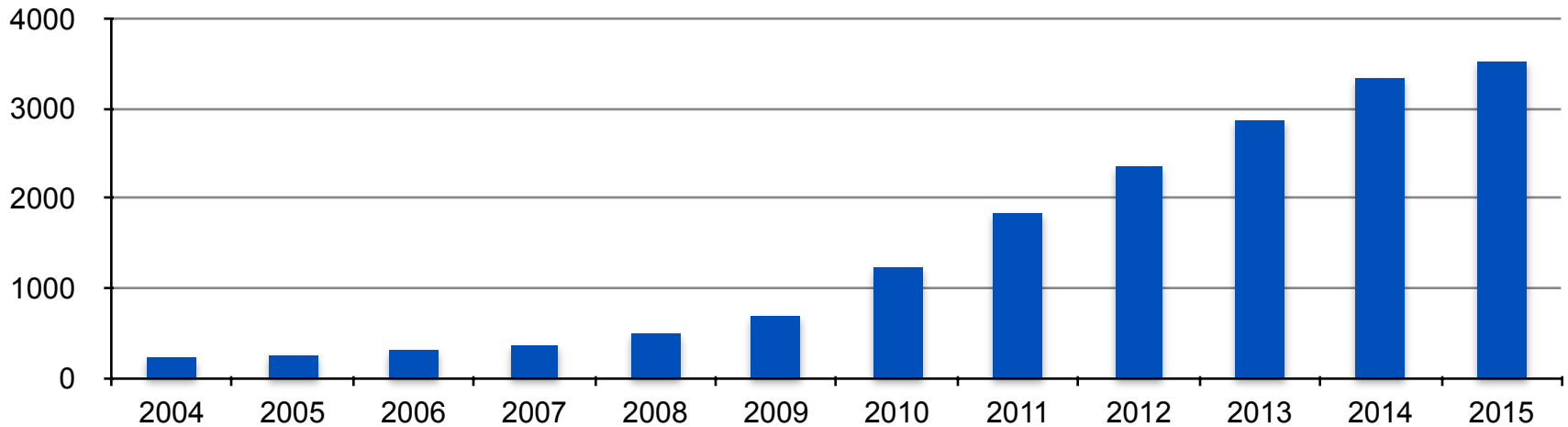


Serving

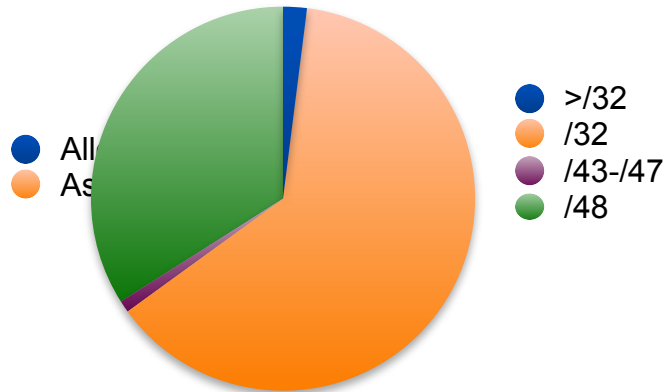
Supporting

Collaborating

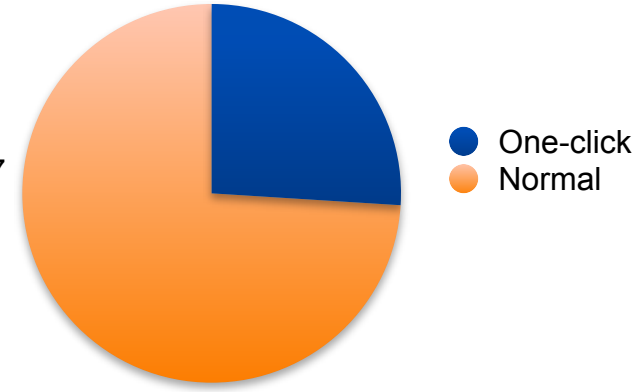
IPv6 Delegations



By delegation type



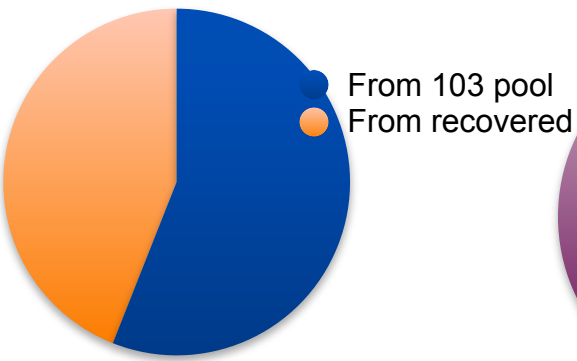
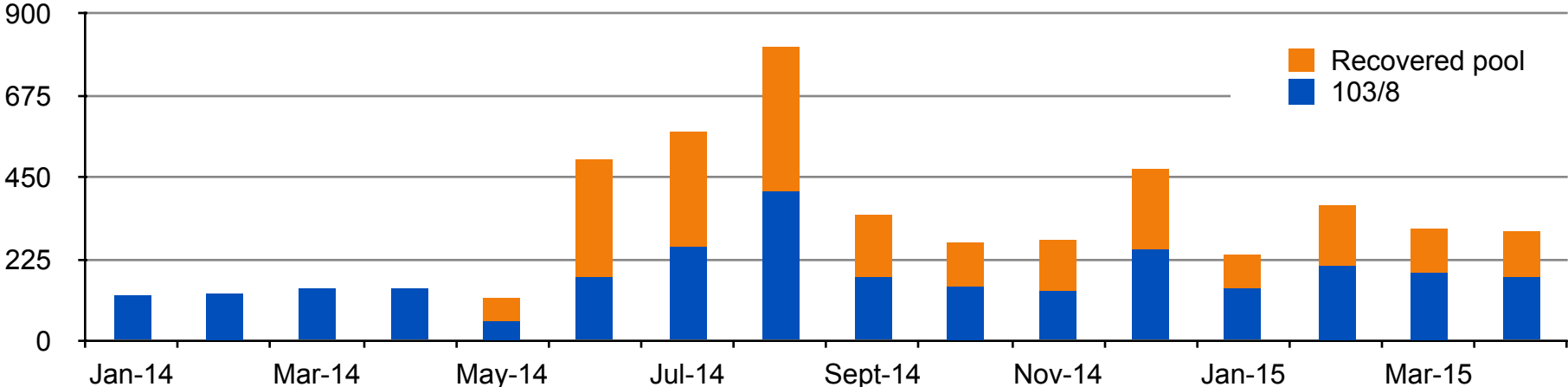
By size



