



# IPv6: The Wallflower Protocol

ICANN Studienkreis  
Helsinki, 5 September 2008  
Arno Meulenkamp  
RIPE NCC



# RIPE NCC

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Located in Amsterdam

Not for profit membership organisation

5866 active members (1 sep 2008)

421 new members in 2008 (jan-aug)

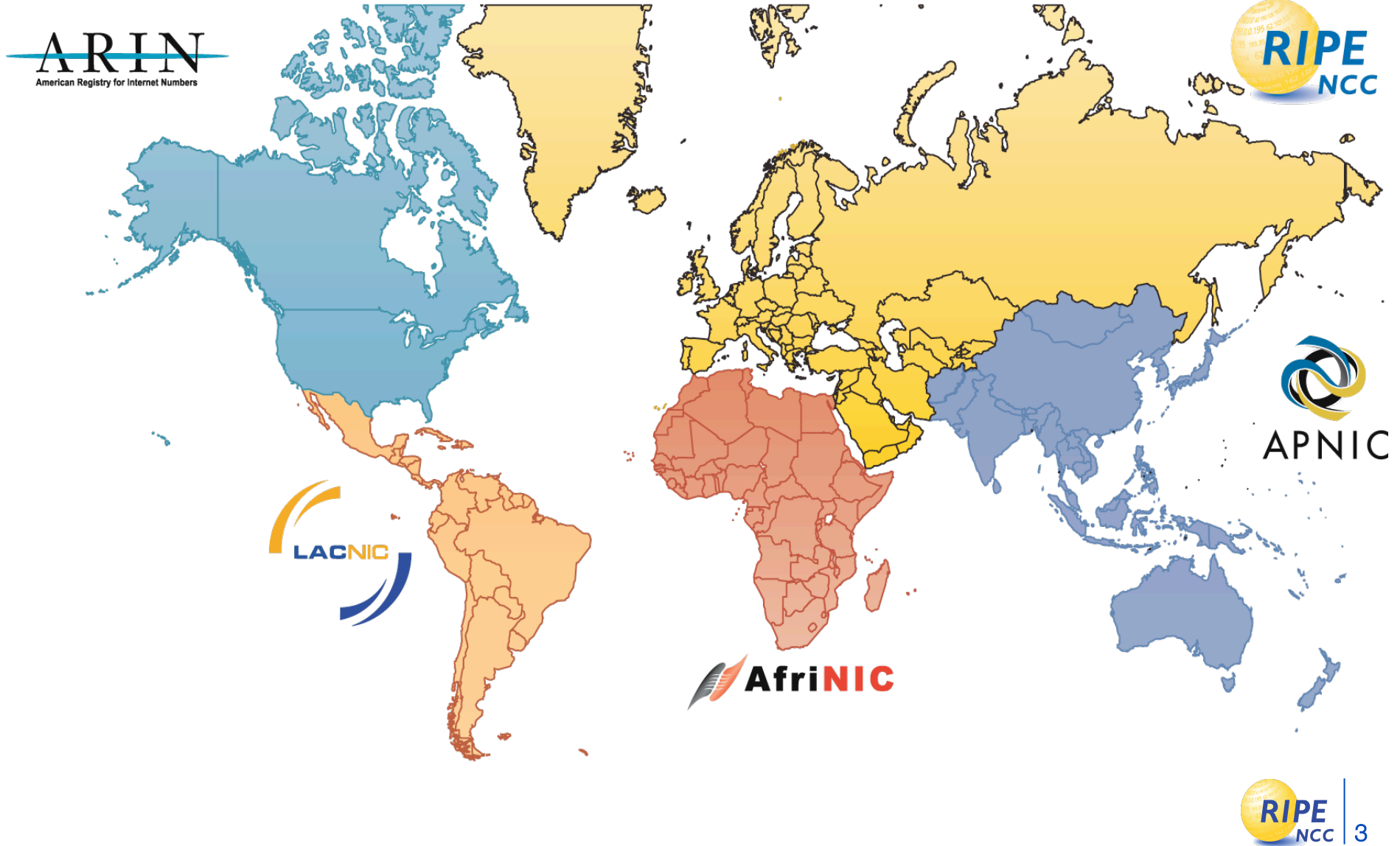
Started by the RIPE community in 1992

One of five RIRs

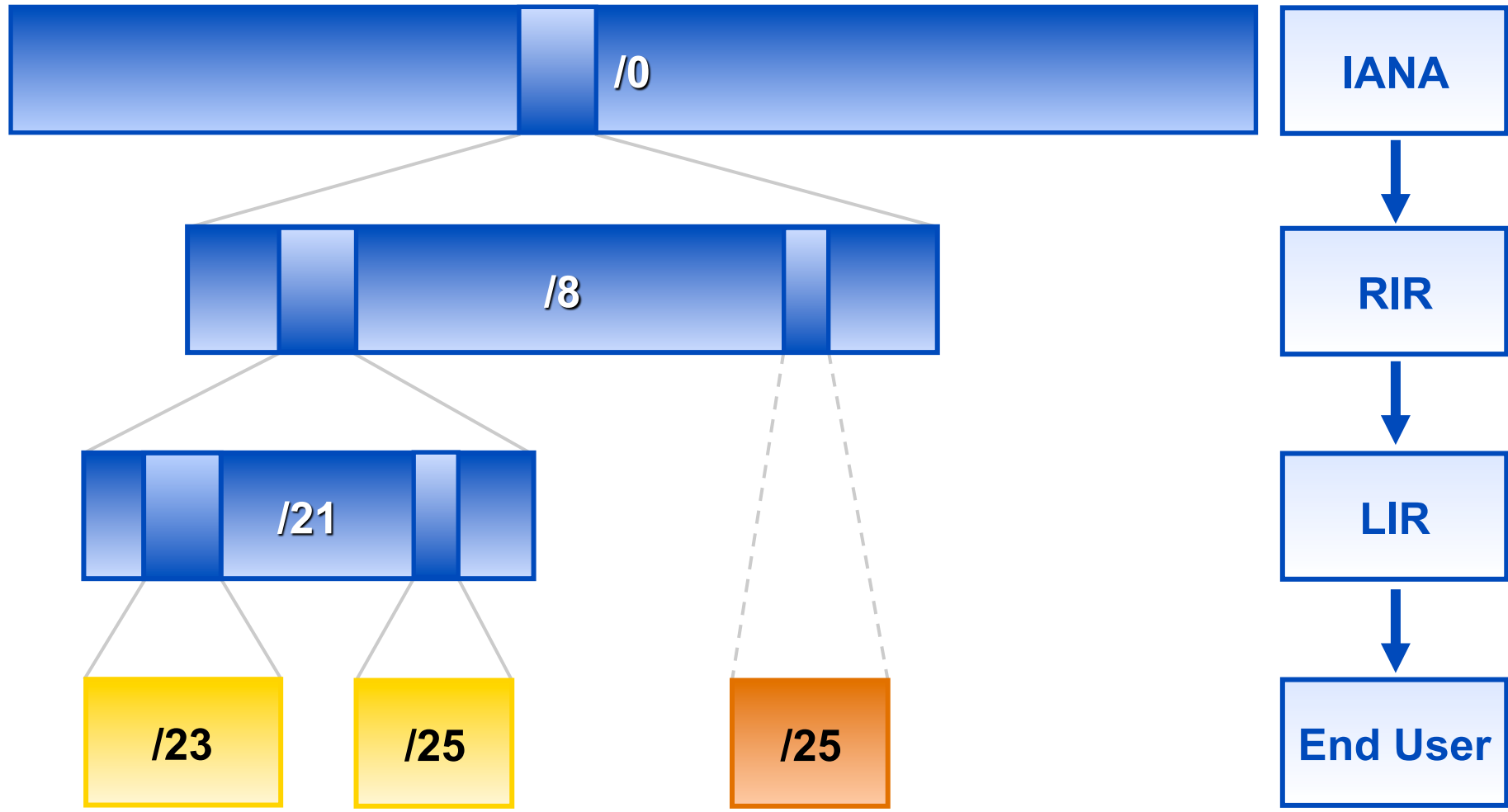


# The 5 RIRs

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# IP Address Distribution



 Allocation       PA Assignment       PI Assignment



