

APNIC Update

Tom Do

Friday, 20 November 2015

RIPE 71 (Bucharest, Romania)

APNIC

Issue Date:

Revision:



APNIC's Vision

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

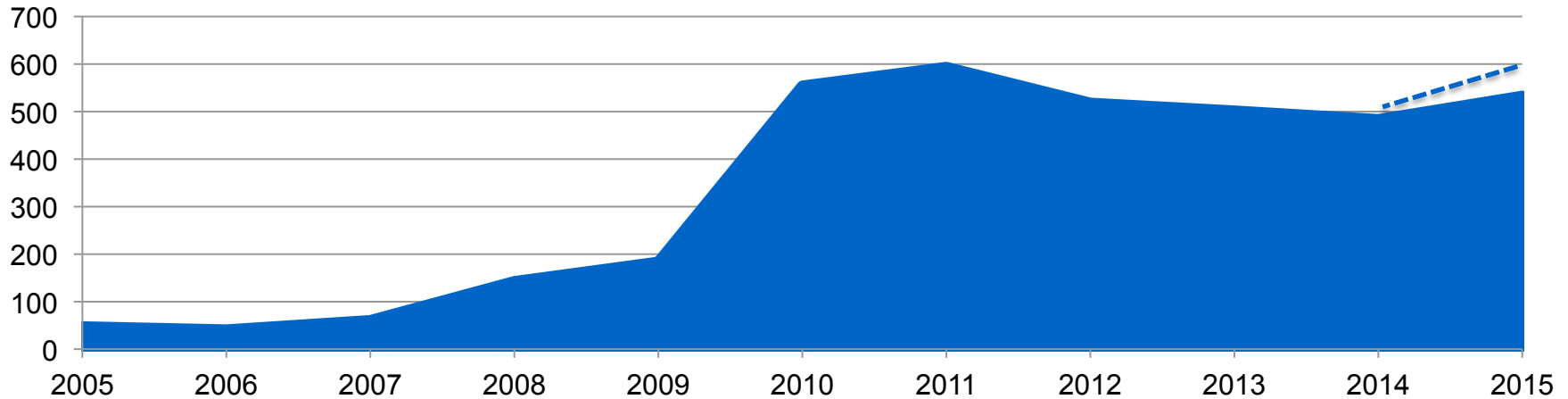
APNIC Activities

Serving

Supporting

Collaborating

Annual IPv6 Delegations

