APNIC Update

Anton Strydom

Friday, 4 December 2015

AFRINIC 23 (Pointe Noire, Congo)

APNIC

APNIC's Vision

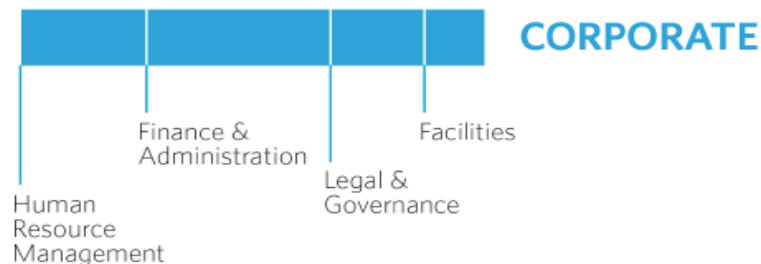*A global, open, stable, and secure Internet that serves the entire Asia Pacific community*

APNIC Activities

Serving

Supporting

Collaborating

2015 Activity Plan & Budget

SERVING MEMBERS

Registration Services | Customer Service | Technical Infrastructure | Member Training

REGIONAL DEVELOPMENT

APNIC Conferences | Regional Technical Development | Community Engagement

GLOBAL COLLABORATION

Global Technical Community | Inter-Governmental Outreach

Global Research

CORPORATE

Human Resource Management | Finance & Administration | Legal & Governance | Facilities

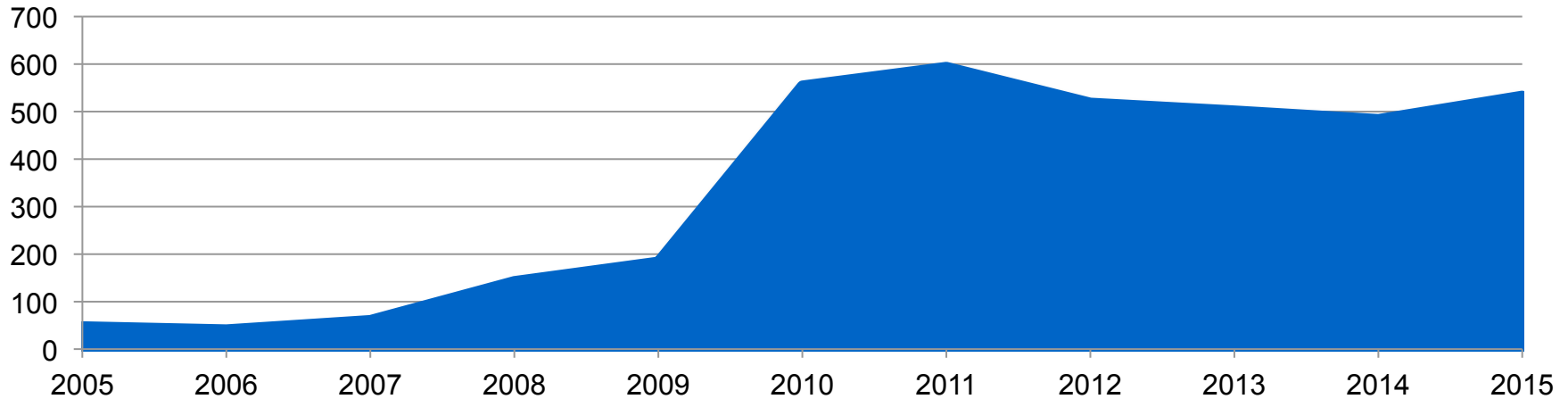## Project Progress Legend

✓ Complete

🔧 In progress

Serving the Region

Serving

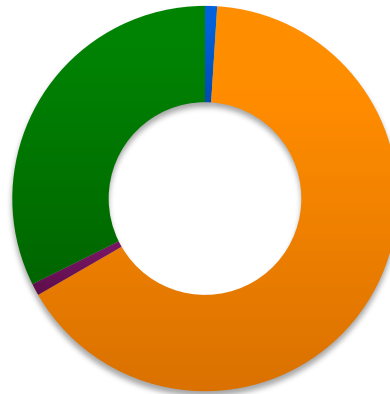Supporting
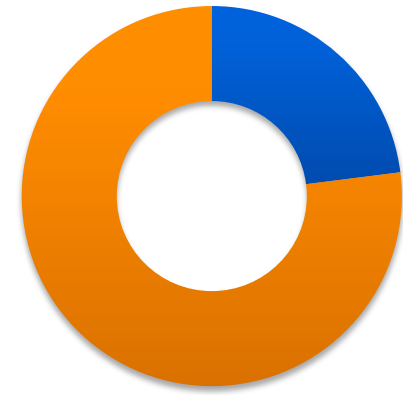
Collaborating

