



APNIC Status Report

IEPG

Minneapolis, March 1999



Overview

- Services and Activities
 - Membership
 - Member services
 - Technical services
- New Policy Documents
 - APNIC Allocation/Assignment Policies
 - RIR IPv6 Policies



Recent Developments ⁽¹⁾

Secretariat Relocation

- Started Feb 1998, completed Aug 1998

Capacity Building

- Systems, Services, Staffing

Documentation Activities

- Review and Update, Restructure

Training Services

- Started at APRICOT



Recent Developments ⁽²⁾

Staff Capacity Building

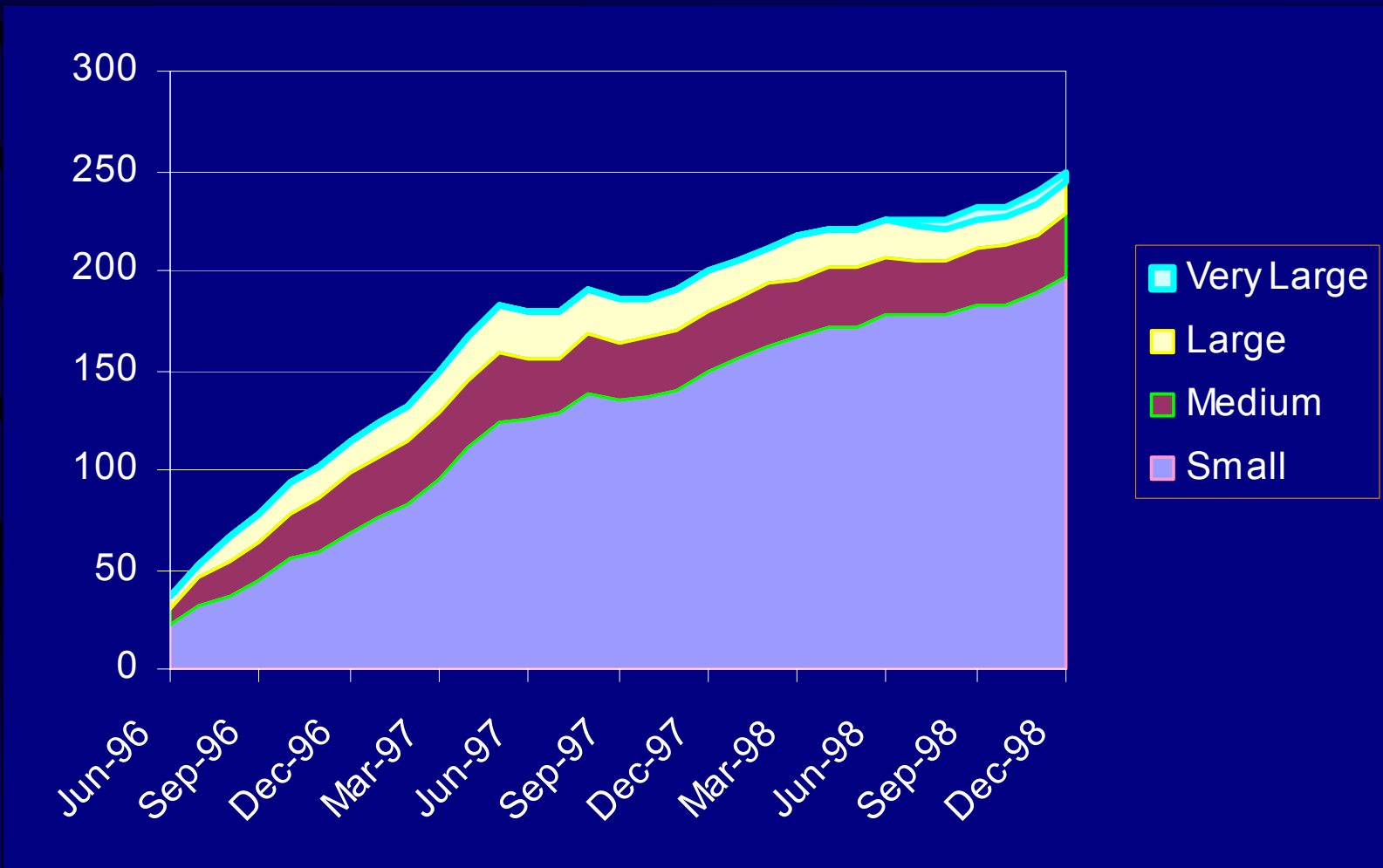
- Jan 1998: 5
- Aug 1998: 7
- Apr 1999: 10
- Dec 1999: 15 (?)

