

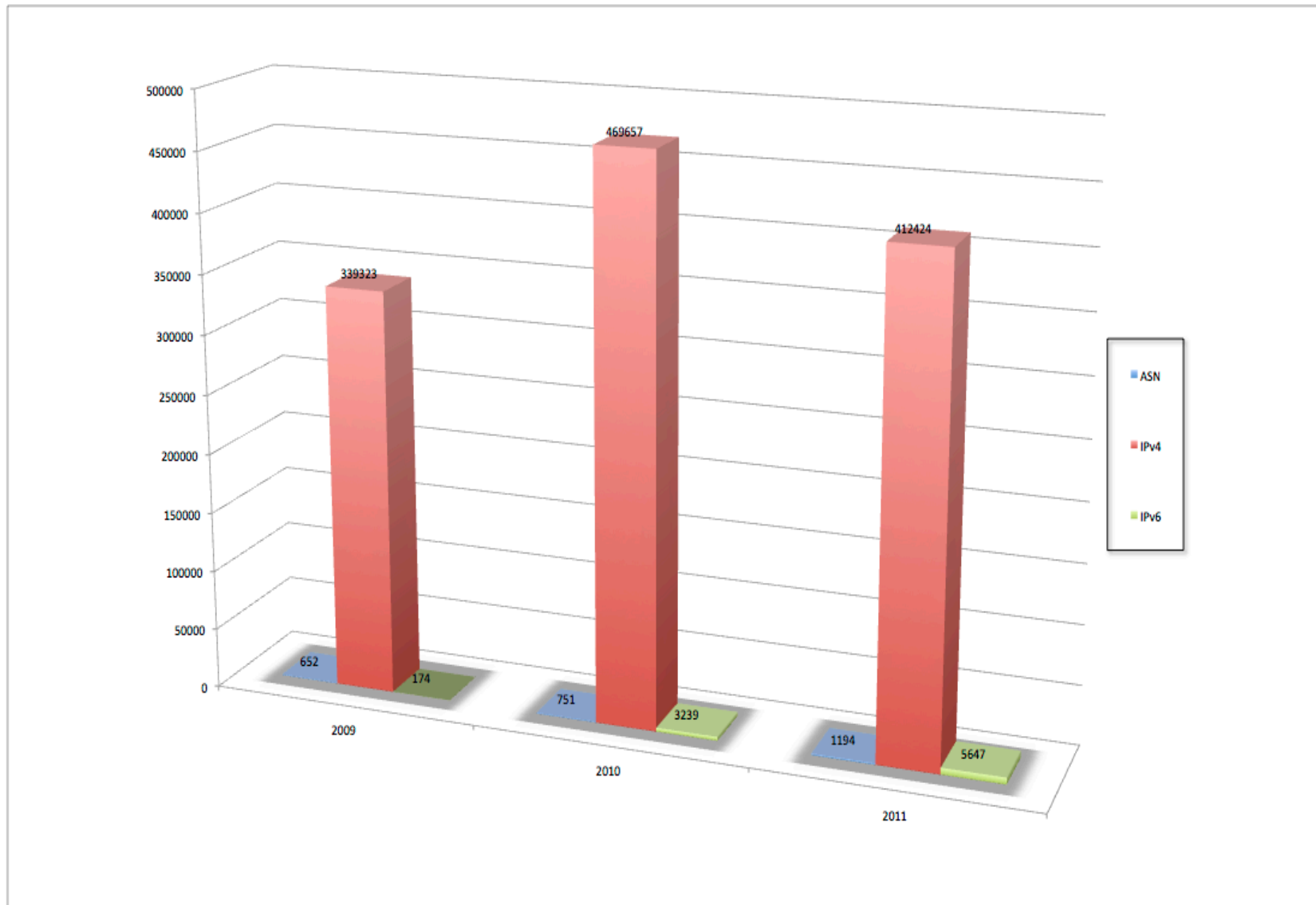
MyNOG 01

APNIC Update

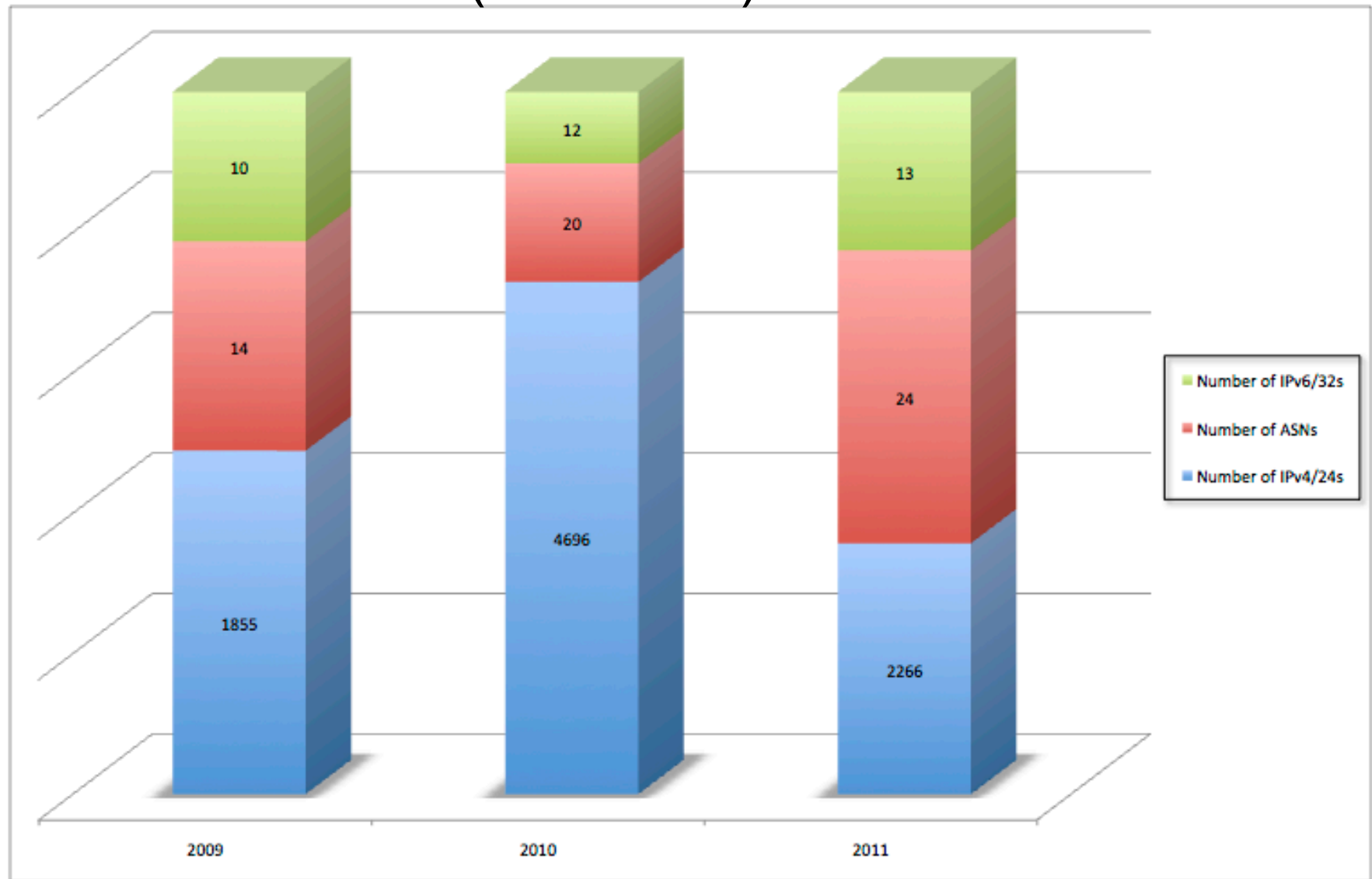
Anna Mulingbayan
Senior Internet Resource Analyst/
Liaison Officer, South East Asia, APNIC



IP address and ASN delegation in the AP region (Dec 2011)



IP address and ASN delegation in Malaysia (Dec 2011)