Annual IPv6 Delegations

2015

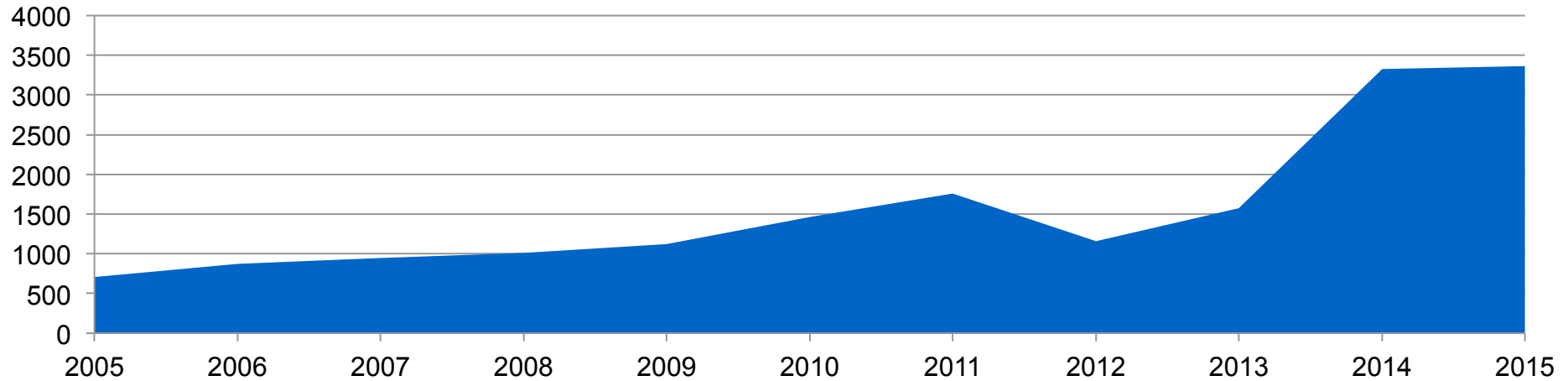By delegation type — Allocation, Assignment

By size — >=/31, /32, /43-/47, /48
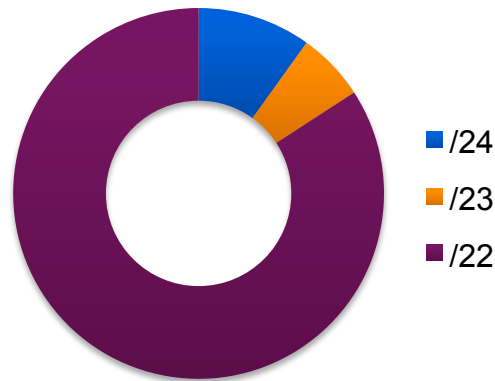
By request type — One-click, Normal

