

# APNIC Update

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11th TWNIC OPM

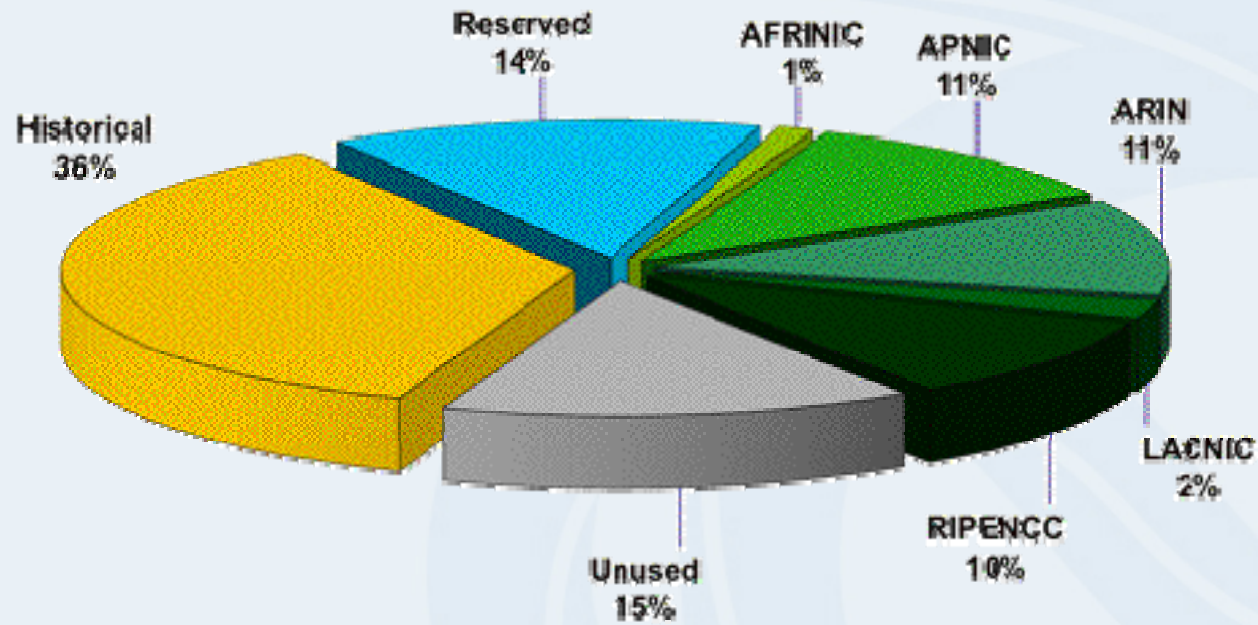
12 Nov 2008

# Overview

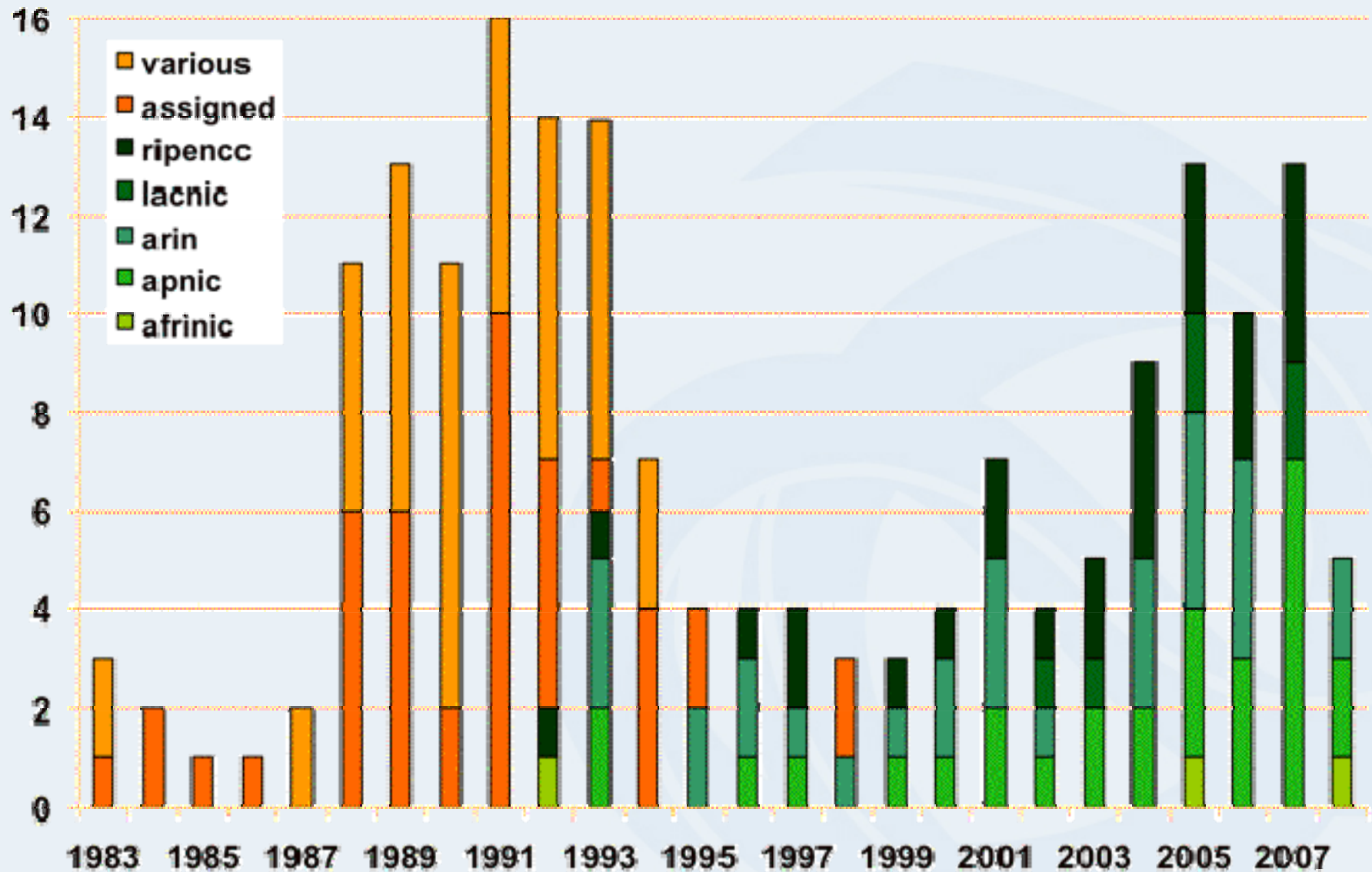
- IP address distribution
- Some policy news

