APNIC Update

Vivek Nigam
SANOG 28
02 August 2016

APNIC's Vision

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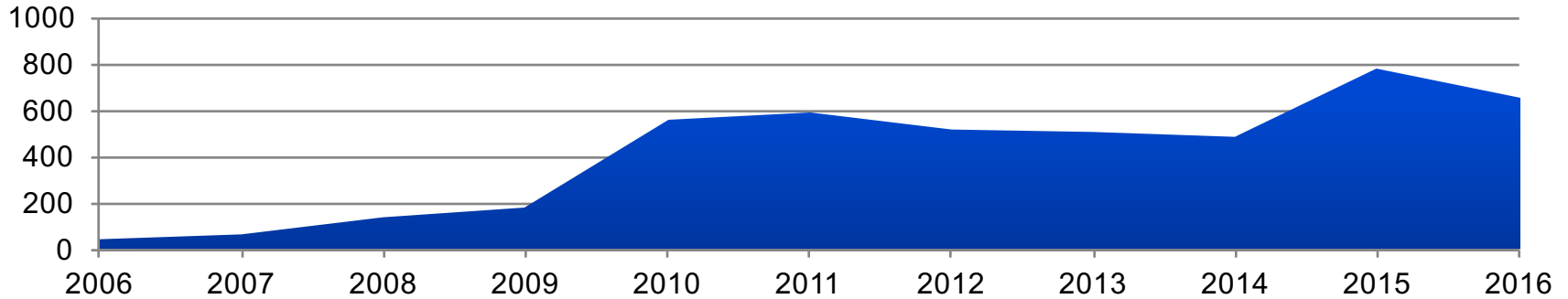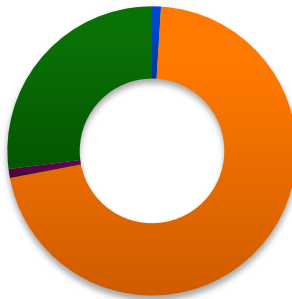
APNIC Activities

Serving

Supporting

Cooperating
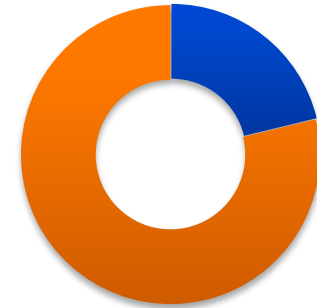
Annual IPv6 Delegations

By delegation type

By size

By request type

Chart legends:
- Allocation
- Assignment
- >=/31
- /32
- /43-/47
- /48
- One-click
- Normal

As at 30 June

Annual IPv4 Delegations
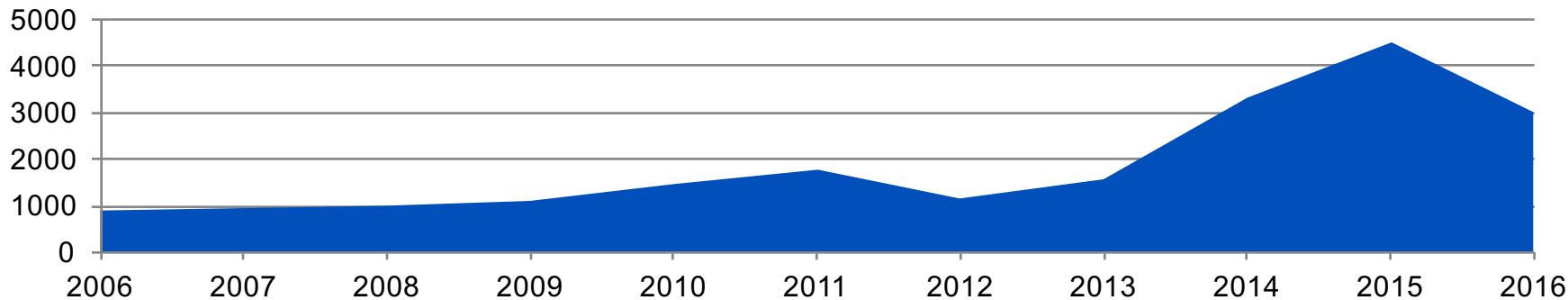
By pool
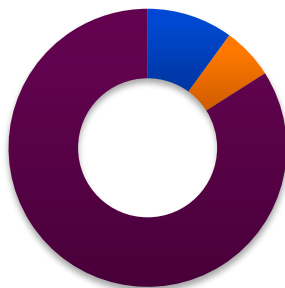
By size
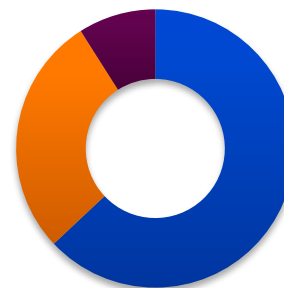
By Member

