APNIC Update

LACNIC 25
La Habana, May 2016

Paul Wilson

APNIC's Vision

A global, open, stable and secure Internet that serves the entire Asia Pacific community
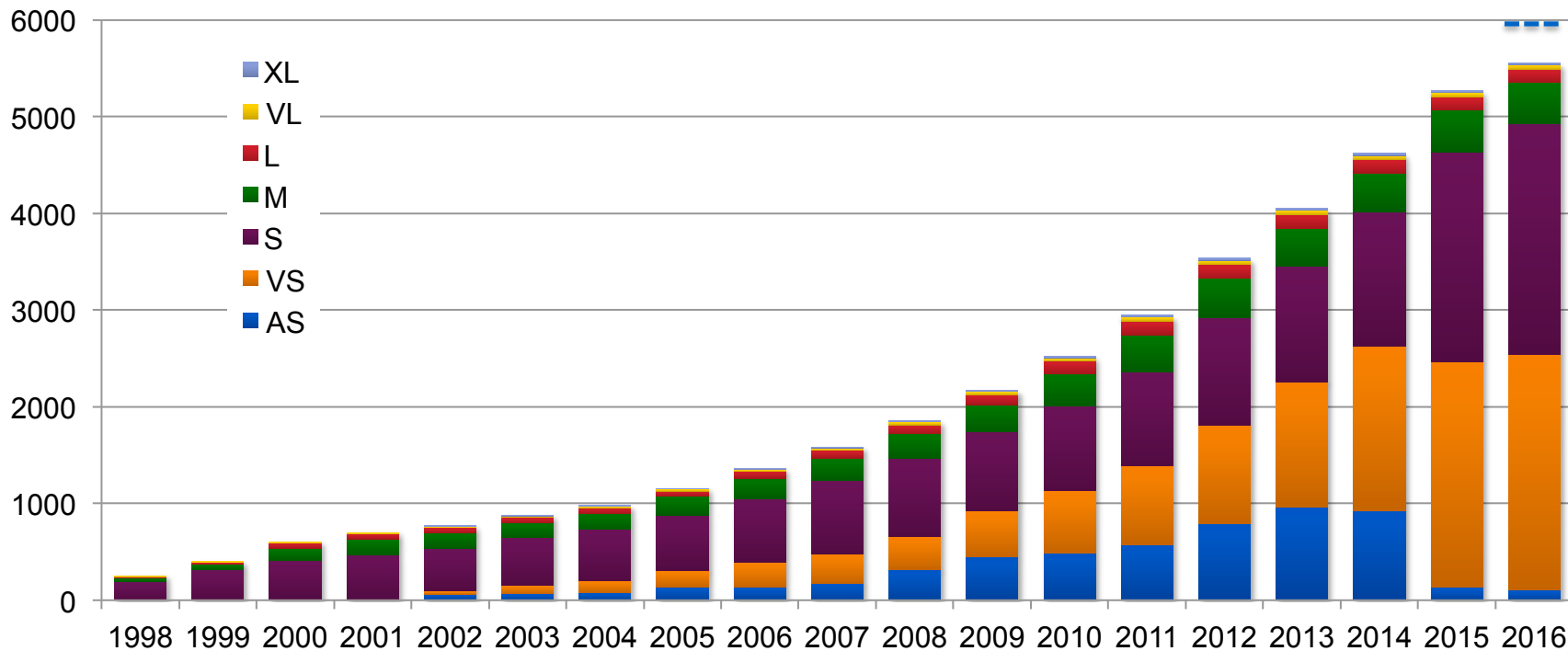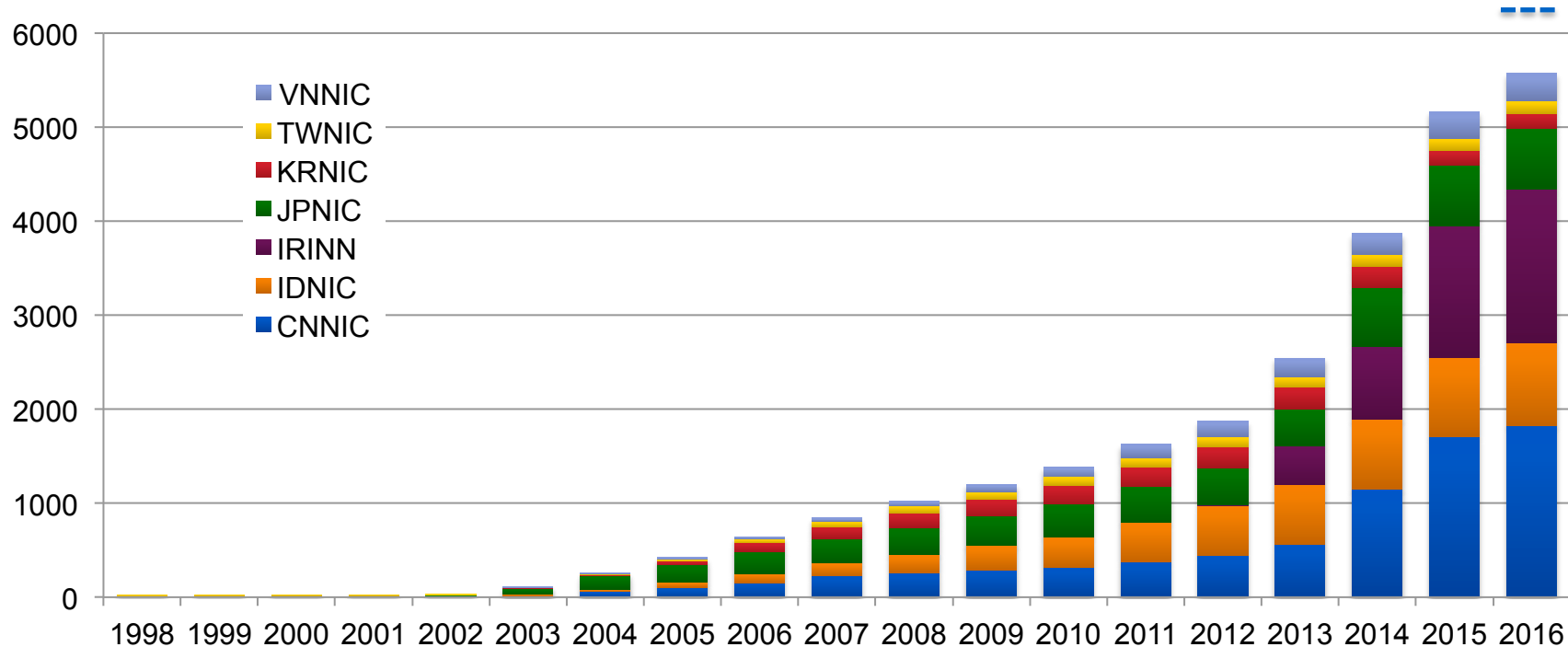
APNIC Activities
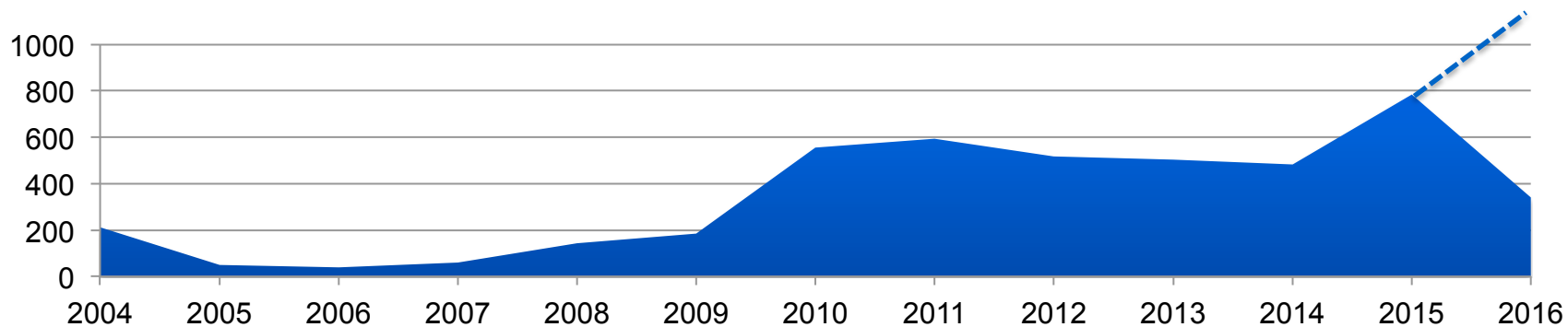
Serving

