APNIC Update

15 May 2015

Paul Wilson

APNIC

APNIC's Vision

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

APNIC in 2014
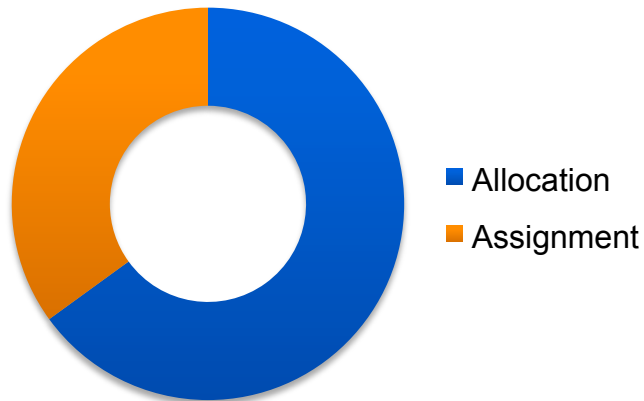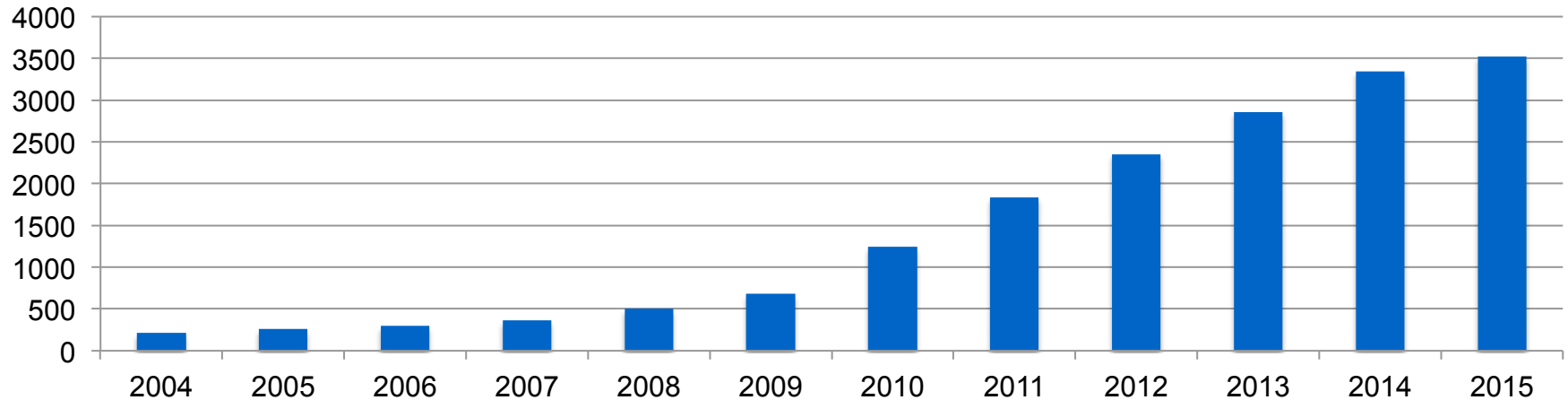

Serving

Supporting
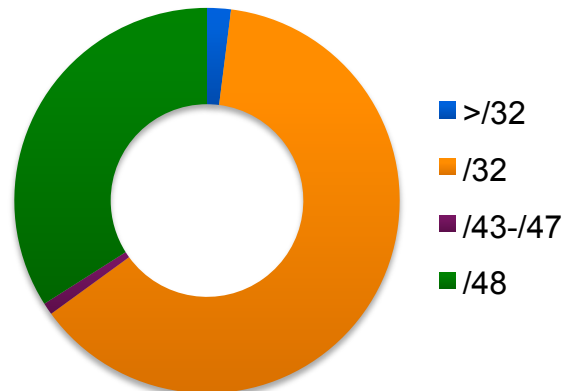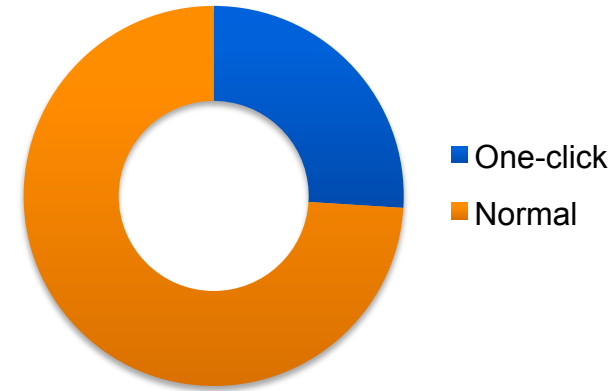
Collaborating

IPv6 Delegations

Bar chart of IPv6 delegations by year:
- 2004
- 2005
- 2006
- 2007
- 2008
- 2009
- 2010
- 2011
- 2012
- 2013
- 2014
- 2015

