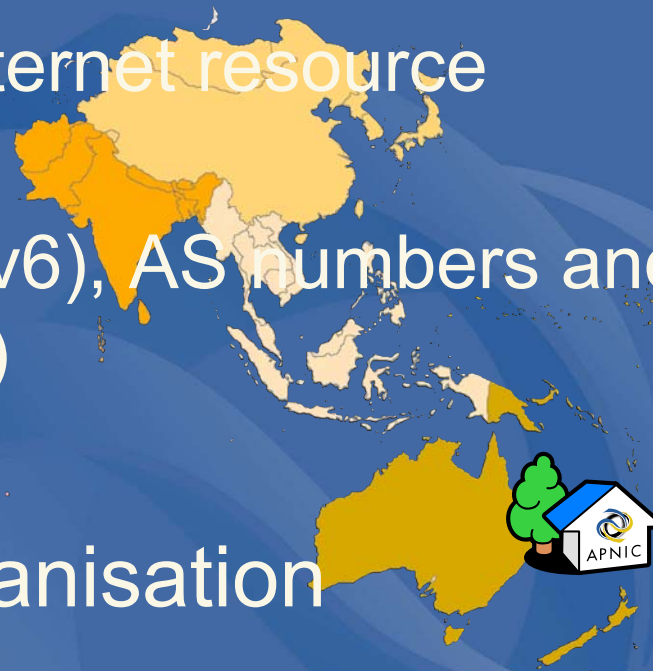# APNIC Status Report

SANOG VI

16-23 July 2005, Thimpu, Bhutan

Kapil Chawla, APNIC

What is APNIC?

- Regional Internet Registry for the Asia Pacific region
    - Regional authority for Internet resource distribution
    - IP addresses (IPv4 & IPv6), AS numbers and reverse DNS delegation)

- Membership based organisation
    - Established 1993
    - Non profit, neutral and impartial

Why do we have RIRs?

- Lessons from the past
  - Wastage of addresses (A, B & C's..)
  - Growing routing table
  - No scalable resource distribution system
  - No proper registration system
- 'Addressing' the problems
  - Classless addressing (CIDR)
  - Creation of RIRs
  - Whois databases
- RIR goals
  - Aggregation, conservation & registration

APNIC's role

"Addressing the challenge of responsible Internet resource distribution in the Asia Pacific region"

- Core activities: primary responsibilities
    - Critical Internet administrative services
    - IP resource allocation
    - Resource registration and reverse DNS
    - Facilitation of policy development