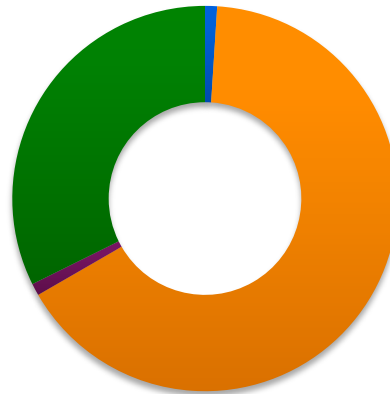


2015



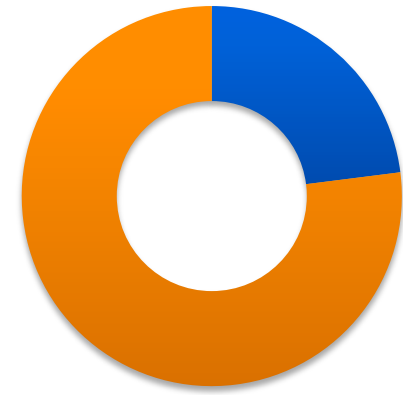
By delegation type

■ Allocation
■ Assignment



By size

■ >=/31
■ /32
■ /43-47
■ /48

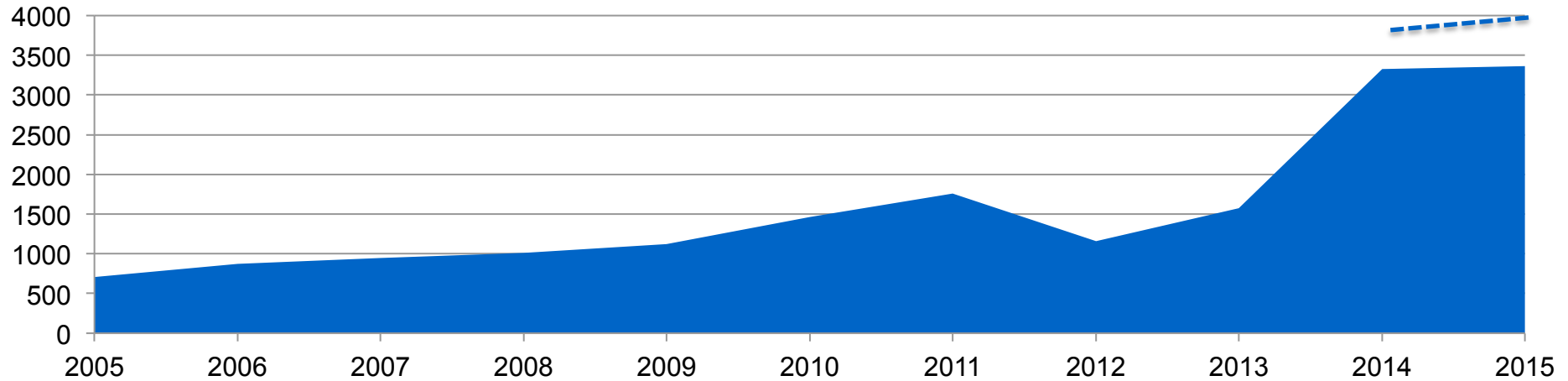


By request type

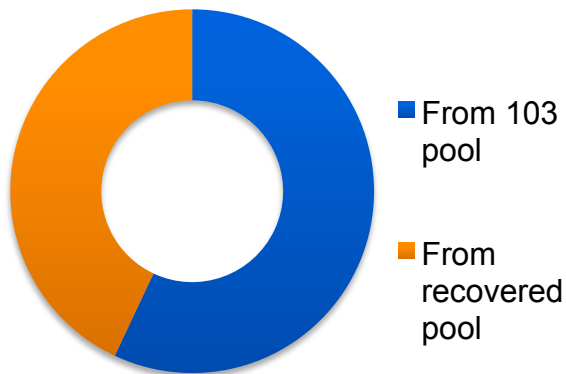
■ One-click
■ Normal

As at 31 Oct

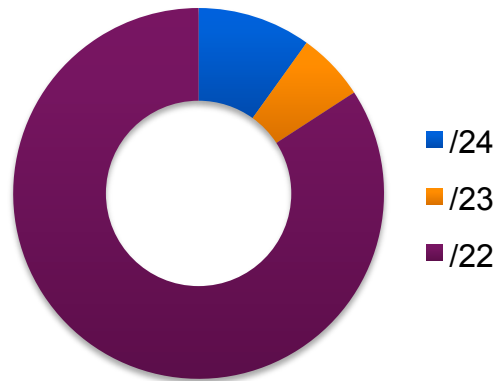