Recent recruitment

- New staff in December 1998
- Hostmaster recruitment restarted

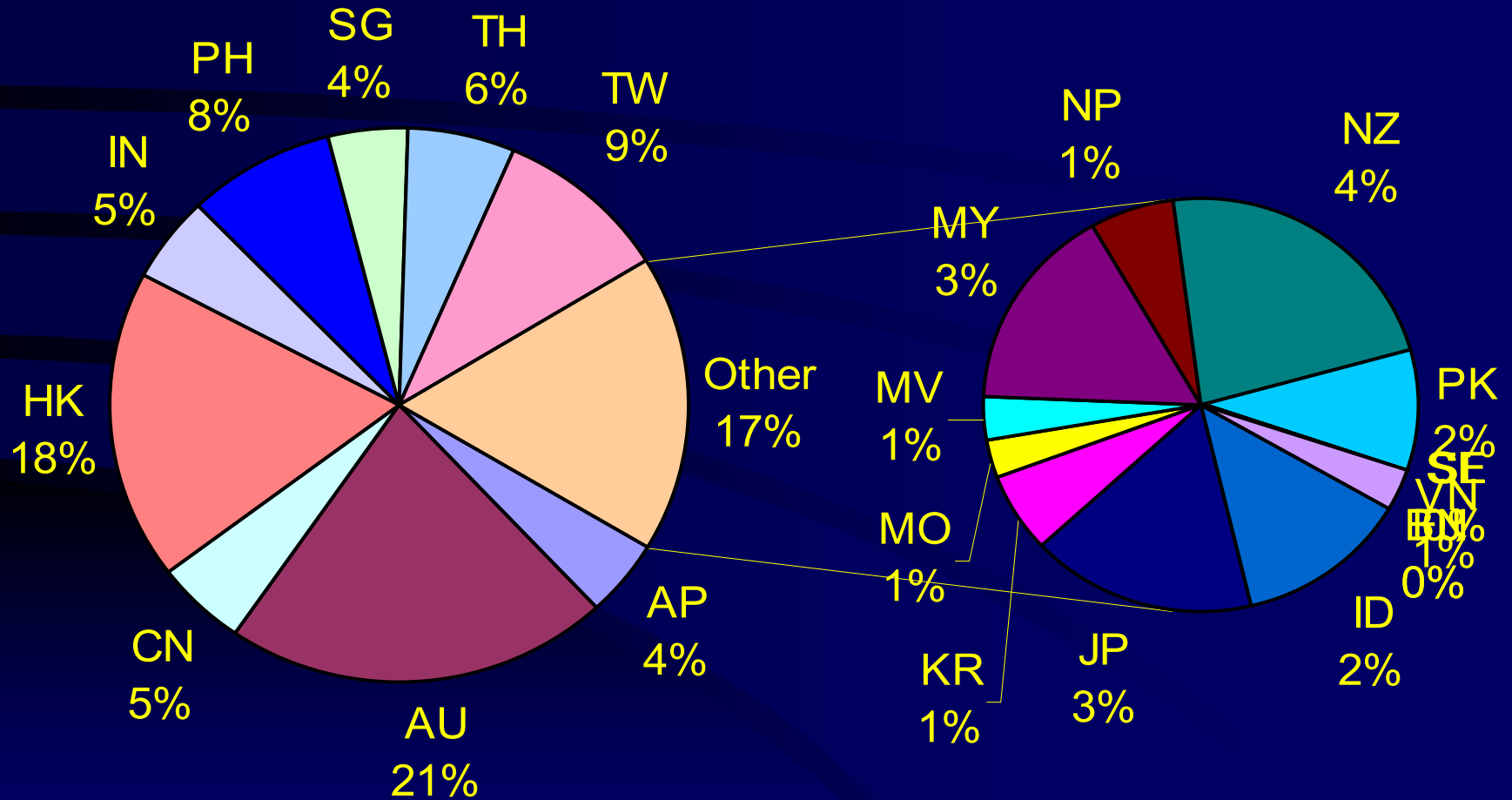