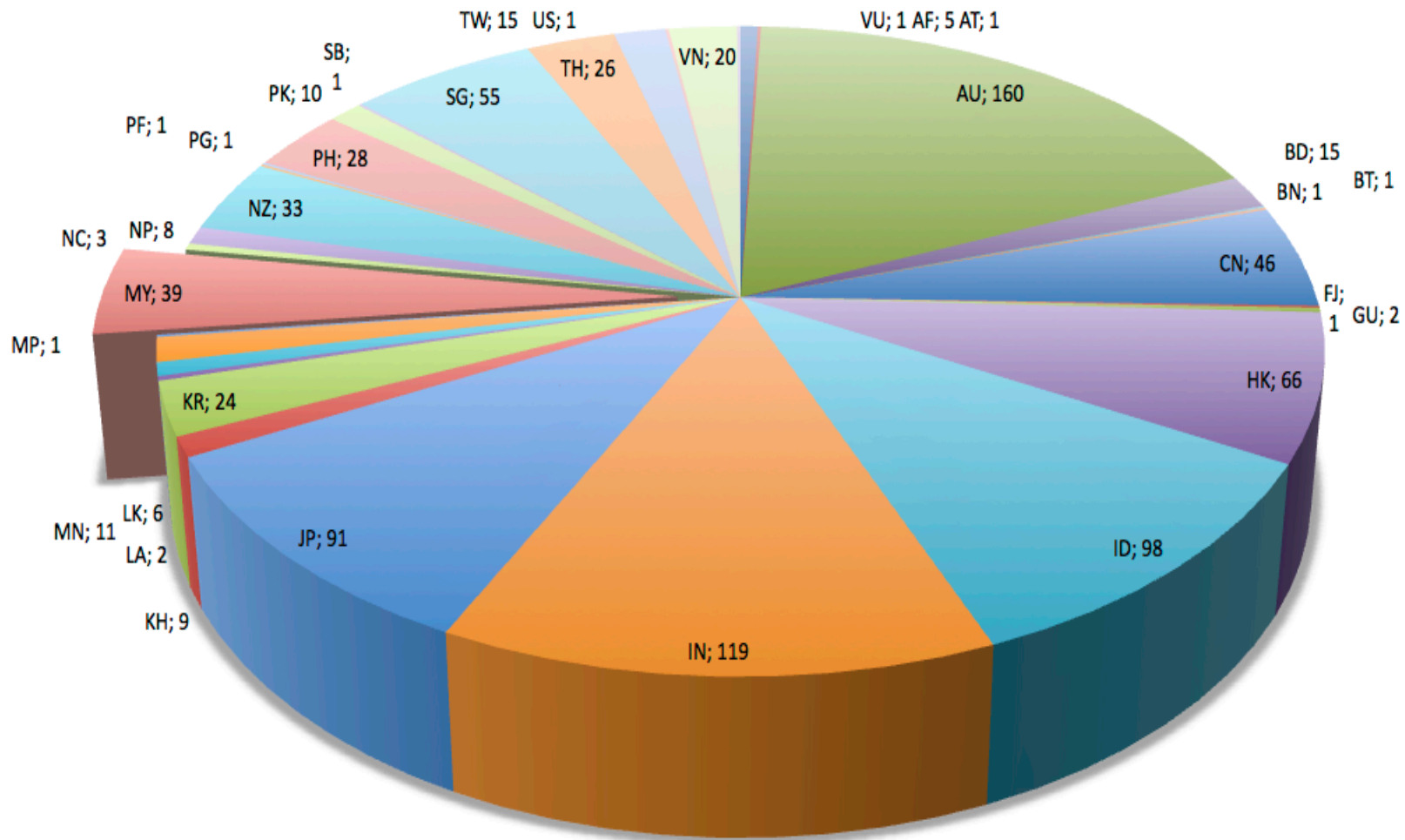
IPv4 exhaustion

- Reached “Final /8” on 15 April 2011
 - 103.0.0.0/8
- New allocation policy activated
 - Limited to a single maximum delegation of /22
 - Minimum delegation size is a /24
- From 15 April to 11 January 2012, made 901 delegations to 32 economies



Last /8 Delegations

(11 Jan 2012)



Policies implemented in 2011

- prop-088: Distribution of IPv4 addresses once the final /8 period starts
- prop-093: Reducing the minimum delegation size for the final /8 policy
- prop-094: Removing renumbering requirement from final /8 policy



Policies at APNIC 32

- Consensus...
 - prop-096: Maintaining demonstrated needs requirement in transfer policy after the final /8 phase
 - Endorsed by APNIC EC, 3 Nov 2011
- No consensus – returned to mailing list
 - prop-100: National IP address Plan – allocation of country-wide IP address blocks
 - prop-099: IPv6 reservation for large networks
 - prop-098: Optimizing IPv6 allocation strategies (simplified)



Learning and Development

- New Area: Director, Philip Smith
- Training Lab
 - Infrastructure upgraded
 - Workshops on IPv6, four-byte ASNs
 - More hands-on sessions
- Collaborations
 - 6Deploy, intERlab, NIRs (ID, TW, CN)
- APNIC Conference Hubs
 - Jakarta and Port Moresby (Feb 2011)
 - Phnom Penh (Aug 2011)



IPv6 Program

- Major IPv6 events in the region
 - IPv6 Transition Day at APNIC 32 and APRICOT/APAN 2011
 - IPv6 Deployment workshop at ICANN 41
- Supporting regional IPv6 activities
 - Inaugural MyNOG and SGNOG
 - China Global IPv6 Summit 2011
 - Pacific IGF (New Caledonia)
 - Asia Pacific IGF (Singapore)
 - Secretariat for APIIPv6TF