- Additional activities
    - Training, outreach and seminars
    - Publications, APster, annual report, articles
    - Infrastructure development: IRR, root-servers
    - R&D and statistical analysis
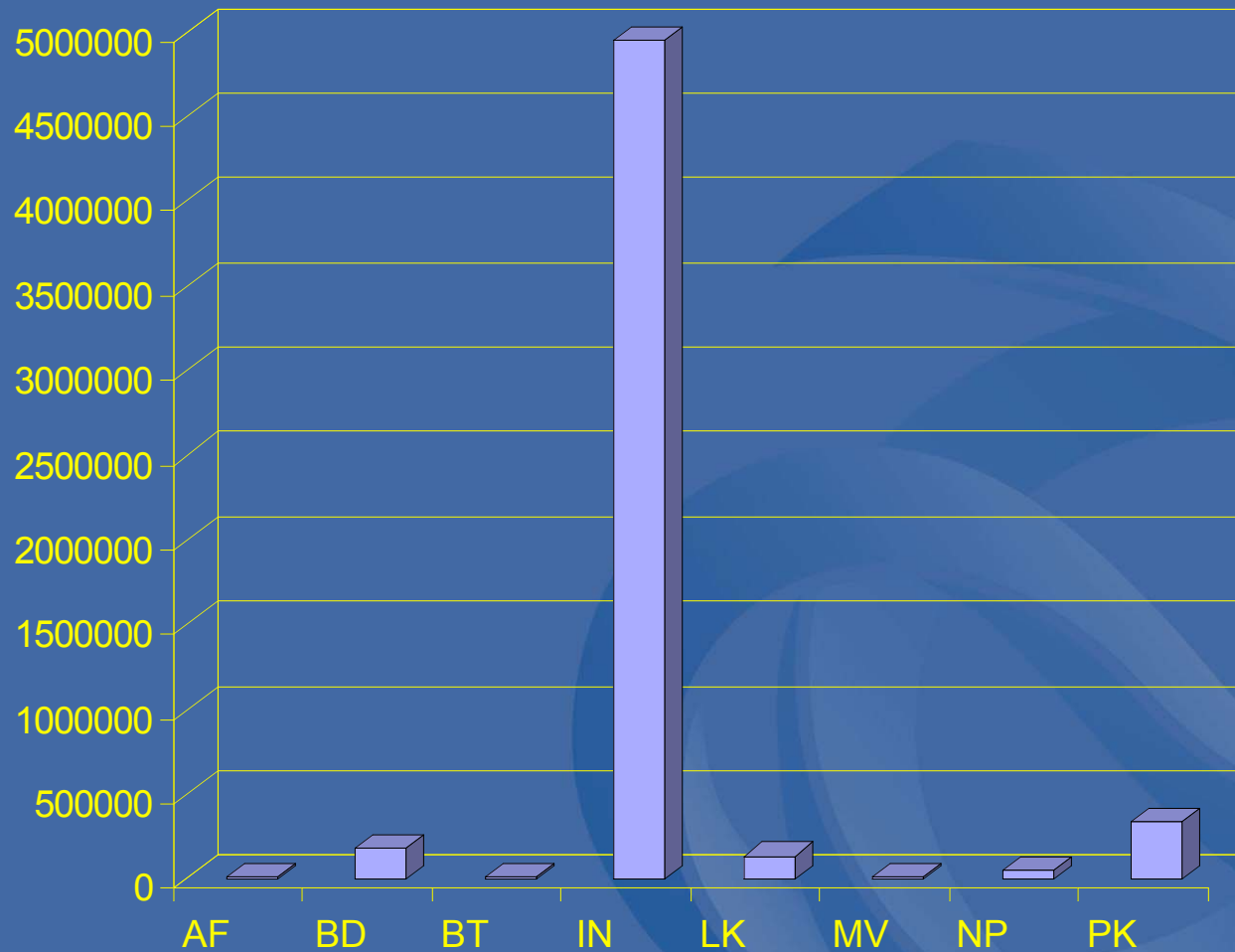   - Services to community through collaboration