Annual ASN Assignments
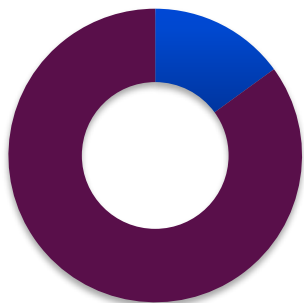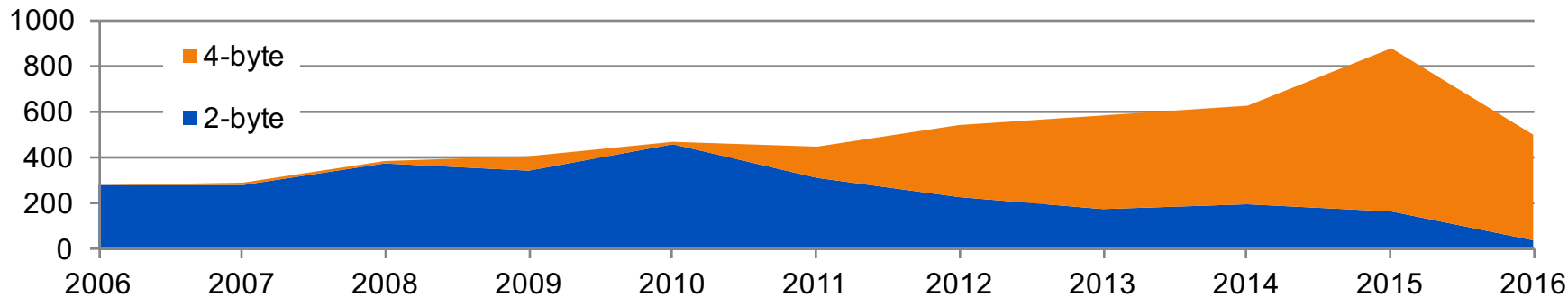
By type
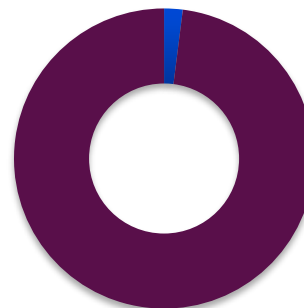
4-byte return rate

As at 30 June

Annual IPv4 Transfers
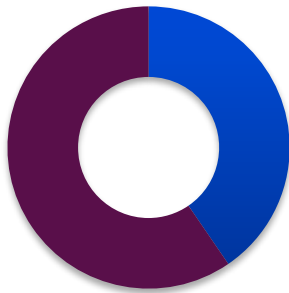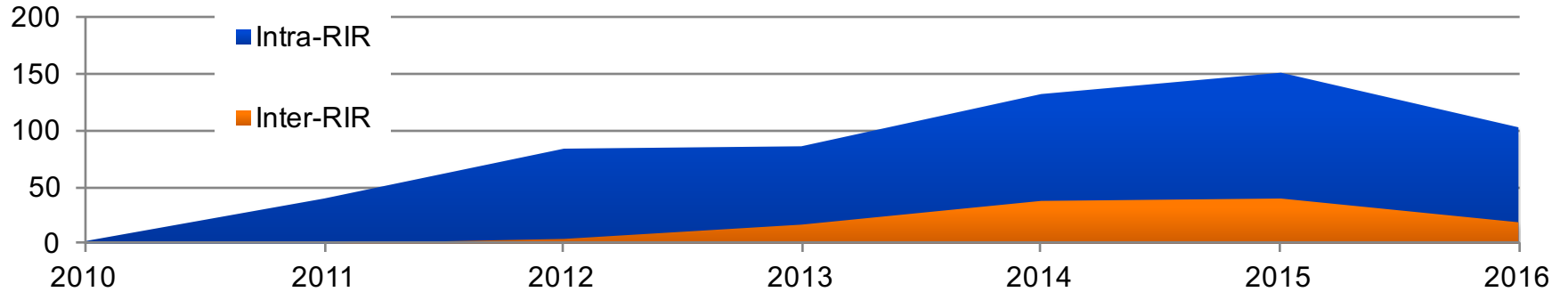
Using listing service
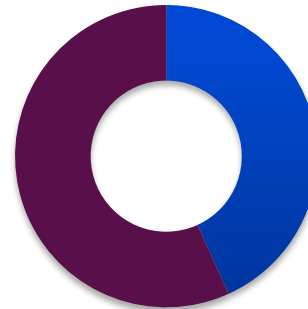
Pre-approval usage

