# APNIC Update

Geoff Huston

October 2017

RIPE 75

# Activities

Serving APNIC Members

Supporting Regional Internet Development
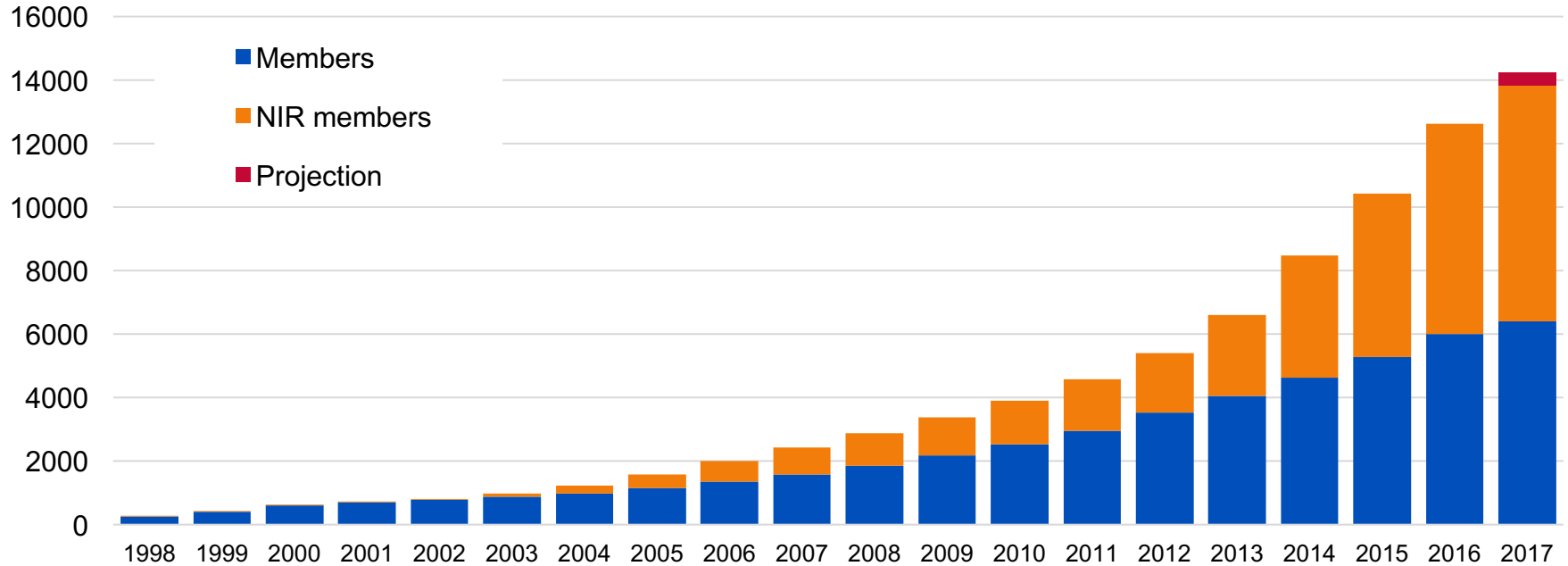
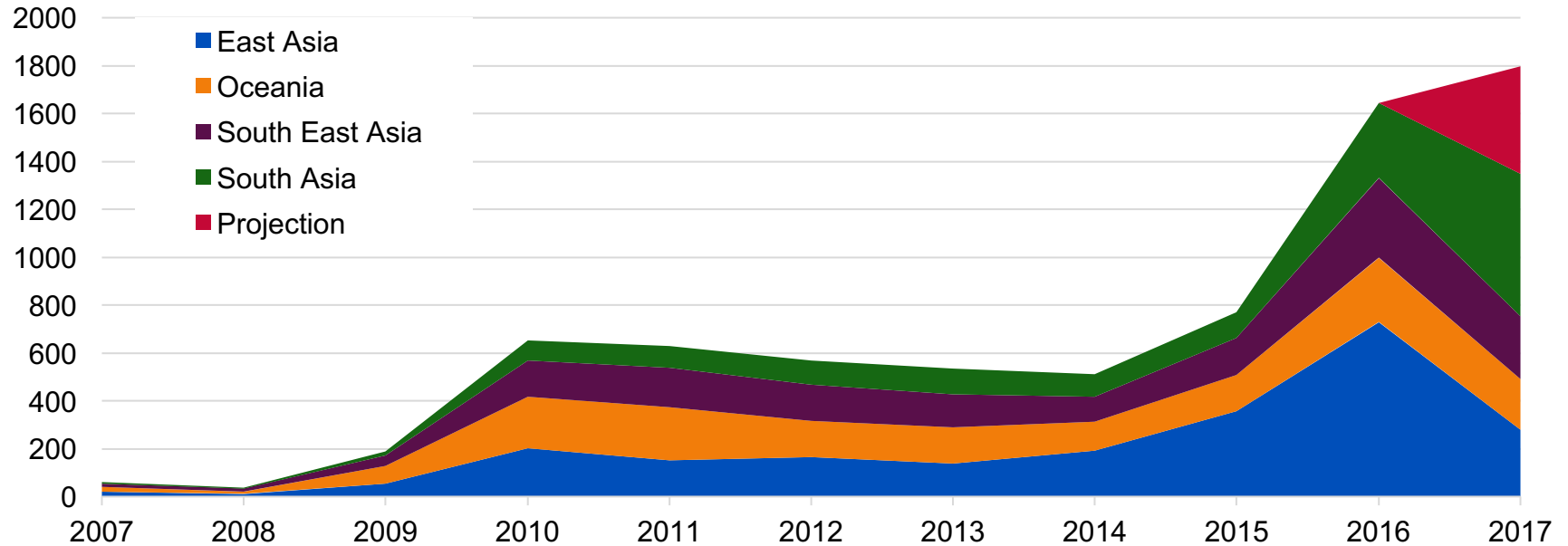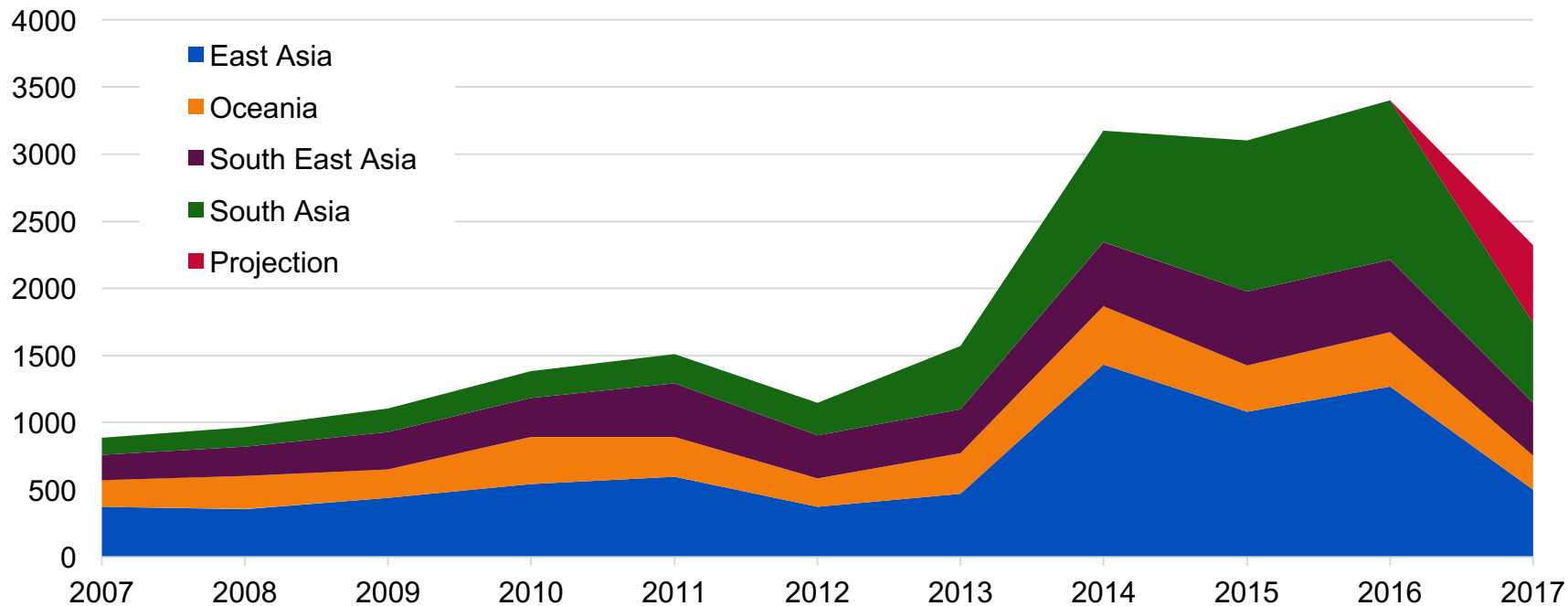Cooperating with the Global Internet Community

