

APNIC Overview

AFRINIC Meeting

Accra, Ghana, May 13th 2001

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APNIC Update

- ◆ What is APNIC & APNIC history?
- ◆ Membership
- ◆ Resource Statistics
- ◆ Meetings
- ◆ Training and Outreach



What is APNIC?

- ◆ Regional Internet Registry (RIR) for the Asia Pacific Region
 - ◆ Regional authority for Internet Resource distribution
 - ◆ IP addresses, AS numbers, in-addr.arpa delegation
 - ◆ Do not register domain names
 - ◆ Membership-based organisation
 - ◆ Non-profit, consensus-based, neutral, independent
 - ◆ Established 1993 in Tokyo, Japan
 - ◆ Relocated to Australia in 1998



APNIC History

◆ 1992

- ◆ APNIC established by *APCCIRN / APEPG*
 - ◆ Asia Pacific Coordinating Committee for Intercontinental Research Networks
 - ◆ Asia Pacific Engineering and Planning Group
 - ◆ APCCIRN/APEPG later renamed to Asia-Pacific Networking Group (APNG)
- ◆ Established as pilot project to administer address space as defined by RFC-1366
 - ◆ but also had wider brief *“to facilitate communication, business, and culture using Internet technologies”*



APNIC History

◆ 1993

- ◆ APNG unable to provide formal umbrella or legal structure
- ◆ Pilot project concludes, but APNIC continues independently as “Interim Project”
 - ◆ operates under authority of IANA, but still without legal, membership or fee structure

◆ 1994

◆ ...



APNIC History

◆ 1995

- ◆ First APNIC meeting held in Bangkok
 - ◆ 2-day meeting, volunteer-run, no fees
- ◆ Voluntary donation sought according to organisation size:
 - ◆ Small: \$ 1500.00
 - ◆ Medium: \$ 5000.00
 - ◆ Large: \$10000.00
- ◆ Three “member” types defined by APNIC-001:
 - ◆ ISP (Local IR), Enterprise, National



APNIC History

◆ 1996

- ◆ Establishment of membership and fee structure
- ◆ Four membership tiers (APNIC-040):
 - ◆ Large(4) \$10,000/annum
 - ◆ Medium(2) \$ 5,000/annum
 - ◆ Small(1) \$ 2,500/annum
 - ◆ Enterprise(0) \$ 1,500/annum (until 1997)
 - ◆ Also: special “Confederation” category
 - ◆ Also: non-member fee structure
- ◆ First APRICOT meeting held



APNIC History

◆ 1997

- ◆ Growth restricted by local environment
 - ◆ For example, staff restricted to 4-5
- ◆ Identified need to move from Japan
 - ◆ for reduction in cost and complexity of operations
- ◆ Independent consultants (KPMG) assisted

◆ 1998

- ◆ New location announced: Brisbane, Australia
 - ◆ Stable infrastructure, lower costs, favourable tax
- ◆ Relocation April - August 1998



APNIC History

- ◆ 1999
 - ◆ Relocation completed
 - ◆ Asian economic crisis ends
 - ◆ Period of consolidation for APNIC...
 - ◆ sustainable growth, policy development
 - ◆ documentation, internal systems
 - ◆ training services launched
- ◆ 2000
 - ◆ Further consolidation and rapid growth to support 53% increase in membership



APNIC Structure

APNIC Membership
(647 members)

Executive Council
(7 members)

Director General

Assistant

Tech Services
(6)

Policy & Analysis
(4)

