

APNIC Update

Elly Tawhai

Senior Internet Resource Analyst/Liaison Officer, Pacific,
APNIC

PacNOG 15 14-07-2014

APNIC



Overview

Serving APNIC Members

Supporting Internet development
in the Asia Pacific region

Collaborating with the Internet
community

APNIC

APNIC's Vision:

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



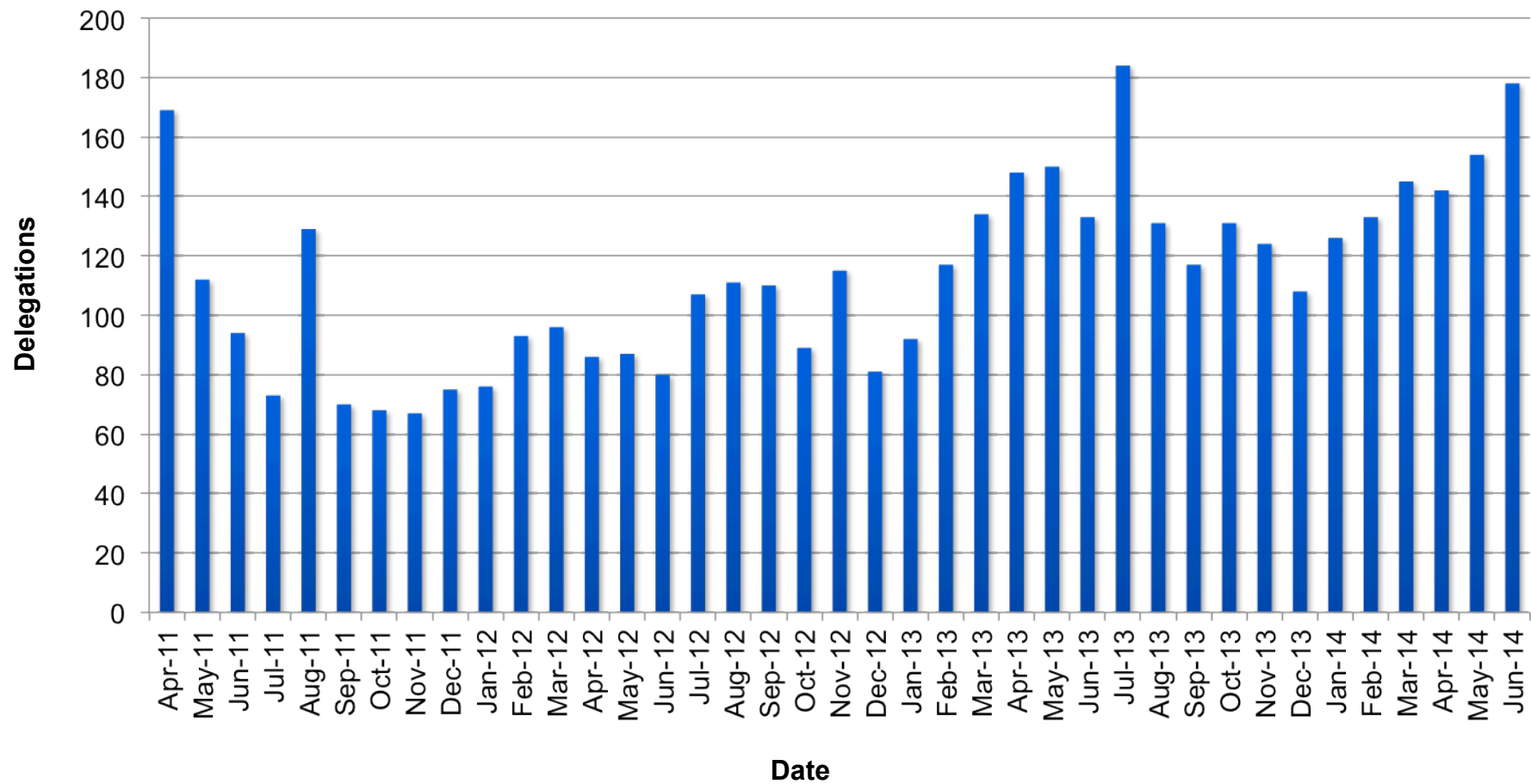
What is APNIC?