# Registration



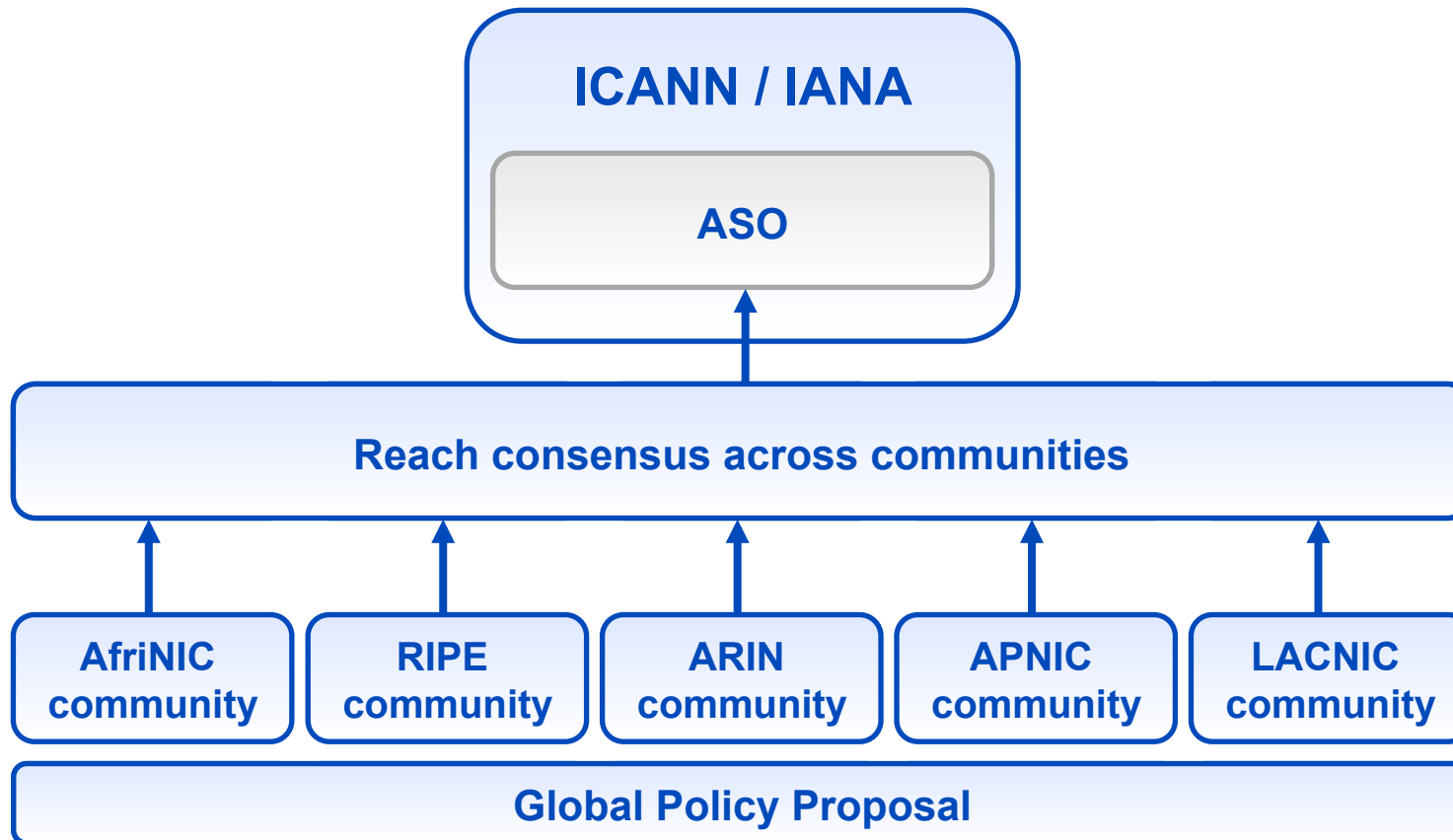
# Conservation



# Aggregation

# How Policy Is Made

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# Three views on the move to IPv6

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Who needs IPv6? We have NAT!