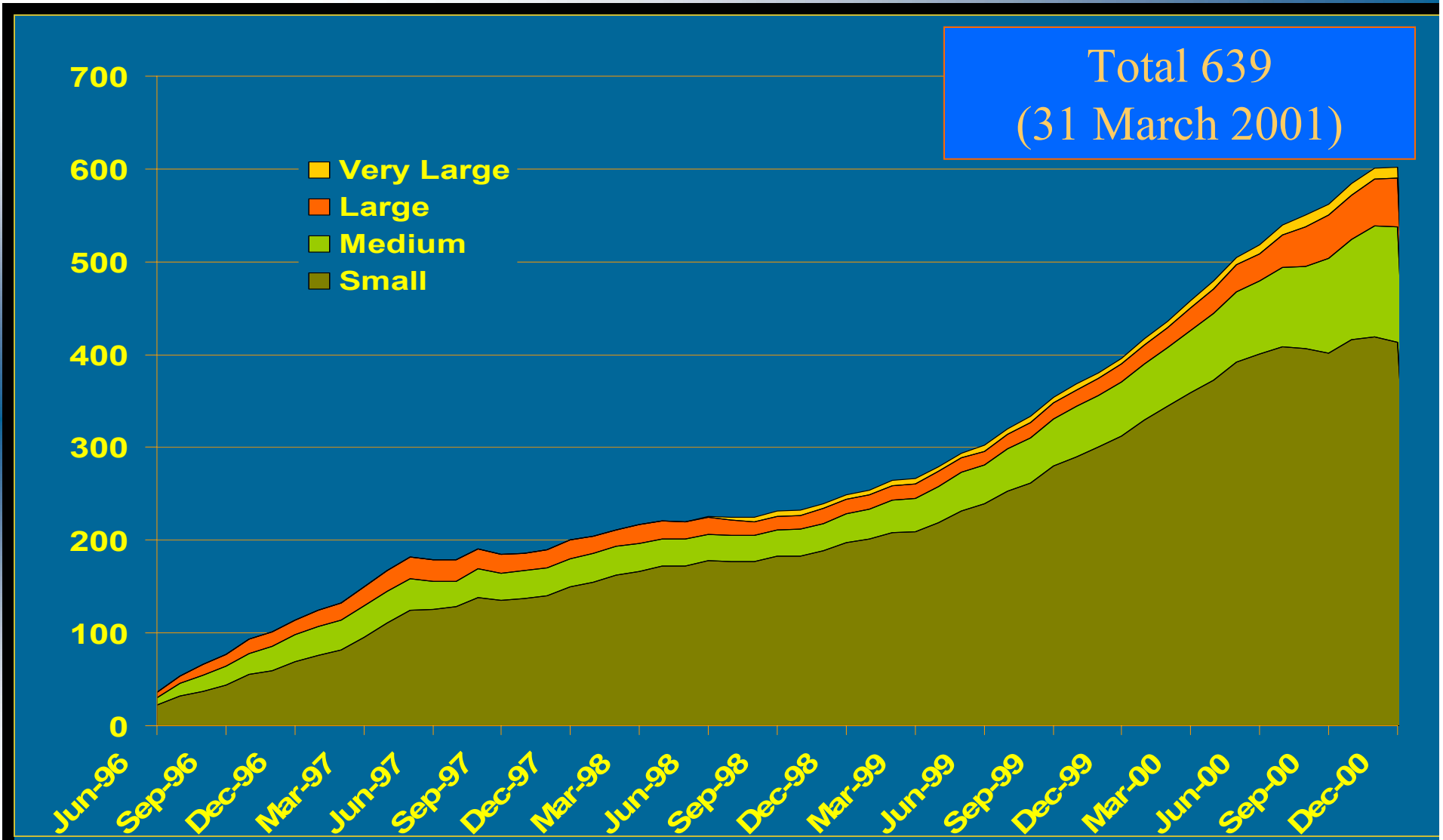
Member Services
(8)

Accounts & Admin
(3)

Comms & Training
(3)