As at 31 Oct
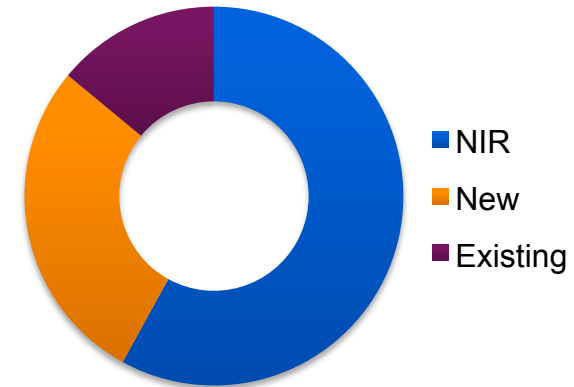
APNIC

6

Annual IPv4 Delegations

2015

By pool

- From 103 pool
- From recovered pool

By size

- /24
- /23
- /22

By Member

- NIR
- New
- Existing
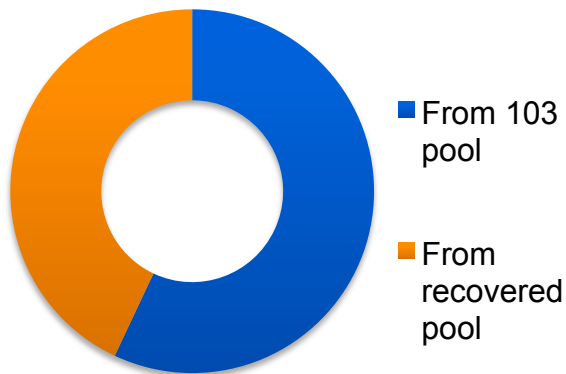
As at 31 Oct

Annual IPv4 Transfers

140
120
100
80
60
40
20
0

- Intra-RIR
- Inter-RIR

2010   2011   2012   2013   2014   2015

2015

- Used
- Did not use
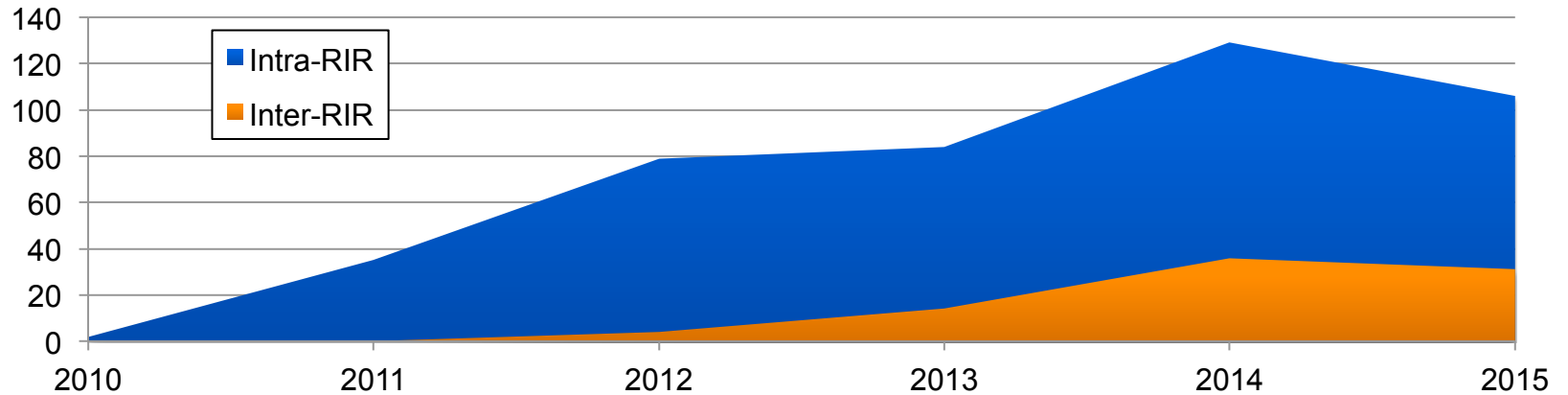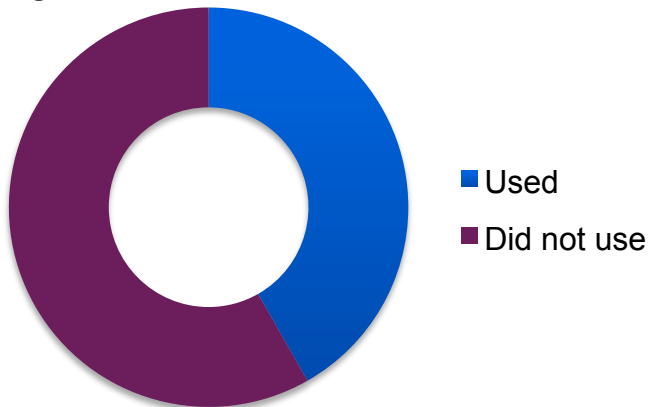
Using listing service

- Used
- Remaining
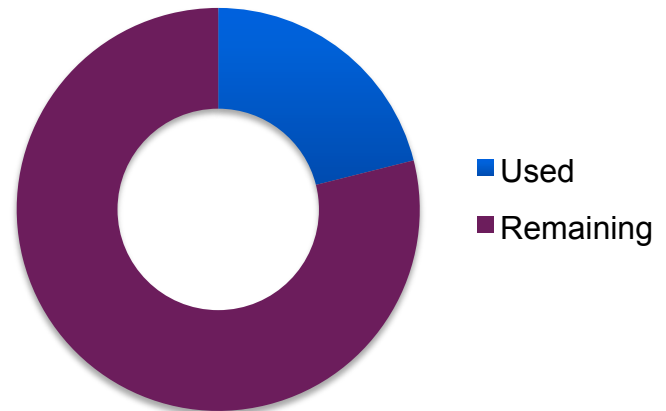
Pre-approval usage

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.