APNIC Membership





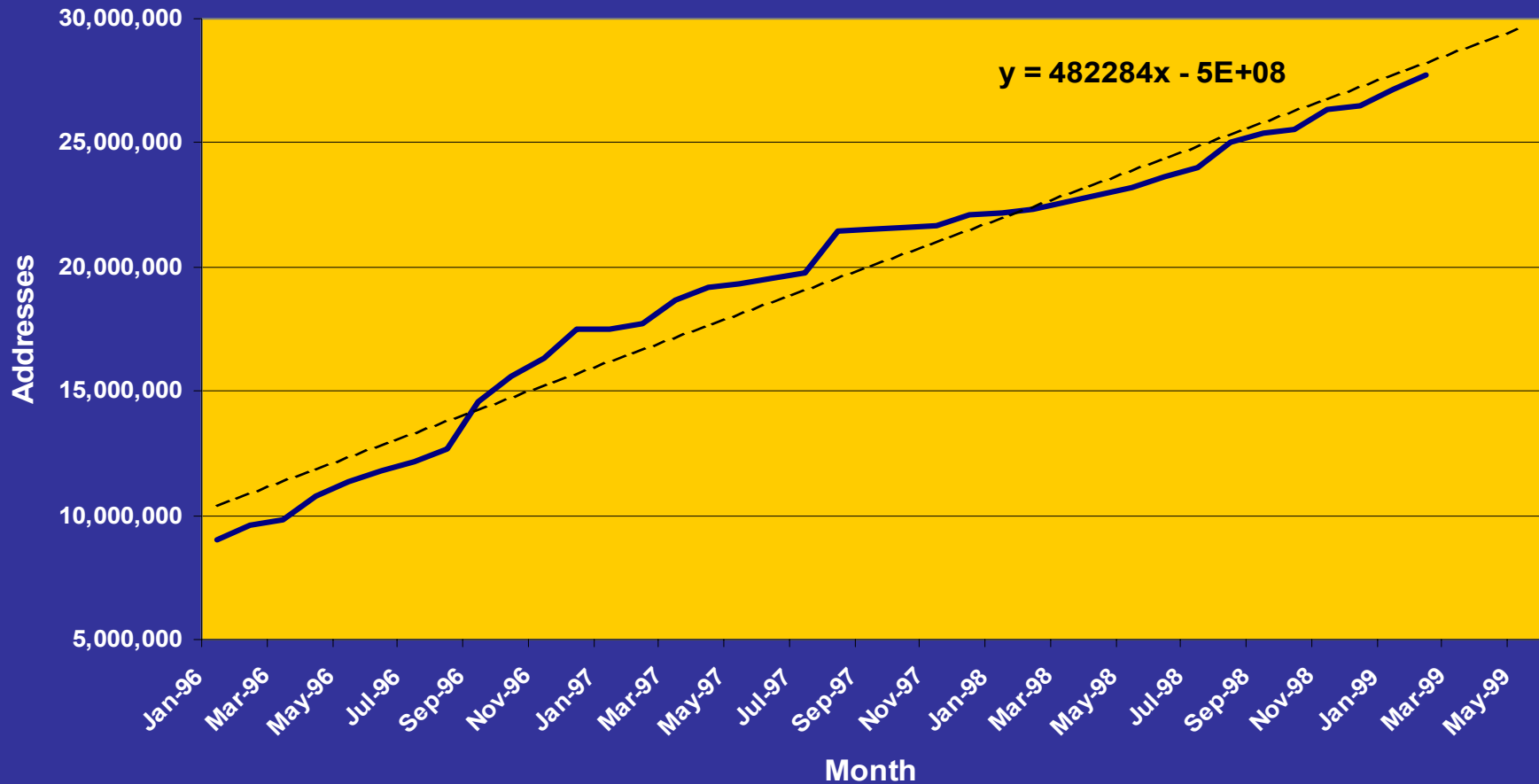
APNIC Members Geographical Distribution