Supporting

Cooperating

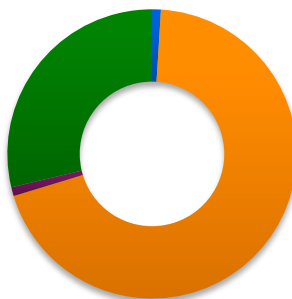# APNIC Membership

As at 30 Apr

Total NIR Sub-accounts

Legend: VNNIC, TWNIC, KRNIC, JPNIC, IRINN, IDNIC, CNNIC

Years: 1998, 1999, 2000, 2001, 2002, 2003, 2004, 2005, 2006, 2007, 2008, 2009, 2010, 2011, 2012, 2013, 2014, 2015, 2016

As at 30 Apr

Annual IPv6 Delegations

By delegation type
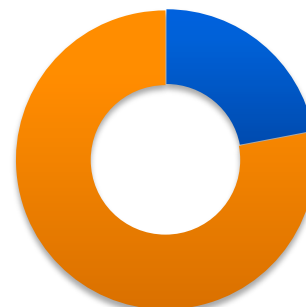
By size

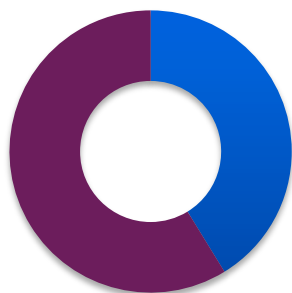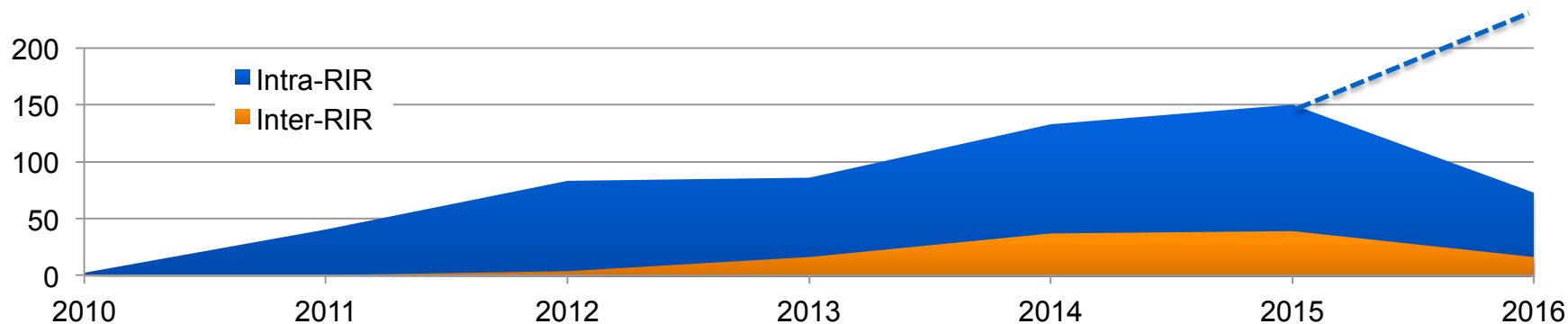By request type