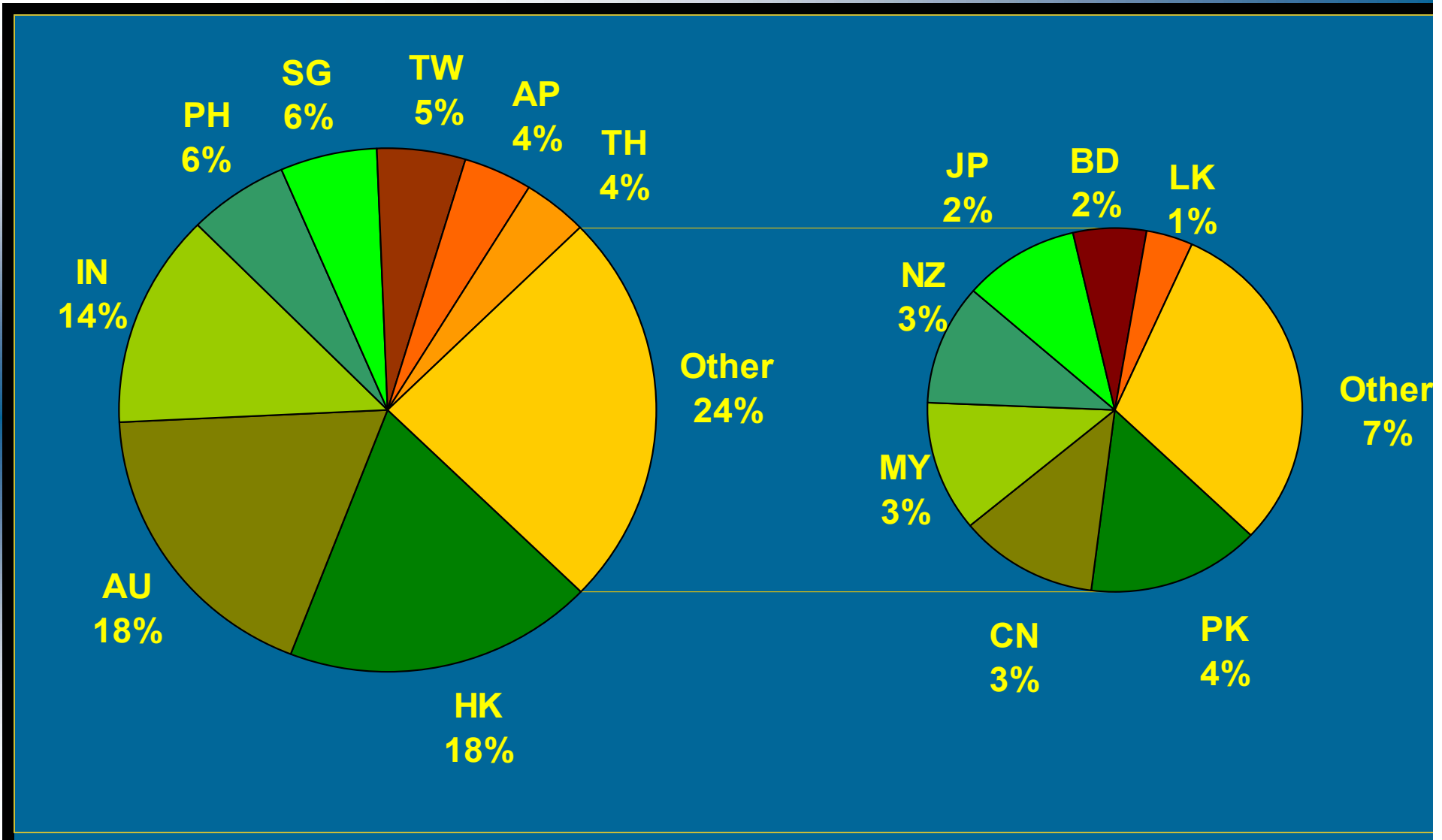


How many APNIC Members?





Where are APNIC Members?