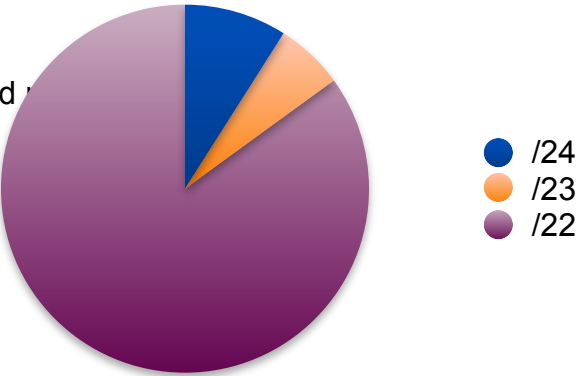
By request type

As at 30 April

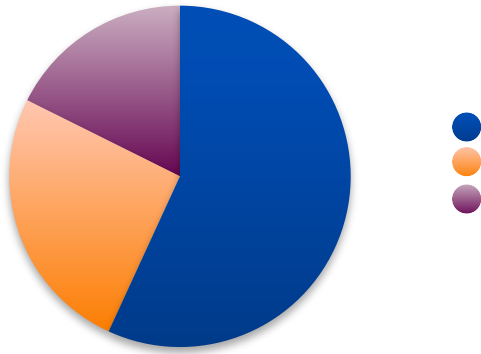
IPv4 Delegations



By pool



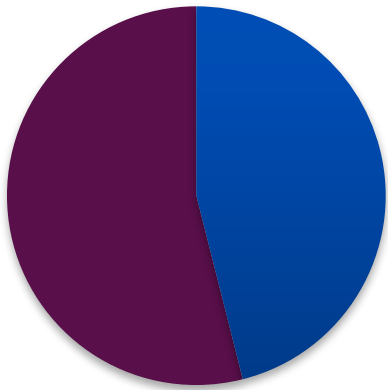
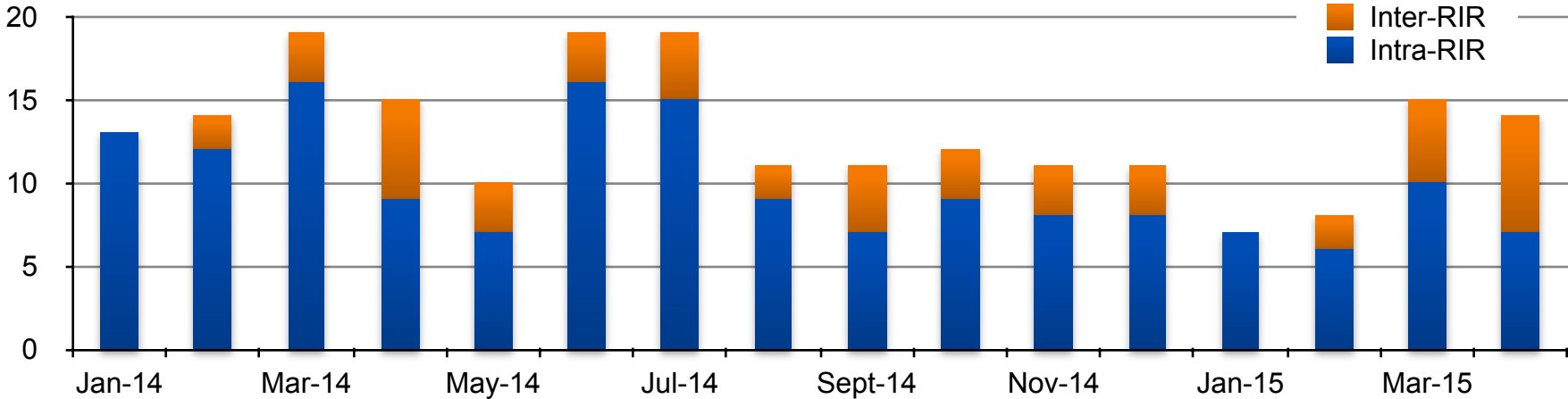
By size