Annual IPv4 Delegations



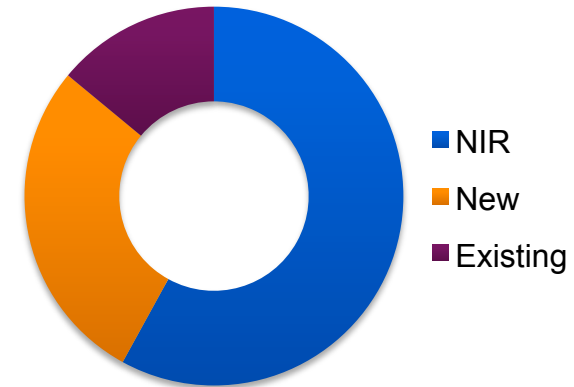
2015



By pool



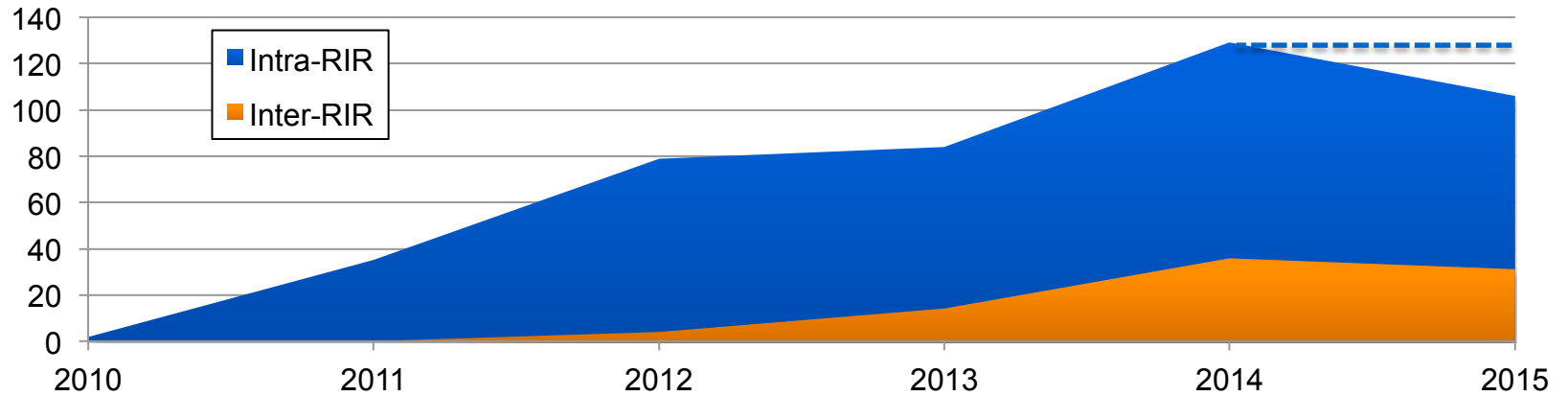
By size



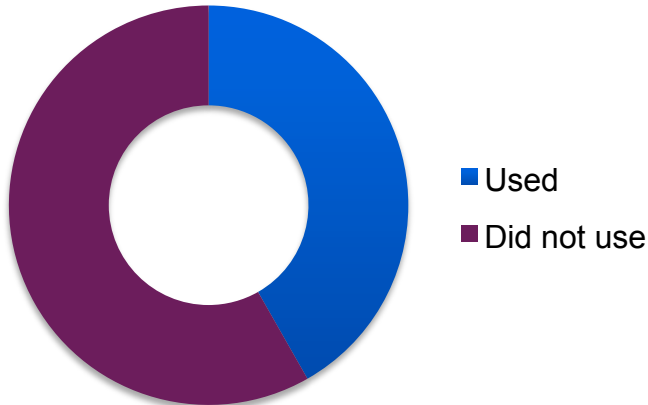
By Member

As at 31 Oct

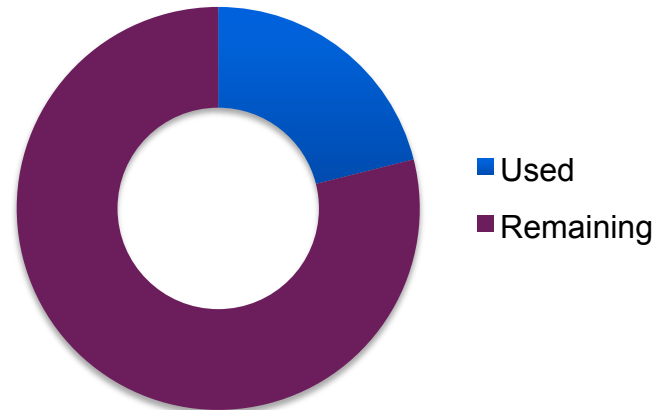
Annual IPv4 Transfers



2015



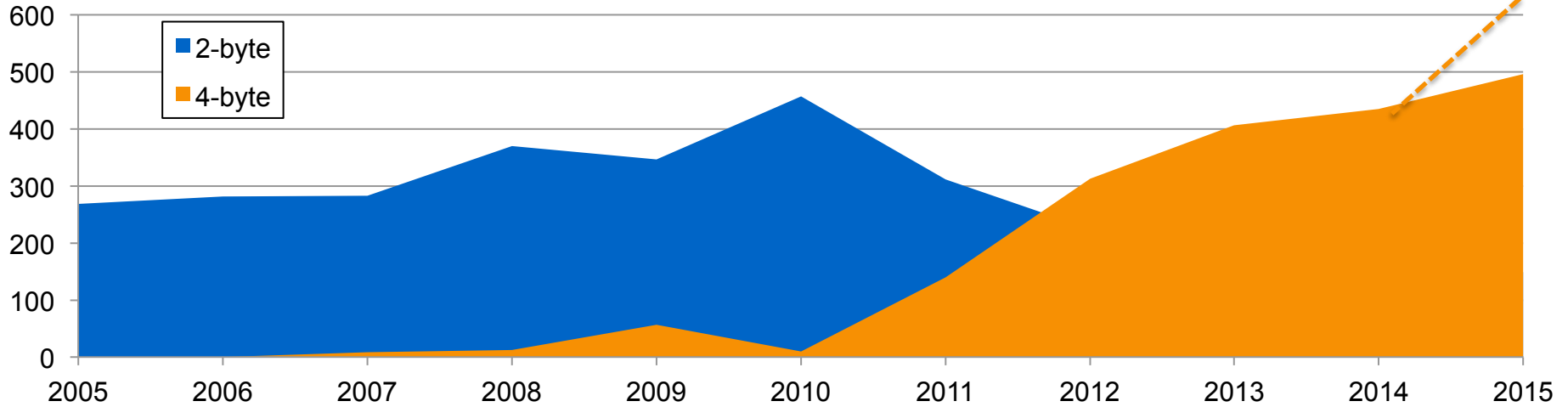