Y-axis: 0, 500, 1000, 1500, 2000, 2500, 3000, 3500, 4000

By delegation type
- Allocation
- Assignment

By size
- >/32
- /32
- /43-/47
- /48

By request type
- One-click
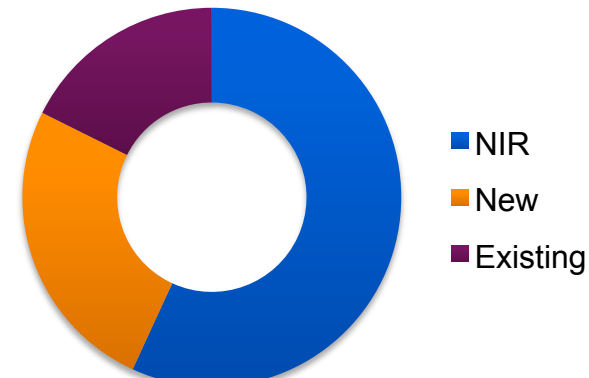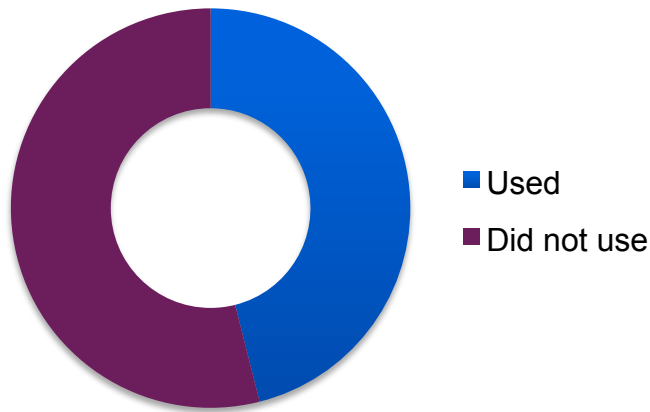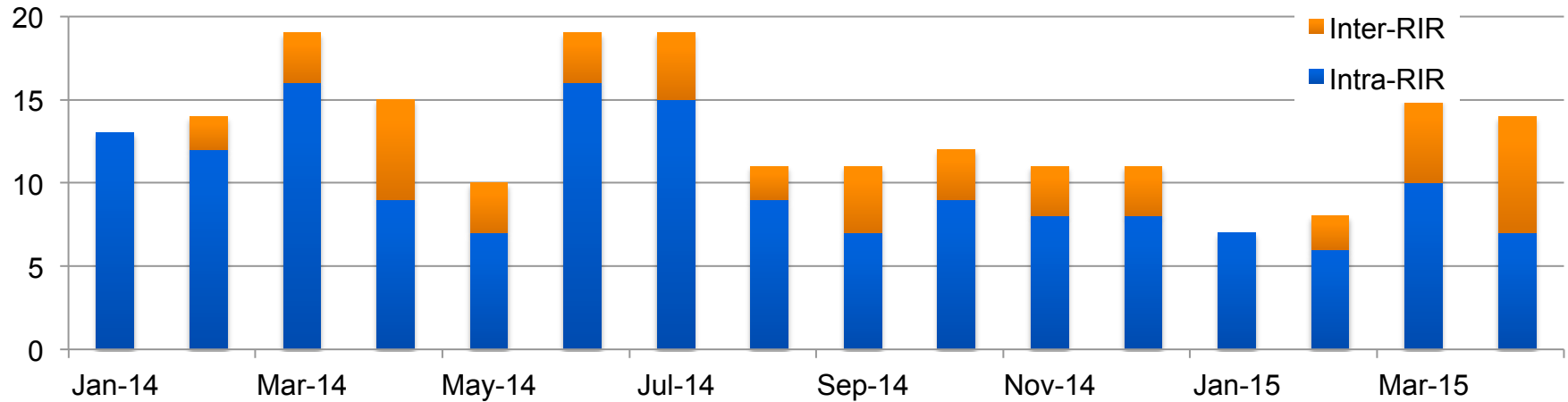- Normal

As at 30 April

APNIC

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IPv4 Delegations
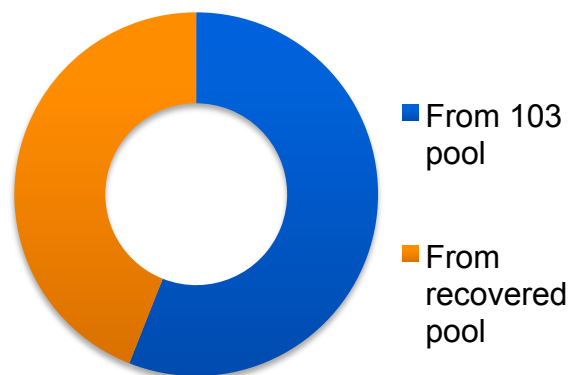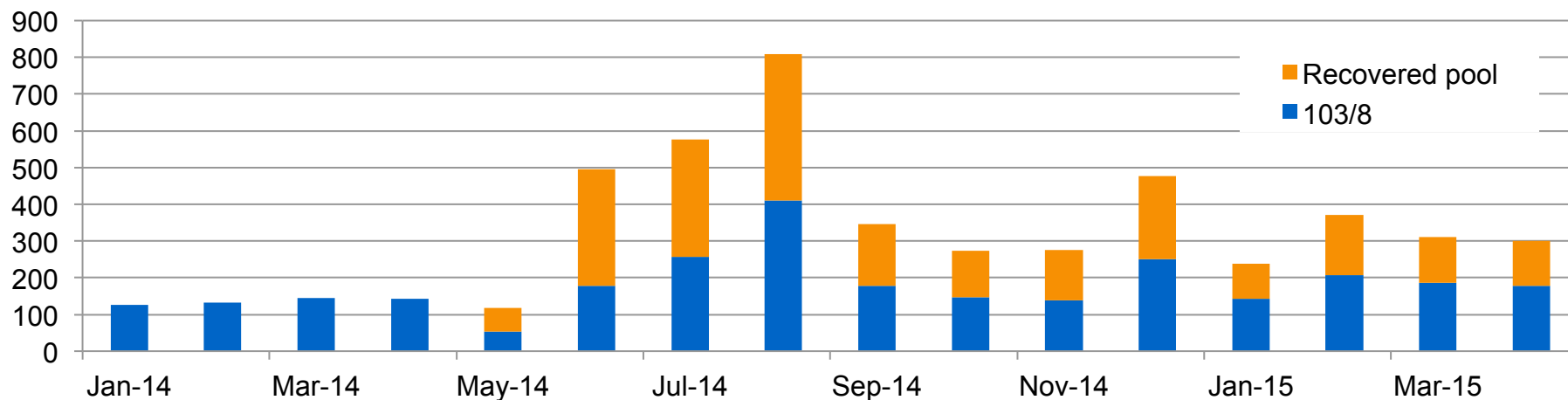
By pool
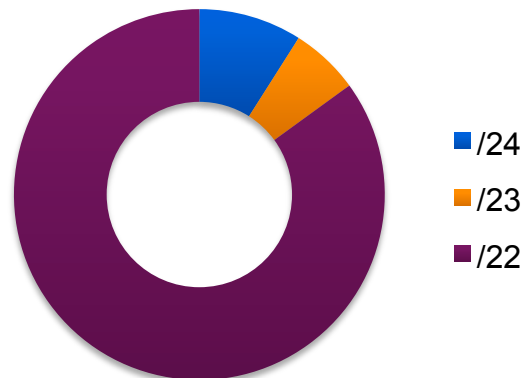
By size

