

Resource Services Update

Afrinic-11

Dakar, Senegal 2009

Ernest

**Spearheading Internet technology and policy
development in Africa**

Resource Services

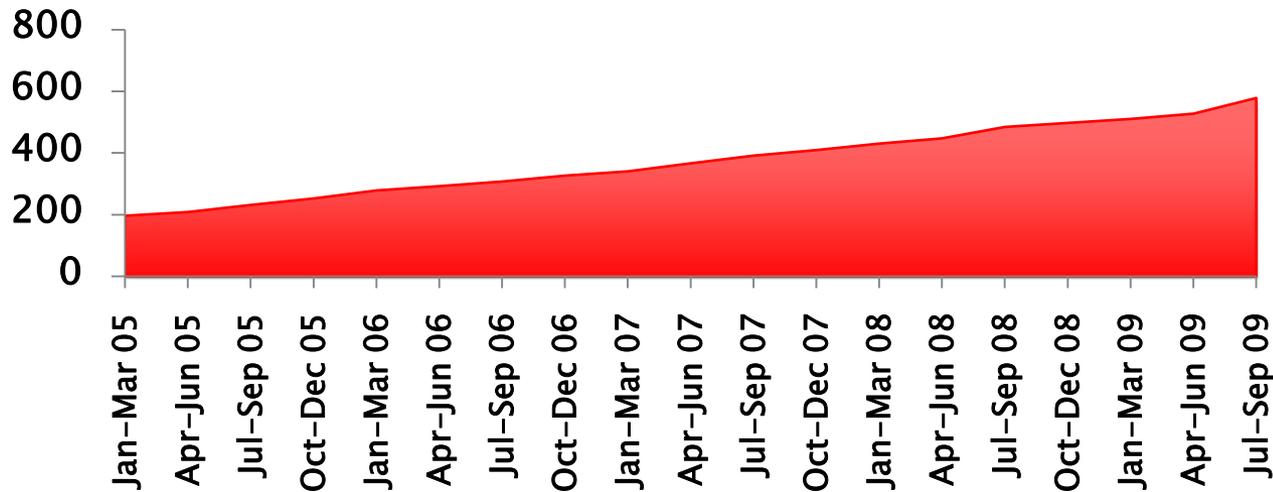
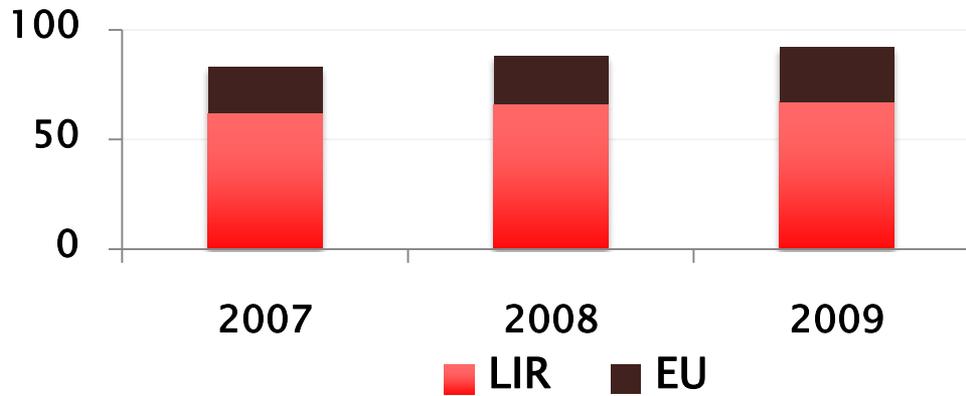
3 Core Activities:

- Membership Processing
- Number Resource Processing
- Member Support

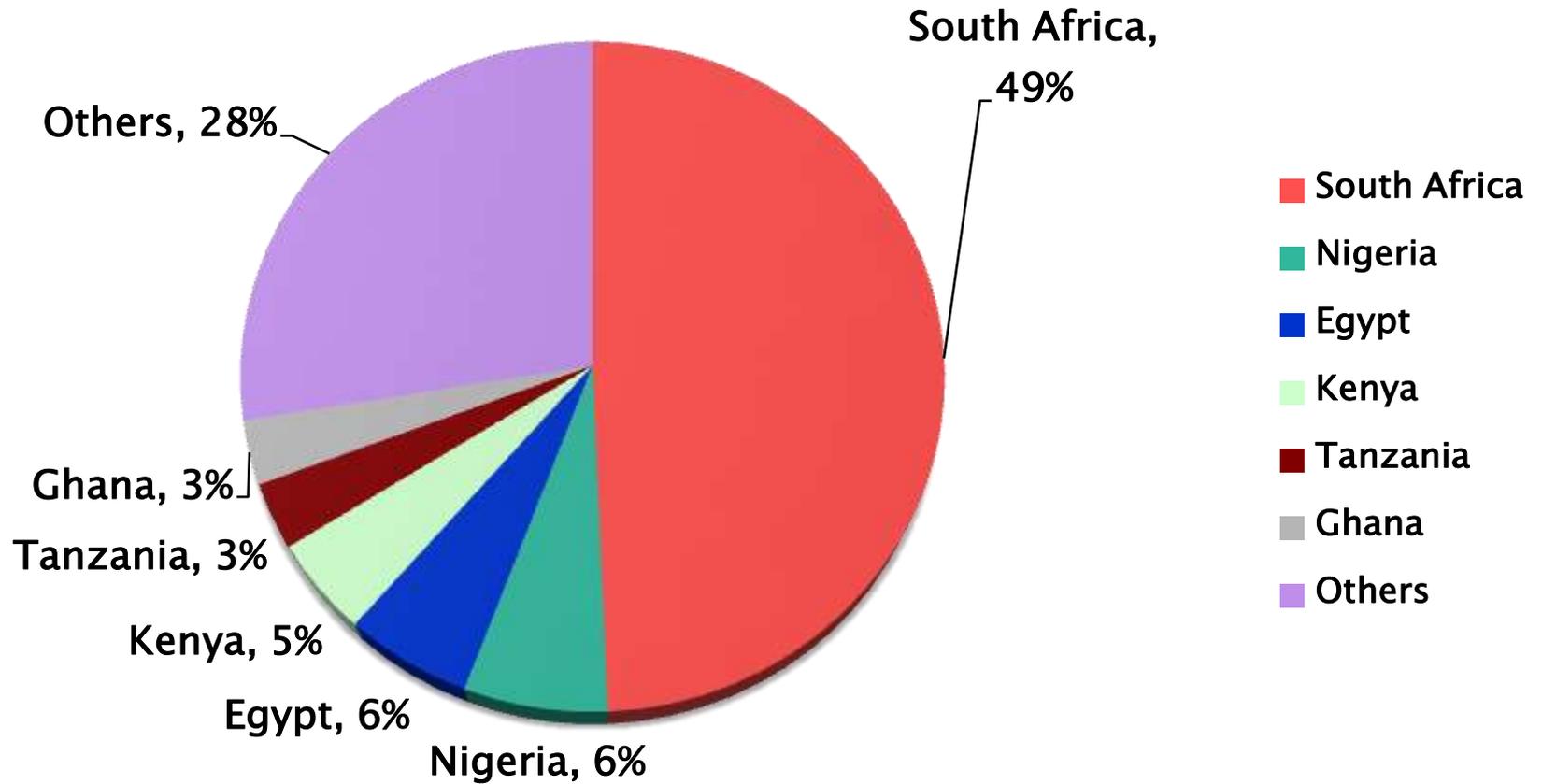
Membership

- 1st (mandatory) step to obtaining address space & other services
- (legally) Located in Afrinic region of service
- 2 categories – LIRs (usually ISPs) and End-Users.