Using listing service



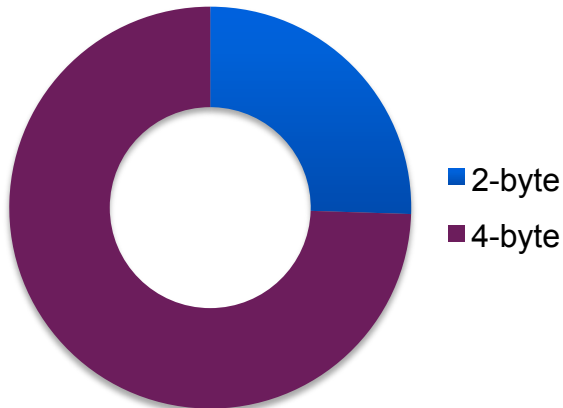
Pre-approval usage

As at 31 Oct

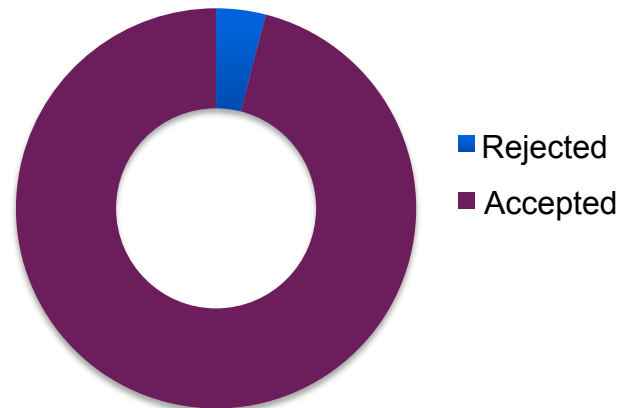
Annual ASN Assignments



2015



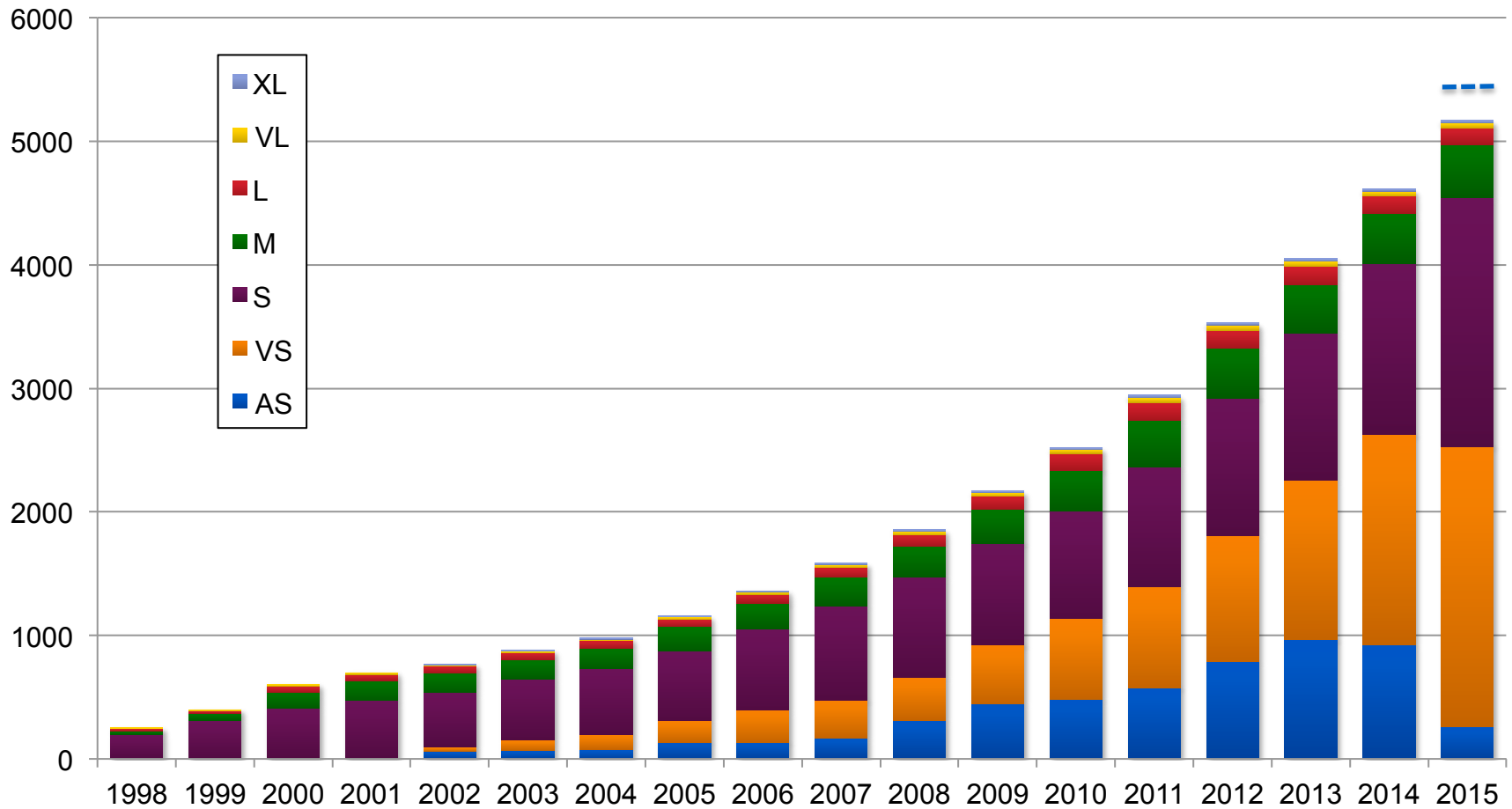
By type



4-byte return rate

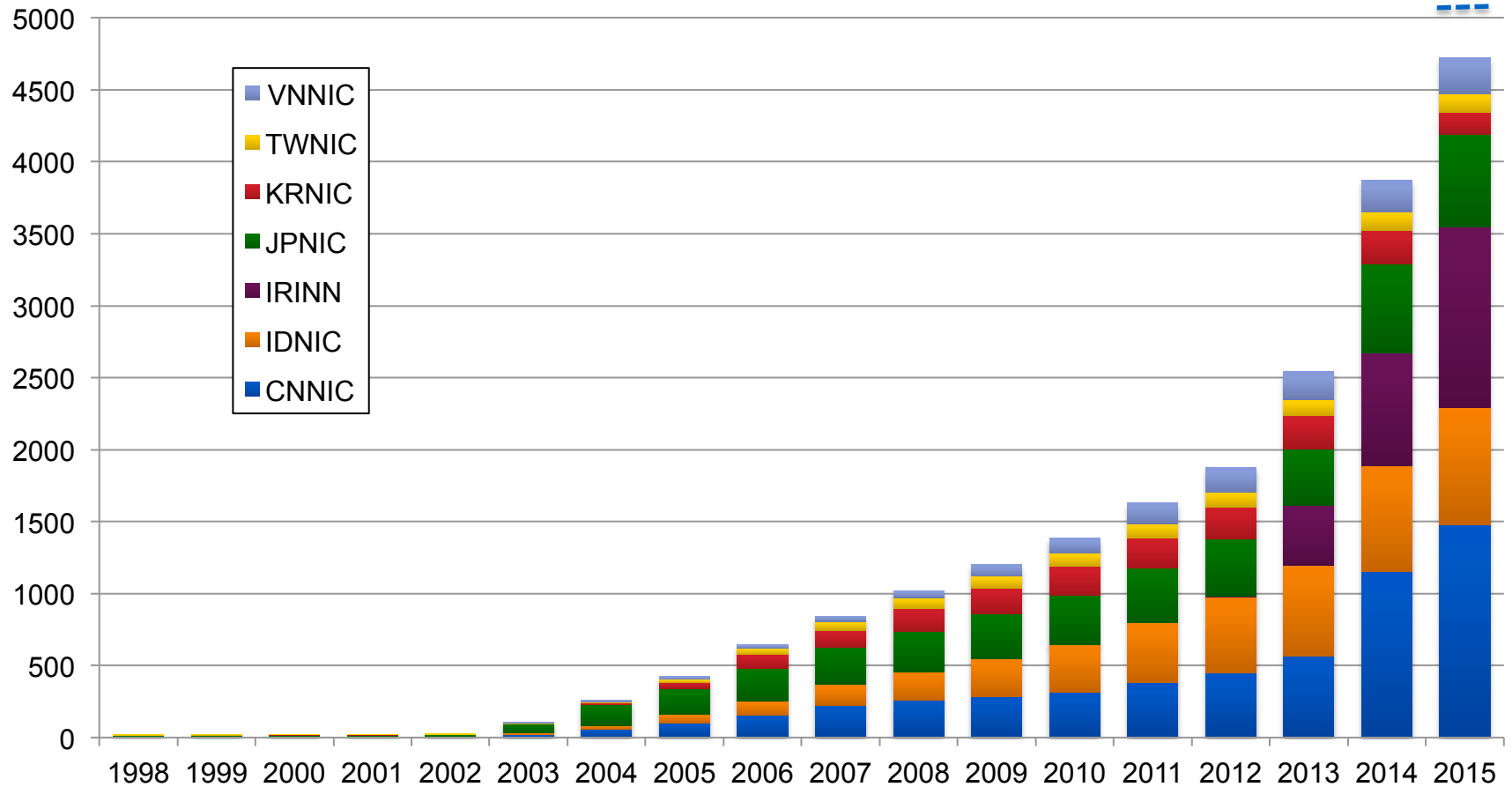
As at 31 Oct

APNIC Membership



As at 31 Oct

Total NIR Sub-Accounts



As at 31 Oct

MyAPNIC Improvements

Two-Factor Authentication

Please use your authenticator app to generate a six-digit security code.

If you are not able to generate a security code, enter your backup code instead.

Six-digit security code

Remember me in this browser?

