

APNIC Update 2014

Frank Salanitri

Overview

Serving APNIC Members

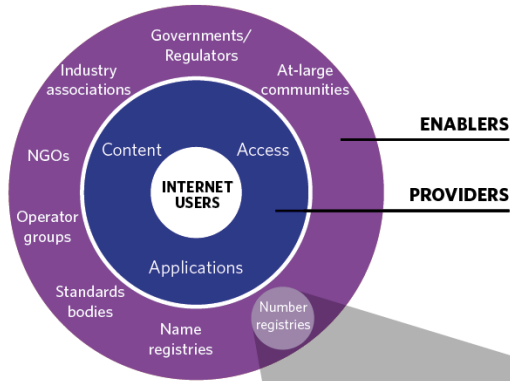
Supporting Internet development
in the Asia Pacific region

Collaborating with the Internet
community

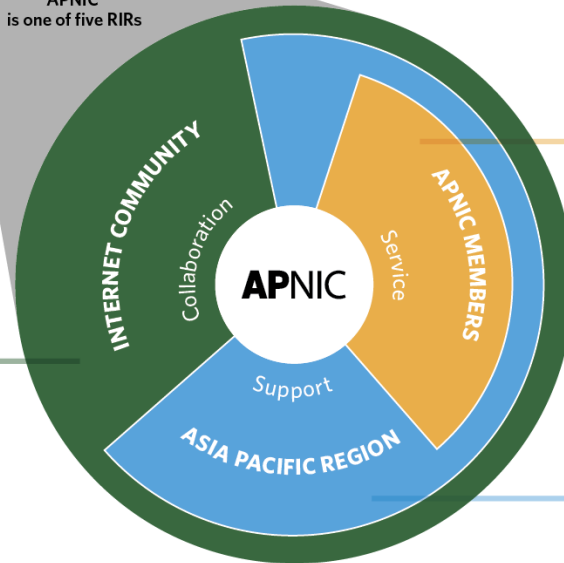
APNIC's Vision:

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

APNIC in the Internet ecosystem



APNIC
is one of five RIRs



Resource distribution

- IP addresses
- AS numbers

Registration services

- reverse DNS
- Internet routing registry
- resource certification
- whois registry

Policy development

Capacity building

- training
- workshops
- conferences
- fellowships
- grants

Infrastructure

- root servers
- IXPs
- engineering assistance

Original research

Data collection
and measurements

Publications

Local/regional/global events

Government outreach

Intergovernmental & technical
organizations collaboration

Internet security

APNIC's Mission

- **Function as the RIR** for the Asia Pacific, in the **service** of the community of Members and others
- Provide Internet registry services to the highest possible standards of **trust, neutrality, and accuracy**
- Provide **information, training, and supporting services** to assist the community in building and managing the Internet
- Support **critical Internet infrastructure** to assist in creating and maintaining a robust Internet environment
- Provide **leadership and advocacy** in support of its vision and the community
- Facilitate **regional Internet development** as needed throughout the APNIC community

