



# INTERNET NUMBER RESOURCE STATUS REPORT

As of 31 December 2012

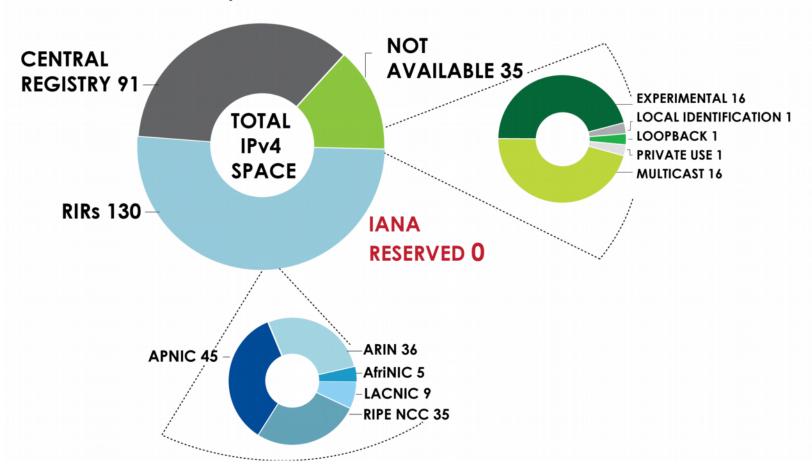
Prepared by
Regional Internet Registries
AFRINIC, APNIC, ARIN, LACNIC and the RIPE NCC



## NRO IPV4 ADDRESS SPACE

What is the status of each of the 256 /8s?

### STATUS OF 256 /8s IPv4 ADDRESS SPACE





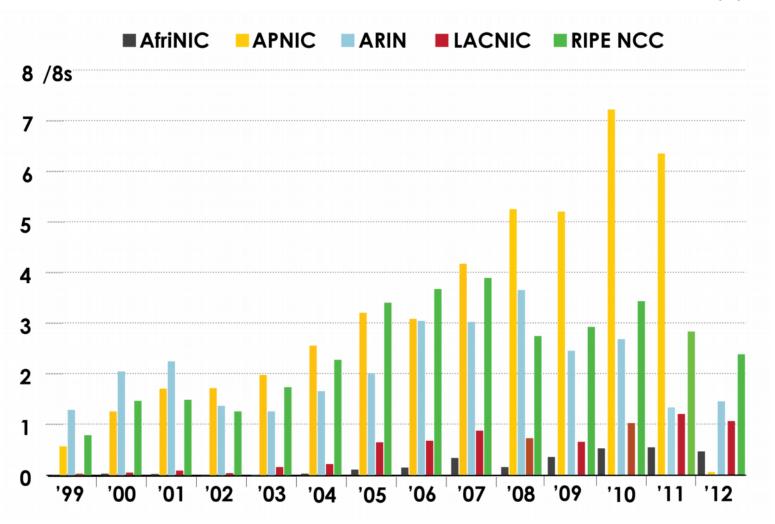
## NRO AVAILABLE IPv4 /8s IN EACH RIR





# IPv4 ADDRESS SPACE ISSUED (RIRs TO CUSTOMERS)

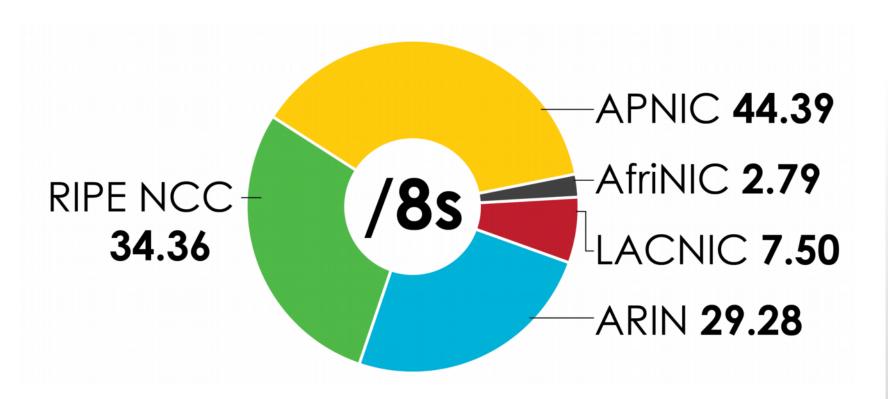
In terms of /8s, how much space did each RIR issue by year?