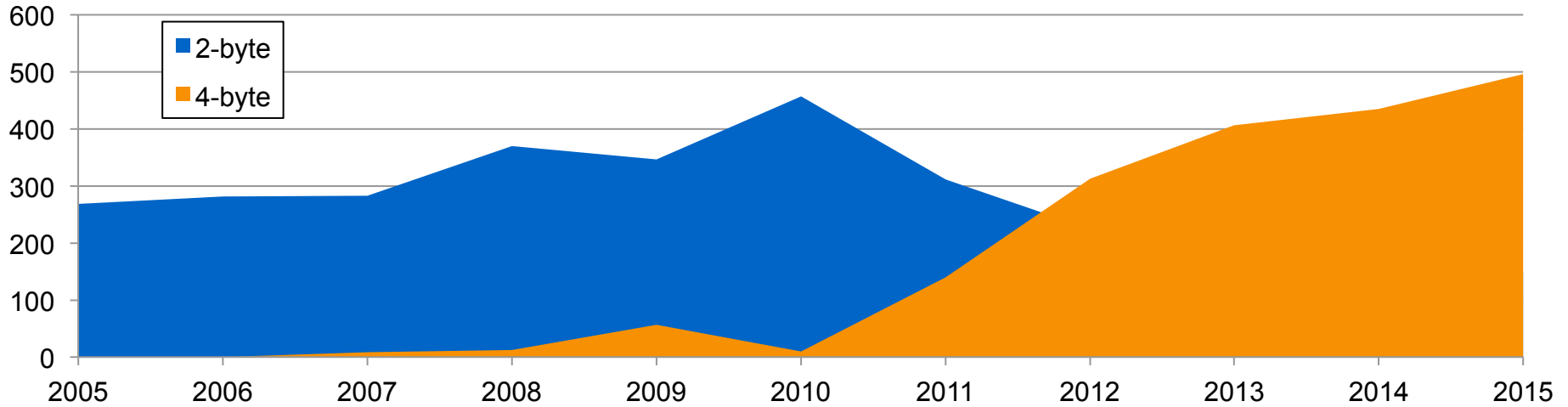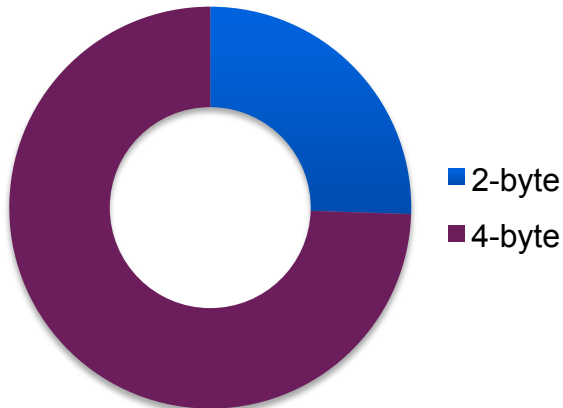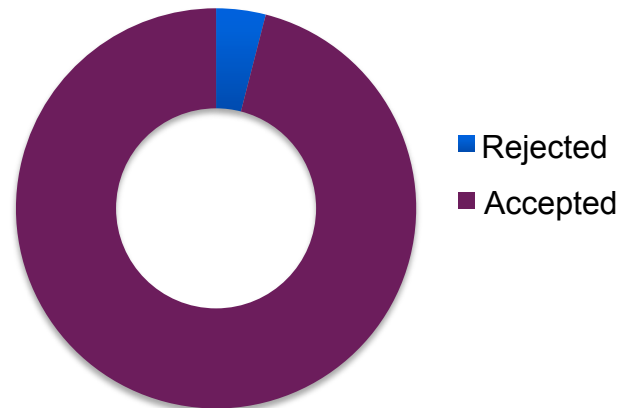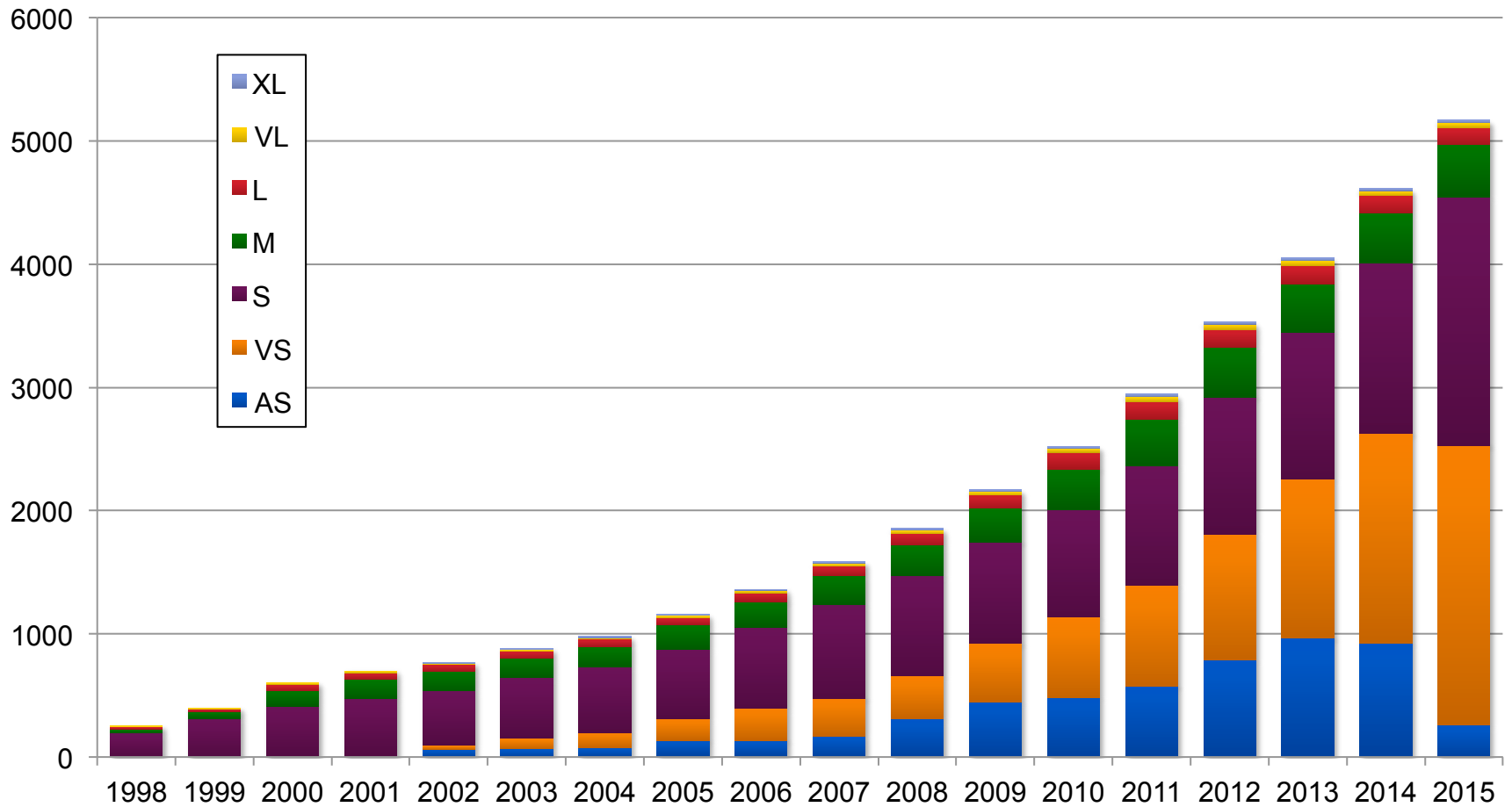