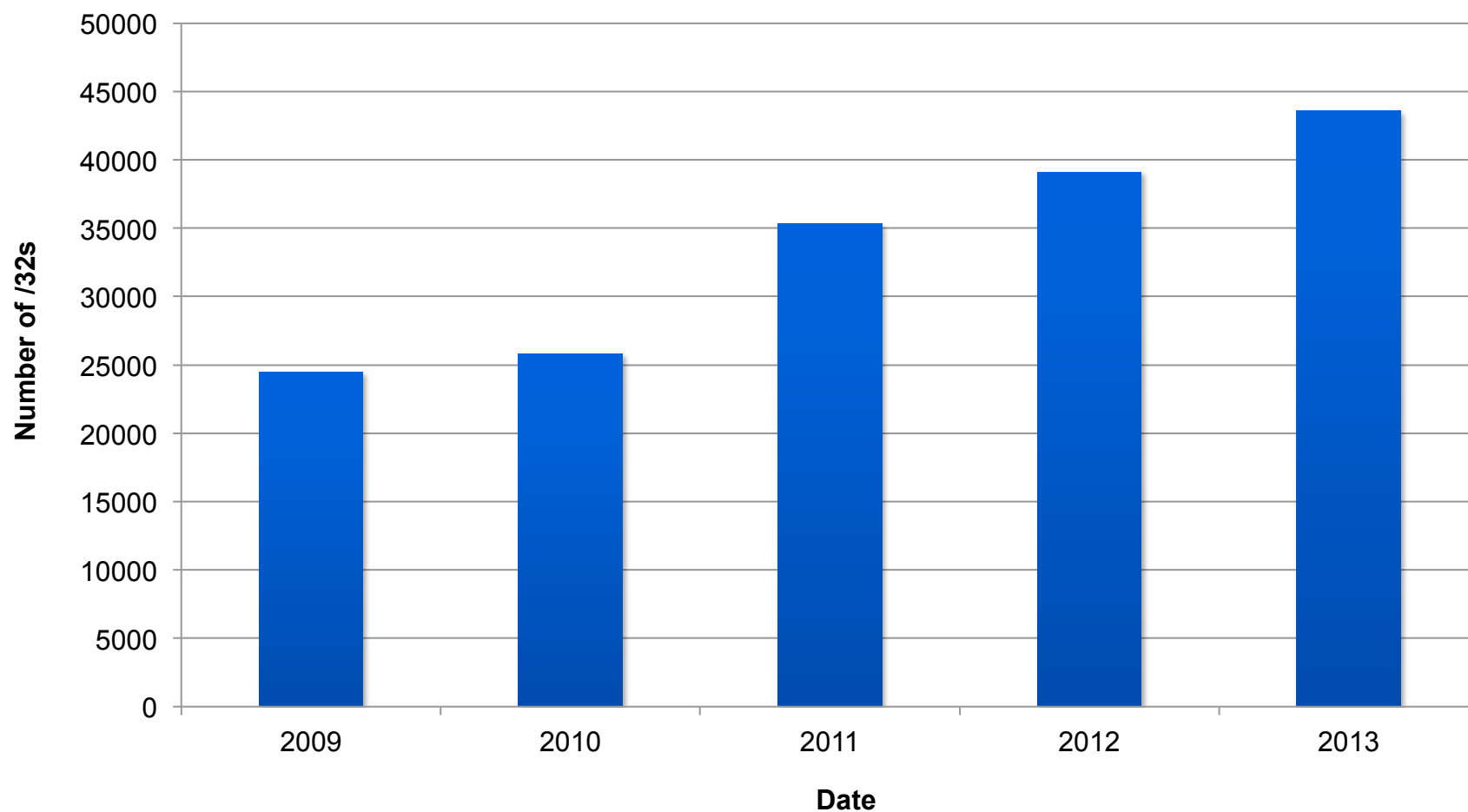
Serving APNIC Members

- IPv6 statistics
- IPv4
 - Last /8 statistics
 - Market transfer statistics
- ASN statistics
- Membership growth