# Membership



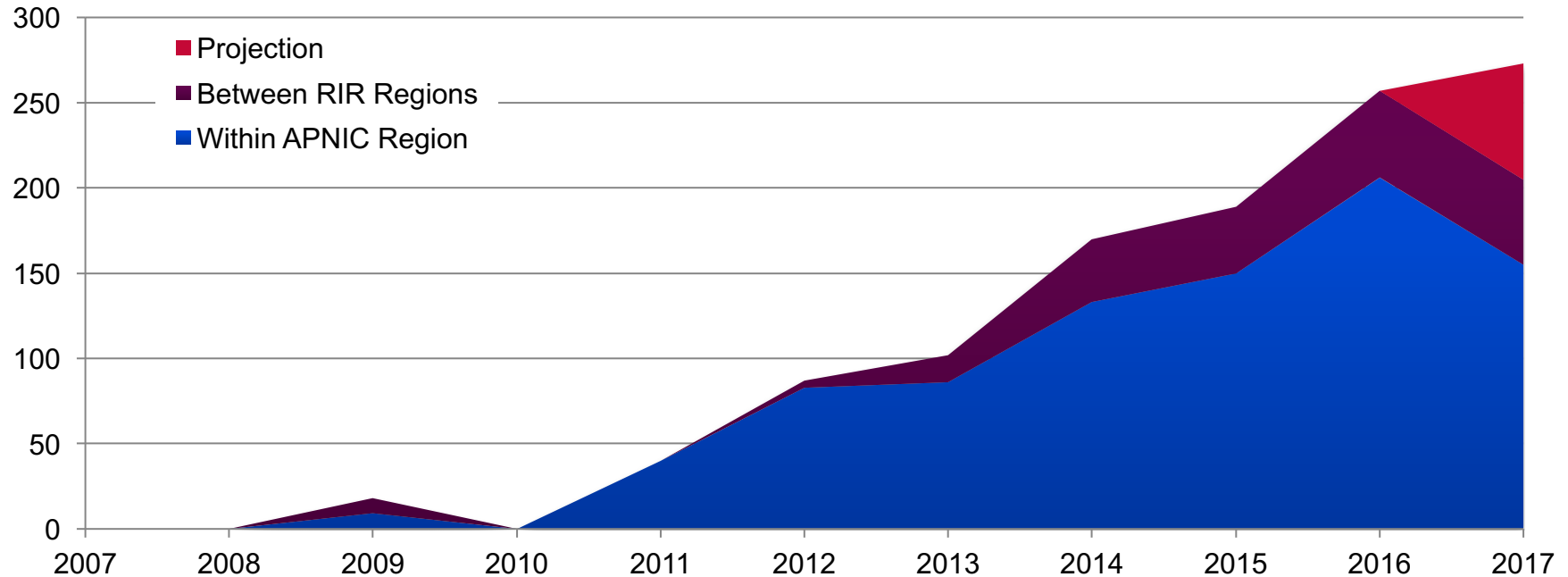As at 30 Sep

# IPv6 Delegations
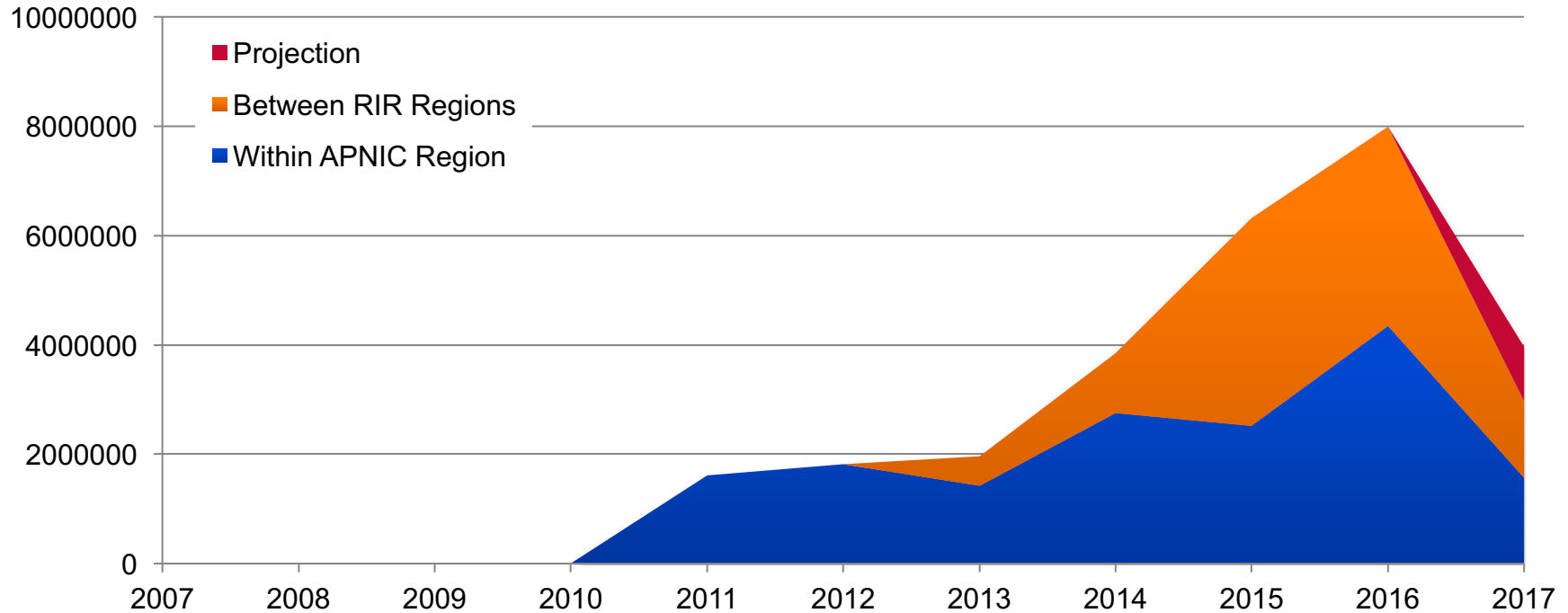
# IPv4 Delegations

As at 30 Sep
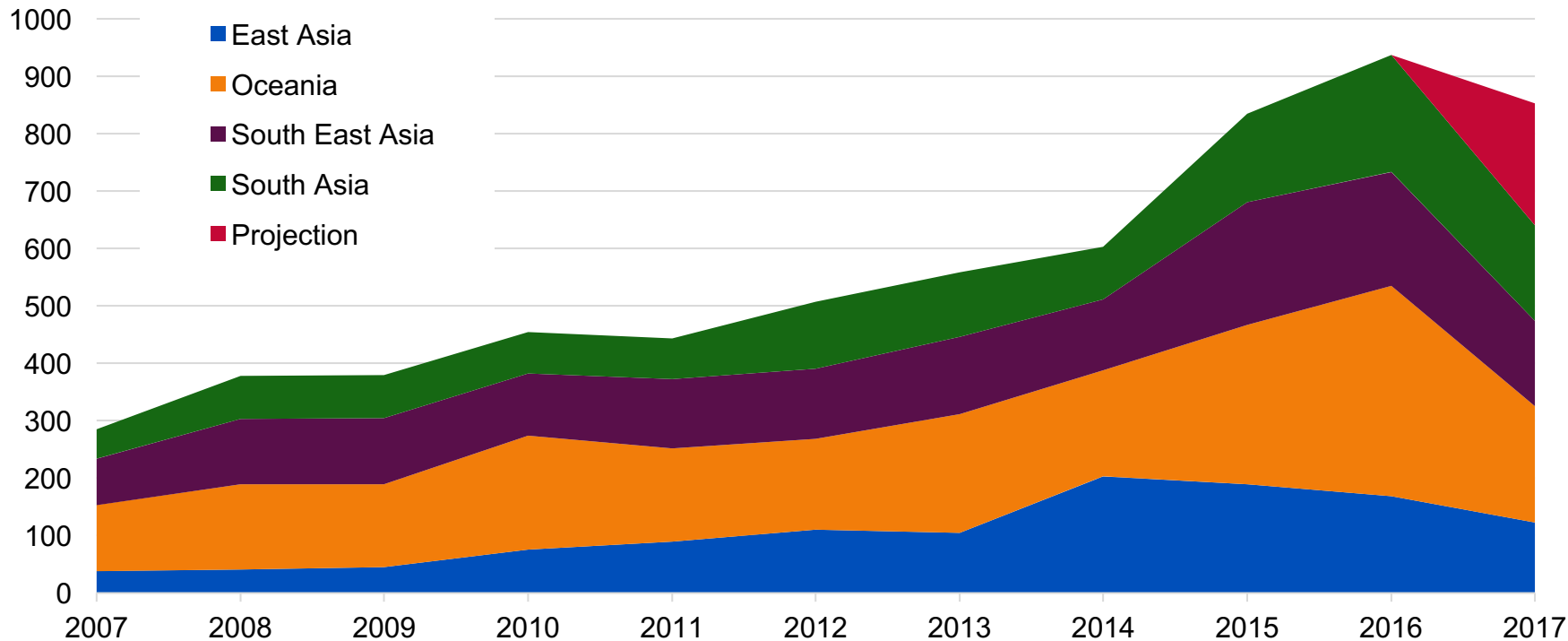
APNIC

# IPv4 Transfers

As at 30 Sep

# Total IPv4 Transferred



As at 30 Sep

# ASN Delegations



As at 30 Sep

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# Training and TA

| | 2017 |
|---|---|