Membership



Distribution



IPv4

Current Address Pool:

41 / 8

ISP Allocations

196 / 8

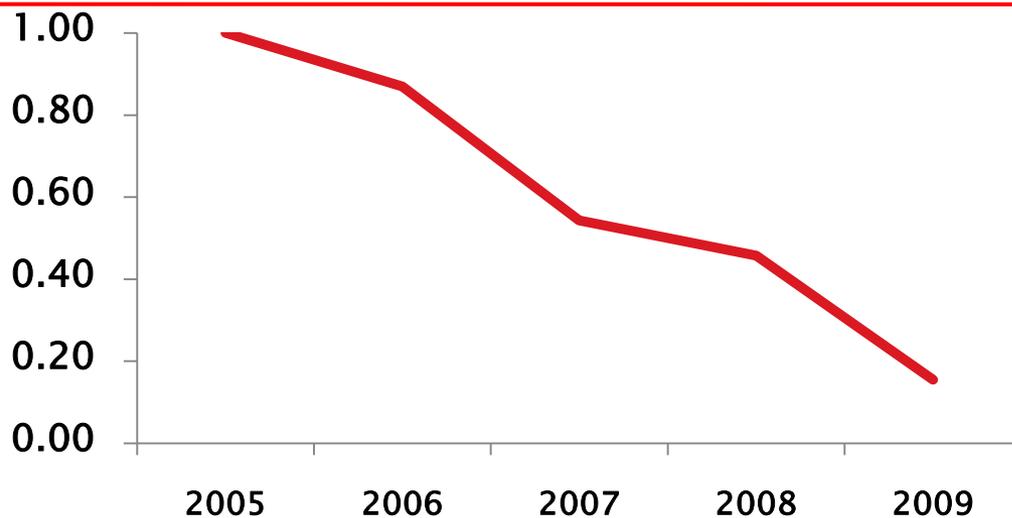
PI (EU), Critical Infra.

197 / 8

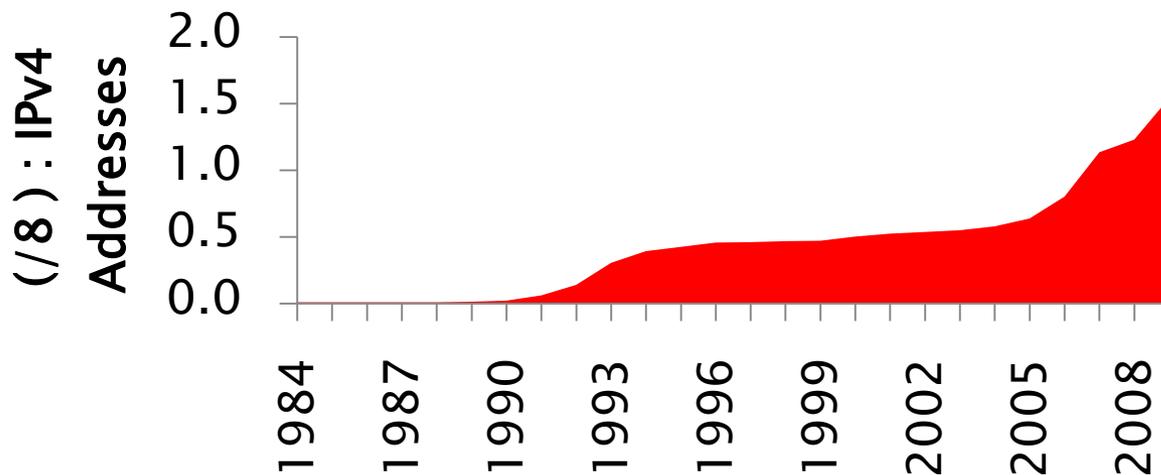
ISP Allocations

- ▶ “Expected” Address Pool:
 - NRO Legacy Space redistribution:
 - *394 /16s from various /8s*
 - Global Policy for the Allocation of the Remaining IPv4 Address Space (ratified by ICANN Board on 6 March 2009):
 - *1(one) /8 (from last 5)*