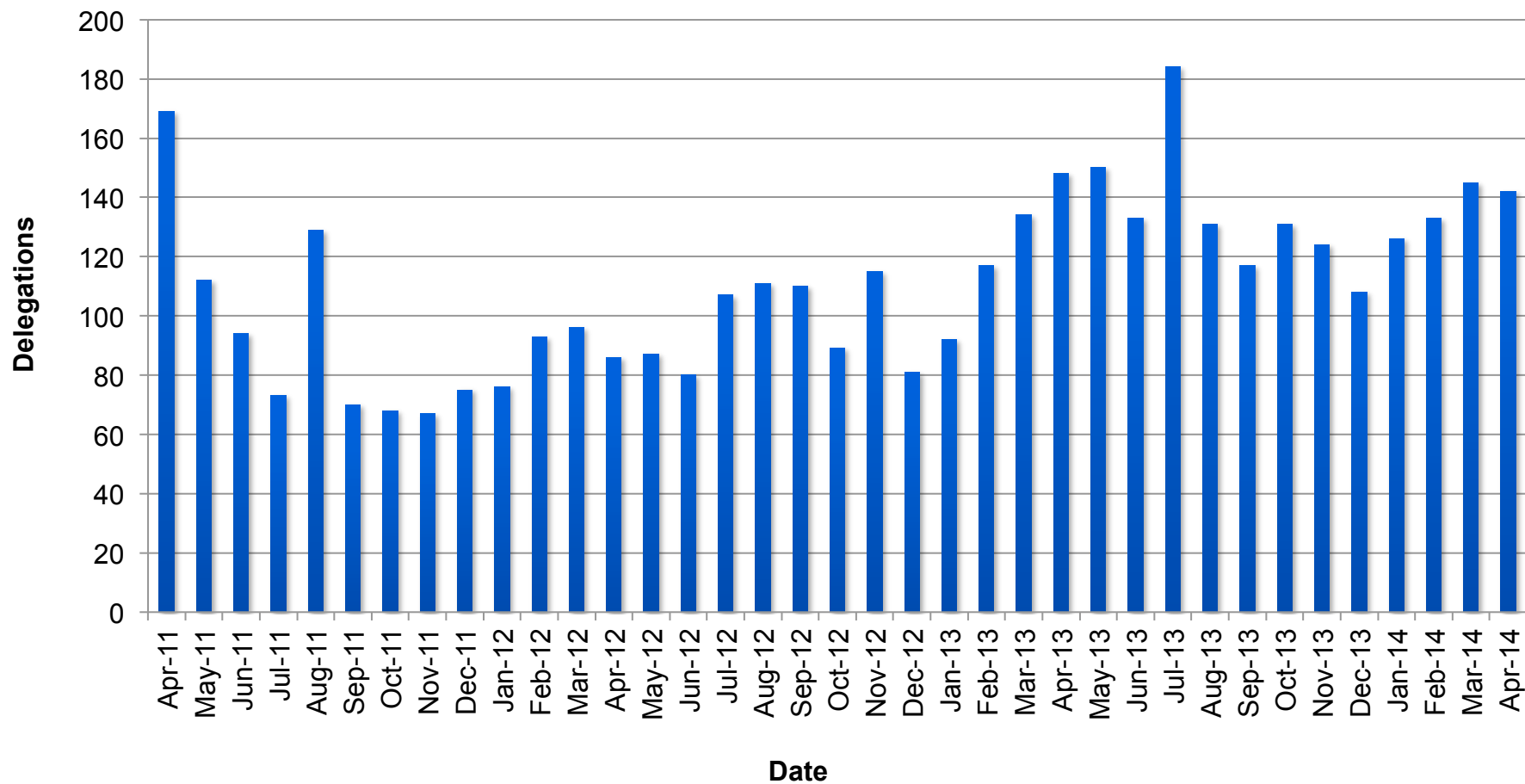
“Function as the RIR for the Asia Pacific, in the service of the community of Members and others”

“Provide Internet registry services to the highest possible standards of trust, neutrality, and accuracy”

Cumulative IPv6 Delegations (/32s)