Activities - IP Allocation

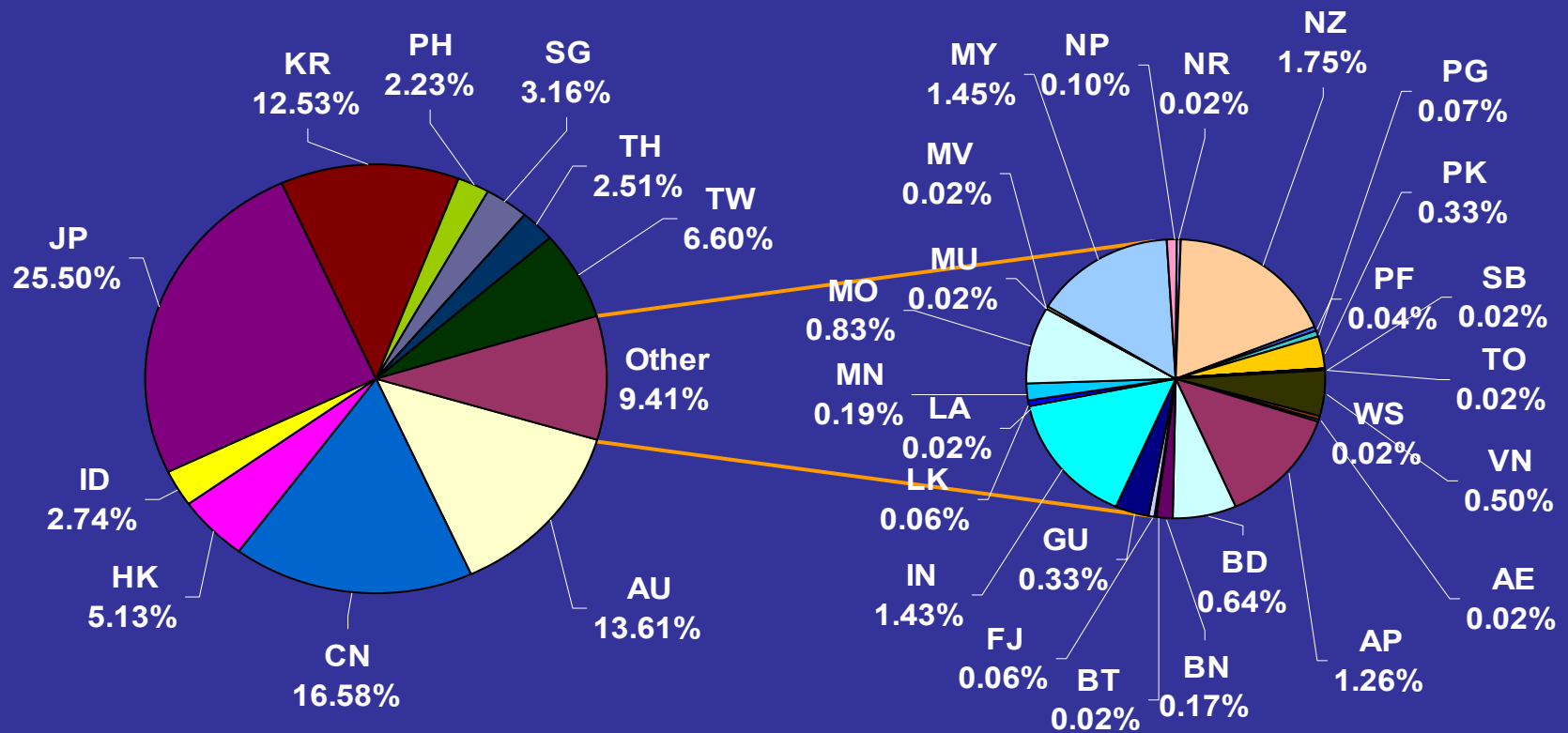
APNIC Allocated Address Space over Time