- Regional Internet Registry (RIR) for the Asia Pacific region
 - One of five RIRs currently operating around the world
 - A membership-based, not-for-profit organization
- Industry self-regulatory body
 - Open
 - Consensus-based
 - Transparent
- Meetings and mailing lists
 - <http://meetings.apnic.net>
 - <http://www.apnic.net/mailing-lists>

Rationing the 'last block'

- APNIC's last remaining block is 103.0.0.0/8
 - Equal to 16,777,216 addresses
- Each member can only get up to 1,024 addresses (/22)
- Allows new members to get a little bit of IPv4 before it completely runs out

IPv4 Last /8 Delegations

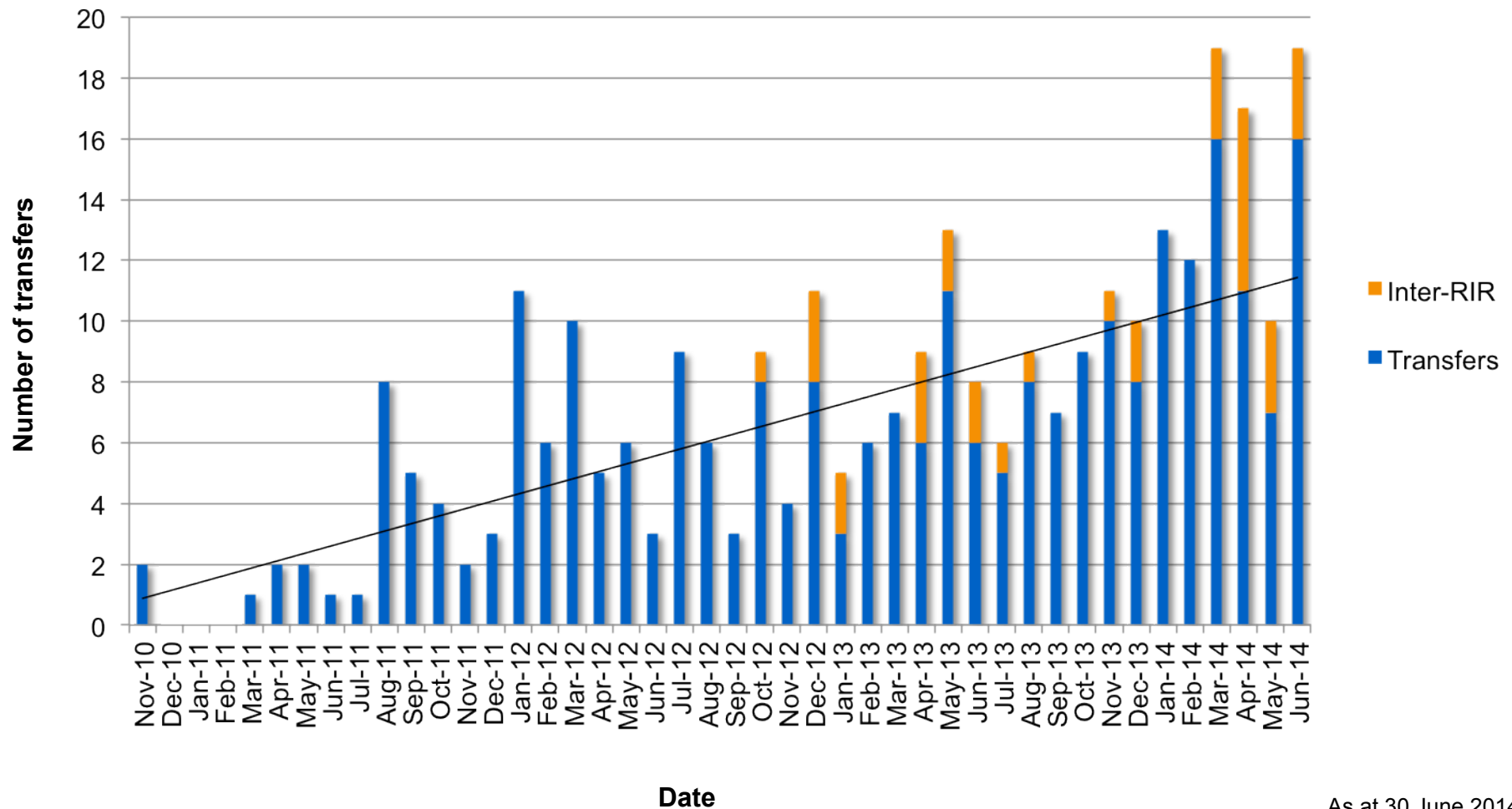


As at 30 June 2014

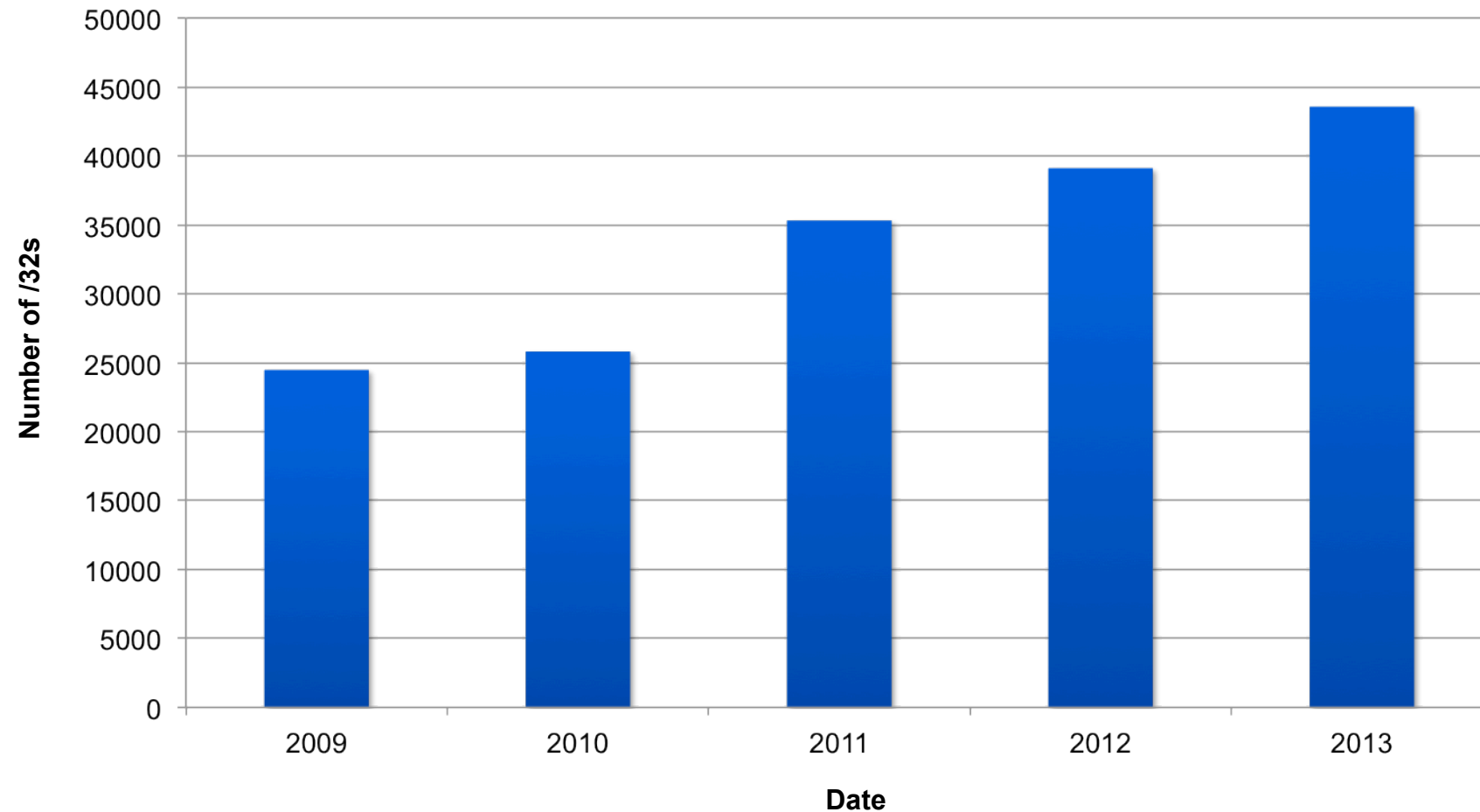
IPv4 address transfer

- Transfer is allowed through:
 - Merger & Acquisition
 - Needs based market transfer
- Needs based market transfer
 - The recipient (or buyer) must show evidence of need before a transfer can be registered by APNIC
 - Policy designed by the community to prevent hoarding