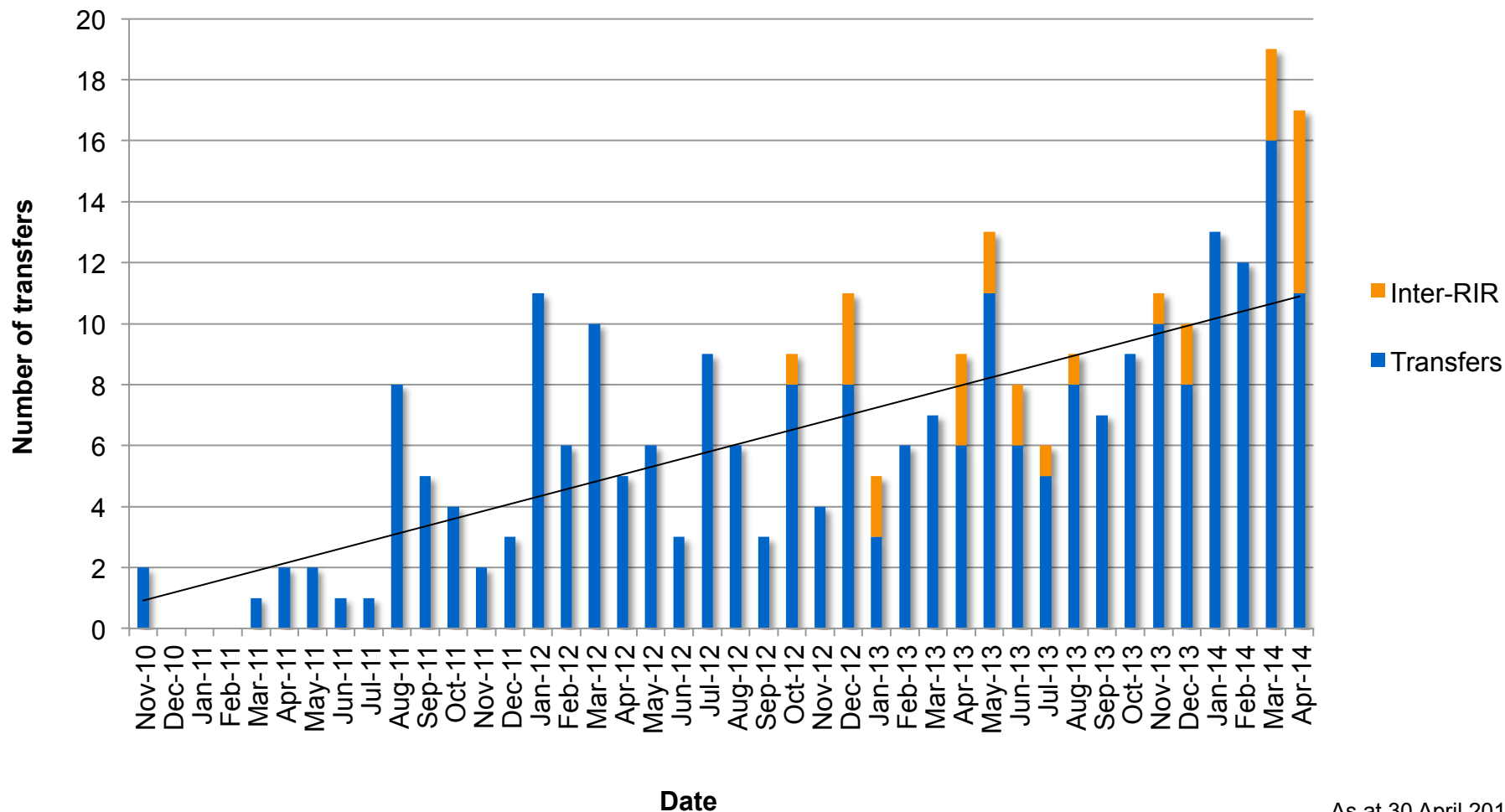


IPv4 Last /8 Delegations

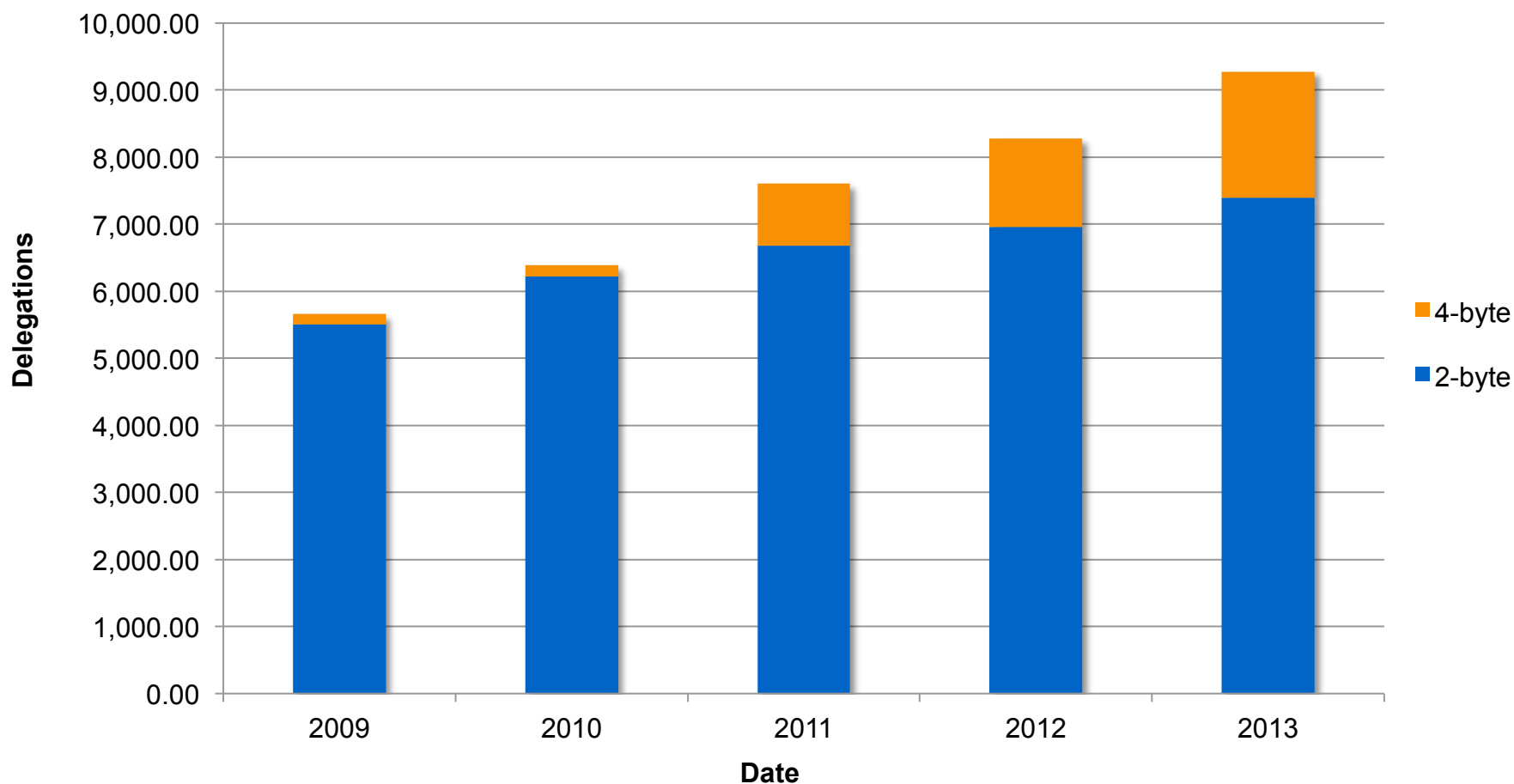


As at 30 April 2014

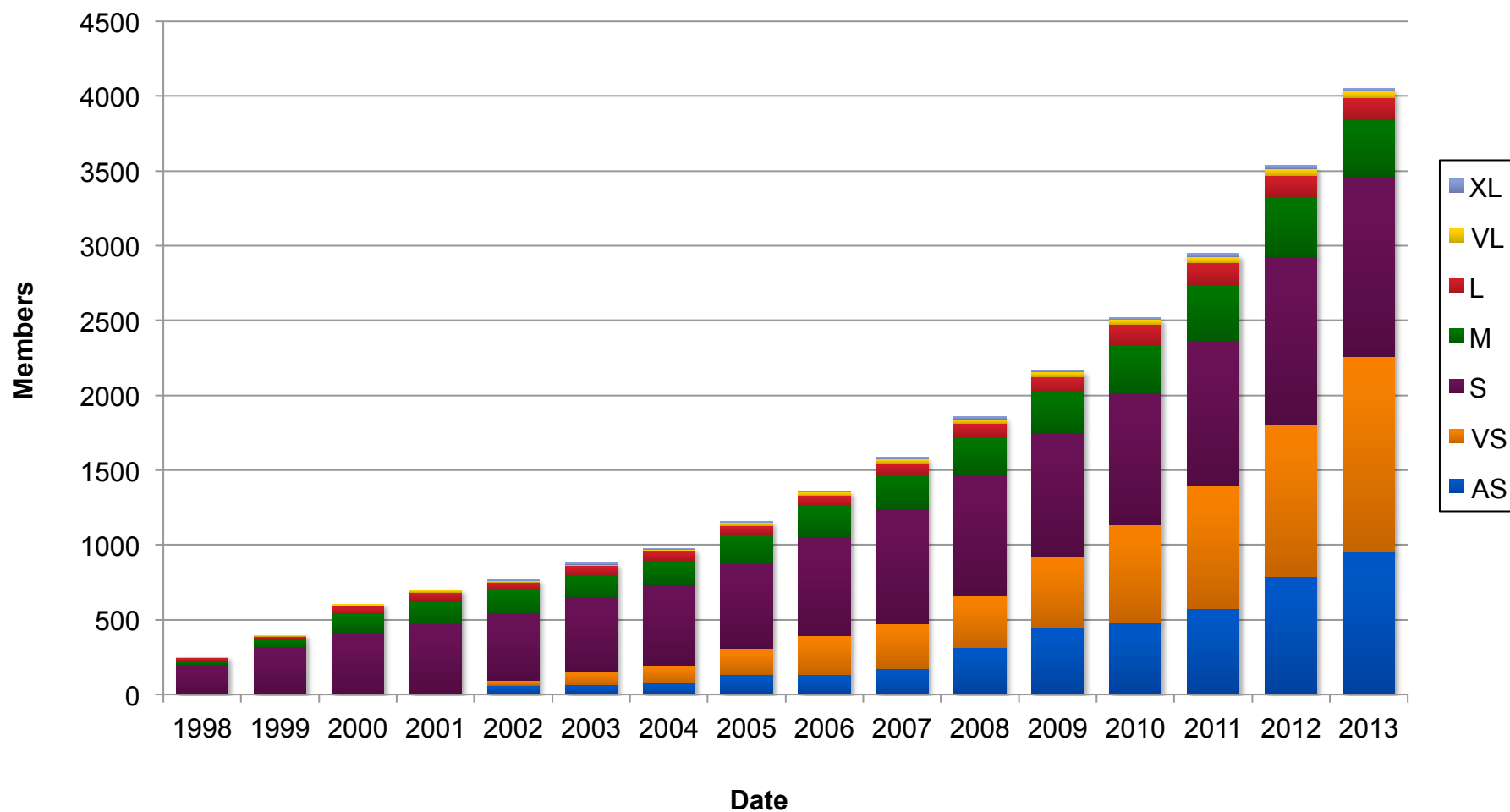
IPv4 Market Transfers



Cumulative ASN Delegations



Membership Growth



Supporting Internet Development in the Asia Pacific Region

- Policy development
- IPv6 support
- Training
- APNIC Events
- Infrastructure capacity building
- Information Society Innovation Fund (ISIF Asia)

“Provide information, training, and supporting services to assist the community in building and managing the Internet”

“Support critical Internet infrastructure to assist in creating and maintaining a robust Internet environment”

“Facilitate regional Internet development as needed throughout the APNIC community”

Policy Update

Implemented

- 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)

IPv6 Support

Outreach

- ASEAN ICT SMEs Conference, Hanoi
- IPv6 Event by ISOC HK, Hong Kong
- ICANN 49, IPv6 Roundtable, Singapore
- Global IPv6 and Next Generation Summit 2014, Beijing
- APEC TEL 49

APIPv6TF

- Asia Pacific IPv6 Task Force
- APNIC continues to provide Secretariat services
- Met at APNIC 36 and APRICOT 2014/APNIC 37