APNIC Membership
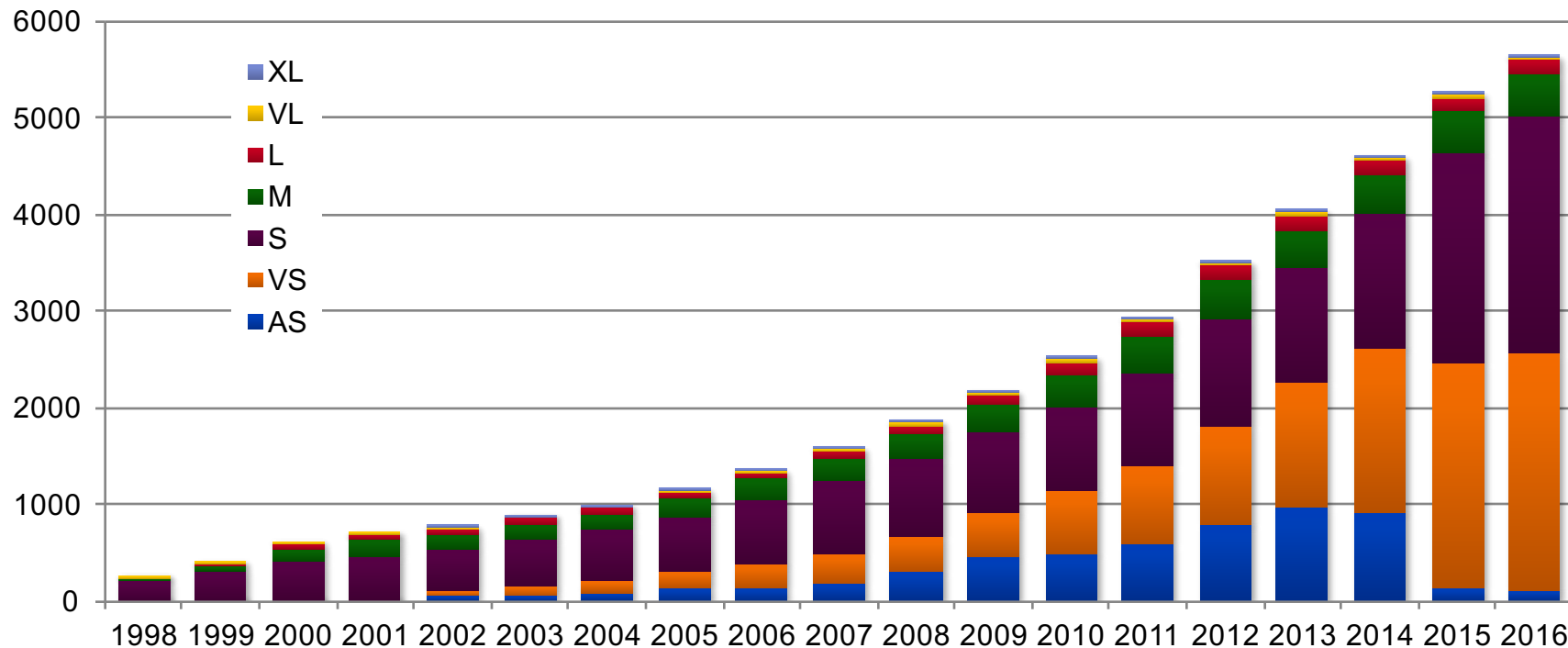
As at 30 June

Total NIR Sub-Accounts

As at 30 June

Registration Data Access Protocol
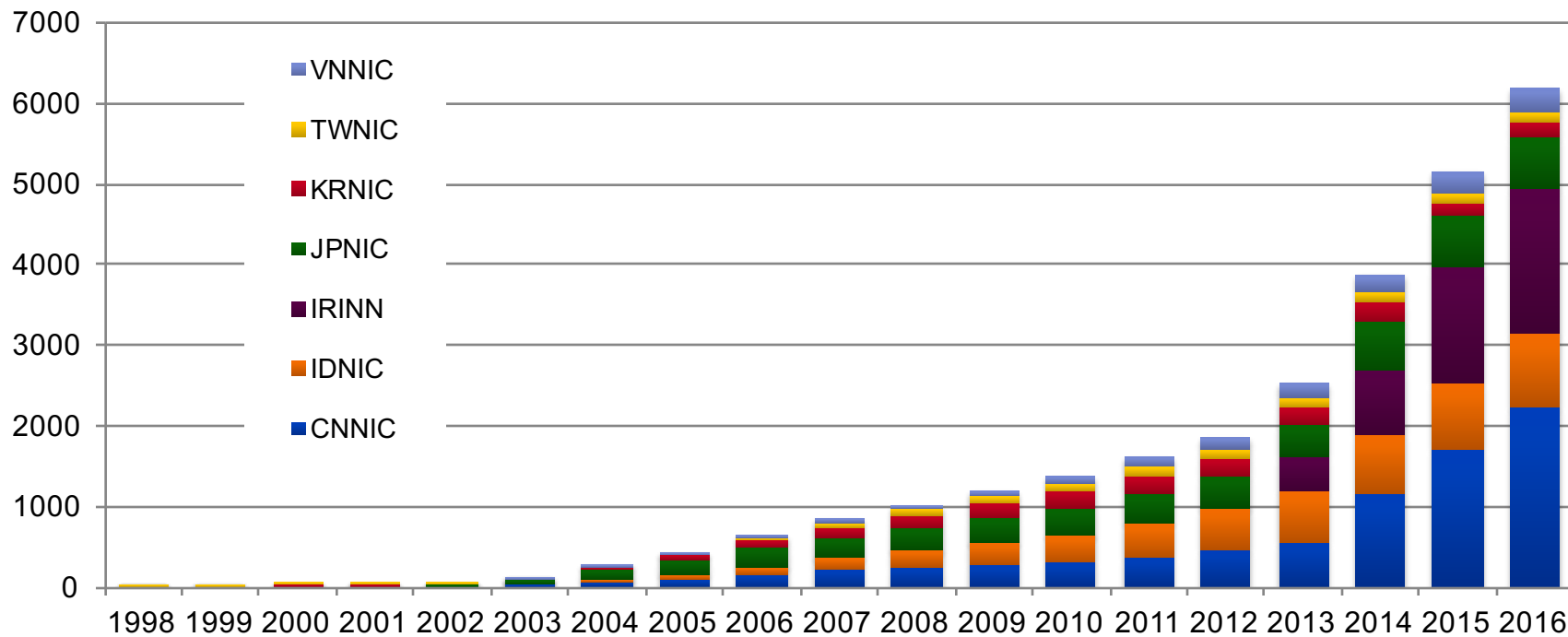
RDAP Deployed in production 2015

Solves a number of limitations to WHOIS protocol

www.apnic.net/rdap

Standardized JSON query/response

RESTful web services over HTTP

Automatic inter-registry redirection

Authorization at attribute level

Internationalization using UTF-8

RPKI

"Ready to ROA" campaign – hands-on sessions to help Members create ROAs

Regional RPKI adoption growing: from 0.8% to 3.44% and rising over last 17 months

ROA stats (to date)	
Enabled ROA engine count	609
Numbers of ROAs created	409
Number of IPv4 addresses under ROAs (/32s)	7,508,736
Number of IPv6 addresses under ROAs (/56s)	1,998,555,200
% allocated space under ROAs (IPv4)	0.87
% allocated space under ROAs (IPv6)	0.24

www.apnic.net/roa

MyAPNIC Improvements

Improving major features of MyAPNIC

Authorized contact management

Route and ROA management

Whois records management

MyAPNIC speed improvement – 24% faster response time

Reverse DNS management

Simplified whois updates

Whois Accuracy Project

Improving database and information accuracy to provide better user experience

- Clearer information about PoC in IP address object
- Monthly cleanup program on referenced objects (12 months+)
- Guidelines on using and updating information in whois
- Easily report invalid contacts
- Simplifying contact update process
- Assisting with IRT registration process