Activities - Resource distribution

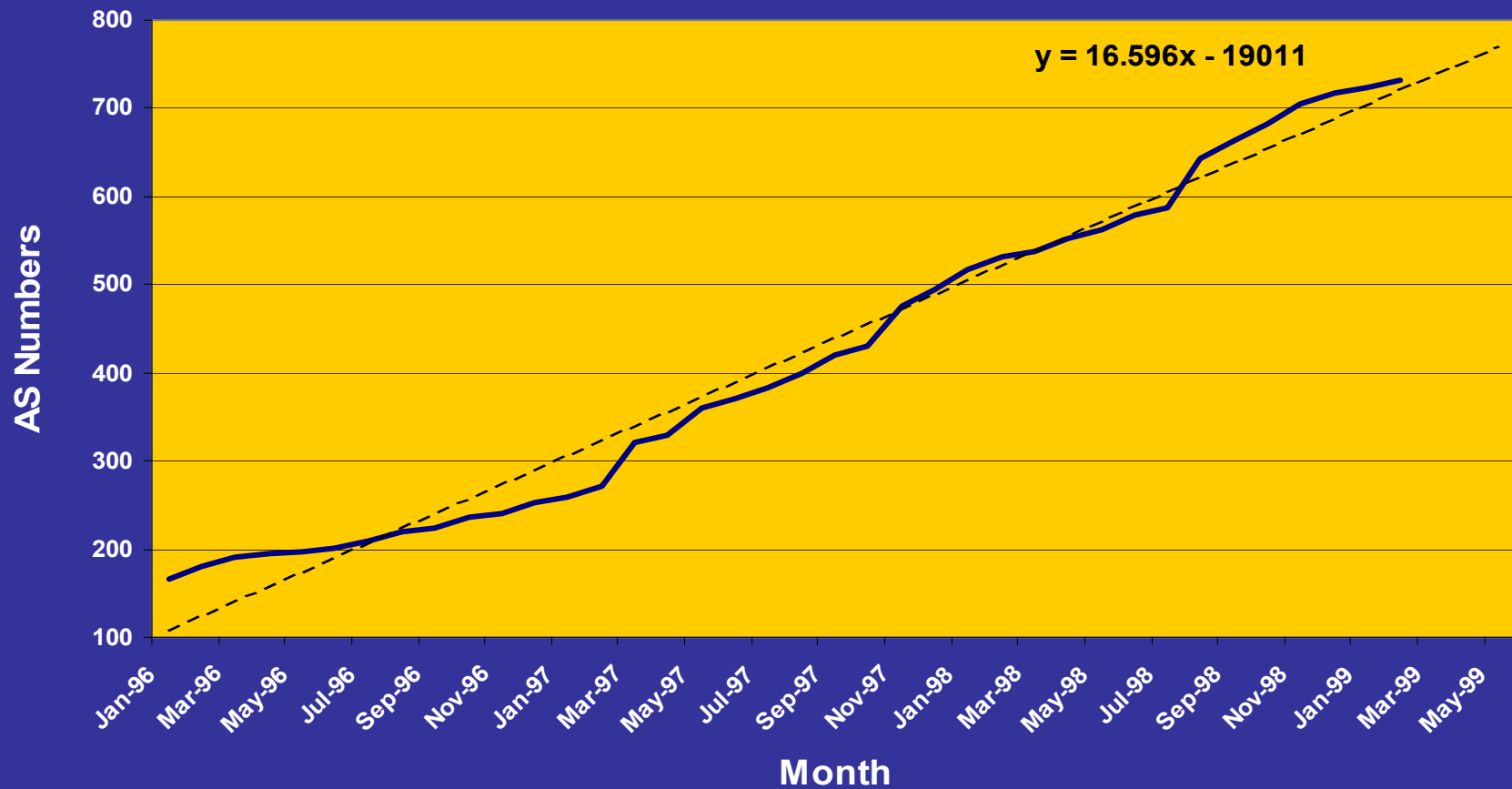
% Allocated Address Space by Member Domain