IPv6 for Decision Makers

- White paper published
- www.apnic.net/ipv6-decision-makers

www.apnic.net/ipv6

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

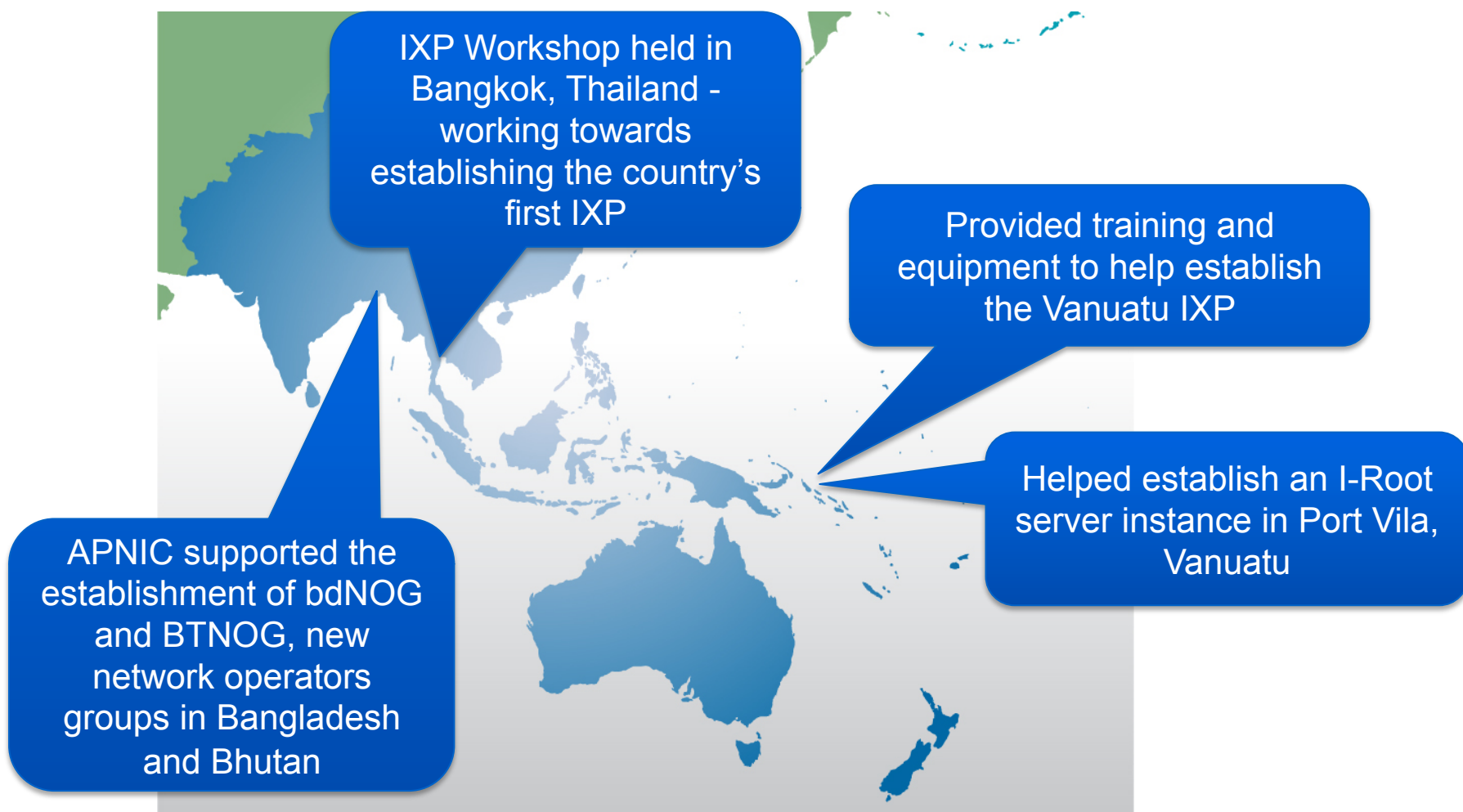


APNIC Events

- APNIC 36: Xi'an, China
 - Total on-site delegates: 251
 - Total remote participants: 409
- APRICOT 2014/APNIC 37: Petaling Jaya, Malaysia
 - Total on-site delegates: 466
 - Total remote participants: 262
- NEW: APNIC Regional Meetings (ARM)
 - Free one-day events
 - ARM 1 with MyNOG 3 in Kuala Lumpur on 29 November 2013
 - ARM 2 - in conjunction with Internet20PH on 4 April 2014 in Manila
 - ARM 3 – with bdNOG on 24 May in Dhaka