| Face-to-face training | 52 |
|     Locations | 23 |
|     Trainees | 1,763 |
| Community Trainers | 11 |
|     Courses | 14 |
|     Locations | 6 |
| eLearning sessions | 109 |
|     Trainees | 552 |
| Training YouTube videos | 115 |
|     Views | 519,191 |
| Technical Assistance (TA) | 10 |

Training, Laos

training.apnic.net

Updated Courses: IRM, IRR, Network Security, MPLS, SDN, NFV

# apnic.academy


Internet Resource Management — Course


COMING SOON — IPv4/IPv6 Routing — Course


Introduction to CyberSecurity — Course
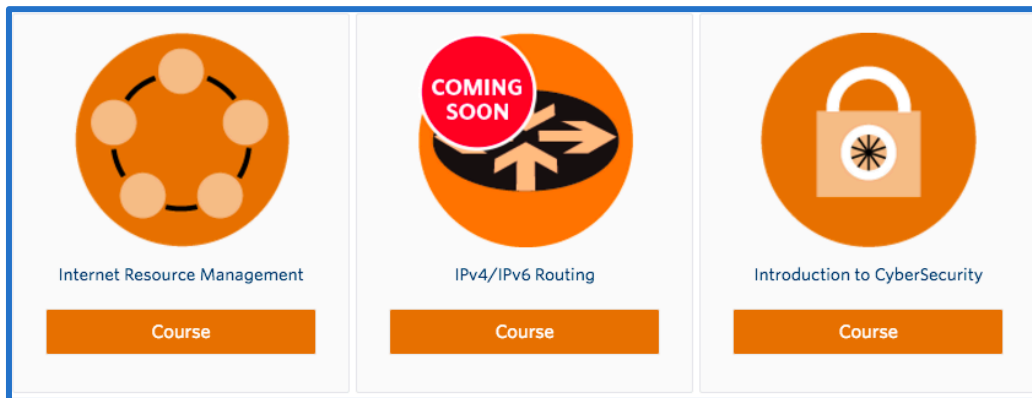
- Launched April 2017 (Moodle)
  - Free public access
- 'Introduction to CyberSecurity' 'Internet Resource Management'
  - Registered:    1,506
  - Enrolled:        1,506
  - Certified:         279
- Coming:
  - IPv4/IPv6 Routing
  - More Security/CERTs