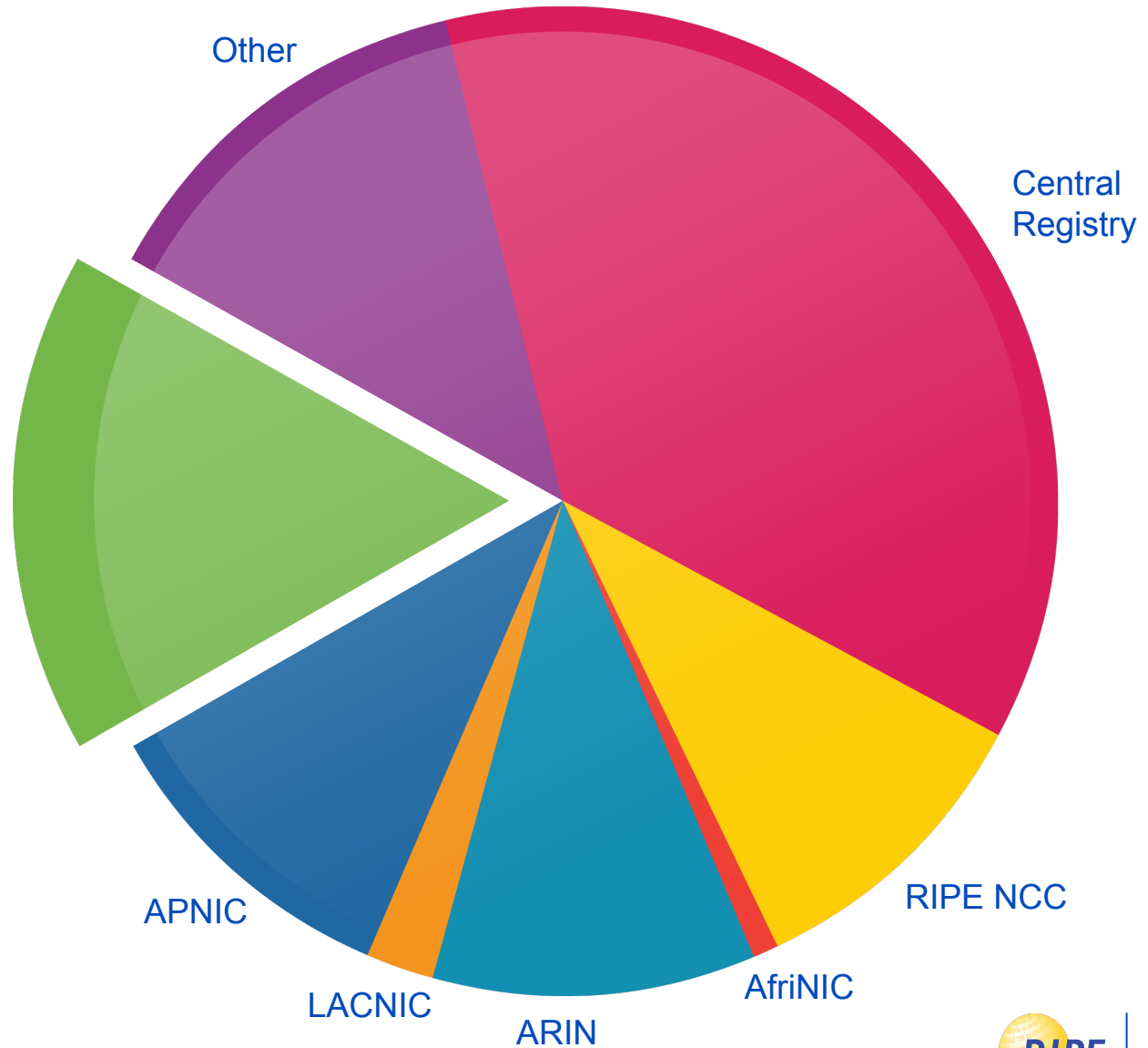
We'll move when staying with IPv4 hurts too much