Authenticate

- Two-factor authentication using TOTP
- Access all MyAPNIC services (corporate contact, voting, Resource Certification)

Log in to MyAPNIC using your email address

MyAPNIC Login

Username/Email Address

Password

Login

[Forgot your login information?](#)

[Don't have access to MyAPNIC?](#)

Maintainer list

MyAPNIC checks this maintainer list when making updates to Whois objects. You can only add or delete a maintainer that is not associated with your Internet resources. For more information, please read this [Maintainer Guide](#).

Registered maintainers	Auth. method	Password	Delete
MAINT-MYAPNIC-AP	MDS-PW	Valid password	Delete
MAINT-AP-TESTMAINTAINER	MDS-PW	Valid password	Delete
MAINT-AP-TESTMAINTAINER1	MDS-PW	Valid password	Delete

You cannot delete this maintainer as it is associated with your Internet resources. For more information, please read this [Maintainer Guide](#).

Maintainer Password Add

Maintainers managed as independent objects

MyAPNIC Survey

First targeted survey of
MyAPNIC user experience

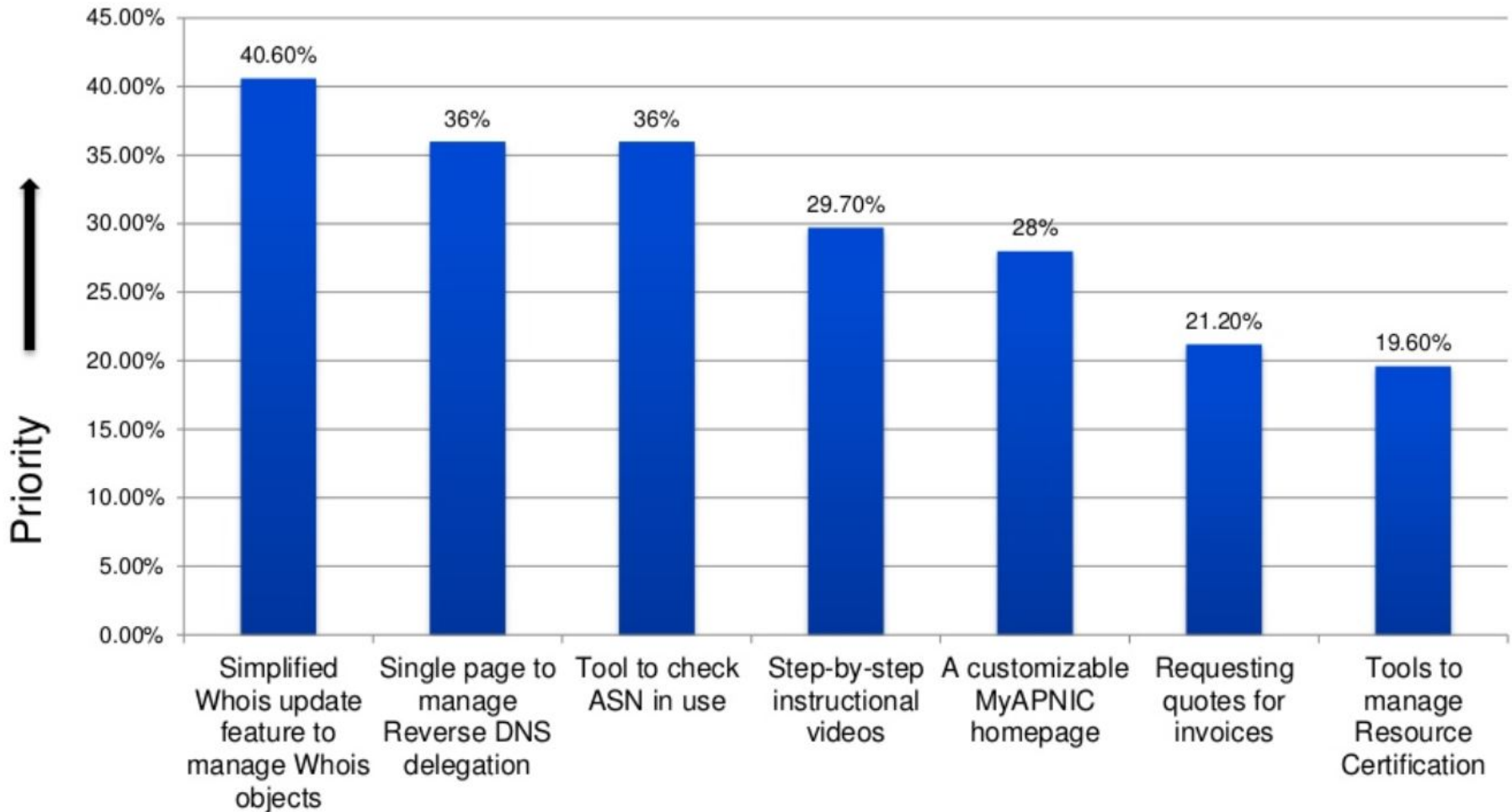
Participation
by 30
economies

708
responses

77%
completion
rate

30 lucky
draw prizes

What's important?