As at 30 Apr

Annual IPv4 Delegations
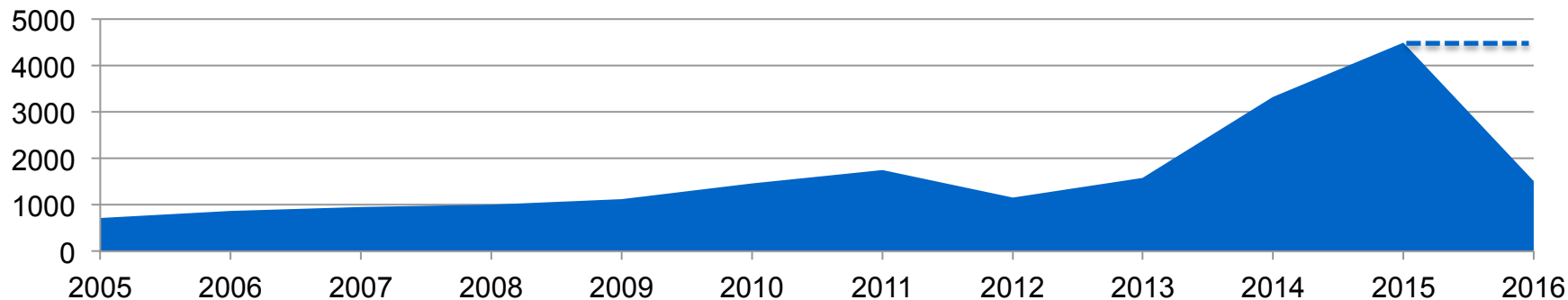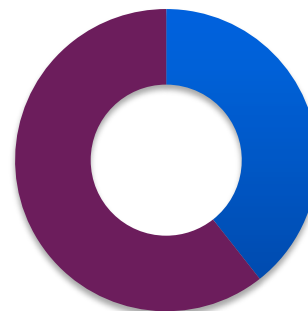