# IPv4 ADDRESS SPACE ISSUED (RIRs TO CUSTOMERS)

In terms of /8s, how much total space has each RIR issued? (Jan 1999 – Dec 2012)

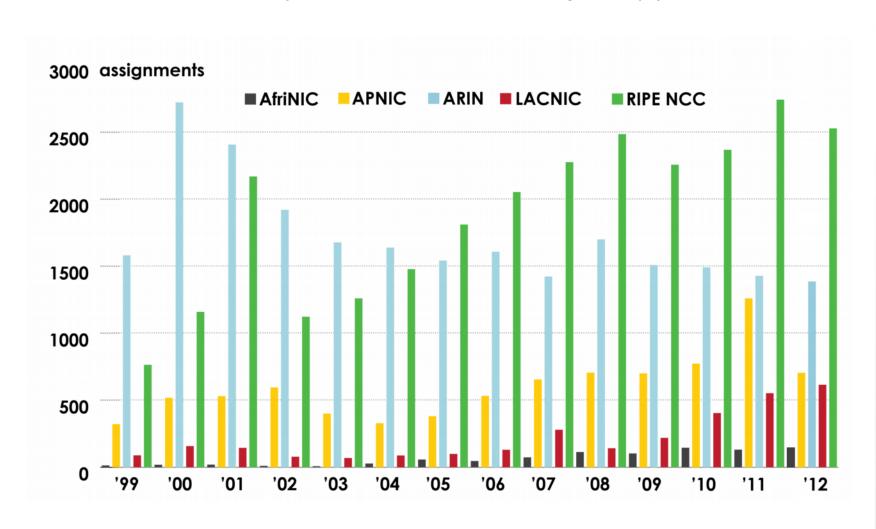


Number Resource Organization



# ASN ASSIGNMENTS (RIRs TO NRO CUSTOMERS)

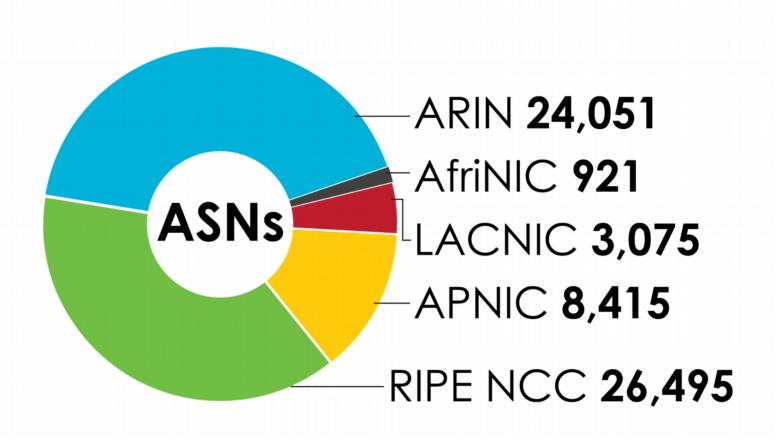
How many ASNs has each RIR assigned by year?