Activities - ASN Allocation

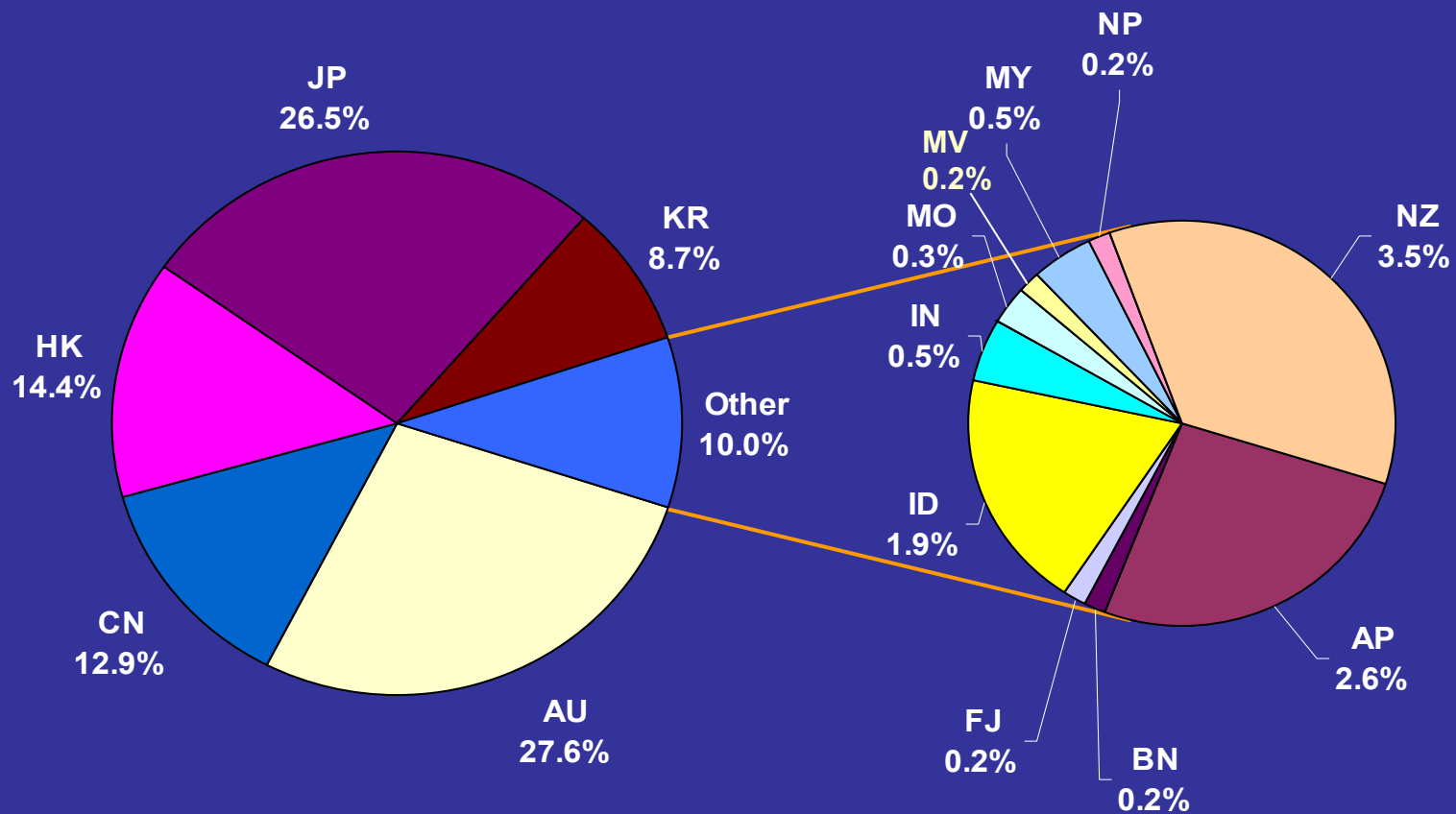
AS Assignments over Time





Activities - Resource distribution

% AS Distribution by Member Domain





Resource Status (Dec 1998)

Address Block	Addresses	%Allocated	%Reserved	%Free	Date Delgated by the IANA
202/7	33554432	60.32	0.00	39.68	January 10, 1994
169.208/13	1048576	0.00	0.00	100.00	June 6, 1995
210/7	33554432	58.10	0.00	41.90	September 16, 1996
61/8	16777216	0.05	0.00	99.95	April 25, 1997
Total	84934656	36.03	0.00	63.97	

As Block	Ases	%Allocated	%Reserved	%Free	Date Delgated by the IANA
4608-4863	256	98.83	0.00	1.17	10-Jan-94
7467-7722	256	100.00	0.00	0.00	6-Jun-95
9261-10239	979	20.33	0.00	79.67	16-Sep-96
Total	1491	47.48	0.00	52.52	