By pool
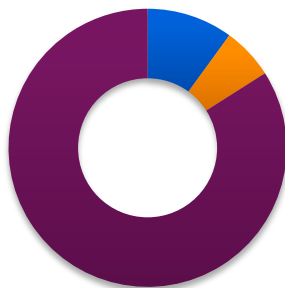
By size

By Member

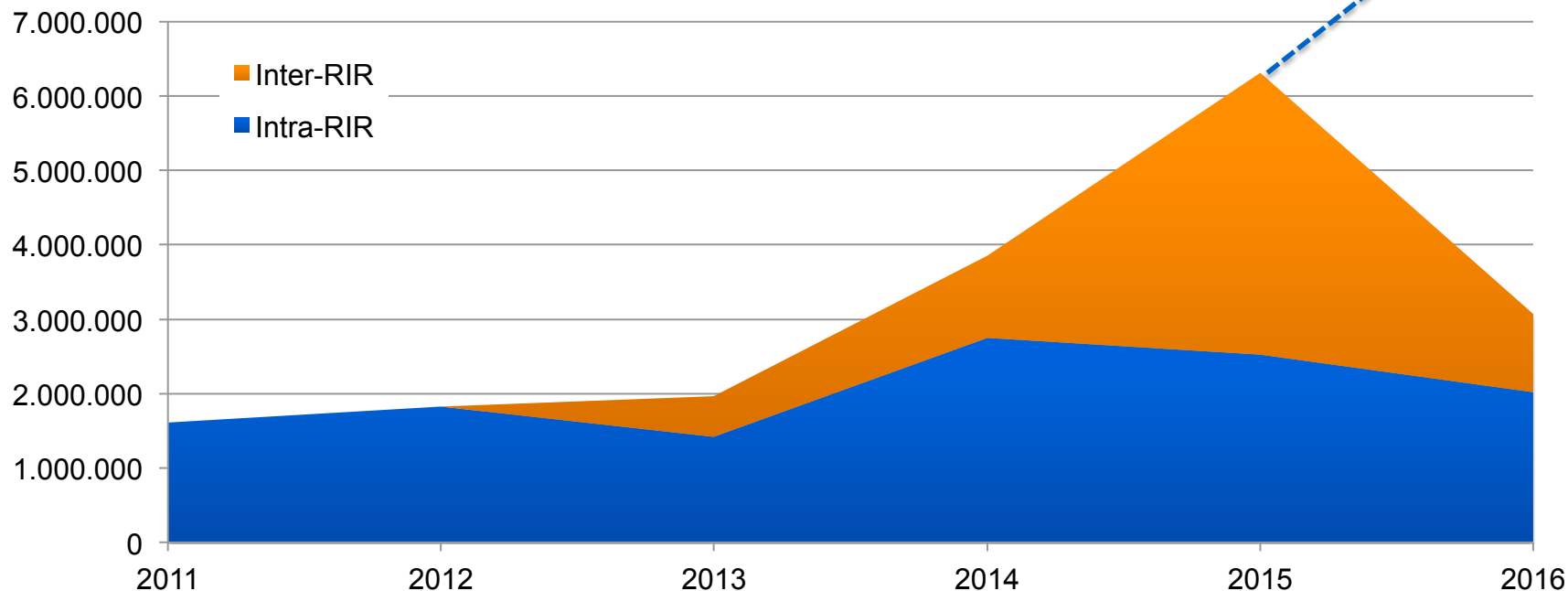As at 30 Apr

Annual IPv4 Transfers

Using listing service
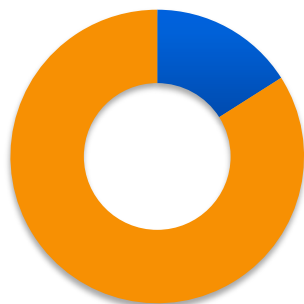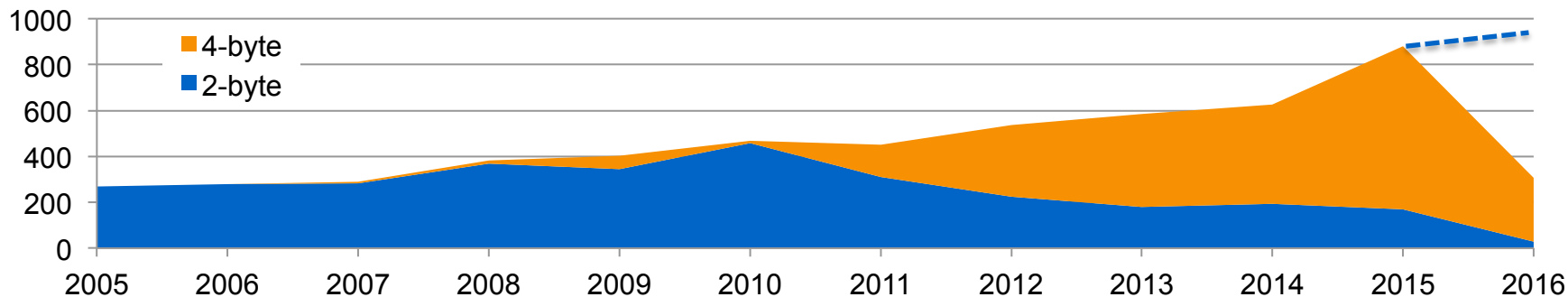
Pre-approval usage

As at 30 Apr

APNIC

8

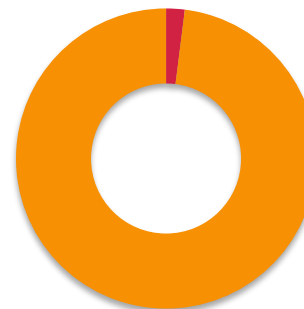# Total IPv4 Addresses Transferred

As at 30 Apr

Annual ASN Assignments

By type

4-byte return rate

As at 30 Apr

MyAPNIC Improvements

- Authorized contact management

- Route and ROA management

- Whois records management

- Speed – 24% faster response time

- Reverse DNS management

- Simplified whois updates

Whois Accuracy

- Clearer information about contacts on objects

- Simplifying contact update process

- Monthly cleanup program of referenced objects

- Easily report invalid contacts

- Assisting with IRT registration process

- Guidelines on using and updating whois records

RPKI

- Ready to ROA
  - ROAs created: 375
  - Increase 0.8 to 3.5% coverage
  - IPv4 under ROA: 0.85%
  - IPv6 under ROA: 0.23%
  - www.apnic.net/roa