## NRO ASN ASSIGNMENTS (RIRS TO CUSTOMERS)

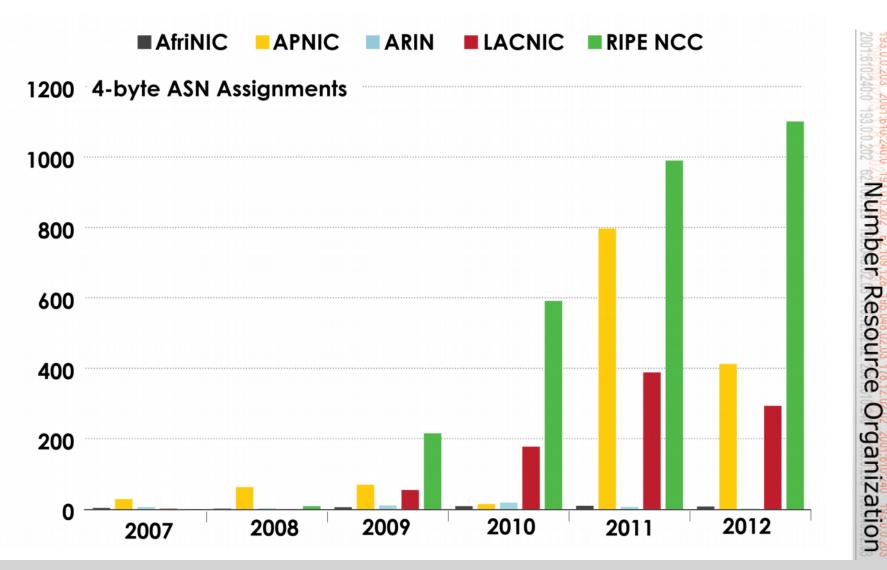
How many total ASNs has each RIR assigned? (Jan 1999 – Dec 2012)





## **4-BYTE ASN ASSIGNMENTS**

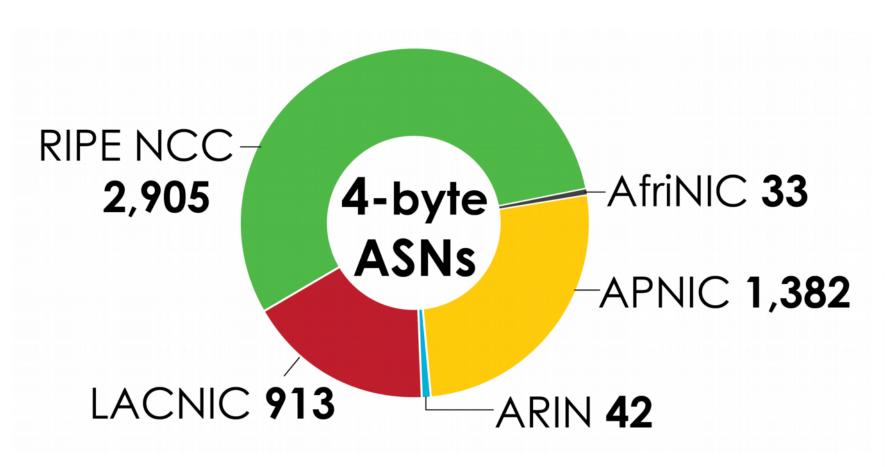
How many 4-byte ASNs has each RIR assigned by year?





## 4-BYTE ASN ASSIGNMENTS

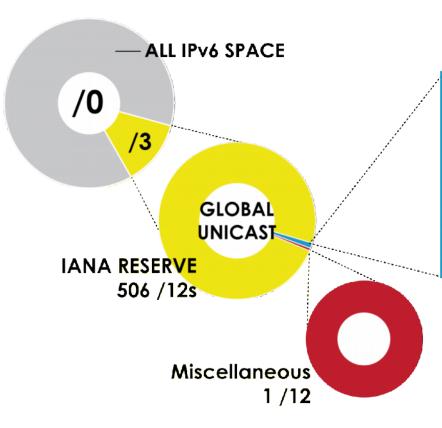
How many total 4-byte ASNs has each RIR assigned? (Jan 2007 – Dec 2012)



Number Resource Organization

# Number Resource Organization

How much has been allocated to the RIRs?