By Member

As at 30 April

IPv4 Transfers

Using listing service
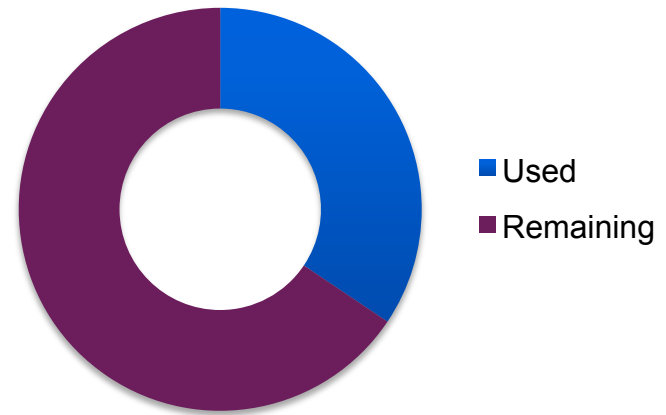
Pre-approval usage

As at 30 April

ASN Assignments
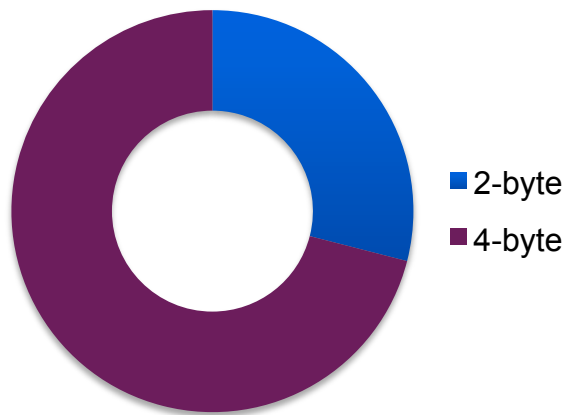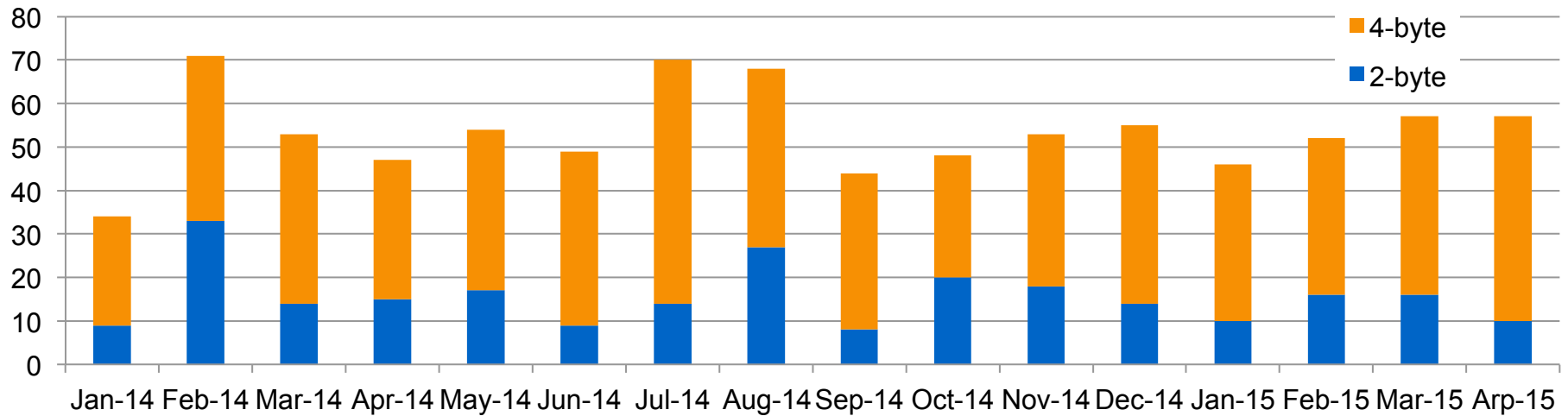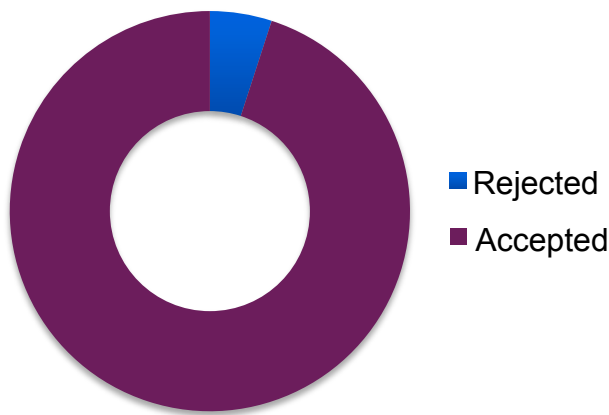
By type · 4-byte return rate · Global ASN use
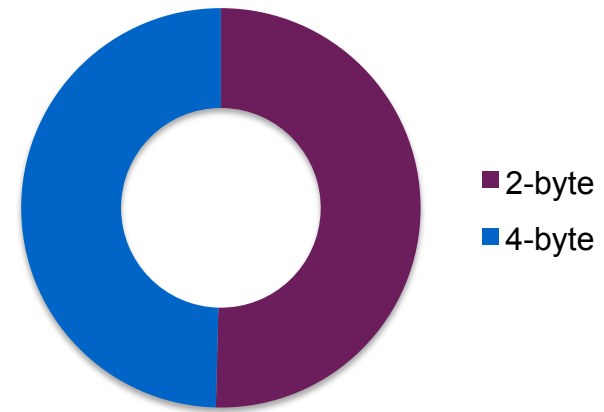
As at 30 April