- RPKI Signing of RPSL objects
  - Prototype in cooperation with RIPE NCC
  - Based on draft-ietf-sidr-rpsl-sig
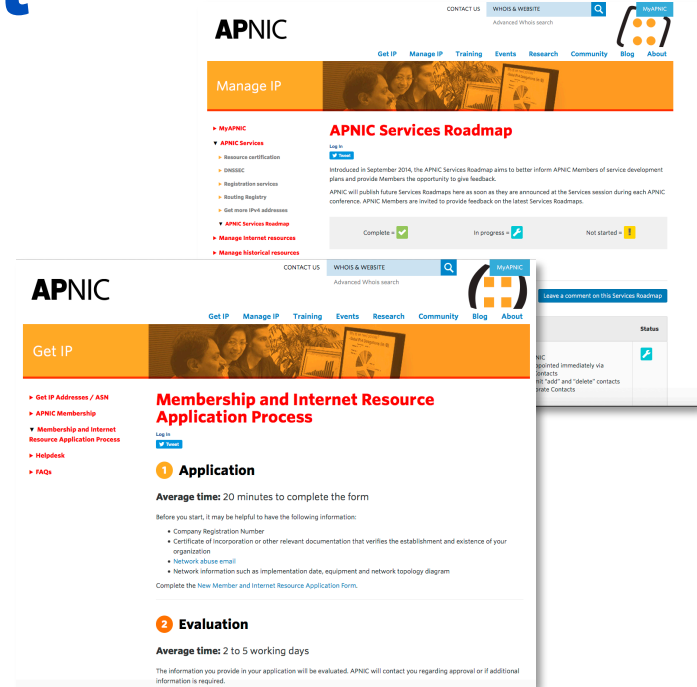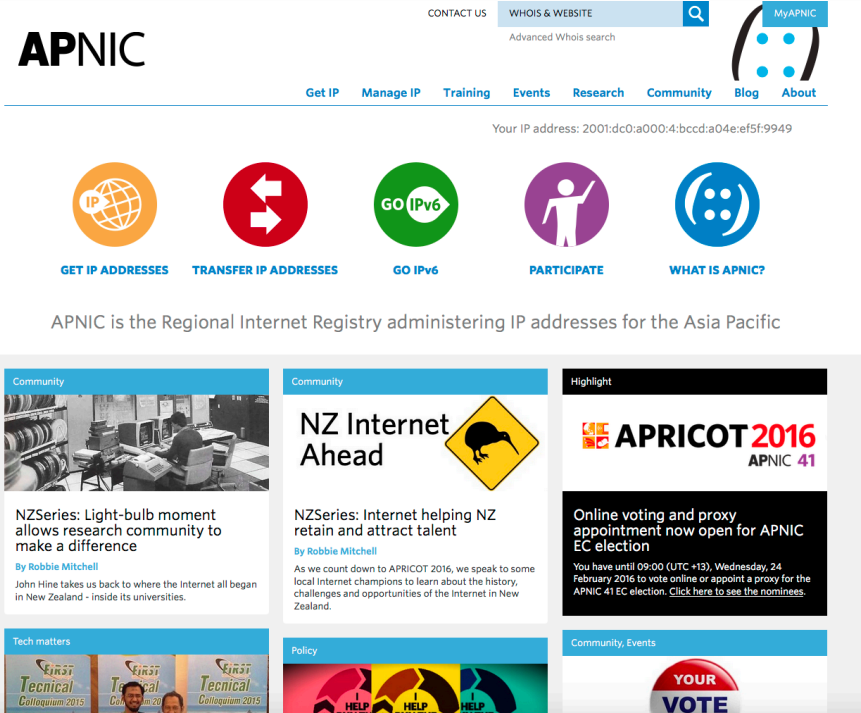
ASN Visual Exploration: vizAS
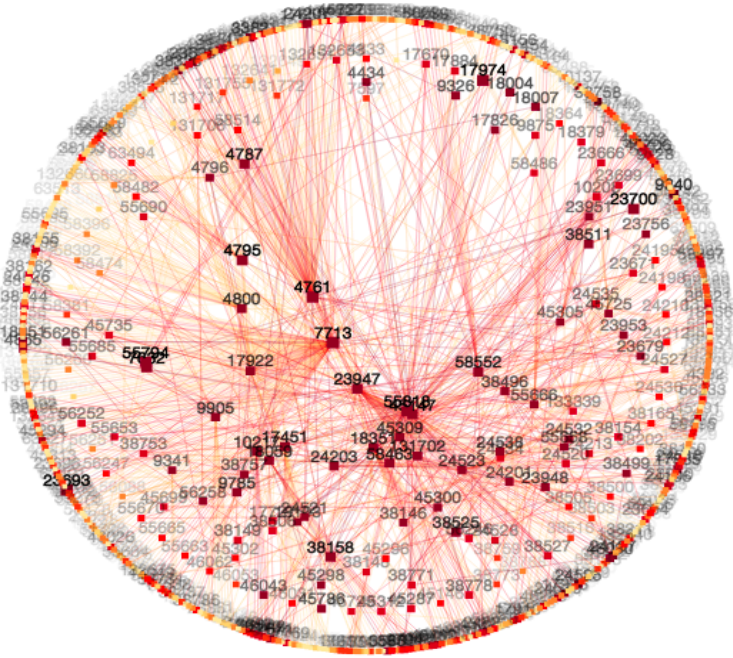
Graphical display of BGP paths within a single economy