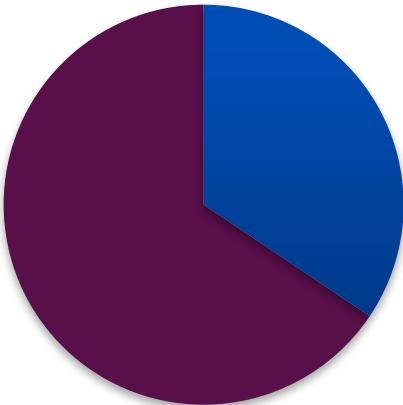
By Member

As at 30 April

IPv4 Transfers



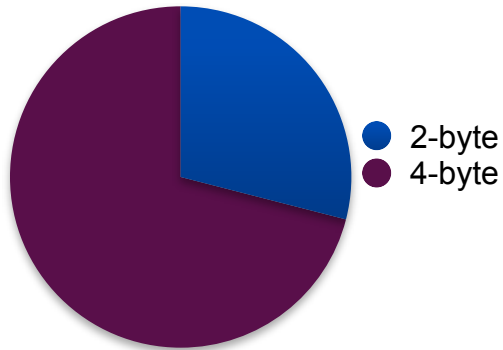
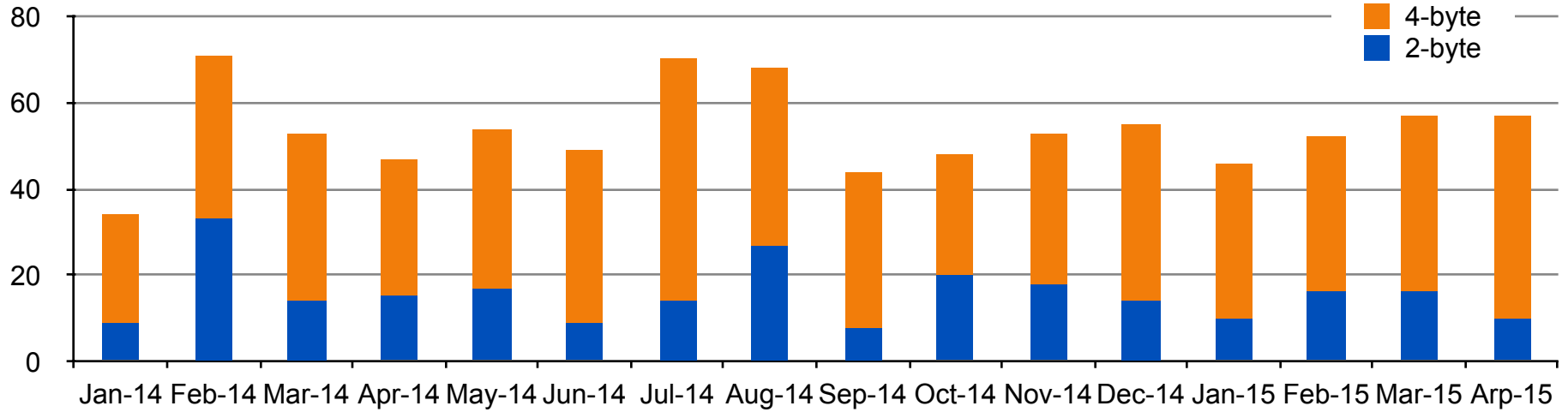
Using listing service