# IP address distribution today

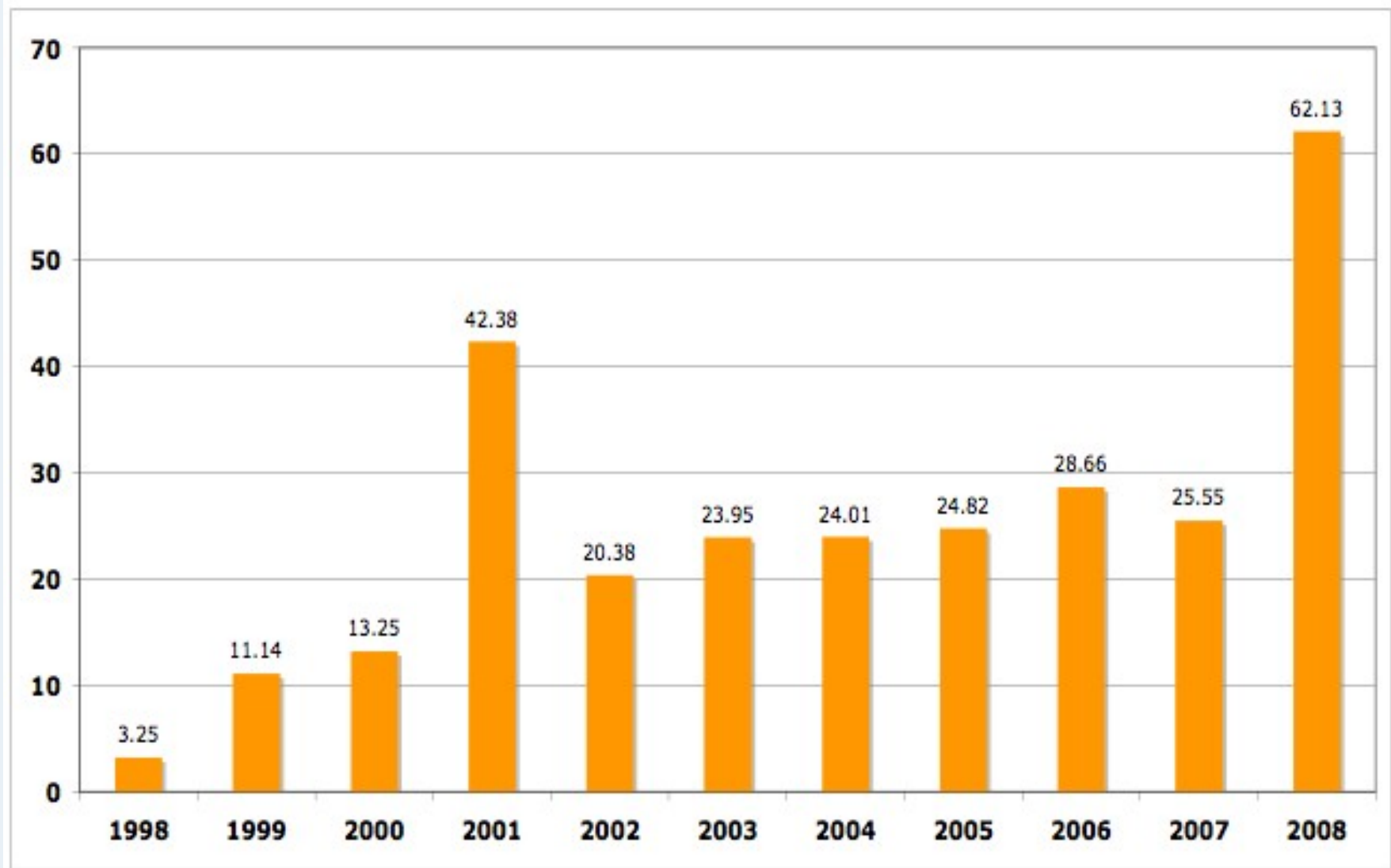
# IPv4 distribution – global



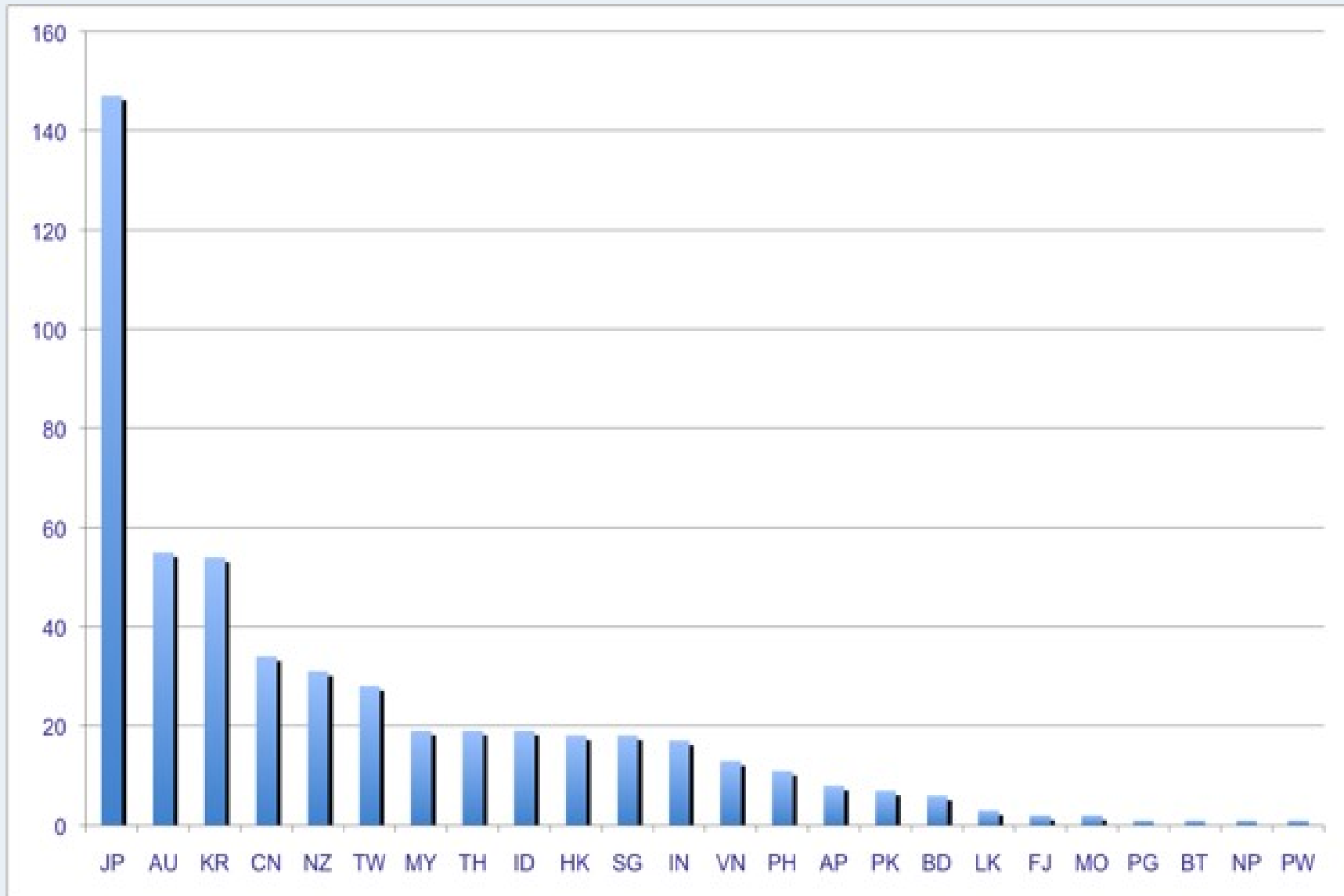
# IPv4 distribution – global