Supporting the Region

Serving

Supporting

Collaborating

APNIC Training in 2015

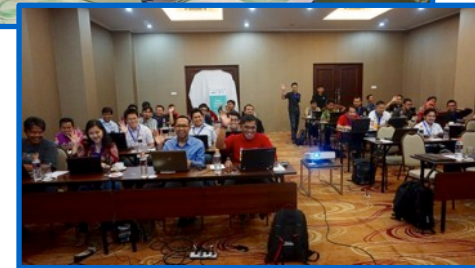
50 face-to-face courses held in 20 locations

1,356 professionals trained face-to-face

483 professionals trained via 98 eLearning sessions

Video archives
79 videos
89,276 views

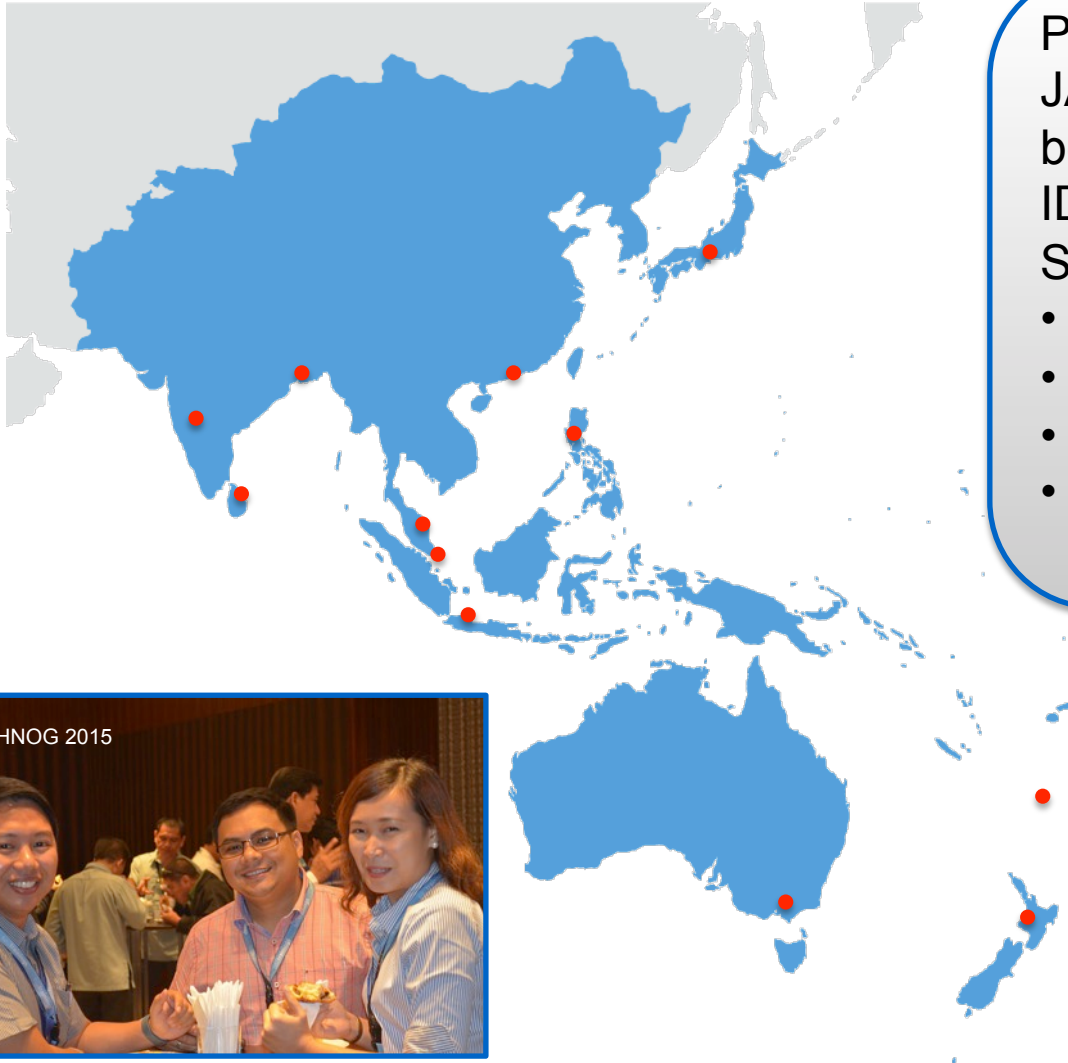
Introduction of new courses in 2015



Received training contribution from nine organizations including:

- World Bank
- Japan International Cooperation Agency (JICA)
- ITU

NOGs in 2015



Participated in 14 NOG events
JANOG, HKNOG, PHNOG,
bdNOG, MyNOG, SGNOC,
IDNOG, AusNOG, NZNOG,
SANOG, PACNOG