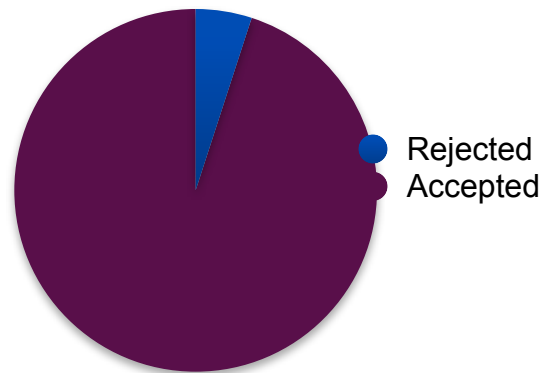
Pre-approval usage

As at 30 April

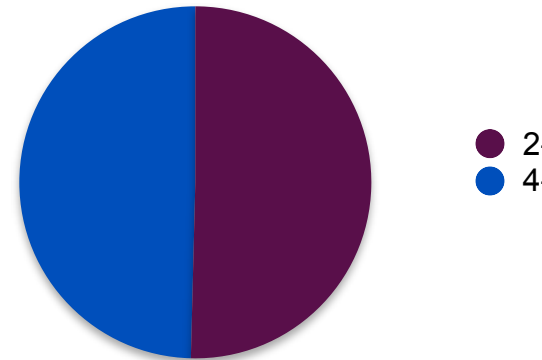
ASN Assignments



By type



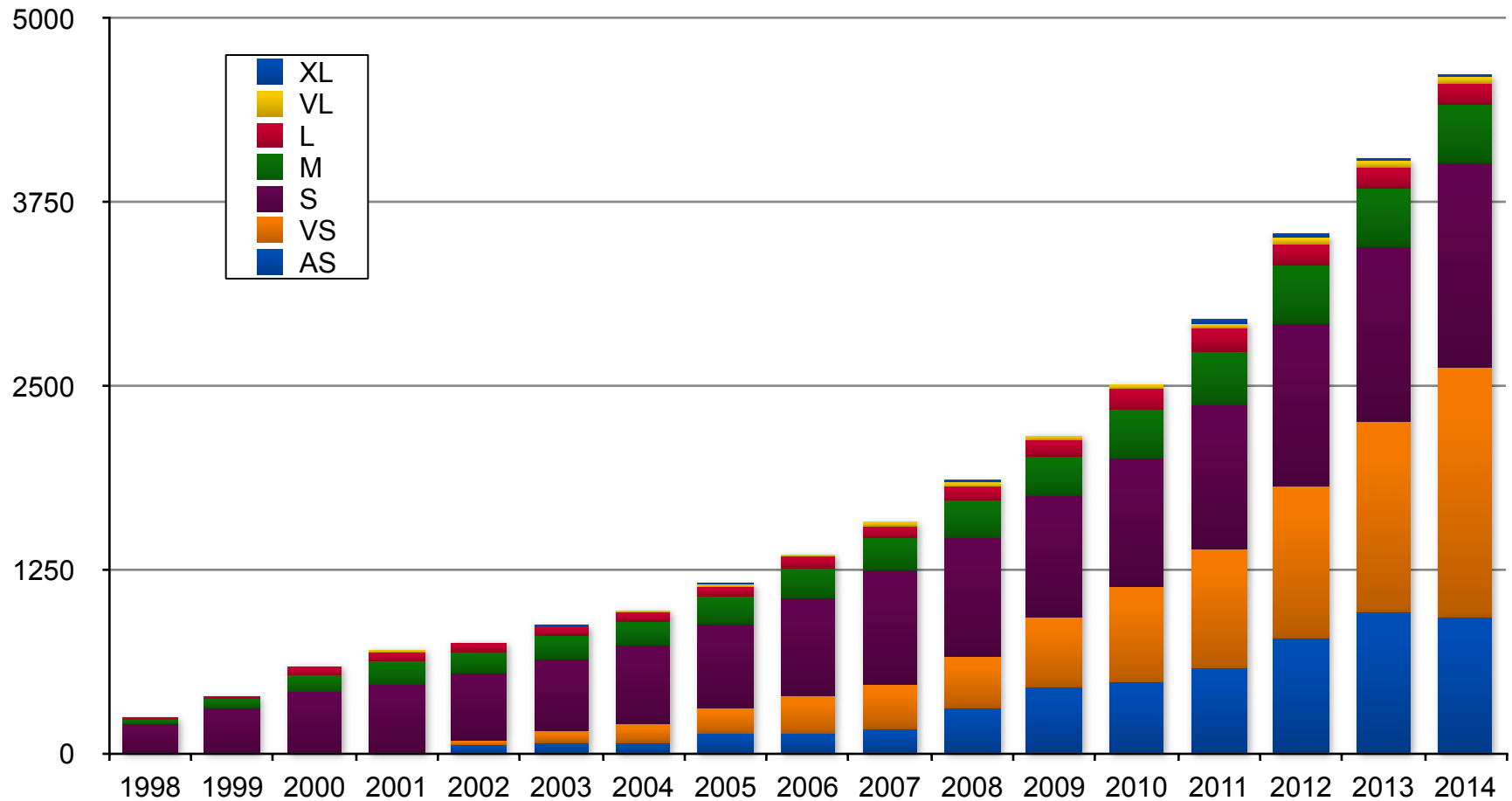
4-byte return rate



Global ASN use

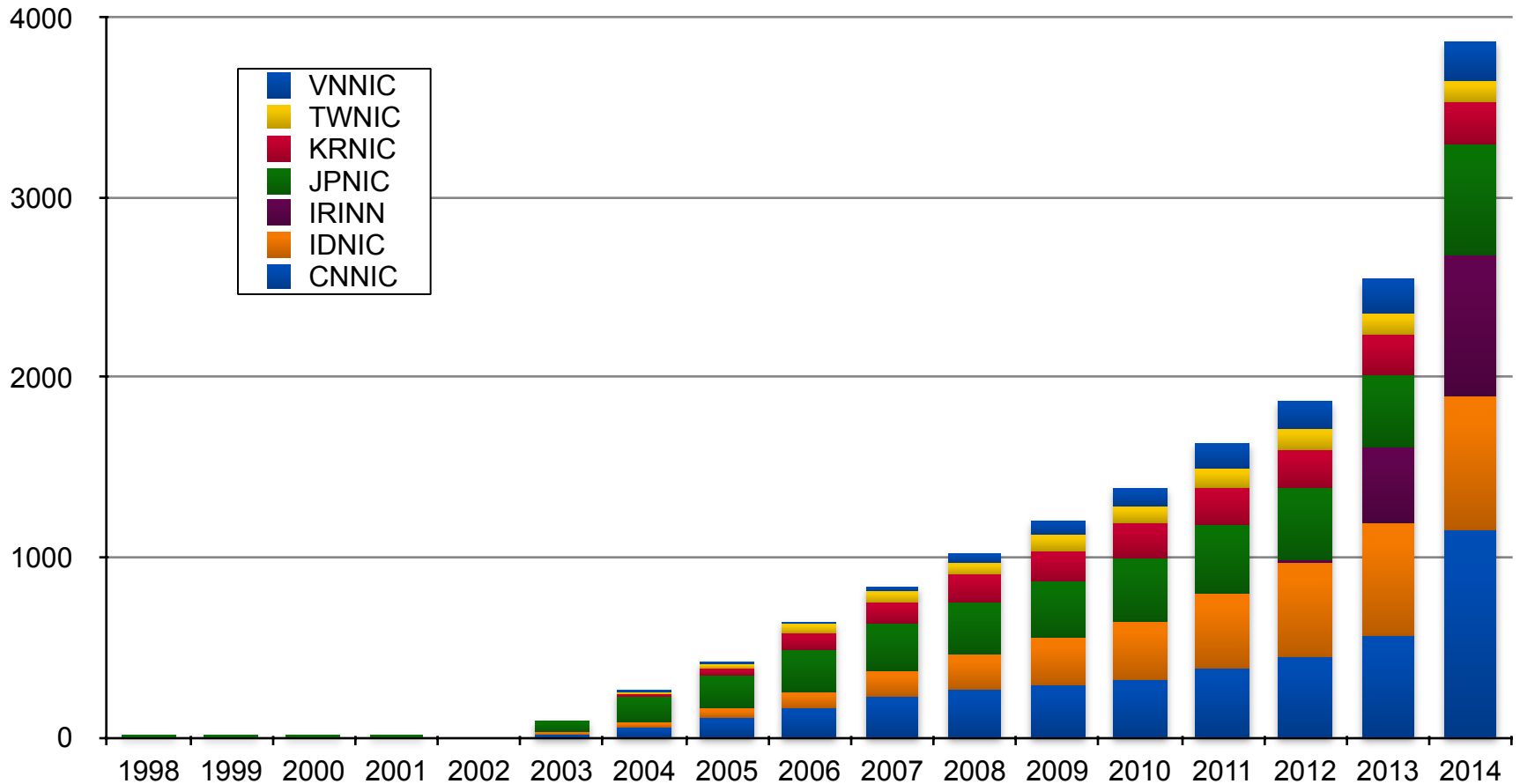
As at 30 April

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

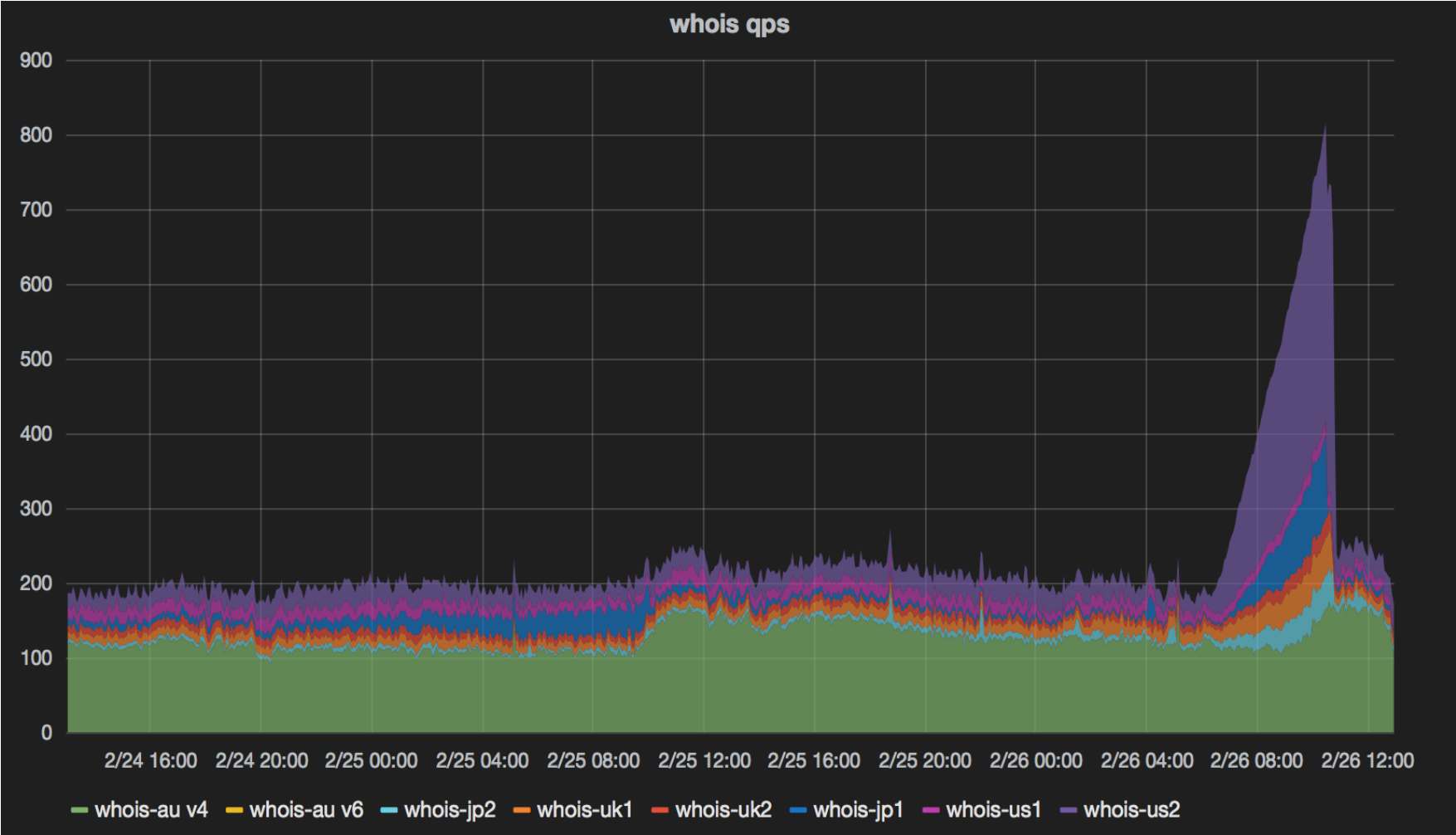
4 servers now operating:
Brisbane, Tokyo, London, Fremont