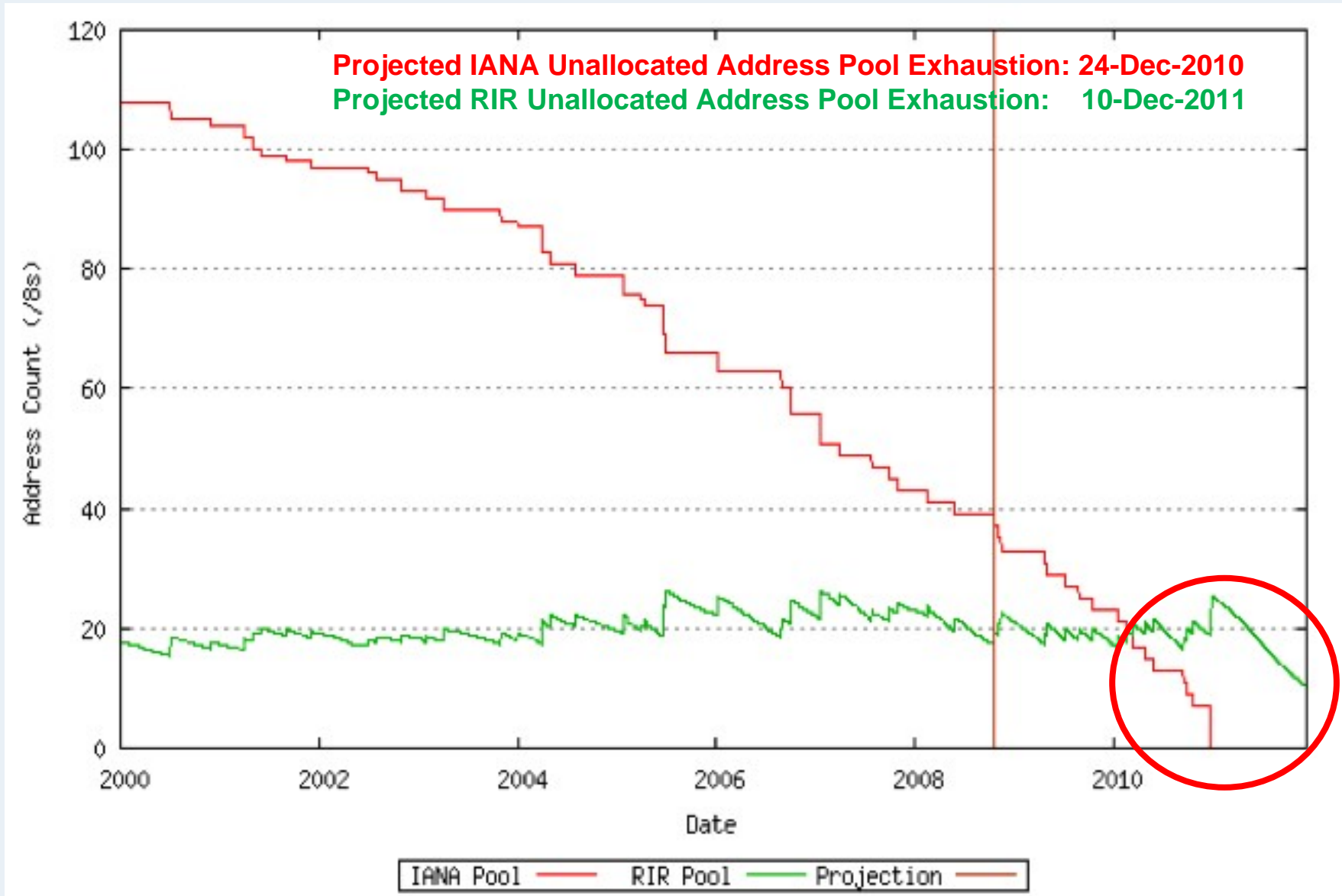
# IPv4 address distribution (/16) – Taiwan