Total APNIC members in South Asia
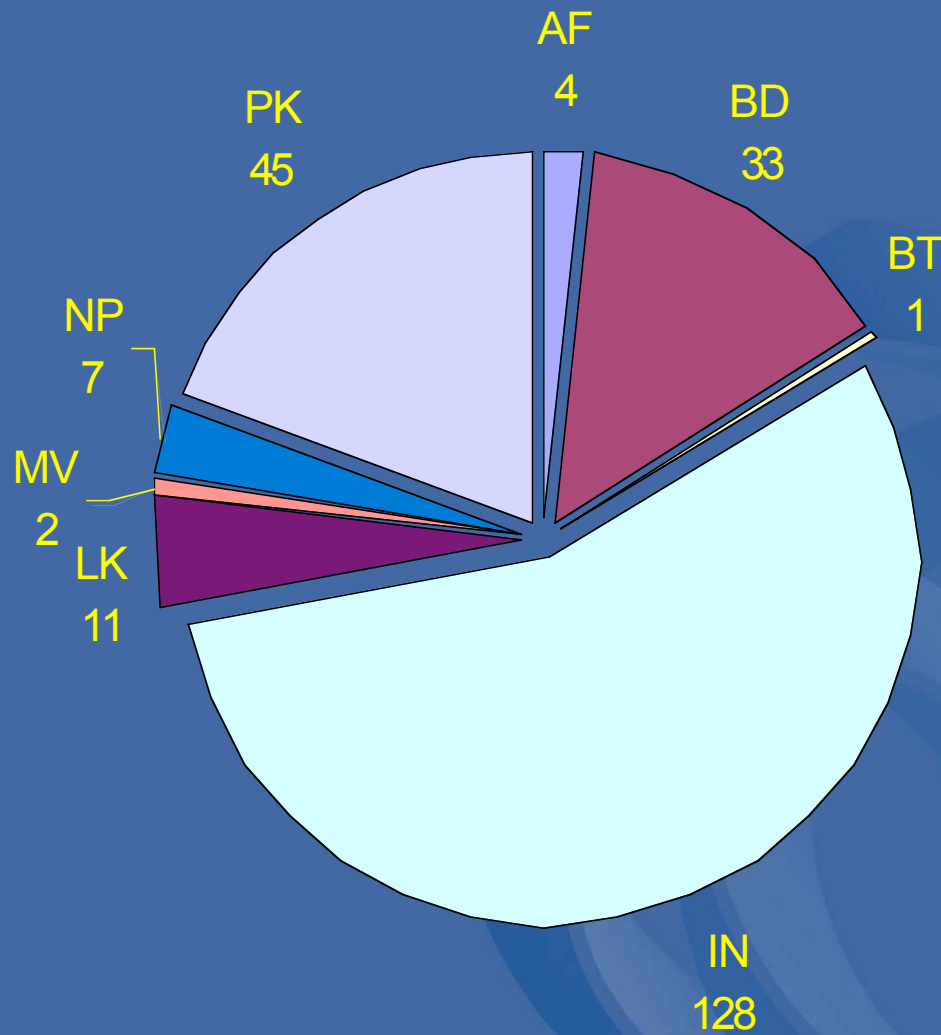
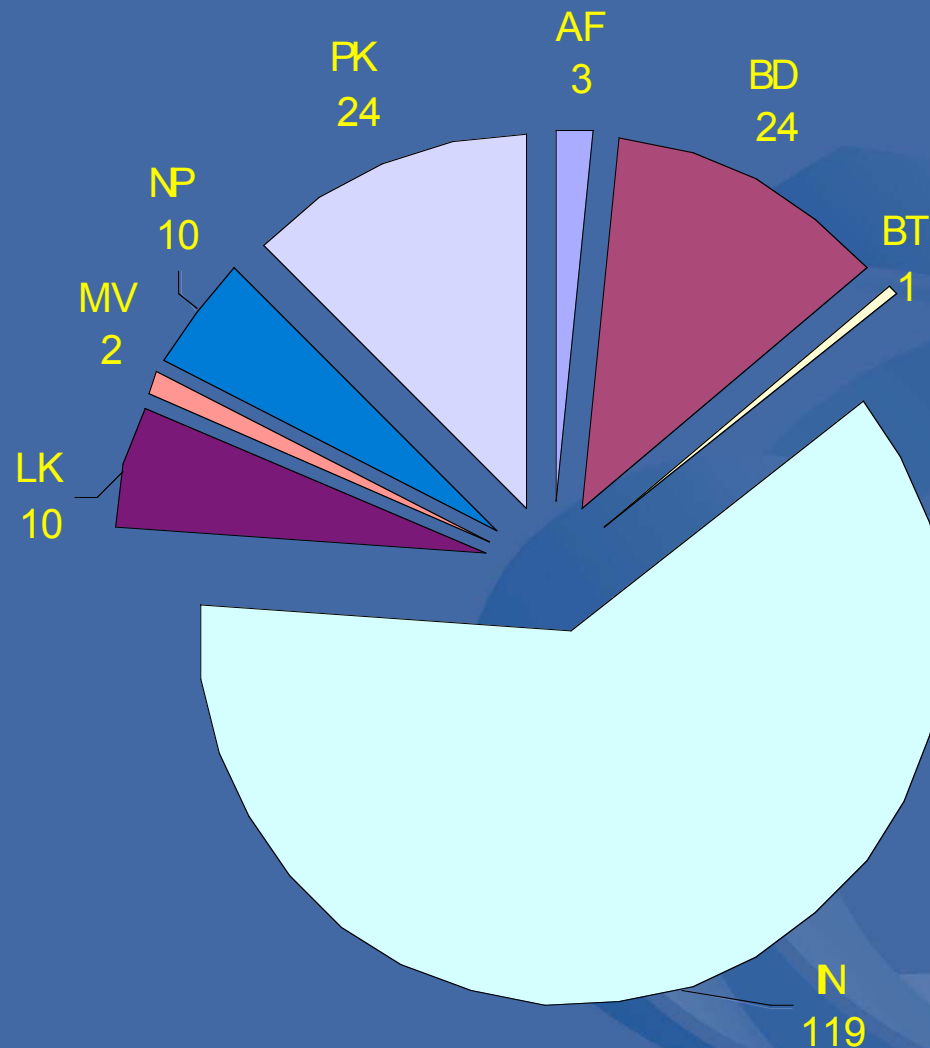Total members in South Asia - 231 (Last SANOG - 203)

Total IPv4* allocations in South Asia

* 6 IPv6 allocations in India, no others in South Asia (Last SANOG 4)