Relationships between service and transit ASNs identified

Public tool – Have a go!

labs.apnic.net/vizas

Website Improvement

Navigation and usability improvements to home page and services pages

Improving Communication

blog.apnic.net

Blog and social media provide day-to-day insight into APNIC and community

Great community content – 68 Guest Posts – thank you

652 blog posts
128 event wrap reports
187,510 views

Award winning!

APNIC Development Program
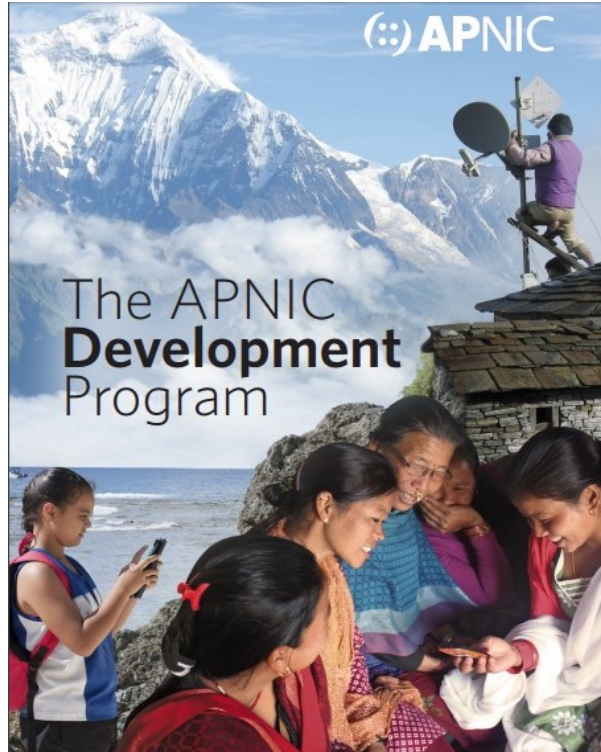
Supports Internet development in the Asia Pacific region through:

- Training and technical assistance
- Infrastructure support
- Grants and awards
- Research support

APNIC Training

	2015	2016
Face-face		
Courses	77	17
Locations	20	11
Trainees	2194	504
eLearning		
Sessions	117	51
Trainees	726	395
Archive		
Videos	80	86
Views	138,319	365,337

NOG Support

17 NOG events in 2015:
JANOG, HKNOG, PHNOG, bdNOG, LKNOG, MyNOG, SGNOC, IDNOG, AusNOG, NZNOG, SANOG, PACNOG, MMNOG

So far in 2016:
JANOG, PHNOG, SANOG, bdNOG

… and more to come!

SGNOG 2015

bdNOG 5

Community Support

RIPE Atlas anchor deployment in Maldives – Dhiraagu staff

Probe hosts in the Philippines

SANOG 27

MoU signing for L-root

Supported RIPE Atlas:
5 Anchors, 120 probes

24 fellowships for APNIC 40
24 for APRICOT 2016

Supporting new L-root (ICANN) servers in Apia, Samoa

Working with NSRC on IXP support in New Caledonia and Samoa

Security Outreach

Adli Wahid

Craig Ng
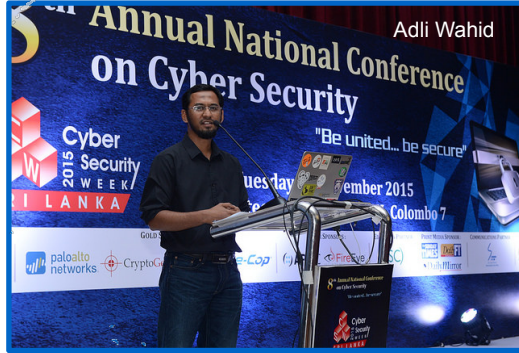
NOGs, CSIRTS and LEA events
PK, CN, HK, KR, JP, PH, SG, MY, ID, AU, LK, MV, TW