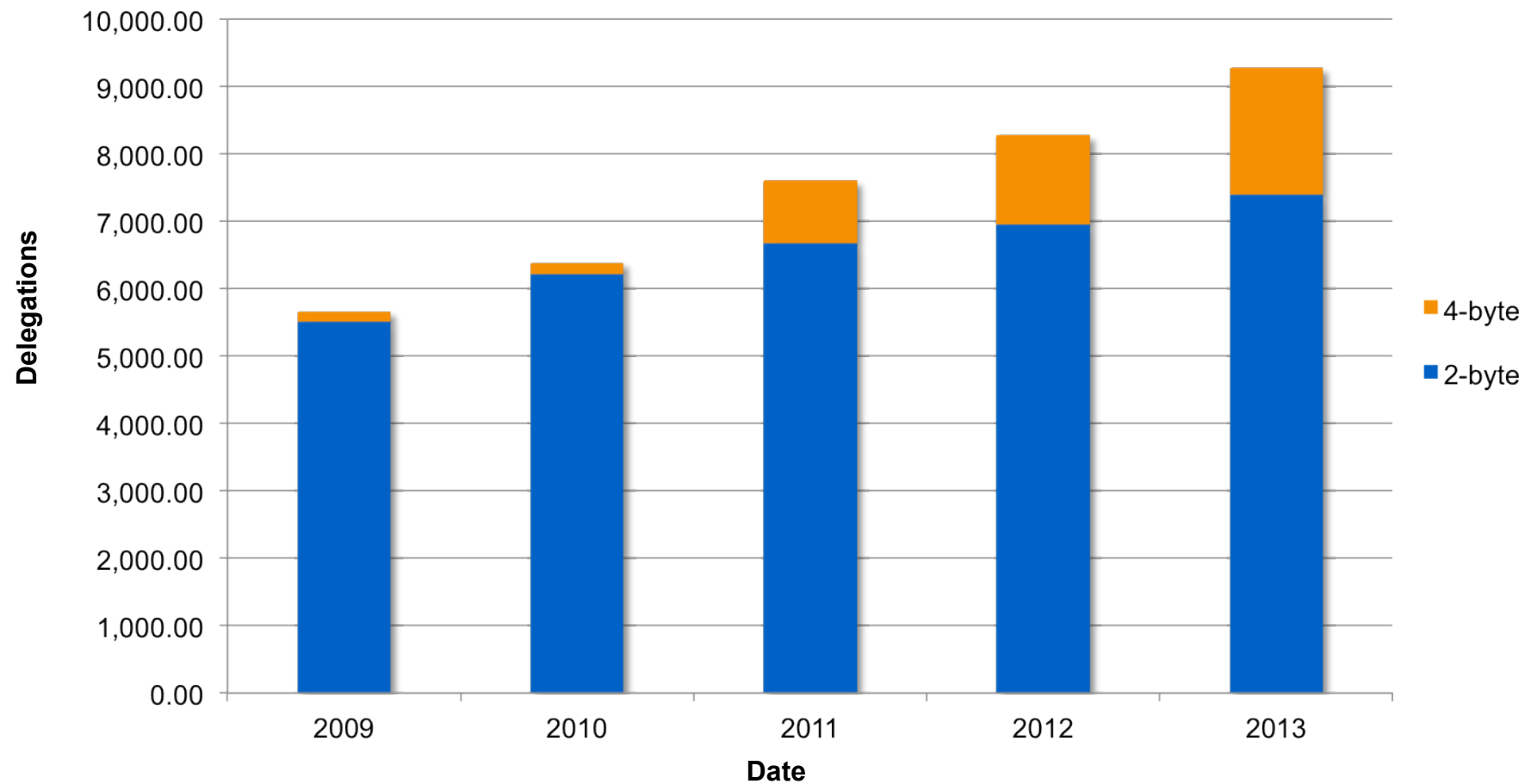
IPv4 Market Transfers



Cumulative IPv6 Delegations (/32s)



Cumulative ASN Delegations



MyAPNIC

Test | [MYAPNIC-TEST-AP] | Manage Contacts | My Profile | Log out

APNIC

Masquerading from user *elly* to user *NonCorporate*.

Home

Resources

Administration

Events

Tools

Hello Test!

My Profile

Manage Contacts

Membership details

Account: **MYAPNIC-TEST-AP**

Expiry: **2020-02-28** Renew

Tier: **very small**

APNIC Digital Certificate

Get your certificate now.



Welcome to MyAPNIC

Call for nominations to the APNIC Executive Council now open

(2014-01-06)

Nominations for the APNIC EC election is now open until 10 February 2014. To nominate, please use the online nomination [form](#). Three positions on the APNIC Executive Council (EC) will be opened for election at APNIC 37 in Bangkok on Friday, 28 February 2014.

Use MyAPNIC to

- Complete a [referral application](#) for a customer. [Read more.](#)
- View your resource information for IP, IP-6 and AS numbers
- Register for APNIC training or Conference via the "Events" tab
- Manage and update your resources with [Whois updates](#)
- View your [Member details](#) and [Contact details](#)

News

28-01-2014 APNIC Executive Council unanimously supports Montevideo Statement

Useful links