RIRs 5 /12s (October 2006)

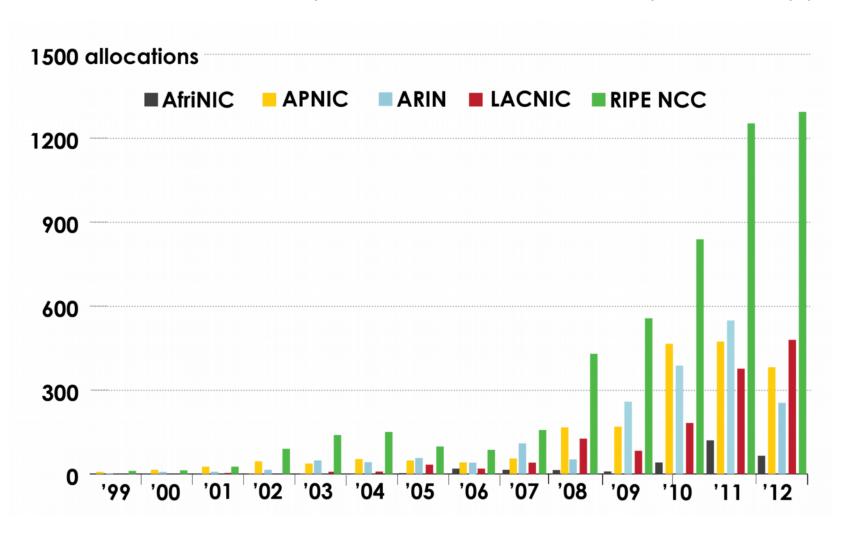
RIR	IPv6 ADDRESS
AfriNIC	2C00:0000::/12
APNIC	2400:0000::/12
ARIN	2600:0000::/12
LACNIC	2800:0000::/12
RIPE NCC	2A00:0000::/12



## **IPv6 ALLOCATIONS**

## (RIRs TO LIRs/ISPs)

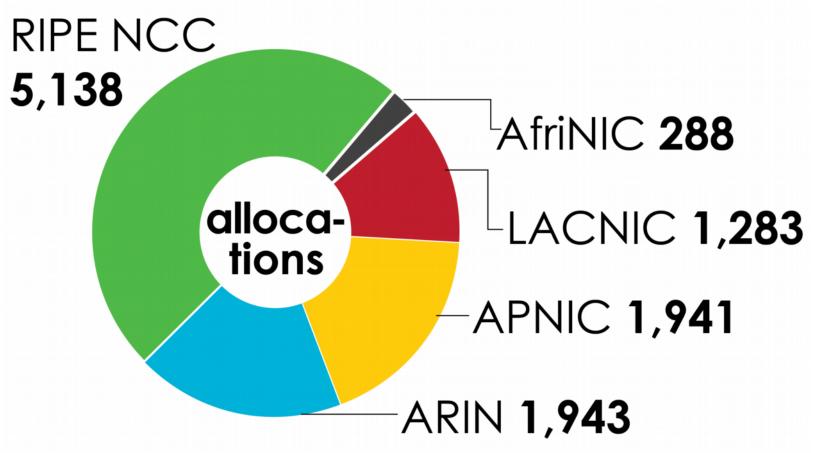
How many allocations have been made by each RIR by year?





# IPv6 ALLOCATIONS (RIRs TO LIRs/ISPs)

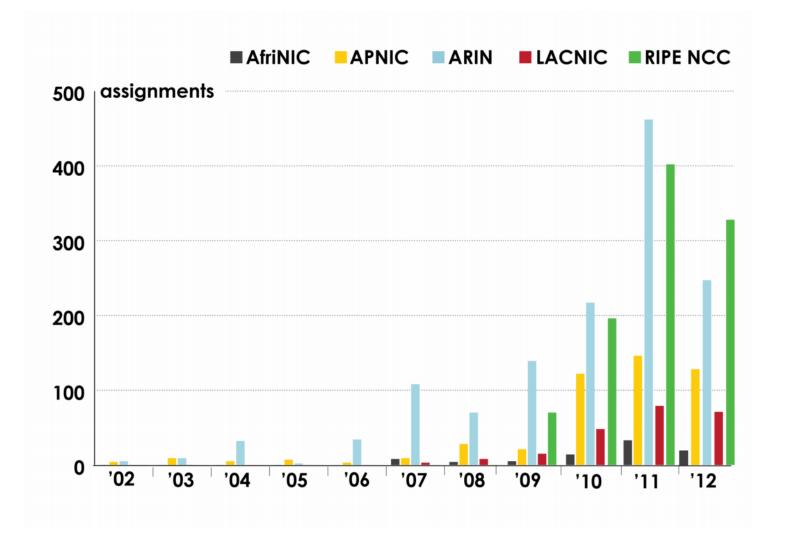
How many total allocations have been made by each RIR? (Jan 1999 - Dec 2012)