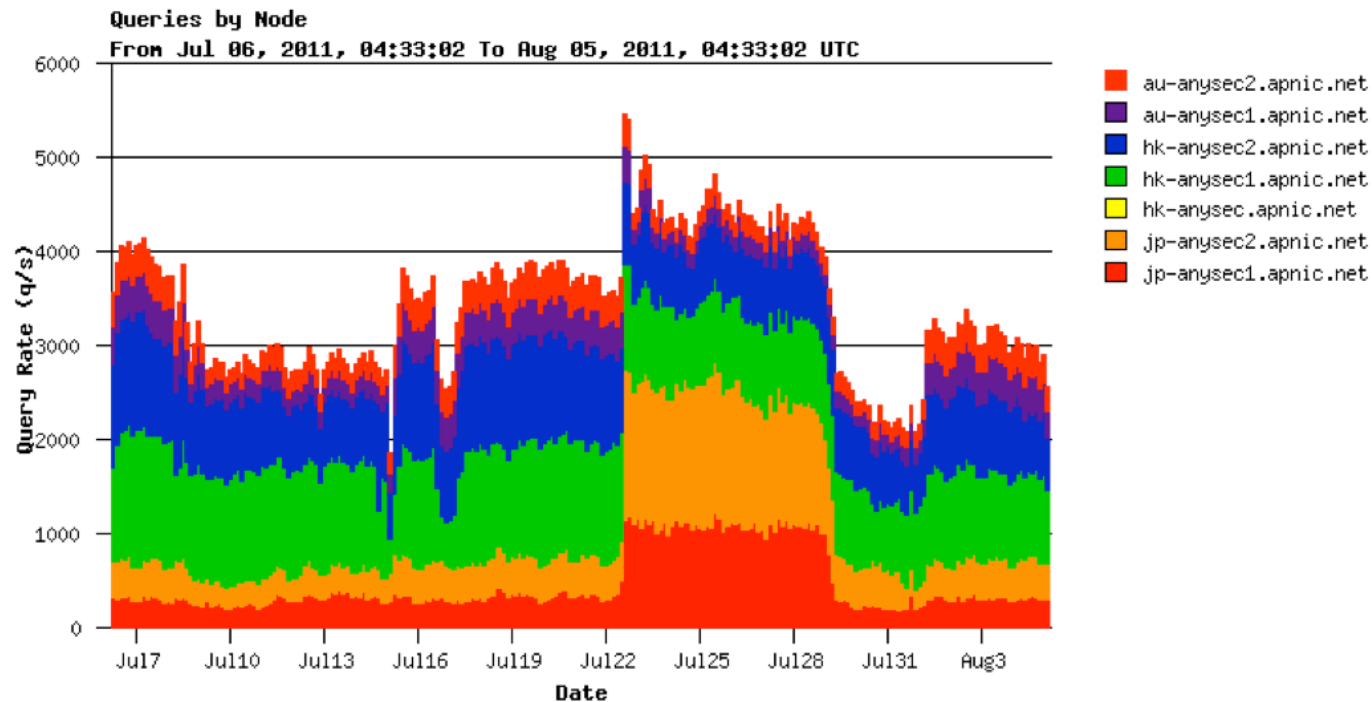
IPv6 Program

- Activities with inter-governmental organizations
 - Asia Pacific Economic Cooperation (APEC TEL)
 - Continuous engagement with IPv6 information
 - Asia Pacific Telecommunity (APT)
 - APT Policy and Regulatory Forum (PRF) and Pacific PRF
 - Secretariat of Pacific Community (SPC)
 - MoU on IPv6 deployment in the Pacific
 - Pacific ICT Ministers Meeting
 - APNIC's recommendations in the ministerial communiqué
 - ITU Asia Pacific collaboration
 - IPv6 capacity-building workshop



Technical Area

- APNIC now serving e.in-addr-servers.arpa and e.ip6-servers.arpa. labels



Agile



APNIC Labs

- Supporting R&D with remote measurement techniques
 - Software expertise provided for client-side IPv6 capability measurements
- Google analytics measurements for IPv6 client capability targeted at website owners
- <http://labs.apnic.net>



DNSSEC

- 3 May 2011, DS records submitted to IANA
 - Allows validation to occur from root down to APNIC's reverse zones
- Users can update reverse DNS DS record through MyAPNIC
 - Single zone via whois domain objects
 - Multiple zones via zone file upload



Public Affairs

- IGF related events
 - Second APriIGF in Singapore
 - First PacIGF in New Caledonia
 - APIL in China
- NRO
 - Public affairs coordination
 - Renewal of IANA contract (comments FNOI)
- OECD
 - High-level meeting on Internet Economy



New APNIC Corporate Identity

- New image for a new era
- :: representing our new IPv6 world
- () representing our collaborative community
- Changing icon represents our dynamic and diverse community

APNIC



Coming up...



- APNIC 34
 - Phnom Penh, Cambodia, August 2012
- APNIC 35:
 - Singapore, Singapore, February 2013



Thanks

anna@apnic.net