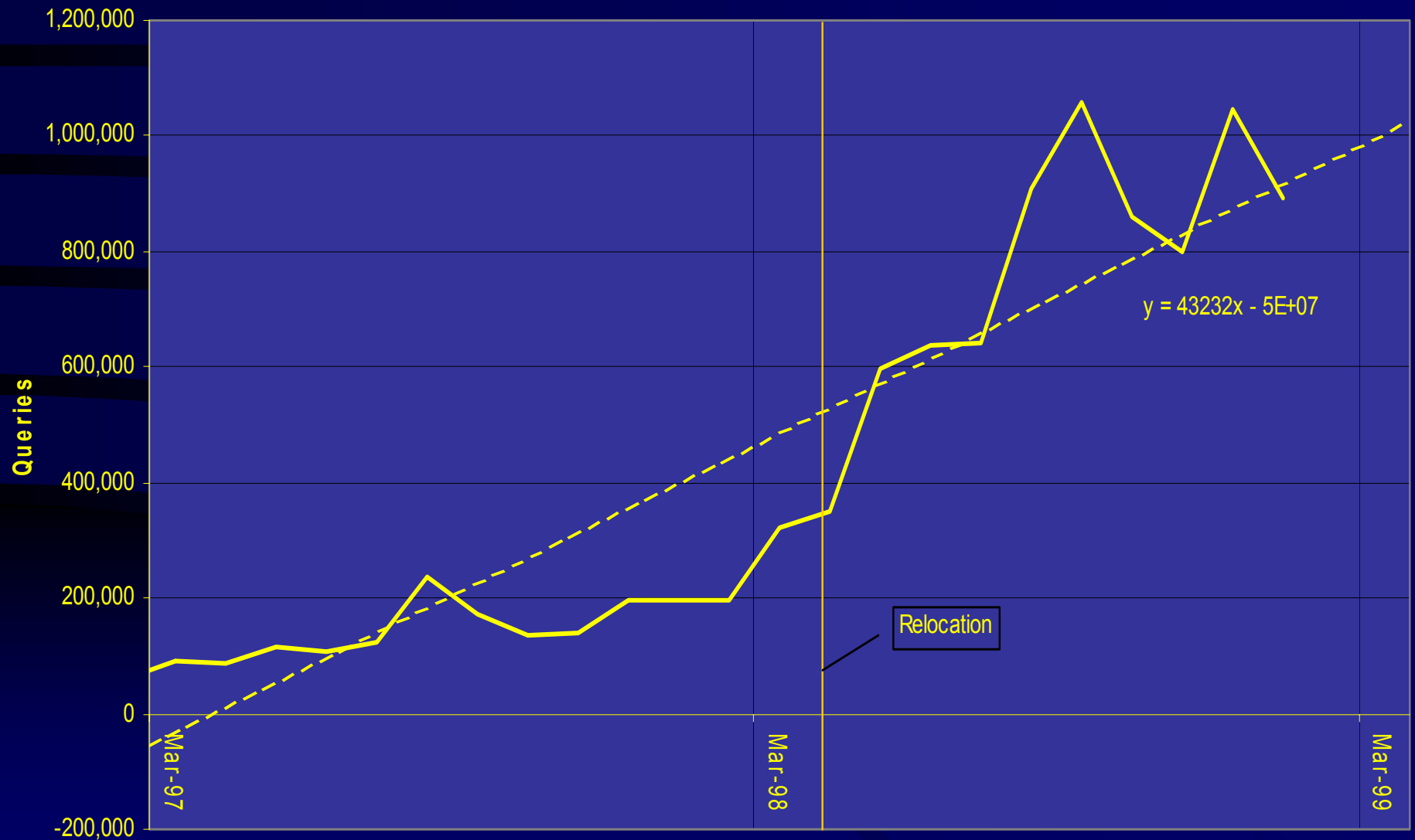


Activities and Plans

- Documentation
 - Policy Documents
 - Web site
 - Future: continuing overhaul
- Member Training
 - Future: 2/month likely, starting July/August
- IPv6 Allocations
 - RIR Allocation draft
 - few comments received regionally, but many globally
 - Future: allocs planned from 1st April 1999



Whois Database





Whois Database (cont'd)

Server Load

- approx 20 hits/minute
- four fold increase over last year

Server Software

- upgraded to RIPE 2.2.1
- support for PGP planned
- split update and query server for performance

Server Hardware

- non stop cluster - “any day now”



Other Services

in-addr.arpa

- secondary servers in Tokyo & Brisbane
- transferred from Telstra in November 98

Web Site / FTP Repository

- new servers

Future

- Routing Registry
- Certification



APNIC Draft policy doc

‘Policies for address space management
in the Asia Pacific region’

<http://www.apnic.net/policydraft.html>

- Deadline for comments was 17 February 1999
- Many constructive comments received

- New version now on web site,
with summary of comments and changes



Policy Document Outline

- Goals
 - Globally defined by the Internet community
- Policy environment