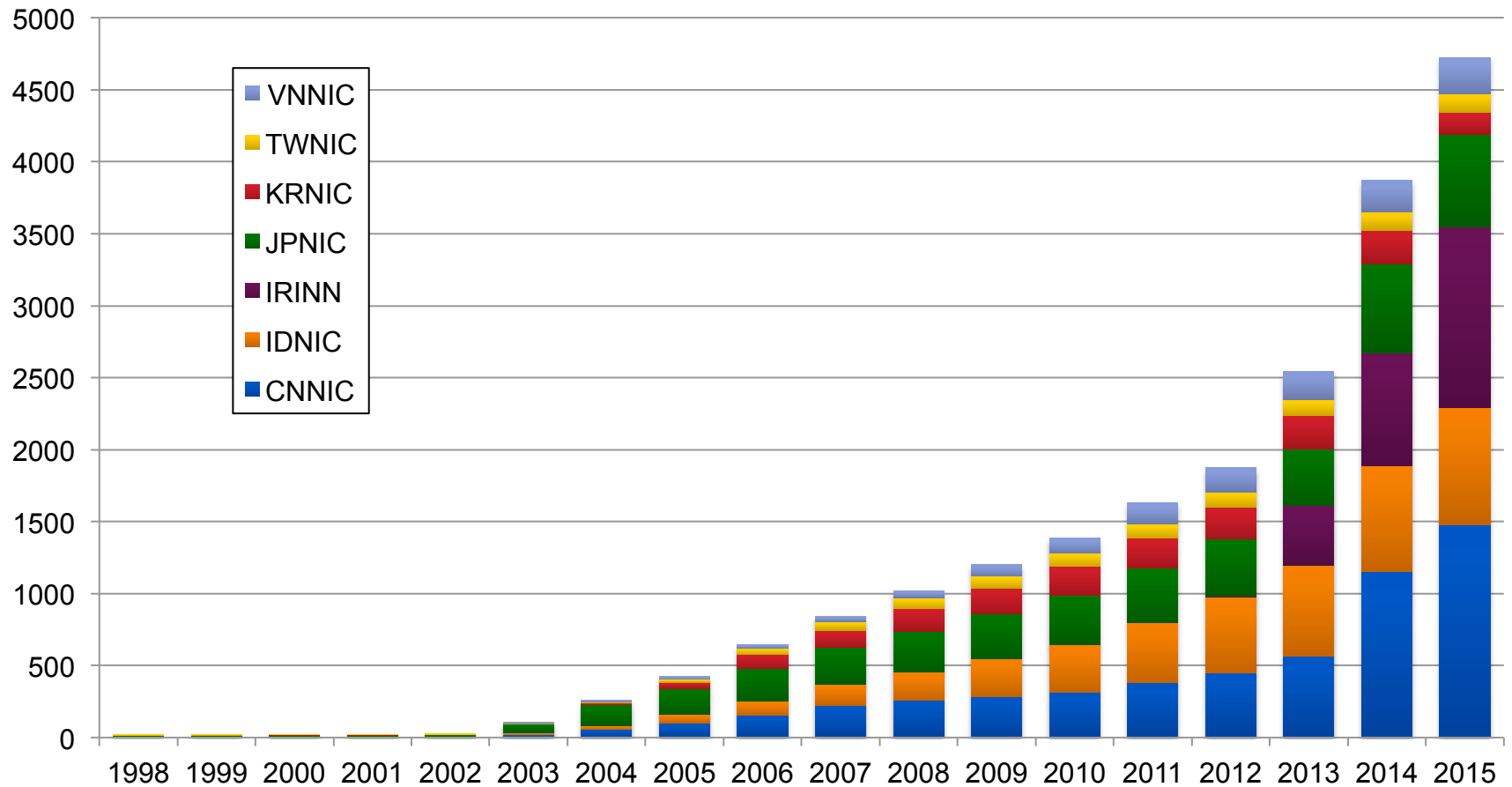If you are not able to generate a security code, enter your backup code instead.