Total ASN allocated in South Asia

Pie chart labels:
- PK 24
- AF 3
- BD 24
- NP 10
- BT 1
- MV 2
- LK 10
- N 119

Total ASN in South Asia - 193 (Last SANOG - 165)
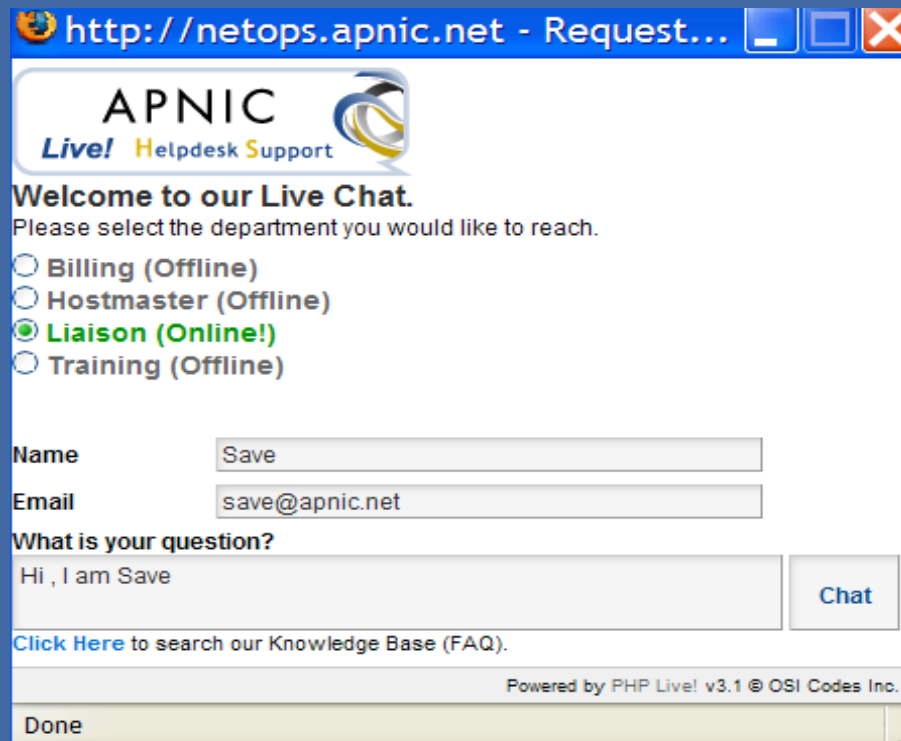
Policy update

Policy	Status
prop-018-v001 Protecting historical records in APNIC Whois database	Impl Dec '04
prop-017-v001 Recovering unused historical address space managed by APNIC	Impl Mar '05
prop-025-v001 Proposal on IPv6 IRR service at APNIC	Impl May '05
prop-020-v001 HD ratio for IPv4	LIR survey
prop-027-v001 Extension of large space IPv4 trial for future IPv6 deployment	Implemented