 - Acknowledges that there are factors which form an operating environment which shape policies
 - eg. varying levels of expertise, unpredictable growth rates, expectations of the community
- Policies
 - Details of policies (not implementation)



Policy Document Outline

- New terms introduced (borrowed)
 - LIR 'Local Internet Registry': Assigns...
 - NIR 'National Internet Registry': Allocates...
- Allocations are leasehold not freehold
 - Valid for a limited duration
 - Renewal will be necessary
 - Implementation plan to be proposed
- Revised draft and summary
 - <http://www.apnic.net/policydraft.html>
 - Further feedback needed



IPv6 - Summary

- RIR draft guidelines
 - <http://www.apnic.net/ipv6draft.html>
- AP feedback minimal
 - more discussion in other regions
 - IAB made substantial comments
- Summary
 - bootstrap too IPv4-centred
 - renumbering requirements should be reduced
 - more emphasis on aggregation, less on conservation



IPv6 - Next steps

- RIR meeting during APRICOT
 - input from WIDE, Steve Deering
 - IETF open meeting - organised by WIDE
 - RIR presentation to IAB
 - new draft will be posted after these meetings
- Formal IANA administration & delegation needs to take place
- Service due to start 1 April 1999

APNIC - Status Report



Questions?

<http://www.apnic.net>