- Technical and APNIC updates
- Hostmaster consultations
- Training sessions
- Sponsorship and logistical support

PHNOG 2015



Community Development



Supported 8 RIPE Anchor deployments; distributed 100+ RIPE Atlas probes

15 fellowships for APRICOT 2015; 24 for APNIC 40 including 5 youth fellowships

Established MoUs to support local and regional development – 46 so far

L-root (ICANN) server in Apia, Samoa

K-root (RIPE) server in Quezon City, Philippines

Working with NSRC in New Caledonia and Samoa on IXP support

Technical Assistance Service

Support for scalable and resilient networks and best practices in network operations

www.apnic.net/tas

- Distribution and registration of resources
- Supporting reverse DNS delegation
- Managing whois and IRR
- Resource Certification
- IPv6 deployment
- Internet infrastructure security



Outreach in Sri Lanka (8 Members), Bangladesh (13 Members), Thailand (10 Members)

IPv6 in 2015



261 trainees
in 7 economies

Presented at 7 IPv6
industry events

IPv6 workshop
with ITU in TH
and TAS in MN

Supporting
APIv6TF
Secretariat

www.apnic.net/ipv6

Security Outreach



Promoting security initiatives and best practices in the APNIC community

NOGs, CSIRTS and LEA events
PK, CN, HK, KR, JP, PH
SG, MY, ID, AU

Collaboration with JICA and KISA to deliver regional CERT training

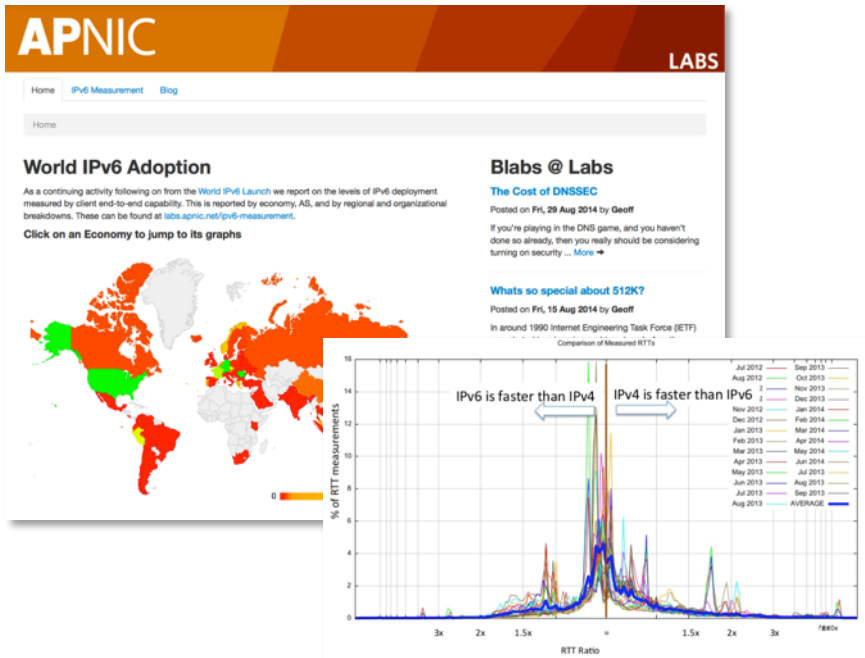
Geoff Huston member of ICANN SSAC

Adli Wahid member of FIRST Board

www.apnic.net/security

labs.apnic.net

Research statistics and evidence to help the APNIC community make more informed technical decisions



Over 3 million measurements per day

Measuring IPv6, DNSSEC, DNS

Single collection platform for all measurements

HTML5 now allows measurements on mobile devices (replacing Flash)

Measurement for ICANN's Universal Acceptance work (IDNs gTLDs)

50+ research presentations to:
IETF, RIRs, ICANN, DNS OARC, NOGs, OECD

APNIC Events



12 economies in 2015

PK, BD, LK, MM, KH,
TH, MY, SG, PH, ID,
SB, JP

Attendance

Conferences: 835 +
450

ARMs: 162

Member outreach: 133

Collaborating Globally

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



RIR Collaboration



RIR Stability Fund established

RIR Transparency matrix
available on NRO website

APNIC Labs research
collaboration with RIPE NCC and
LACNIC

Active NRO Coordination Group
participation – engineering,
registry, communications, finance,
HR

RIR staff visits to APNIC –
LACNIC, AFRINIC, RIPE NCC

IANA process mapping project

You're Invited!



APRICOT 2016
APNIC 41



**AUCKLAND
NEW ZEALAND**
15 - 26 February 2016

APRICOT 2016, Auckland, New Zealand
15-26 February 2016

2016.apricot.net

Thank you

tomd@apnic.net

APNIC