# IPv6 address distribution – AP region (delegation count)



# IPv4 consumption – Projection



# Policy update

# Policy news

- **Implemented since APNIC 25**
  - prop-053 Reducing minimum IPv4 allocation
  - prop-054 NIR operational policy revision
  - prop-057 Change IPv6 initial allocation criteria
- **Policy proposals at APNIC 26**
  - Continued discussion on 2 previous proposals
  - 7 new proposals presented
  - 6 policies approved, 4 waiting for APNIC EC endorsement, 2 defer to consider IETF processes.

<http://www.apnic.net/policy>

# Policy news - APNIC 26

## For further discussion

- prop-050: IPv4 resource transfer
- prop-063: Reducing timeframe of IPv4 allocations from twelve to six months

## Policy news – APNIC 26

- prop-050: IPv4 address transfers
  - Remove restrictions on registration of IPv4 transfers
  - Address blocks transferred:
    - Must be /24 or larger
    - Must be in APNIC administered range
    - Are subject to APNIC policies after transfer
  - Source of transfer ineligible to receive IPv4 addresses from APNIC for 24 months

## Policy news – APNIC 26

- prop-063: Reducing timeframe of IPv4 allocations
  - Allocations to be made for a 6-month period instead of 12 months

## Policy news - APNIC 26

### Awaiting EC endorsement (20 November)

- prop-055: Global policy for the allocation of the remaining IPv4 address space
- prop-062: Use of final /8
- prop-064: Change to assignment policy for AS numbers
- prop-066: Ensuring efficient use of historical IPv4 resources

## Policy news – APNIC 26

- prop-064: Change to assignment policy for AS numbers
  - From 1 July 2009, APNIC assigns 32-bit AS numbers by default, and 16-bit only where need is demonstrated

## Policy news – APNIC 26

- prop-055: Global policy for the allocation of the remaining IPv4 space (continued discussion)
  - IANA reserves one /8 for each RIR
  - When IANA receives an IPv4 request that cannot be fulfilled, it will allocate the reserve

## Policy news – APNIC 26

- prop-062: Use of final /8
  - Each new LIR can receive a single minimum allocation
  - Each existing LIR can receive a single minimum allocation
  - Reserve a /16 for potential future technologies that may need IPv4 addresses

## Policy news – APNIC 26

- prop-066: Ensuring efficient use of historical IPv4 resources
  - Include historical resources when evaluating an LIR's requirements and usage rate

## APNIC proposals in IETF space

- prop-061: 32-bit AS numbers for documentation
  - APNIC to reserve 32-bit AS number blocks for documentation purposes
  - IETF: Approved, to be announced to IETF-Announce. Then enters RFC queue.
- prop-065: Format for delegation and recording of 32-bit AS numbers
  - APNIC to adopt the ASPLAIN format
  - IETF: In RFC Editor queue. Then to be published as an RFC.

# Future APNIC meetings

- APNIC 27
  - Manila, Philippines
  - 23 to 27 February 2009
  - with APRICOT 2009
- APNIC 28
  - Beijing, China
  - 24 to 28 August 2009
- APNIC 29
  - Kuala Lumpur, Malaysia
  - 1 to 5 March 2010
  - with APRICOT 2010



QuickTime?and a decompressor are needed to see this picture.

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<http://www.apnic.net/meetings>

# Thanks

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