Infrastructure Capacity Building



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

Seed Alliance

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

Collaborating with the Internet Community

- APNIC Labs
- Strategic Engagement
- Internet cooperation

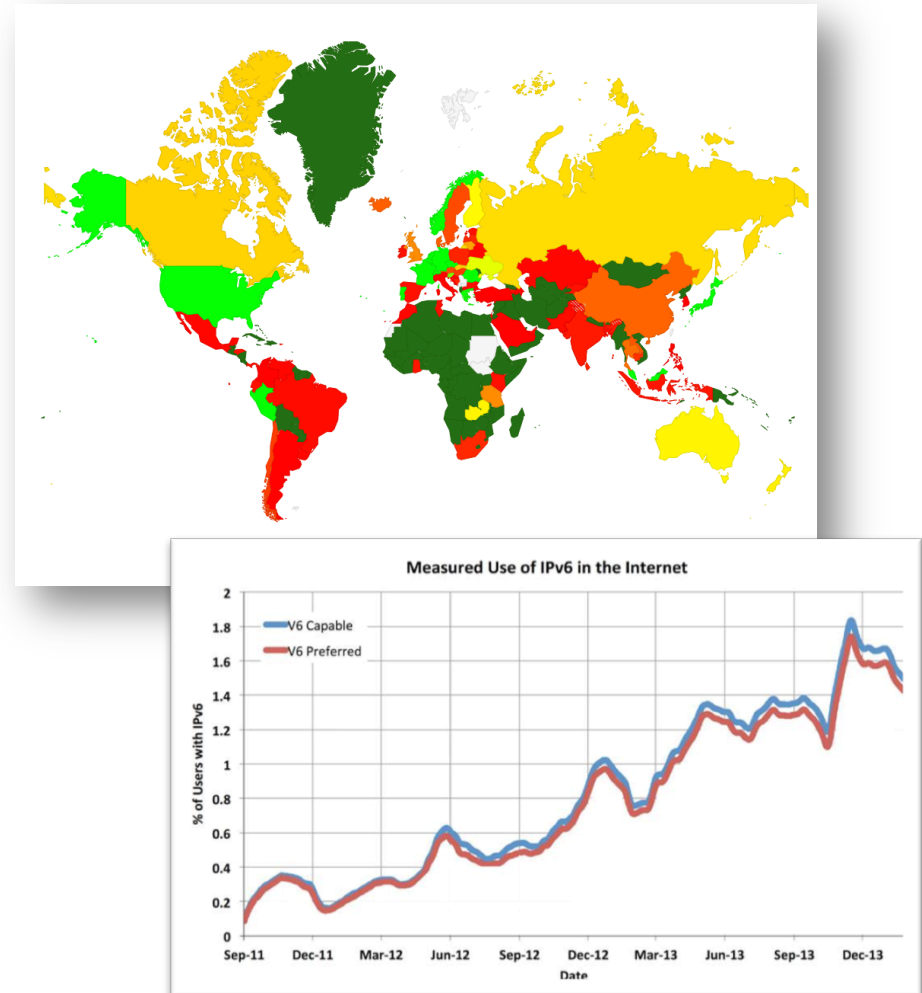
“Provide leadership and advocacy in support of APNIC’s vision and the community”

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

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Strategic Engagement

Technical community

- NOGs, NIR OPMs, I*, CERTs, ISOC Chapters, PACINET, PICISOC, PTC

Governmental

- APEC-TEL 47 and 48, ITU WTPF, APT, WSIS+10, ITU Connect Asia Pacific Summit, ITU Telecom World 2013, APEC TEL 49, NETmundial

IGF

- National IGFs (Nethui, auIGF), APrIGF
- Bali IGF - significant support given for fundraising and logistics

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

survey.apnic.net

You're Invited!

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



- APRICOT 2015: Fukuoka, Japan, 24 Feb-6 Mar 2015



THANK YOU



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