Six-digit security code

Remember me in this browser?

☐

Authenticate

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

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.

You cannot delete this maintainer as it is associated with your internet resources. For more information, please read this Maintainer Guide.

Registered maintainers	Auth. method	Password	Delete
MAINT-MYAPNIC-AP	MD5-PW	Valid password	Delete
MAINT-AP-TESTMAINTAINER	MD5-PW	Valid password	Delete
MAINT-AP-TESTMAINTAINER1	MD5-PW	Valid password	Delete

Maintainer	Password	Add
		Add

MyAPNIC Login

Username/Email Address

Password

Login

Log in to MyAPNIC using your email address

Forgot your login information?

Don't have access to MyAPNIC?

Maintainers managed as independent objects

APNIC

MyAPNIC Survey

First targeted survey of MyAPNIC user experience

Participation by 30 economies

708 responses

77% completion rate

30 lucky draw prizes

APNIC

What MyAPNIC Users Want

Improve speed

Modernize design and navigation

Single page to manage Reverse DNS

Tool to check ASN in use

Simplify whois updates to manage objects

RDAP

- Standardized JSON query format

- Standardized JSON response format

- RESTful web services over HTTP

- Support for redirection, for automatic inter-registry queries

- Authorization for access to record attributes

- Internationalization using UTF-8

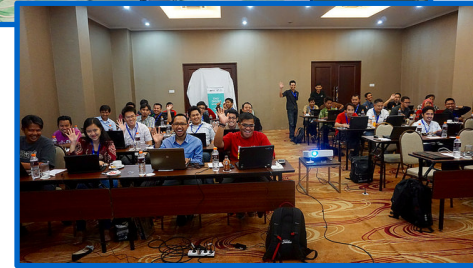# Supporting the Region

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

Received training contribution from nine organizations including:

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

NOGs in 2015
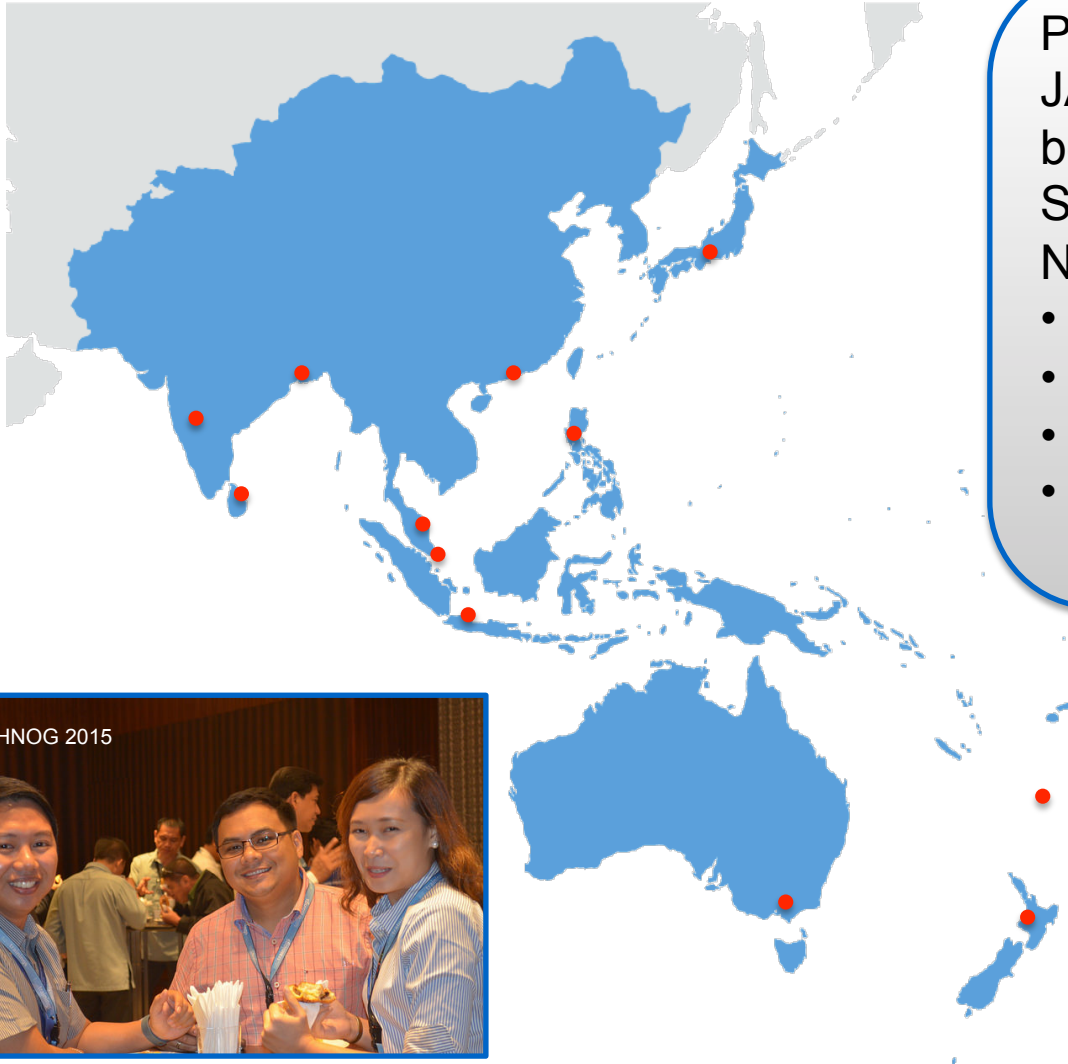
Participated in 14 NOG events
JANOG, HKNOG, PHNOG,
bdNOG, LKNOG, MyNOG,
SGNOC, IDNOG, AusNOG,
NZNOG, SANOG, PACNOG
- Technical and APNIC updates
- Hostmaster consultations
- Training sessions
- Sponsorship and logistical
  support