Website Improvements

Navigation and usability improvements to home page and services pages

2015 Policy Implementations

Proposals approved at APNIC 40 Policy SIG

prop-113: Modification in the IPv4 eligibility criteria

prop-114: Modification in the ASN eligibility criteria

www.apnic.net/policy

The APNIC Development Program
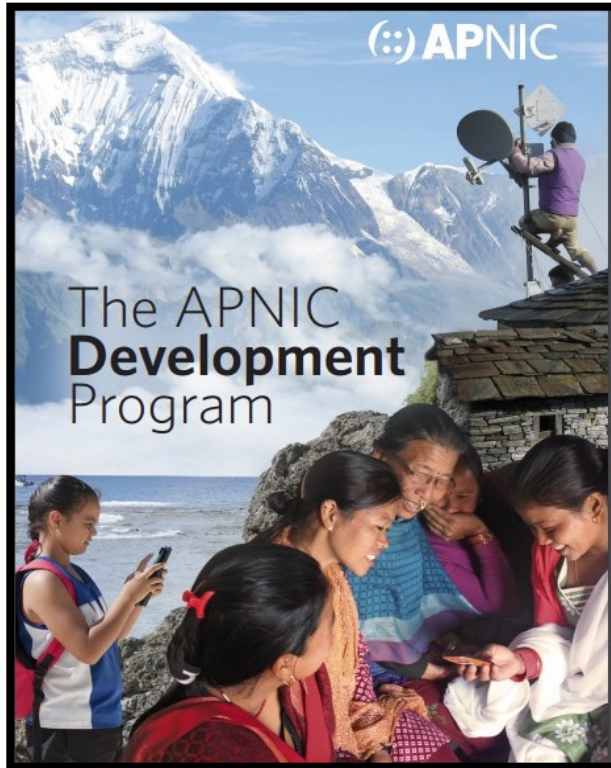
Supports the growth of the Asia Pacific community by providing:

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

APNIC Training

2016
(to date)

- 30 F2F courses held in 15 locations

- 915 F2F trainees

- 529 trainees in 69 eLearning sessions

- Video archives: 101 videos; 389,060 views

NOG Outreach

2016: JANOG (Jan), PHNOG (Jan), SANOG (Jan), bdNOG (Apr), TWNOG (Jun)

… and many more to come!