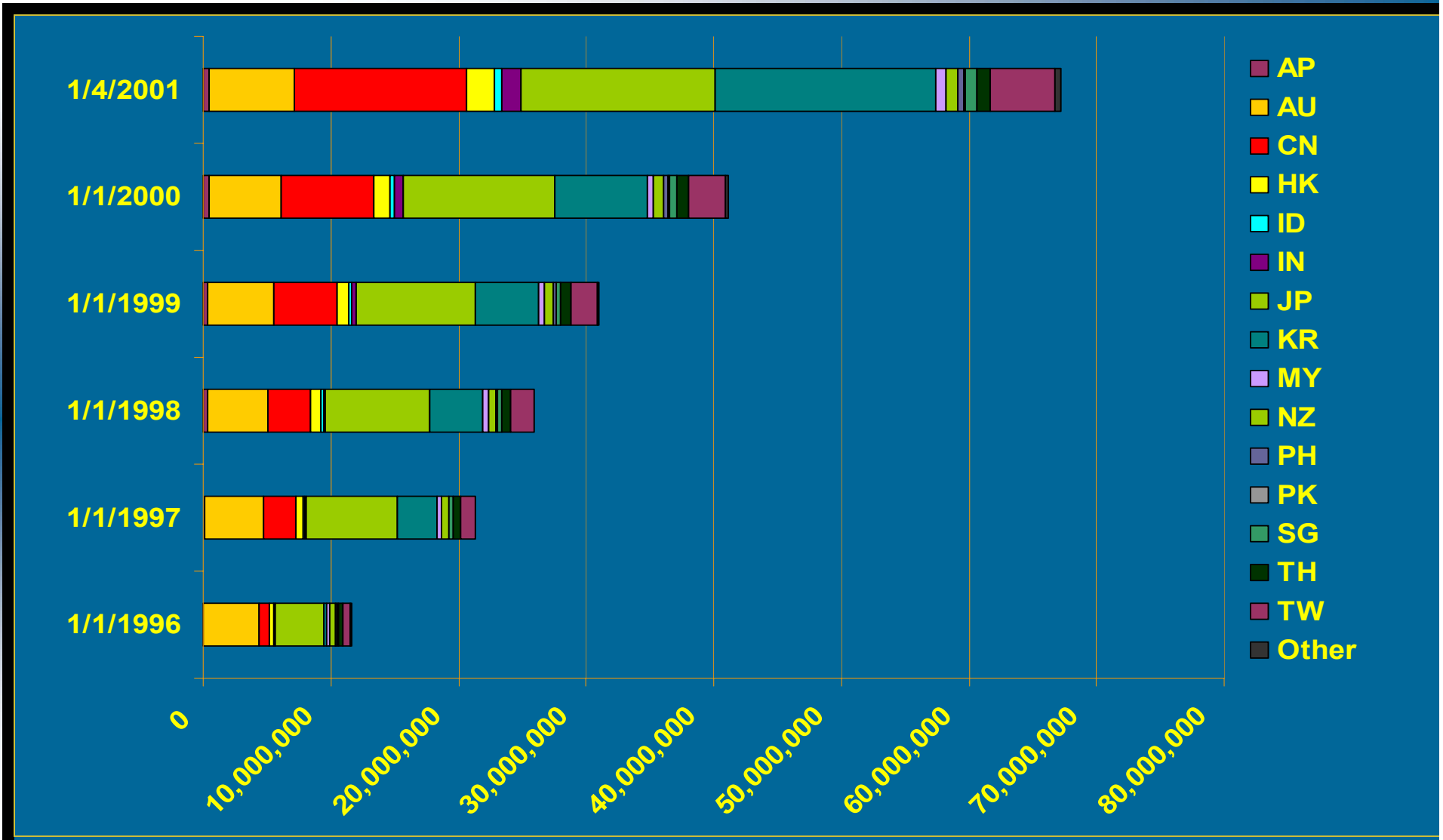




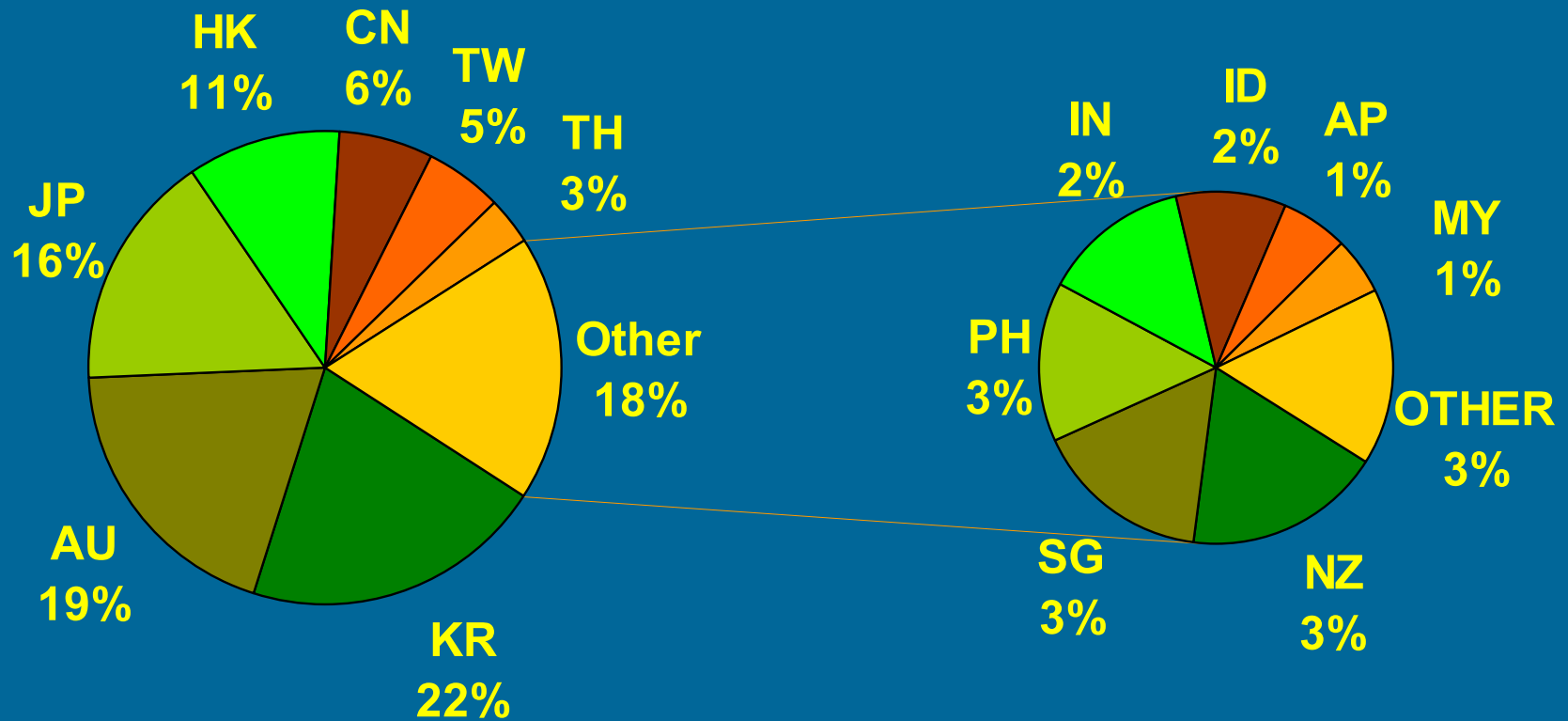
Year 2000 Overview

- ◆ Membership
 - ◆ Members: from 381 to 602 (58% growth)
 - ◆ Countries: 37 of 62 AP economies
- ◆ Resource Allocations
 - ◆ IPv4: from 2.42 to 3.71 x /8 (53% growth)
 - ◆ IPv6: from 6 to 24 subTLAs (400% growth)
 - ◆ ASN: from 1042 to 1663 (60% growth)
- ◆ Secretariat
 - ◆ Staff: from 12 to 22 staff members (45% growth)
 - ◆ Representing 13 AP economies
 - ◆ Tickets: 25,337 processed