## NRO IPv6 ASSIGNMENTS RIRS TO END-USERS

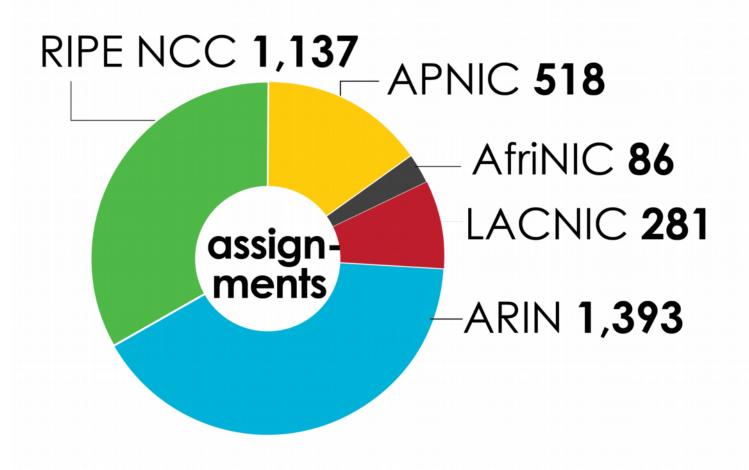
How many assignments have been made by each RIR by year?





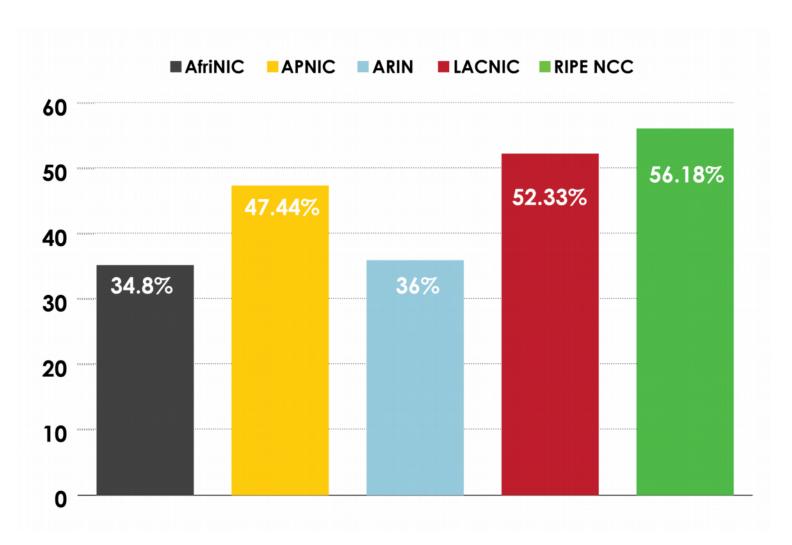
# IPv6 ASSIGNMENTS (RIRs TO END-USERS)

How many total assignments have been made by each RIR? (Jan 2002 – Dec 2012)





# PERCENTAGE OF MEMBERS WITH BOTH IPv4 AND IPv6 IN EACH RIR



# NRO LINKS TO RIR STATISTICS

- RIR Stats:
   www.nro.net/statistics
- Raw Data/Historical RIR Allocations:

   www.iana.org/assignments/ipv4-address-space
   www.iana.org/assignments/as-numbers
   www.iana.org/assignments/ipv6-unicast-address-assignments

# THANK YOU