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APNIC Membership
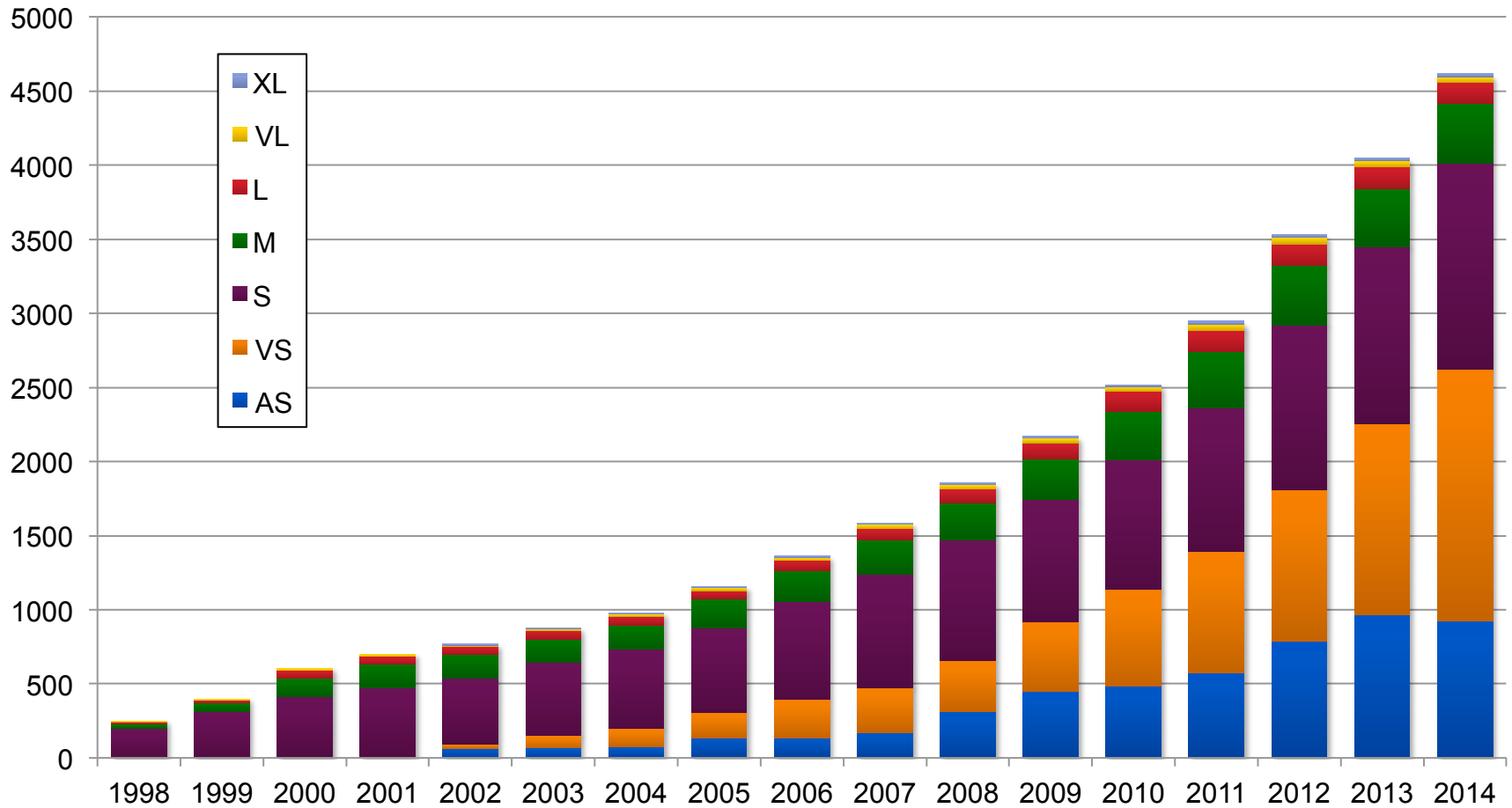
As at 31 December

Total NIR Sub-Accounts
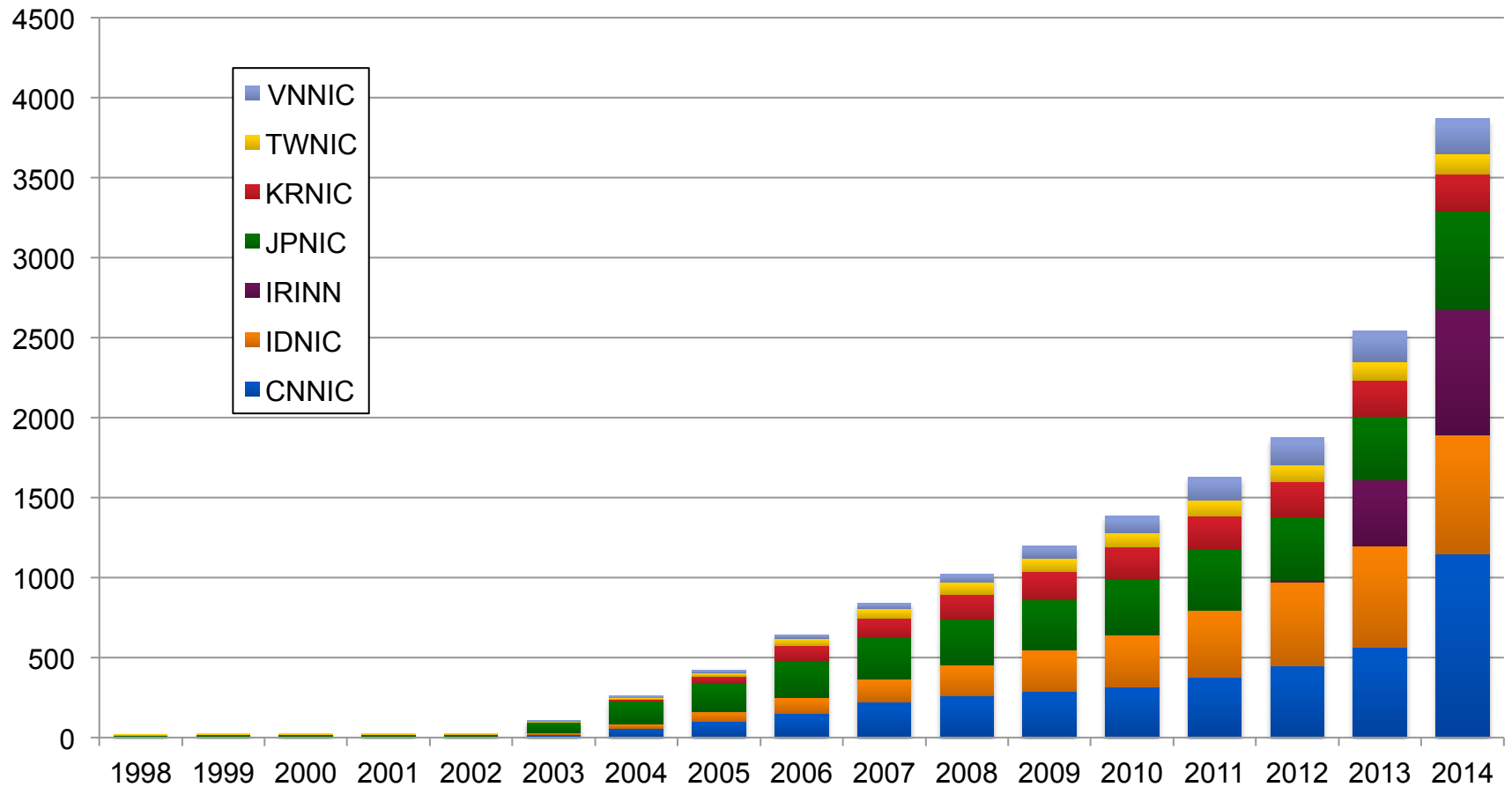
As at 31 December