We'll move before IPv4 runs out, smoothly

# IPv4 Address Pool - Now

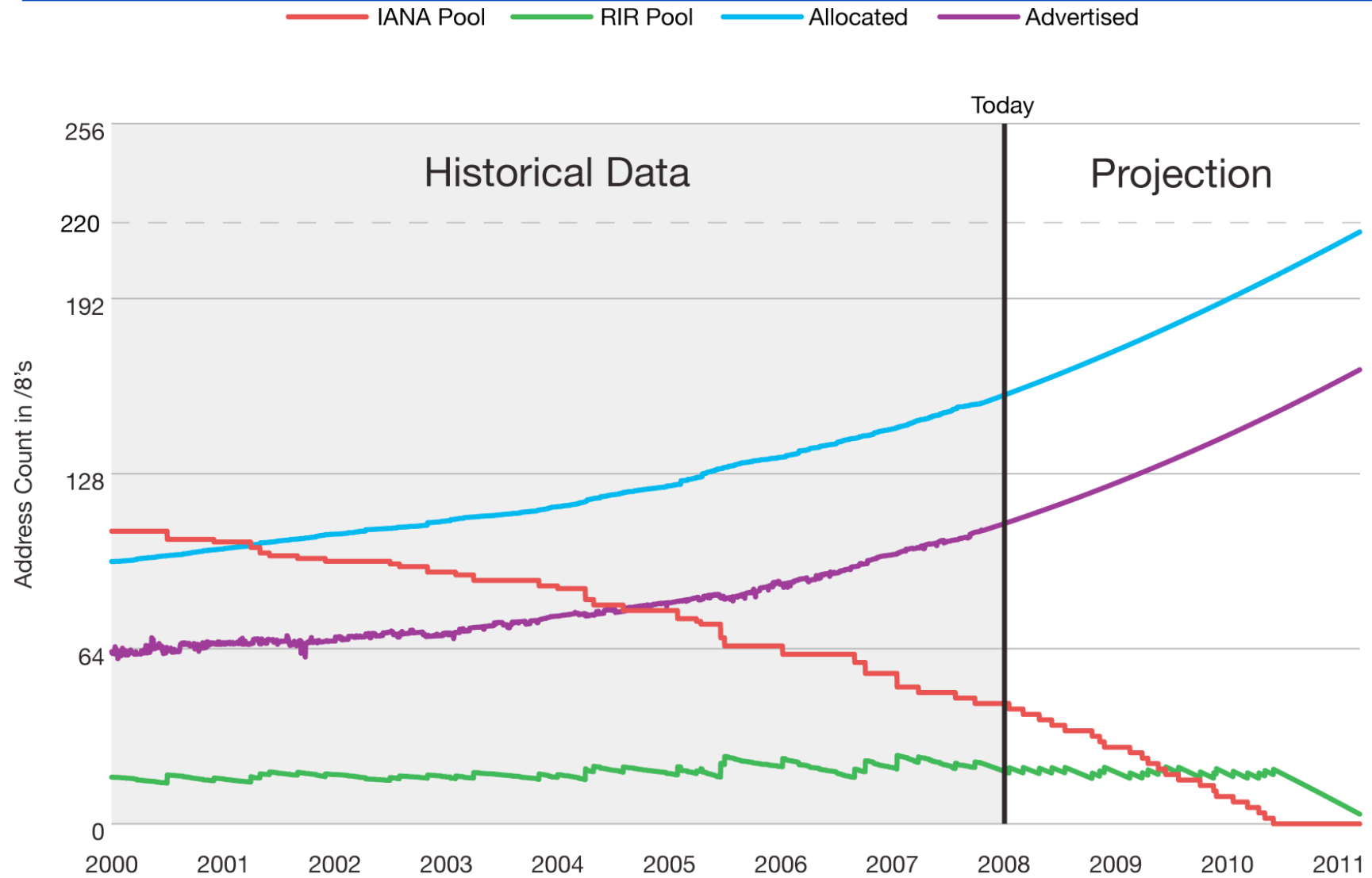
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15%  
available