# Community



PacNOG 30, FJ

- NOGs: 18 presentations, Member consults, tech support, sponsorship
- Root servers: J-root installed in NP
  - Sponsorship of "aggressive NSEC caching" in BIND
- RIPE Atlas
  - Anchors in MM, MN, AU, NP, ID, VN
  - 270+ probes distributed
- MoUs
  - Sri Lanka CERT|CC, ISC;
  - KISA, APIA, Netnod
- 48 fellowships for APNIC 44

# Security


Adli Wahid

- 21 NOG and CERT events
- APSIG 2017, APrIGF 2017, ASEAN, KISA, CNCERT, INTERPOL SG
- Tonga CERT.to: Support and training
- CERT support in the Pacific
- FIRST
  - MoU signed
  - Workshops at APRICOT 2017 and APNIC 44
  - Adli Wahid re-elected to Board
- 36 blog posts
- New team member: **Jamie Gillespie**

apnic.net/security

# IPv6



APNIC/ITU IPv6 Workshop 2017, Bangkok

apnic.net/ipv6

- Training: 15 face-to-face with 457 trainees
- eLearning: 20 sessions with 117 trainees
- 8 presentations at regional events
- World IPv6 Day: 6 June 2017
- Joint APNIC/ITU IPv6 Infrastructure Security Workshops in TH and BT
- New IPv6 web pages, case studies
- 62 blog posts

# IPv6 growth

| | 1 Jan 2017 | | 1 Oct 2017 |
|---|---|---|---|
| Members holding IPv6 addresses | 50% | ➡ | 56% |
| IPv6 capability in APNIC region | 7.5% | ➡ | 17% |

# apnic.foundation

- Two staff seconded from APNIC: **Duncan Macintosh, Sylvia Cadena**

- Three Board members appointed: **Edward Tian (CN); Sharad Sanghi (IN); Sylvia Sumarlin (ID)**

- First grant of AUD 100k for cybersecurity in the Pacific

- JICA-funded cybersecurity course launches the APNIC Academy

- Continuing support from Canada's IDRC and ISOC

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# Global Engagement



10th APT Policy and Regulation Forum

- FIRST events
- APT PRF
- GSMA MWC
- ITU-WTDC prep process
- GFCE
- IPv6 at APEC TEL 55, with LACNIC
- DNSSEC KSK Rollover, with ICANN
- APrIGF, APSIG, PKSIG, PacIGF, NPIGF, IGFA
- APASA launch with ICANN, ISOC (AP hubs) and DotAsia

# RIR Collaboration



- RDAP batch extension proposal
- DNSSEC KSK rollover with RIRs
- Seed Alliance with AFRINIC and LACNIC
- ASO review
- World IPv6 Launch 5$^{th}$ anniversary
- Joint APNIC-AFRINIC Boards meeting at AFRINIC 26 / AIS'17
- NRO CGs: engineering, registry, comms, finance, HR, legal
- Participation at all RIR meetings in 2017

# Next Conference



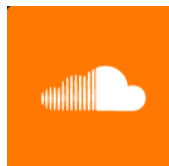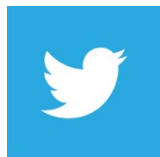https://2018.apricot.net/register

# Later…



APNIC 46
Noumea, New Caledonia
6 to 13 September 2018



APRICOT 2019
Daejeon, Republic of Korea
18 to 28 February 2019

# Stay in Touch!

blog.apnic.net

apnic.net/social