- [Using MyAPNIC](#)
- [IRT object guide](#)
- [IP address calculator](#)
- [Reverse DNS troubleshooting](#)
- [Training](#)
- [How to create a Route object?](#)
- [Annual membership fees calculator](#)
- [Click for Live Support](#)

RPKI Current Status

- In service since 2009
- Self-signed TA over all APNIC holdings
 - Offline HSM
- APNIC-RPKI
 - Online HSM
 - Talks Up-Down to APNIC-MEMBERS
- APNIC-MEMBERS
 - Hosted RPKI engine, talks up-down to APNIC-RPKI
 - Visible via MyAPNIC (portal) including ROA management

Policy Implementations

- prop-108: Suggested changes to the APNIC Policy Development Process
- prop-107: AS Number transfer policy proposal
- prop-109: Allocate 1.0.0.0/24 and 1.1.1.0/24 to APNIC Labs as Research Prefixes
- prop-105: Distribution of returned IPv4 address (Modification of prop-088)

Training

IPv6

- Continuing focus on IPv6 deployment

Hands-on

- Extensive exercises in virtual and physical training labs

eLearning

- Every Wednesday is IPv6 day; 179 hours training provided in 2013



ISIF and Seed Alliance

ISIF Asia

- Small grants and awards
- AUD 1.3m over 3 years (IDRC, Canada)
- So far, AUD 1.2m to 38 projects in 17 economies
- 2014 Call for Grants: 11 projects selected for implementation in 2014
- 2014 ISIF Asia Awards: 93 applications received; 34 passed pre-screening