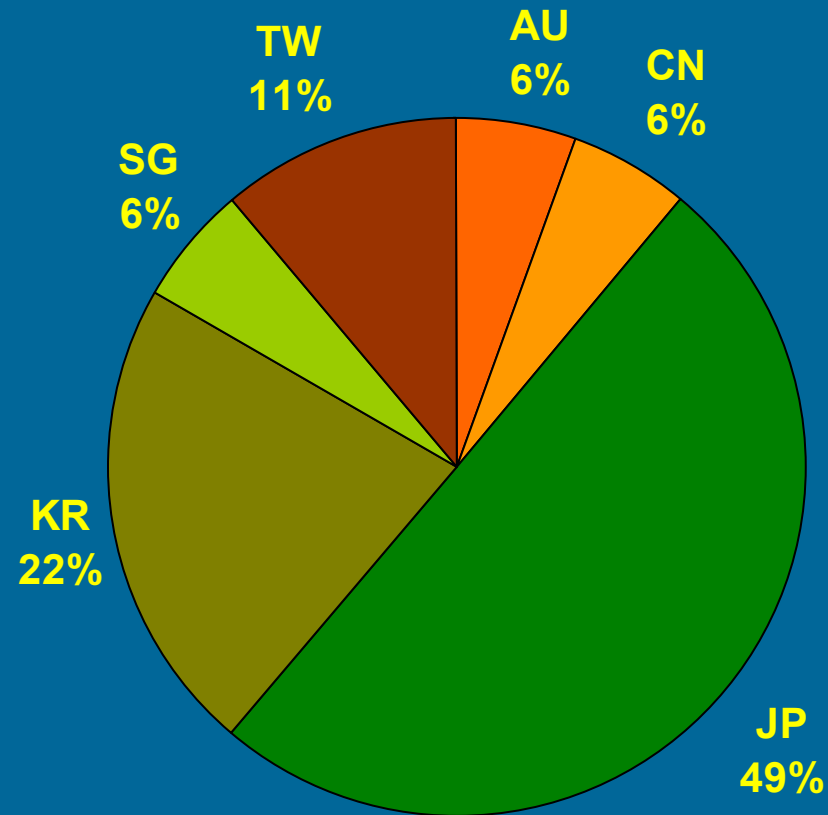
IPv4 Allocations – Distribution



ASN Allocations - Distribution



IPv6 Allocations - Distribution





APNIC Open Policy Forum

- ◆ Special Interest Groups
 - ◆ Routing, Database, Reverse DNS,
 - ◆ Address Policy, IPv6, New Technologies
- ◆ 1 day APNIC Member Meeting
 - ◆ Funding and financial reports, electing EC
- ◆ Training
 - ◆ LIR training course, Routing Registry
- ◆ How often?
 - ◆ 2 meetings a year



Meetings Schedule

- ◆ APNIC-11, Kuala Lumpur, Feb-Mar 2001
- ◆ In conjunction with APRICOT
 - ◆ APNIC provided conference track
- ◆ APNIC-12, Taipei (standalone)
 - ◆ 28-31 August 2001
 - ◆ Hosted by TWNIC
- ◆ APNIC-13, Shenzhen (with APRICOT)
 - ◆ 25 February-1 March 2002
 - ◆ Hosted by Beijing Internet Institute



APNIC Mailing Lists

- ◆ Open APNIC mailing lists
 - ◆ apnic-talk, apnic-members, apnic-announce
 - ◆ subscribe with <major@lists.apnic.net>
- ◆ SIG discussion lists
 - ◆ sig-routing, sig-policy, sig-dns, sig-ipv6 etc..
- ◆ Other regional
 - ◆ apops, apple, s-asia-it etc
- ◆ Web site
 - ◆ <http://www.apnic.net/lists/index.html>



Training and Outreach

- ◆ Developments
 - ◆ Most recent course in HK attracted 100+
 - ◆ New 6 month schedule on web site
 - ◆ CN, PH, IN, JP, TW, Pacific Islands
 - ◆ <http://www.apnic.net/training>
 - ◆ Translated material into Mandarin Chinese
 - ◆ Thanks to CNNIC
- ◆ Plans for 2001
 - ◆ Develop more advanced modules
 - ◆ Investigate distance learning (CBT)

Training and Outreach

- ◆ Outreach
 - ◆ Training combined with outreach
 - ◆ Extending number of public seminars with APTLD on Internet Governance
- ◆ New - Sponsorship
 - ◆ Developing programme to attract training sponsors
 - ◆ Courses still subsidised by APNIC
 - ◆ Aim to keep costs as low as possible

APNIC Overview

Questions?