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

Multiple sites to sink attack traffic without
bringing the service down



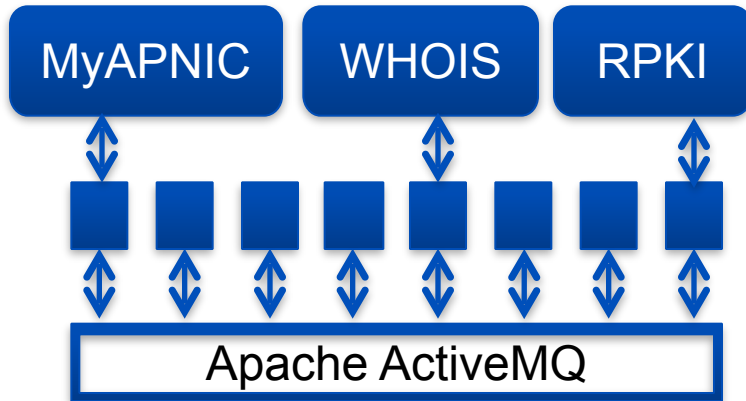
Distributed Whois



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

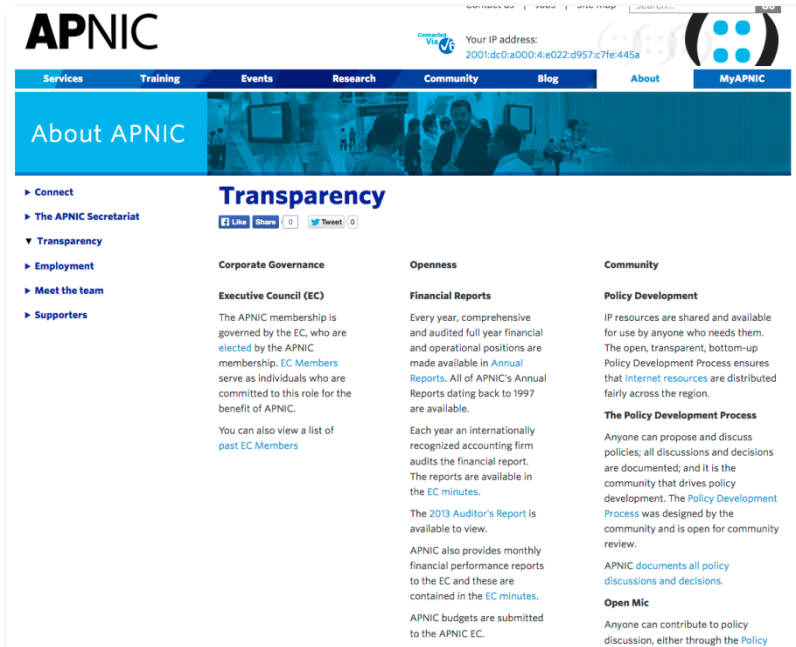


VMware virtualization
for increased reliability
(175+ machines)

Deployment of Puppet
Configuration Management
for centralized synchronization
and updates