PHNOG 2015

MyNOG 4

Community Development

RIPE Atlas anchor deployment in Maldives – Dhiraagu staff

Probe hosts in the Philippines

BdNOG 3

MoU signing for L-root

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

IPv6 in 2015

ITU/APNIC IPv6 workshop

ITU/APNIC IPv6 workshop

261 trainees
in 7 economies

Presented at 7 IPv6
industry events

IPv6 workshop
with ITU in TH
and TAS in MN

Supporting
APIPv6TF
Secretariat

www.apnic.net/ipv6

APNIC

Security Outreach

Adli Wahid

Craig Ng

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

APNIC

labs.apnic.net

Research statistics and evidence to help the APNIC community make more informed technical decisions
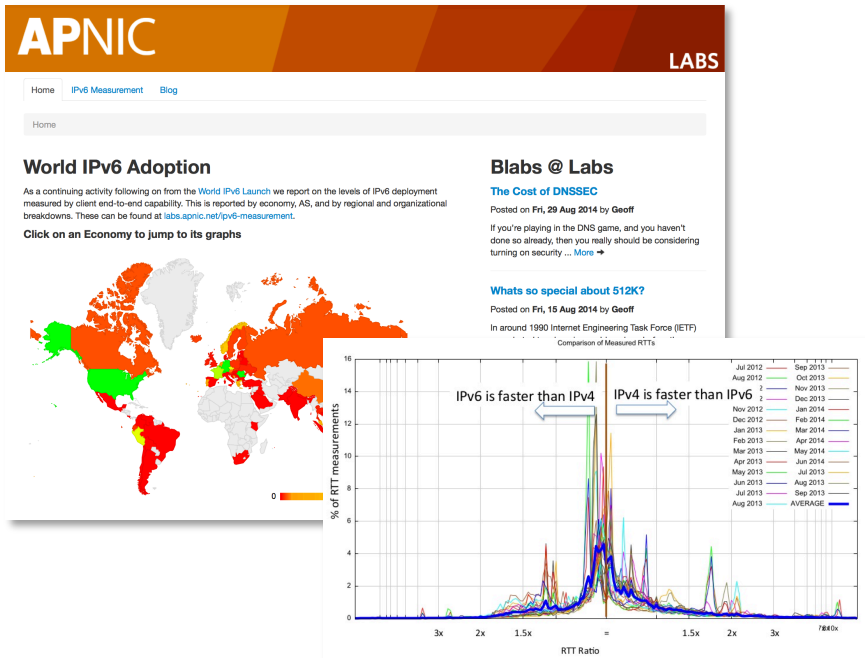
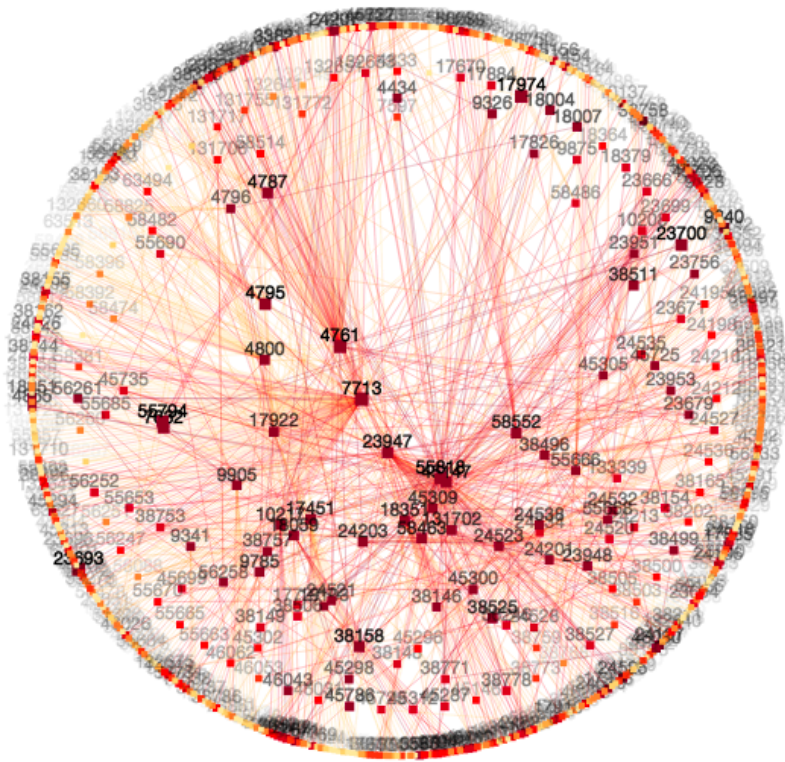Over 3 million measurements per day

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

ASN Visual Exploration: vizAS

labs.apnic.net/vizas

Graphical display of BGP paths within a single economy

Relationships between service and transit ASNs identified

Public tool – Have a go!

APNIC Events

APRICOT 2015

APRICOT 2015

APNIC 40

ARM, Philippines

12 economies in 2015

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

Attendance

Conferences: 835 + 529
ARMs: 207
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

RSM meeting, ARIN 35

George Michaelson

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, Auckland, New Zealand
15-26 February 2016

2016.apricot.net

Thank you

anton@apnic.net

APNIC