Distributed Whois

Deployed distributed Whois service to improve responsiveness and resilience

4 servers now operating:
Brisbane, Tokyo, London, Fremont

Response times have improved up to 10x for majority of users

Multiple sites to sink attack traffic without bringing the service down
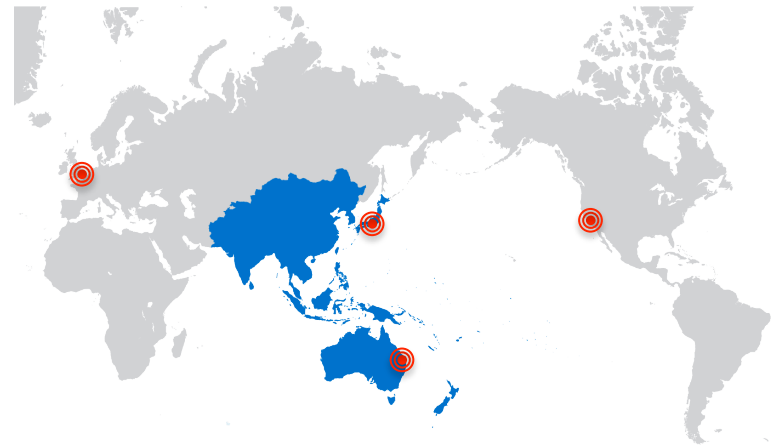
Distributed Whois
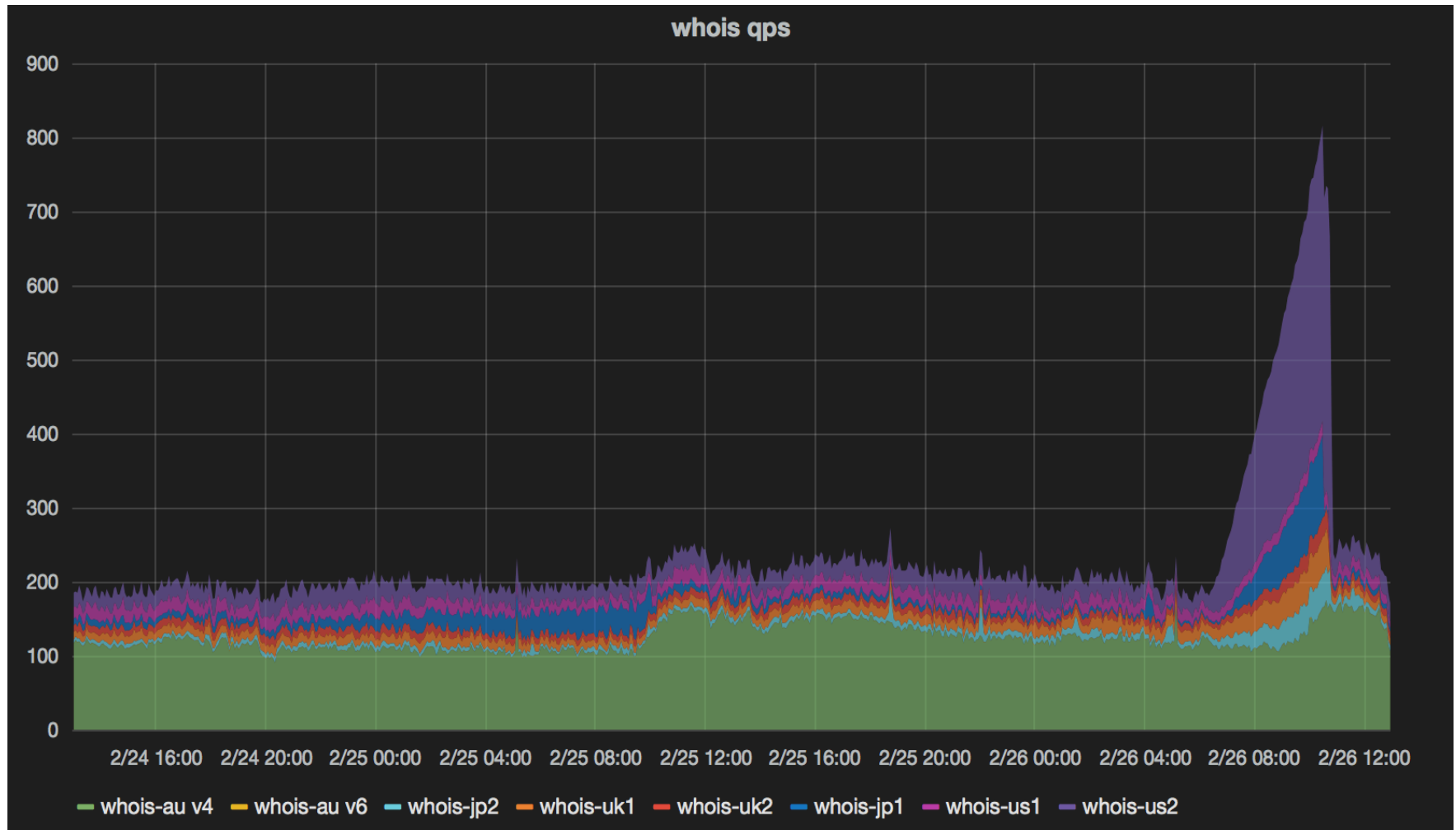
Distributed Whois