http://www.apnic.net/docs/policy

Helpdesk services

- *NEW!* Helpdesk chat support
  - 1st Trial at this SANOG

- Local languages spoken
  - Hindi, Punjabi , Telgu, Sinhalese & Urdu
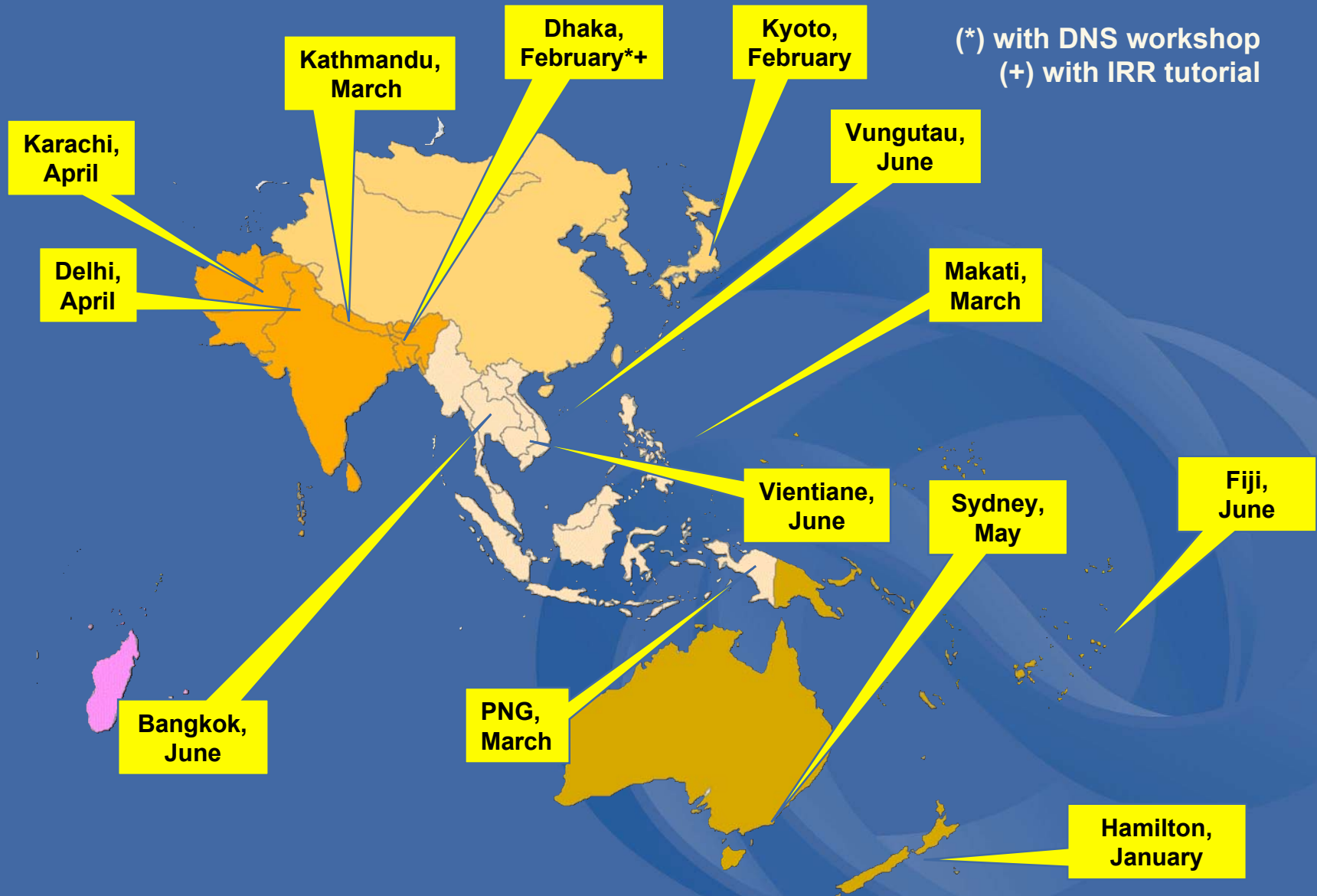
MyAPNIC on-line voting (new!)

Training activities 2005

- Updated Training courses
  - Internet Resource Management I & II, Essentials
  - DNS, advanced DNS workshops
- New Tutorials & Workshop
  - SPAM, Security, Technical IPv6 tutorials
  - Routing workshop
  - E-learning
- Collaborations
  - intERLab/AIT in Thailand
  - Other Asia Pacific NOGs (SANOG, PACNOG)
  - SOI Asia
- Trainings in SA
  - Dakha, Karachi & Delhi

Trainings in 2005 so far…

Kathmandu, March

Dhaka, February*+

Kyoto, February

(*) with DNS workshop
(+) with IRR tutorial

Karachi, April

Vungutau, June

Delhi, April

Makati, March

Vientiane, June

Sydney, May

Fiji, June

Bangkok, June

PNG, March

Hamilton, January

Training 2005 – http://www.apnic.net/training

South Asia liaison and participation

- Liaison
  - SANOG V, Dhaka, BD
  - ISP associations (MoUs)
- Participation
  - Increasing rapidly
    - APNIC 20 fellowship
      - Out of 72 applicants, 59 from South Asia
    - APNIC19 EC elections
      - 4 nominations from South Asia
    - Root Server deployment
      - 3 EOI for 5 Root server deployment in SA

'Anycast' rootserver deployments

- Working with root operators (F, I, K, M)
  - IN (F,I,K) very SOON, PK (F) end 2005, EOI from BD (F)

APNIC

APNIC 20, 6-9 Sept, Hanoi, Vietnam

More information http://www.apnic.net/meetings

APNIC 21 – Perth, Australia

- With APRICOT 2006
  - http://www.2006.apricot.net
  - 28 Feb – 3 March

Perth

Questions?

Thank you!