source: <http://potaroo.net>

# IPv4 Address Pool - The Future



# Allocations and PI assignments this year

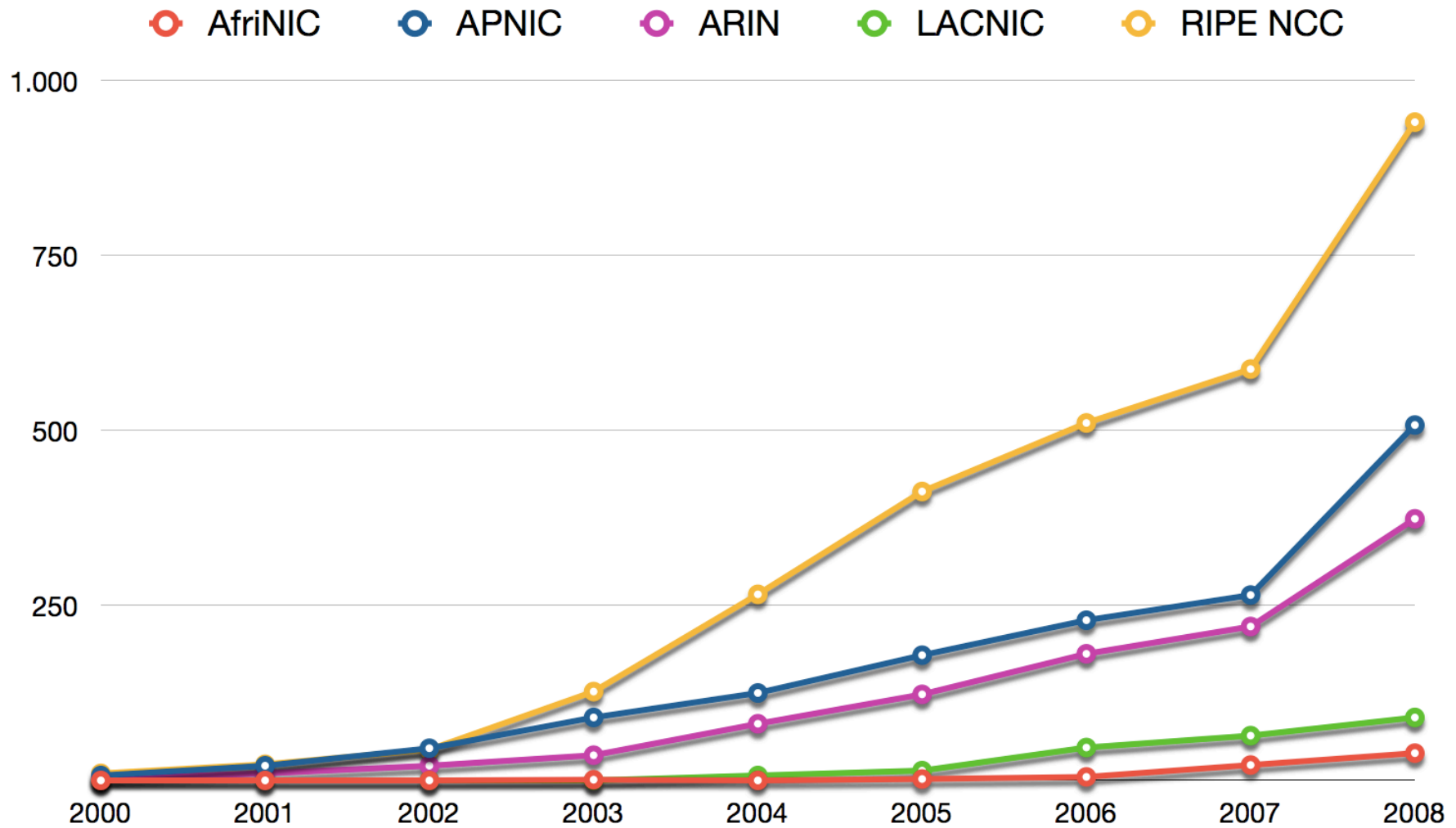
IPv4 PA: 1110

IPv4 PI: 1434