DRP audit and exercising

Accountability & Transparency



Transparency web page updated

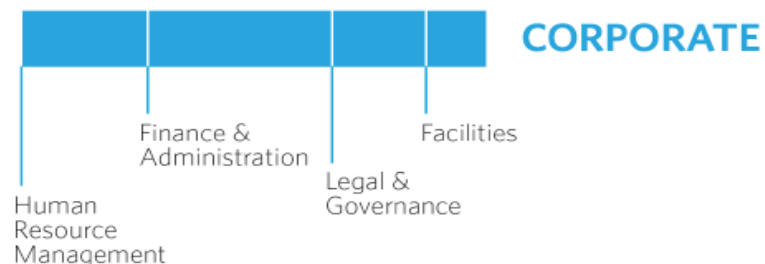
RIR accountability matrix

Improved internal financial audit process established

Appointment of new external financial auditors

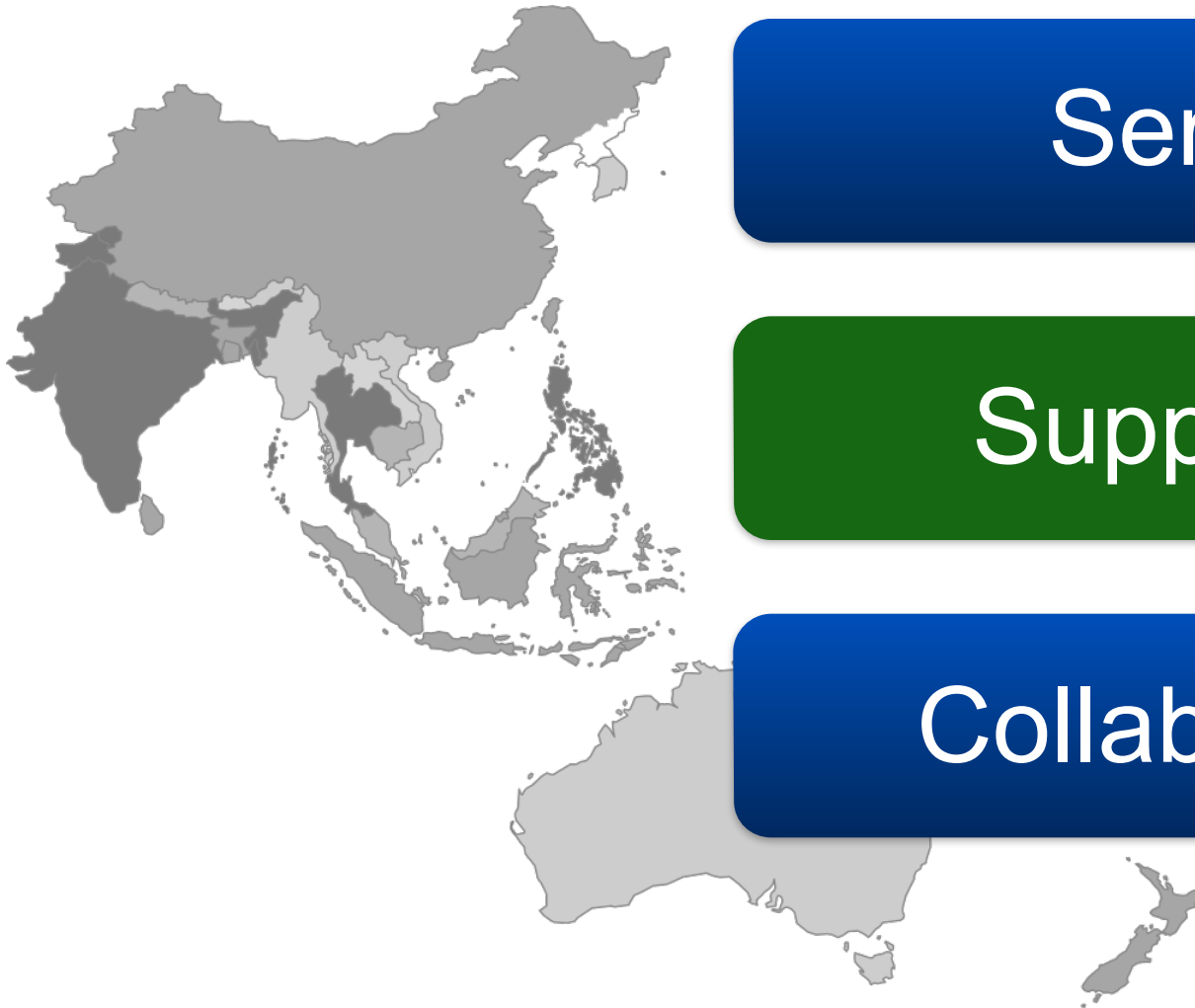
ISO9001 external audit – passed!

2015 Activity Plan & Budget



Clearer account of planned activities and resource allocation

APNIC in 2014



Serving

Supporting

Collaborating

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

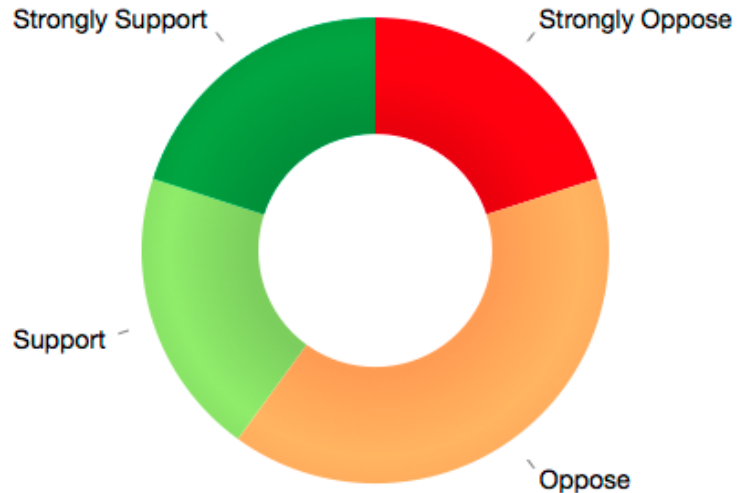
prop-105: Distribution of returned IPv4 address blocks (Modification of prop-088)

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 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