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

SGNOG 2015
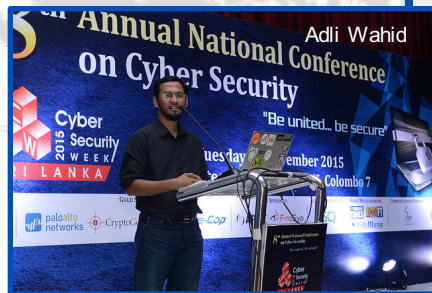
bdNOG 5

www.apnic.net/nog

Security Outreach
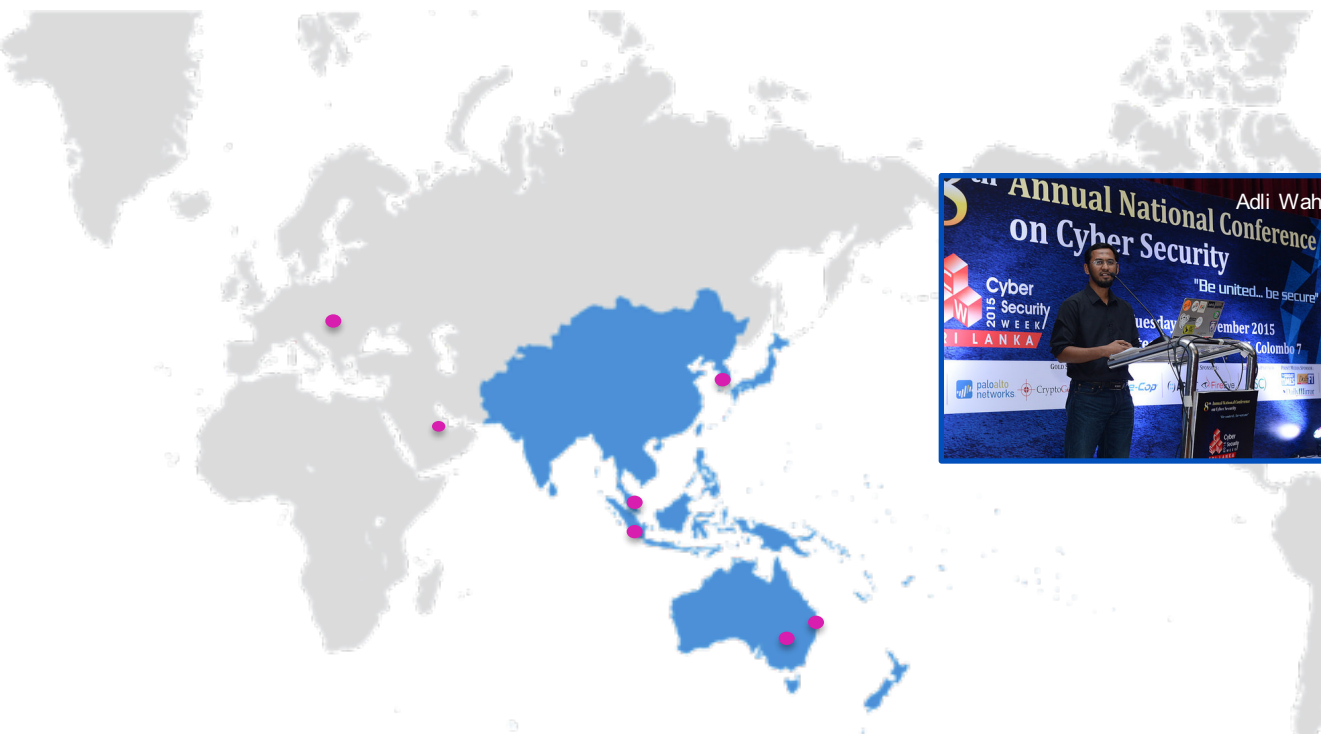
Adli Wahid

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

2016 (to date)

- 232 trainees in 6 economies

- IPv6 presentations at 7 events

- IPv6 workshop with ITU in TH & KH

- Supporting APIPv6TF Secretariat

ITU/APNIC IPv6 workshop

ITU/APNIC IPv6 workshop

www.apnic.net/ipv6

The APNIC Foundation

Established in Hong Kong to support and expand the APNIC Development Program

Next APNIC Conference

Colombo, Sri Lanka
Workshop: 28 Sep to 2 Oct
Conference: 3 to 5 Oct

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

Your views matter!

https://survey.apnic.net

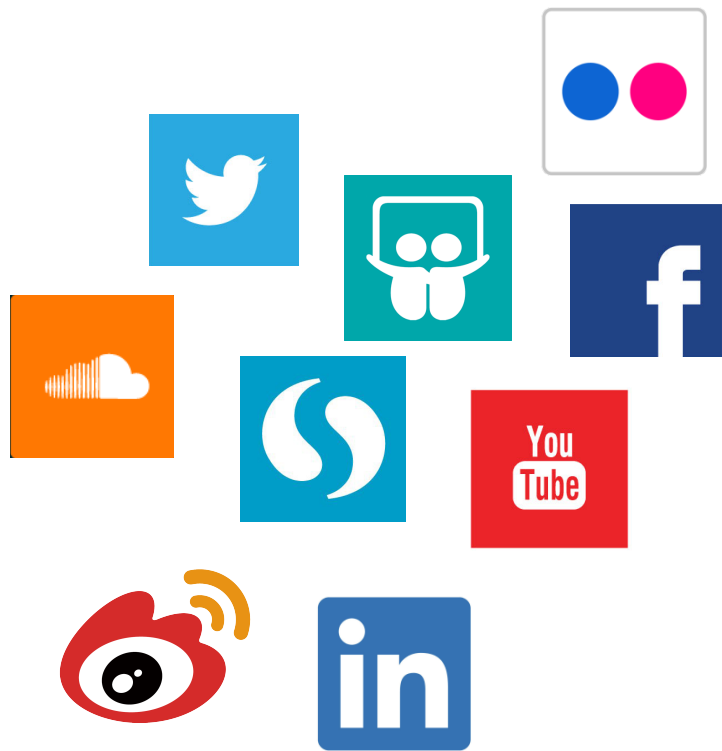# Stay in Touch!

blog.apnic.net

apnic.net/social

THANK YOU