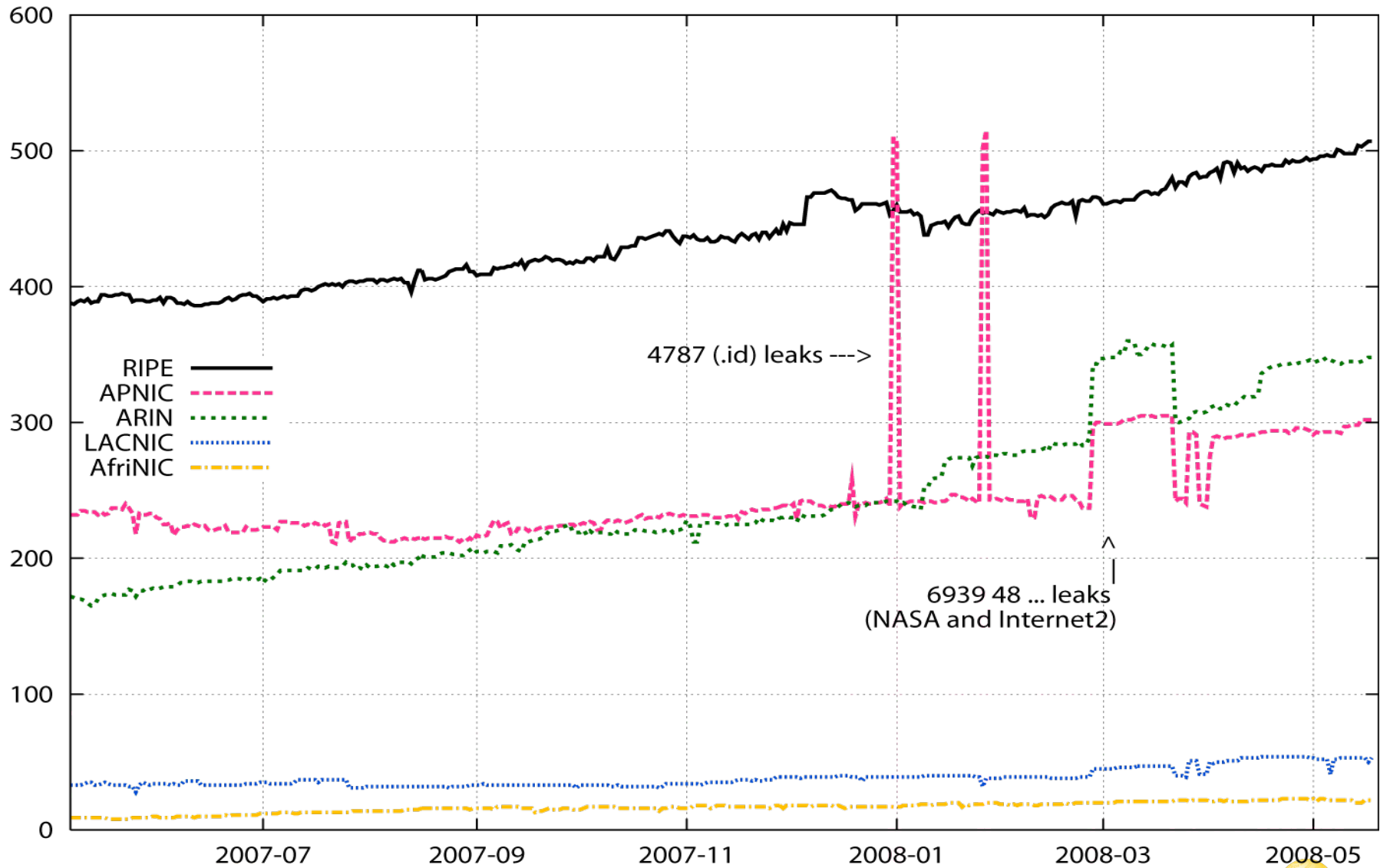
IPv6: 265

data as of 5 September 2008

# IPv6 Allocations by Region



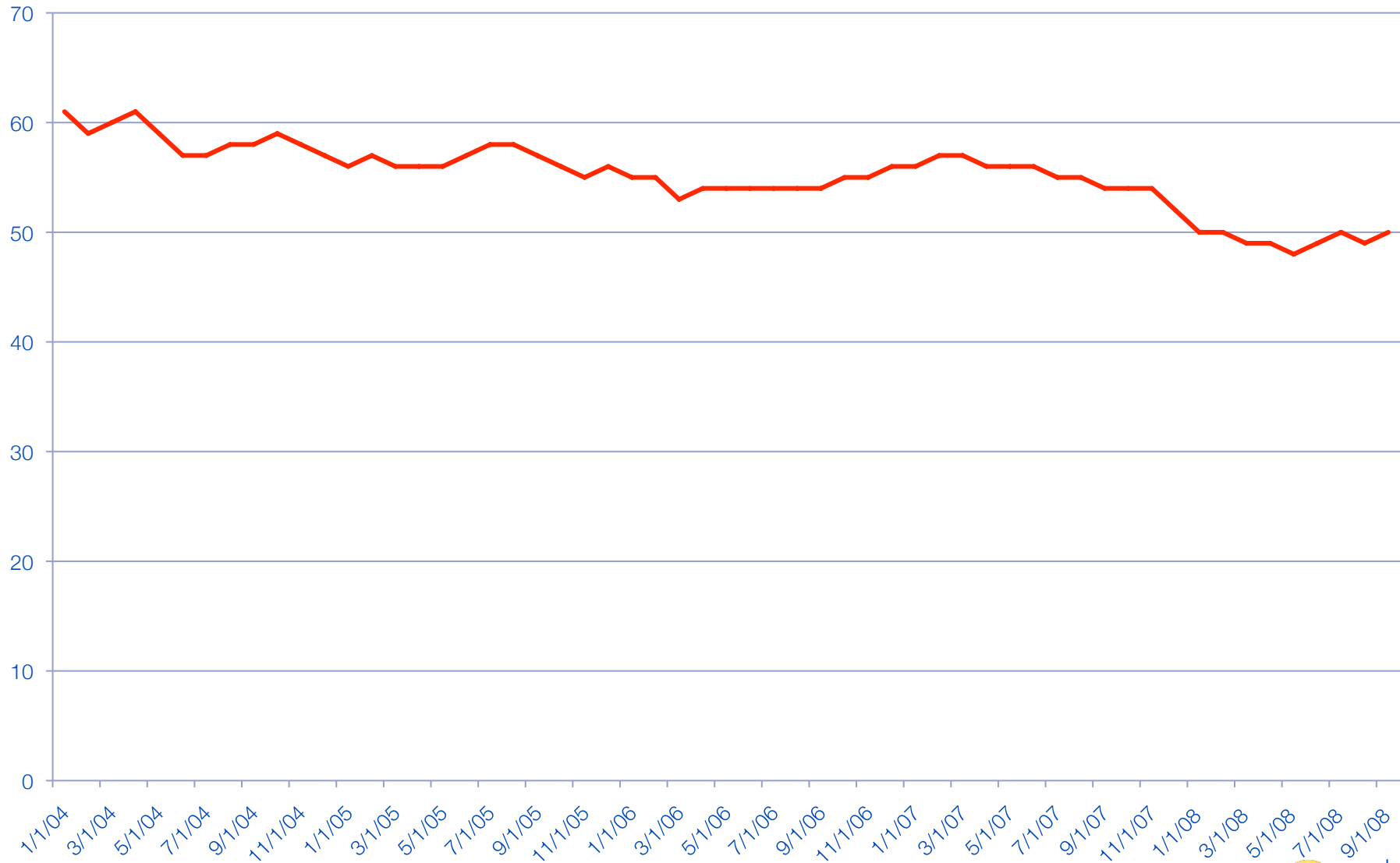
# IPv6 Prefixes by Region



Graph by Gert Doering, from <http://www.space.net/~gert/RIPE/R56-v6-table.pdf>



# Percentage of Announced IPv6 Allocations





More information:

[www.ripe.net](http://www.ripe.net)

[arno@ripe.net](mailto:arno@ripe.net)