Training

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



NOGs



- 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



686 professionals trained in 16 economies

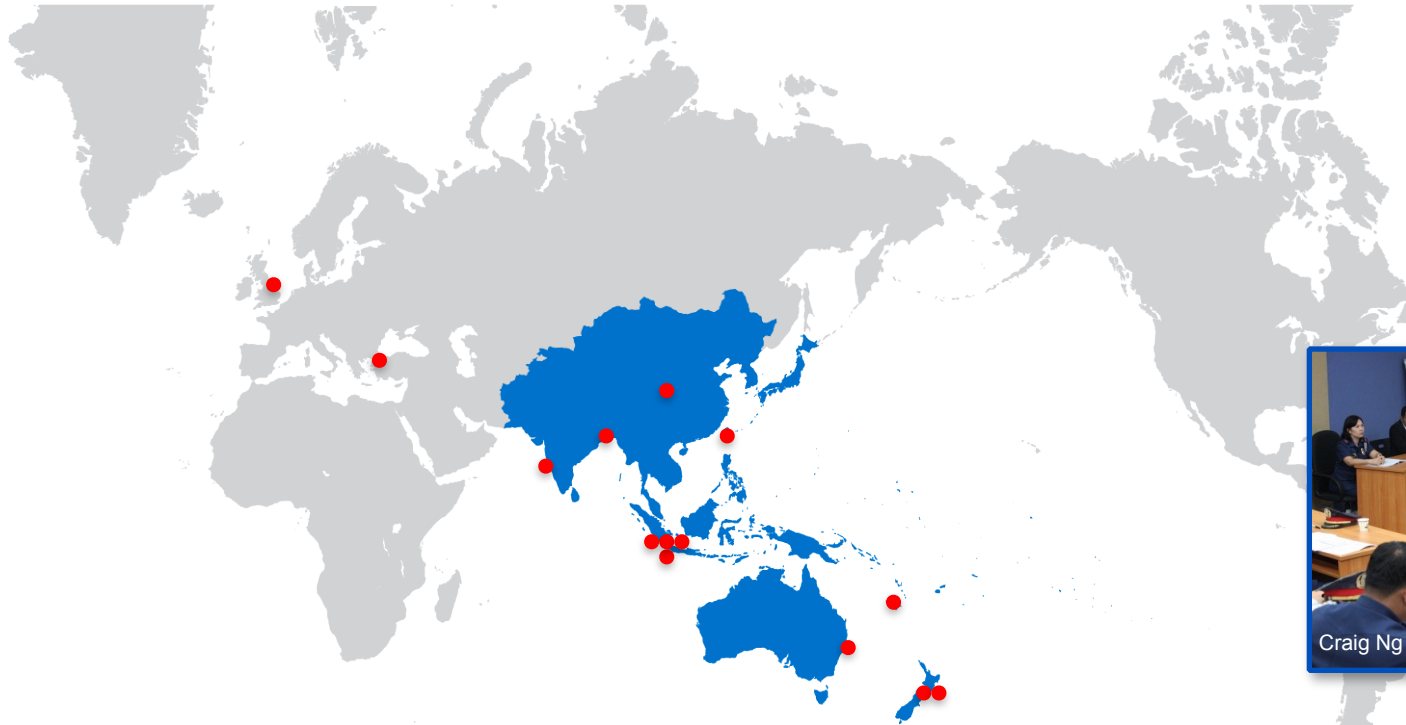
Presented at 24 industry events

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

**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

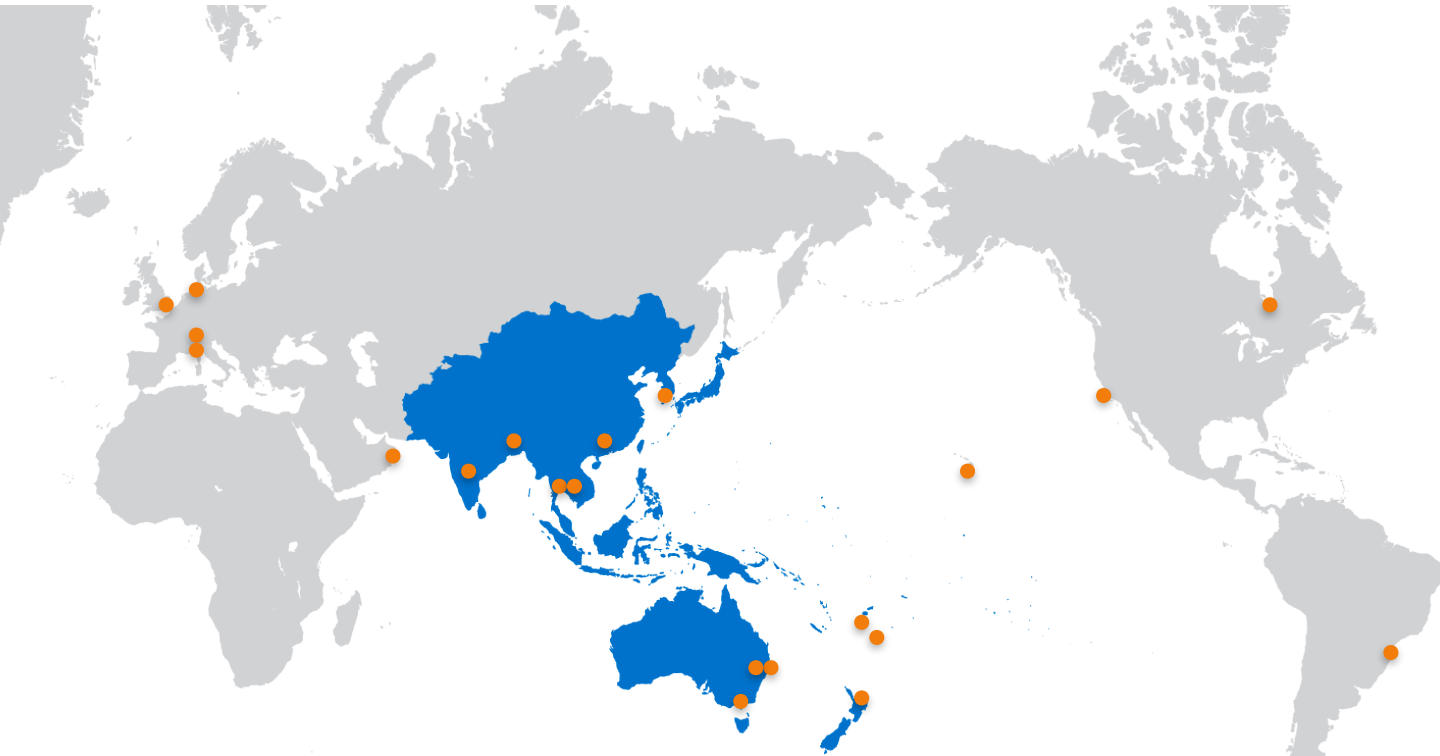


Serving

Supporting

Collaborating

Global Cooperation