Seed Alliance

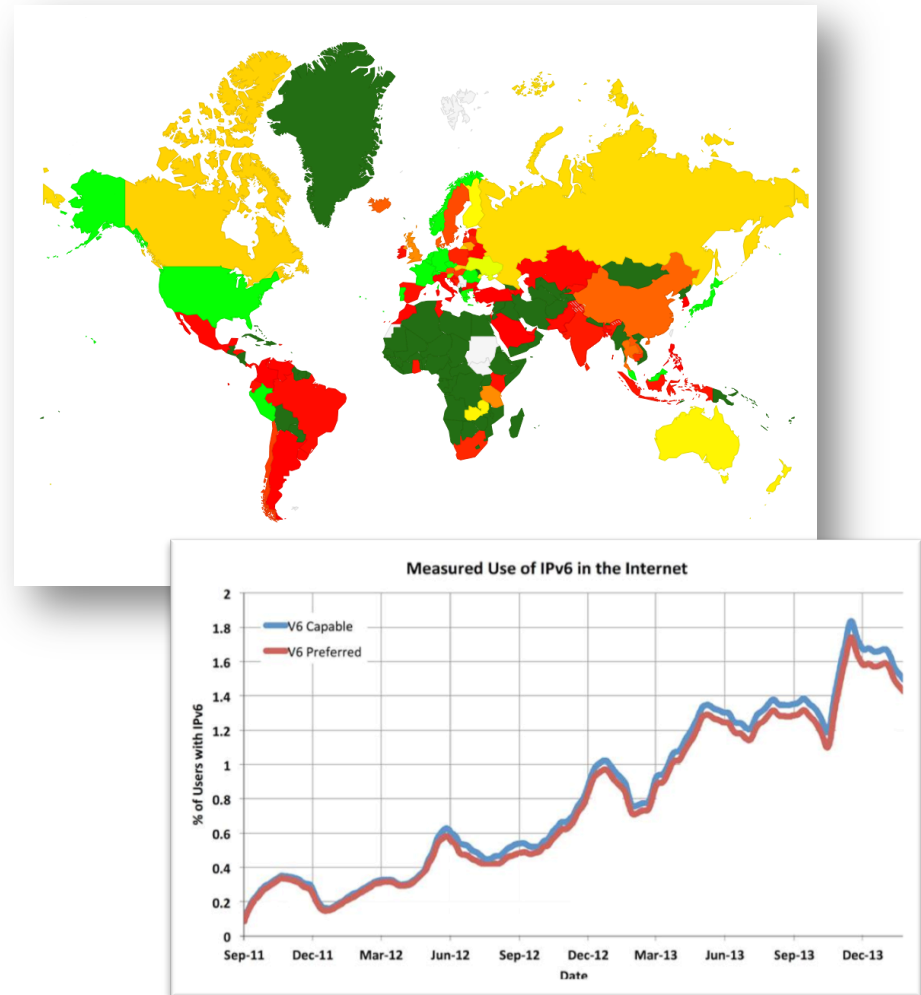
- Joint project of ISIF (APNIC), Frida (LACNIC), FIRE (AFRINIC)
- AUD 1.5m over 3 years (Sida, Sweden)

APNIC Labs

- Measurement activities
 - IPv6 readiness by economy and ISP; IPv6 performance
 - Repurposed IPv6 measurement for DNSSEC validation by economy and ISP
 - Tracking growth of routing table in IPv4 and IPv6
 - RPKI use across the Internet
- Long-term investigation exercise into evolving nature of dark traffic in both IPv4 and IPv6
- Internet number resource reporting and analysis

labs.apnic.net

blabs.apnic.net



APNIC Survey 2014

- 11 -22 June 2014
- Opportunity to provide input on APNIC's performance, development, and future direction
- Contributes to APNIC's future planning processes
- Run by an impartial, independent research organization
- Confidentiality of respondents guaranteed
- Focus Group Report available

survey.apnic.net



#apnicsurvey2014

APNIC 38 Workshops

DNSSEC

Network Security

Advanced BGP,
IPv4 and IPv6

- Conducted by industry experts, including APNIC Trainers
- Classes are limited to up to 28 participants, so register now!
- More information: conference.apnic.net/38/program



You're Invited!

- APNIC 38: Brisbane, Australia, 9-19 September 2014



- Participate remotely via webcast, audio streaming, live transcripts

conference.apnic.net

THANK YOU



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