Improved System Architecture

MyAPNIC   WHOIS   RPKI
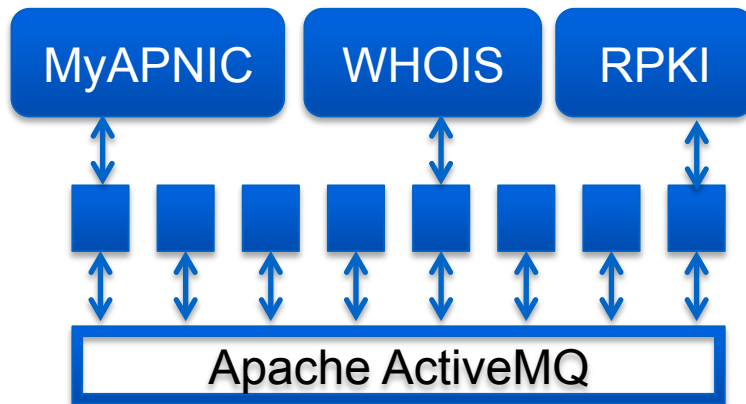
Apache ActiveMQ

Based on Message Bus integration pattern

Deployment on Linux (CentOS)
Java 7 development environment
Apache ActiveMQ inter-process communications

Increased responsiveness provides improved user experience
Faster development cycles for new feature requests

Supporting Infrastructure

VMware virtualization
for increased reliability
(175+ machines)

Deployment of Puppet
Configuration Management
for centralized synchronization
and updates

DRP audit and exercising

Accountability & Transparency
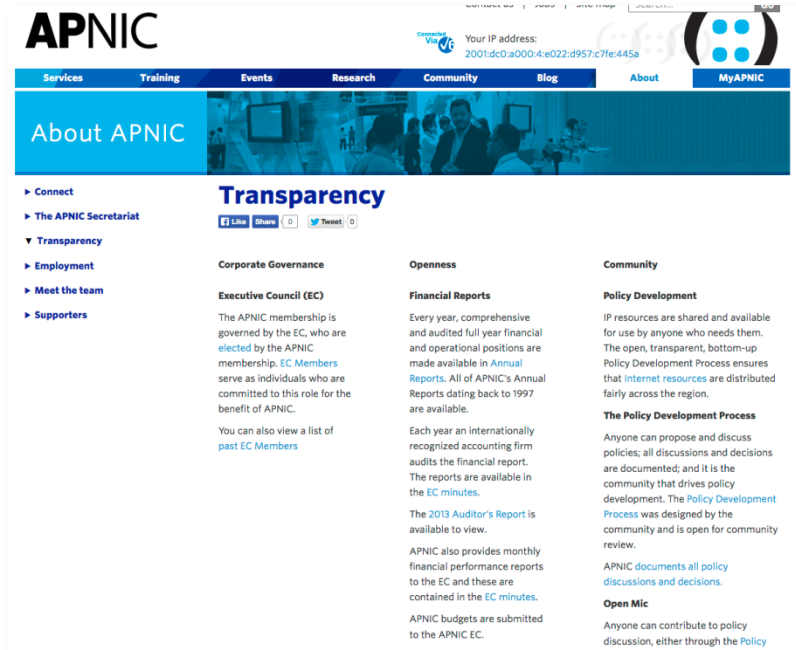
Transparency web page updated

RIR accountability matrix

Improved internal financial audit process established

Appointment of new external financial auditors

ISO9001 external audit – passed!