IPv6 advocacy

Coordination with RIRs and Internet organizations

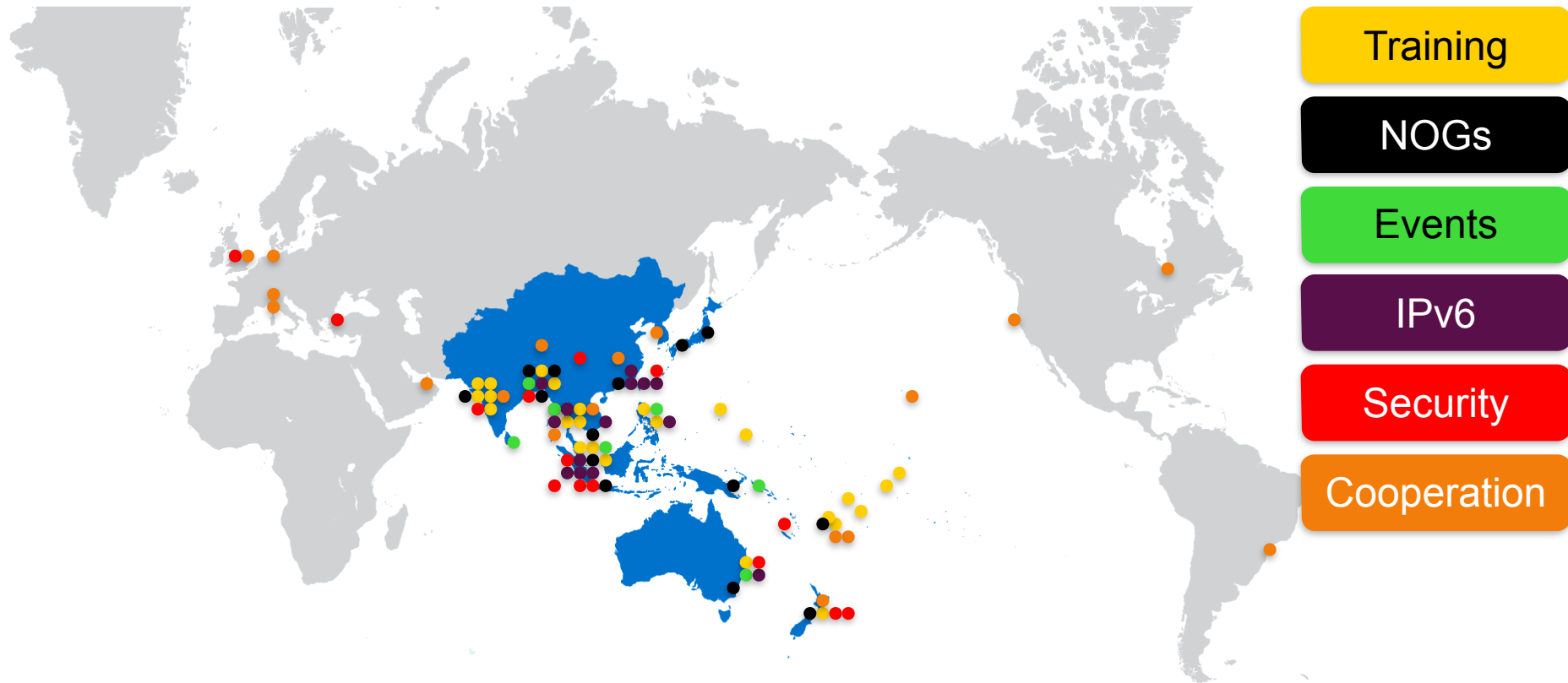
Engaging with government agencies in training and skills development

Supporting IANA Stewardship Transition

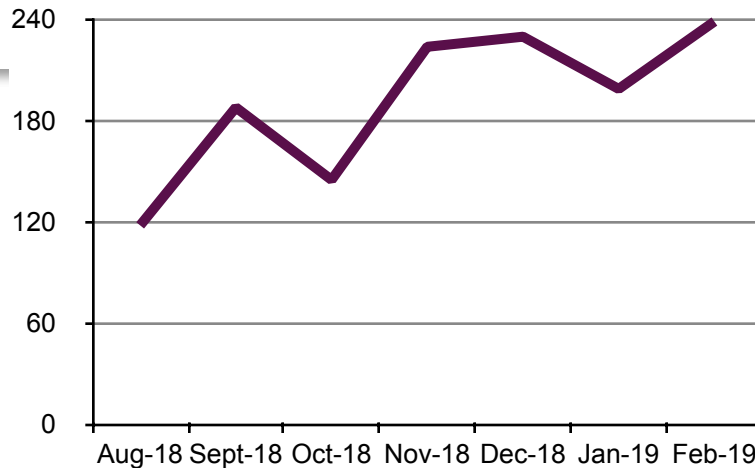
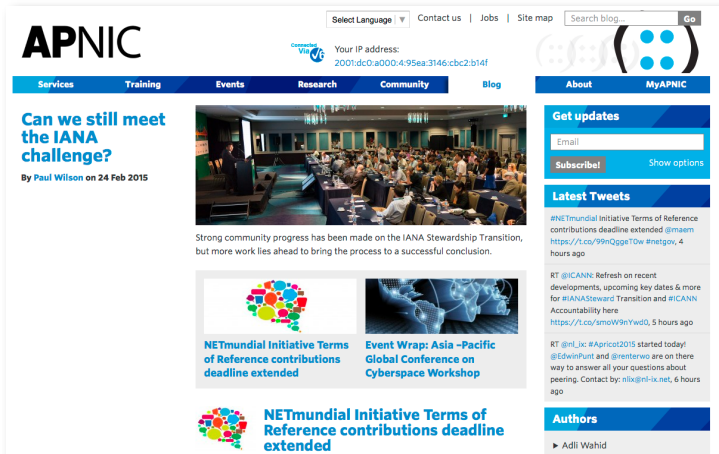
Promoting the RIR model



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

Thank you

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APNIC