Collaboration with JICA and KISA to deliver regional CERT training

Geoff Huston member of ICANN SSAC

Adli Wahid member of FIRST Board; invited to join INTERPOL Global Cybercrime Expert Group

www.apnic.net/security

IPv6 Outreach

ITU/APNIC IPv6 workshop

ITU/APNIC IPv6 workshop

2015
- 539 trainees in 13 economies

- IPv6 presentations at 14 events

- IPv6 workshop with ITU in TH and TAS in MN

- Supporting APIPv6TF Secretariat

www.apnic.net/ipv6

APNIC Events

APRICOT 2015

APNIC 40

APRICOT 2016

APNIC Regional Meeting, Nepal

2015
16 economies: PK, BD, LK, MM, KH, TH, MY, SG, PH, ID, SB, JP, MN, GU, LA, MG

Attendance
- Conferences: 1,364
- Member outreach events: 614

2016 (to date)
- Conference: 531 (NZ)
- Member outreach events: 186 (NP)

APNIC Labs

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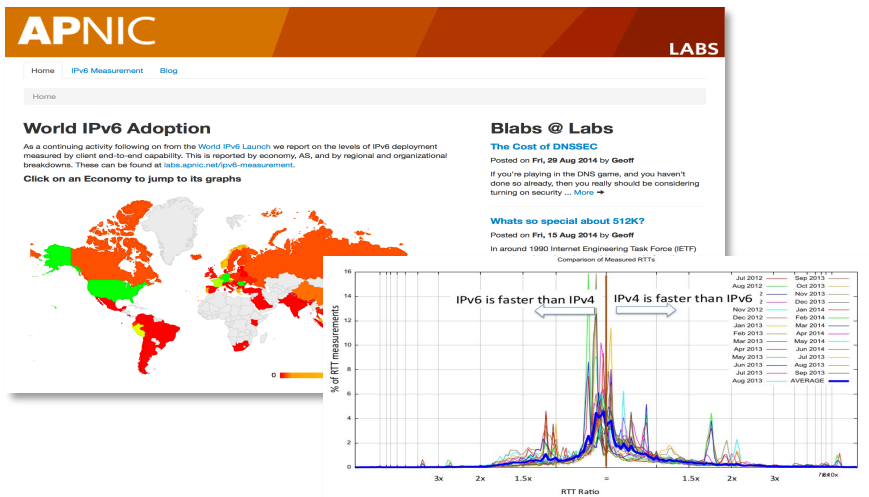
Over 3 million measurements per day

Measuring IPv6, DNSSEC, DNS

HTML5 allows measurements on mobile devices (replacing Flash)

Critical data for DNS Root Zone key roll and ICANN's Universal Acceptance (IDN) program

Research presentations at 18 forums including IETF, RIRs, ICANN, DNS OARC, NOGs, OECD

labs.apnic.net

A charitable foundation registered in Hong Kong to support and expand the APNIC Development Program

APNIC FOUNDATION

Cooperating Globally

Serving

Supporting

Cooperating

Next APNIC Conference

APNIC 42 (with bdNOG 6),
Dhaka, Bangladesh
29 Sep - 6 Oct 2016

conference.apnic.net/42

Later Conferences

- APRICOT 2017, Ho Chi Minh City, Vietnam
  - 20 February to 2 March 2017

- APNIC 44, Taichung, Taiwan
  - 7 to 14 September 2017

Coming Soon: APNIC Survey 2016

We want your views on APNIC!

Survey open July – more details soon

Stay in Touch!

blog.apnic.net

apnic.net/social

Thanks

dg@apnic.net