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

Clearer account of planned activities and resource allocation

APNIC in 2014

Serving

Supporting

Collaborating

Policy Development
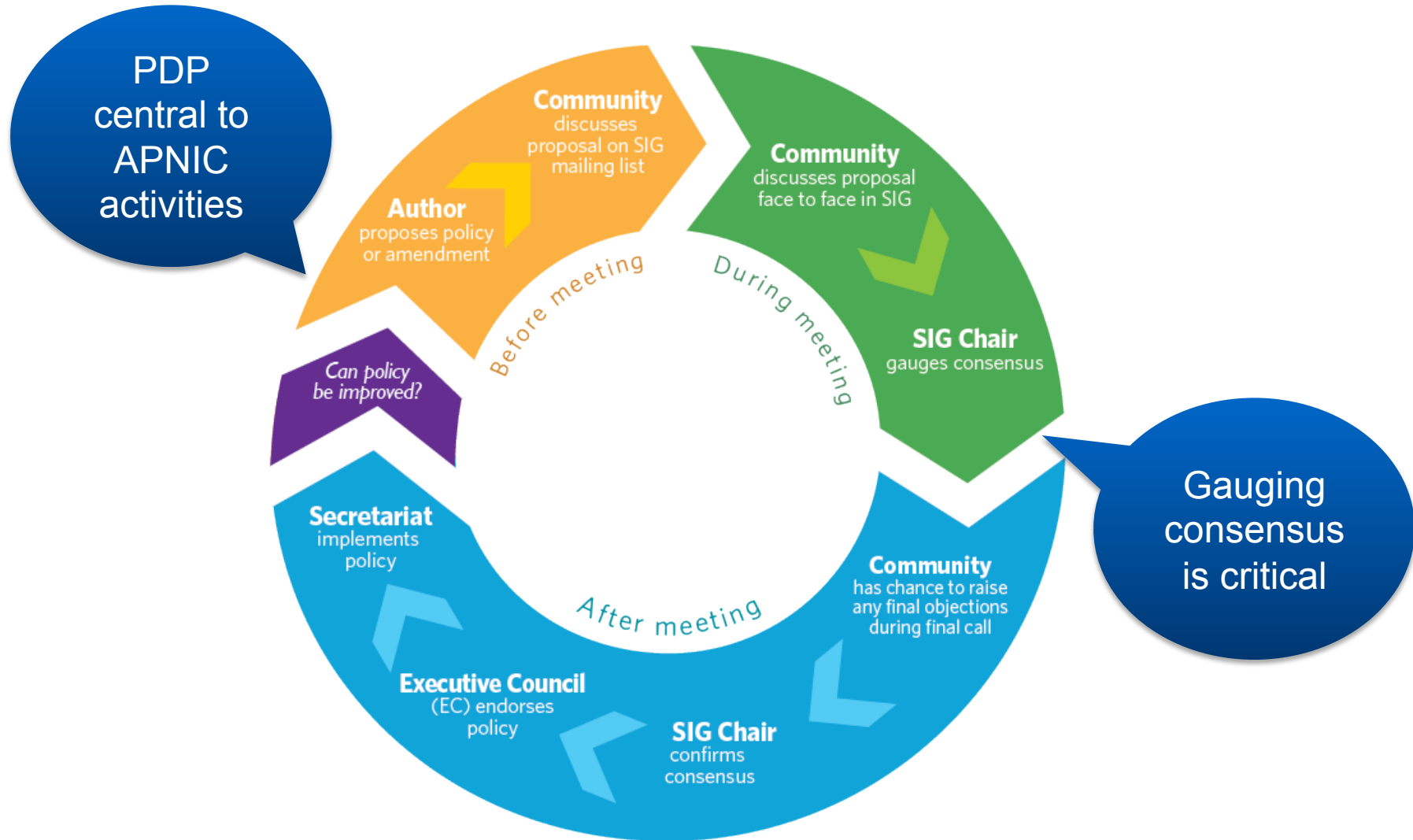
2014 Policy Implementations

16 April — prop-107: AS number transfer proposal

7 May — prop-109: Allocate 1.0.0.0/24 and 1.1.1.0/24 to APNIC Labs as Research Prefixes

27 May — prop-105: Distribution of returned IPv4 address blocks (Modification of prop-088)

CONFER: Consensus Tool

The proposal under discussion is PROP-123.

"This is a test proposal for demonstration purposes"

Please select a radio button to indicate your response to the proposal.
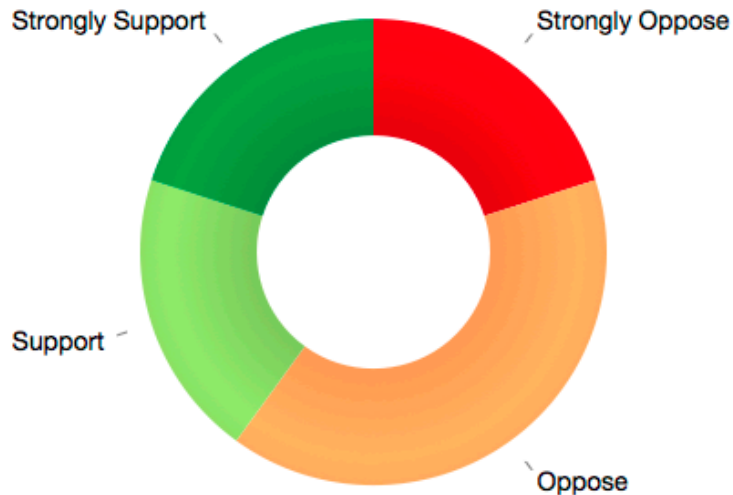
Captures participants' views in real time

Piloted at APNIC 38

Supporting tool for future SIGs

APNIC Events 2014

Map markers: ARM 3, ARM 5, ARM 4, ARM 2, APRICOT 2014, ARM 6, APNIC 38

Mix of small and large regional meetings to effectively reach Members

Improved video and social media coverage

Expanded community meetings at APNIC 38: APTLD, Pacific Workshop, ISOC

Member visits to Brisbane office as part of APNIC 38 experience

'Meet the EC' social event introduced

Training

76 face-to-face courses held in 29 locations

2,352 professionals trained face-to-face

534 professionals trained via 141 eLearning sessions

Video archives
63 videos
177,993 views

APNIC

NOGs

Expert training to build skills

Knowledge sharing on IPv6, network security, transfers

APNIC Hostmaster support to answer Member queries

Financial/logistical support where needed

BTNOG 1

SANOG 24

IPv6

ITU/APNIC IPv6 Workshop. Lao

686 professionals trained in 16 economies
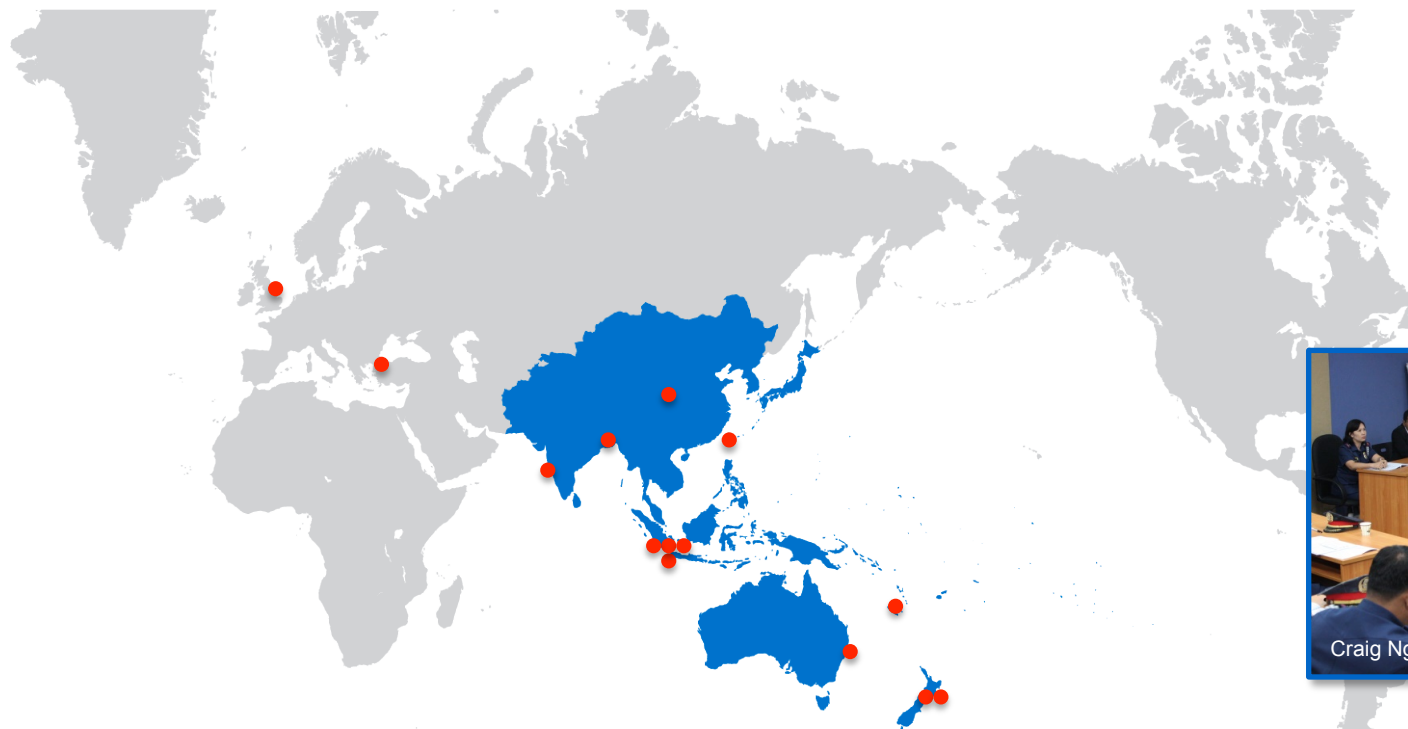
Presented at 24 industry events

Generated 26 pieces of IPv6 media coverage

Joint IPv6 workshops with ITU

Continuous support to APIPv6TF

Security Outreach

Adli Wahid

Craig Ng

Participation in NOGs, CSIRTS and LEA events to educate and learn

Training for Pacific LEAs held in NZ, Brunei and Indonesia

Promoting new initiatives & security best practices among Members

RPKI

10 face-to-face and elearning RPKI training courses delivered

RPKI presentations to NOGs and conferences

Development of the 'Ready to ROA' Campaign – hands on sessions to help Members create ROAs

New shirts, stickers, web content to promote campaign

Ready to ROA launched in 2015

APNIC in 2014

Serving

Supporting

Collaborating

Global Cooperation

IPv6 advocacy

Coordination with RIRs and Internet organizations

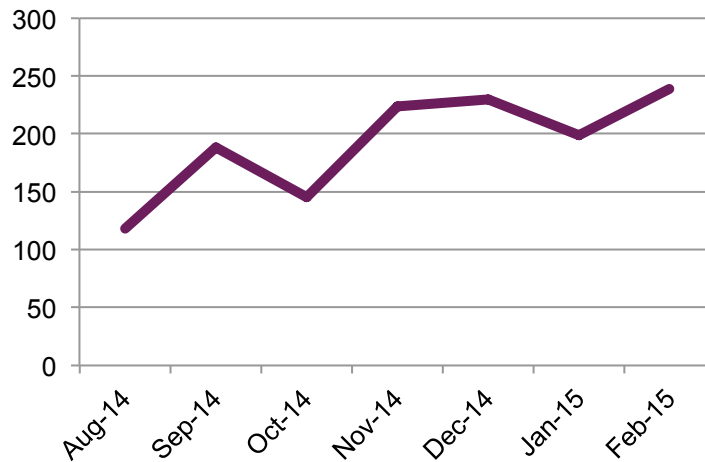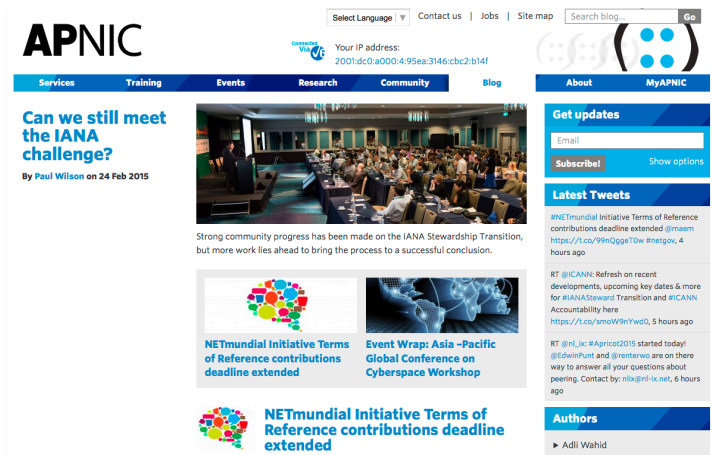Engaging with government agencies in training and skills development

Supporting IANA Stewardship Transition

Promoting the RIR model

APNIC

Engagement map 2014

Training
NOGs
Events
IPv6
Security
Cooperation

blog.apnic.net

APNIC Blog launched in August 2014 to simplify APNIC communication

Simple and more engaging format

Total of 232 Posts

33 bloggers – including 12 guest community bloggers

39,000+ views – ave 239/day

Improving Communication

'Event wraps' for clear reporting of APNIC event activities

More active social media
Twitter: 1,182 new followers (↑ 45%)
Facebook: 163,438 people reached organically (↑ 126%)
Weibo: established 2014

Updated APNIC video library
YouTube: 10,605 views (↑ 84%)

Website refresh – more to come!

You're Invited!

APNIC **40**

JAKARTA, INDONESIA
3-10 September 2015

#apnic40

APNIC 40, Jakarta, Indonesia
3-10 September 2015

conference.apnic.net/40

Thank you

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APNIC