IPv4

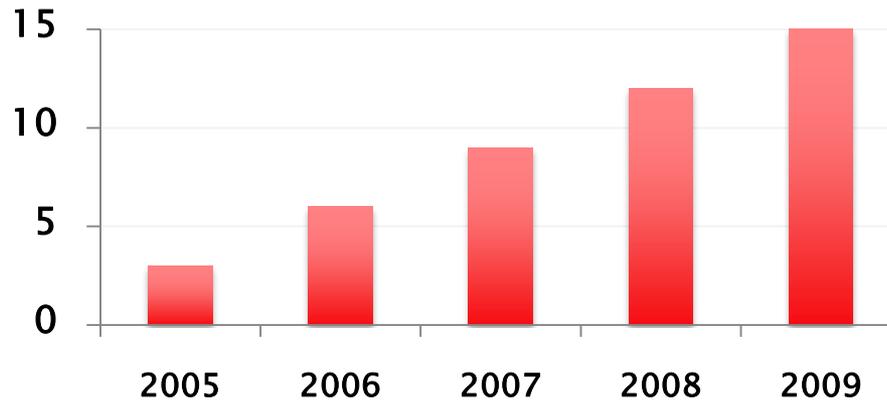


**41/8
consumption /
utilization**



**Total allocation /
assignment growth**

Critical Infra Assignments

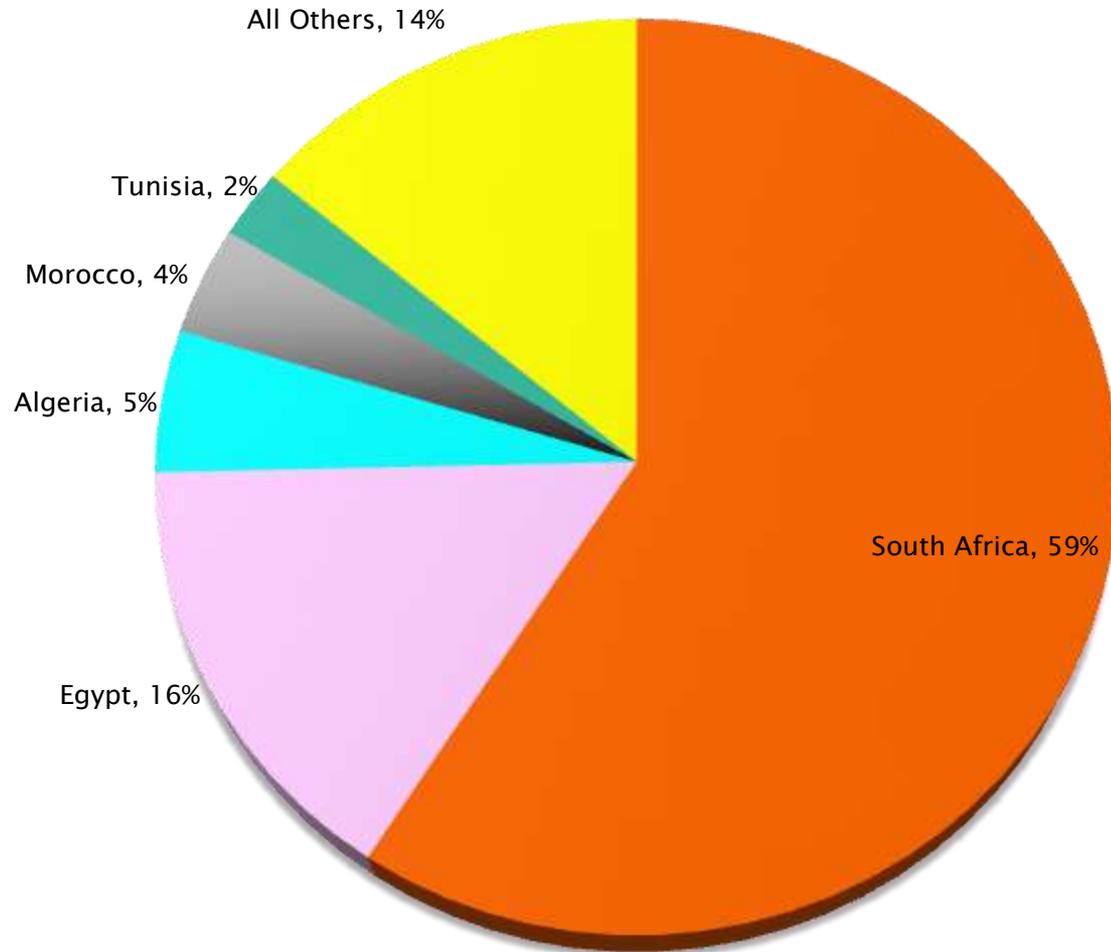


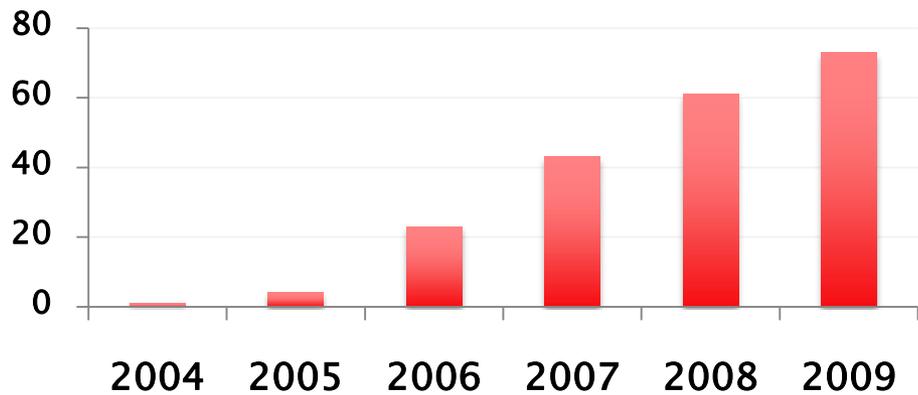
Status:
13 : IXP
2 : RIR

Critical Infrastructure:

- Internet Exchange Points
- Root Server Operators
- RIRs

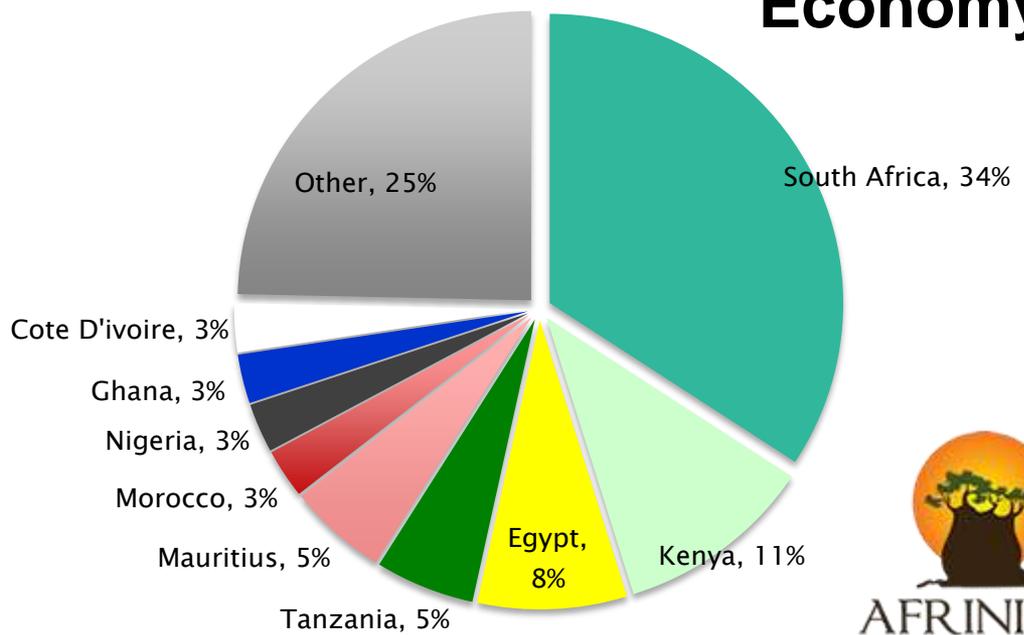
Distribution - IPv4





Total Allocations and Assignments

Distribution by Economy



Critical Infrastructure Assignments:

2008 : 1

2009 : 2

V6 in 28 countries so far

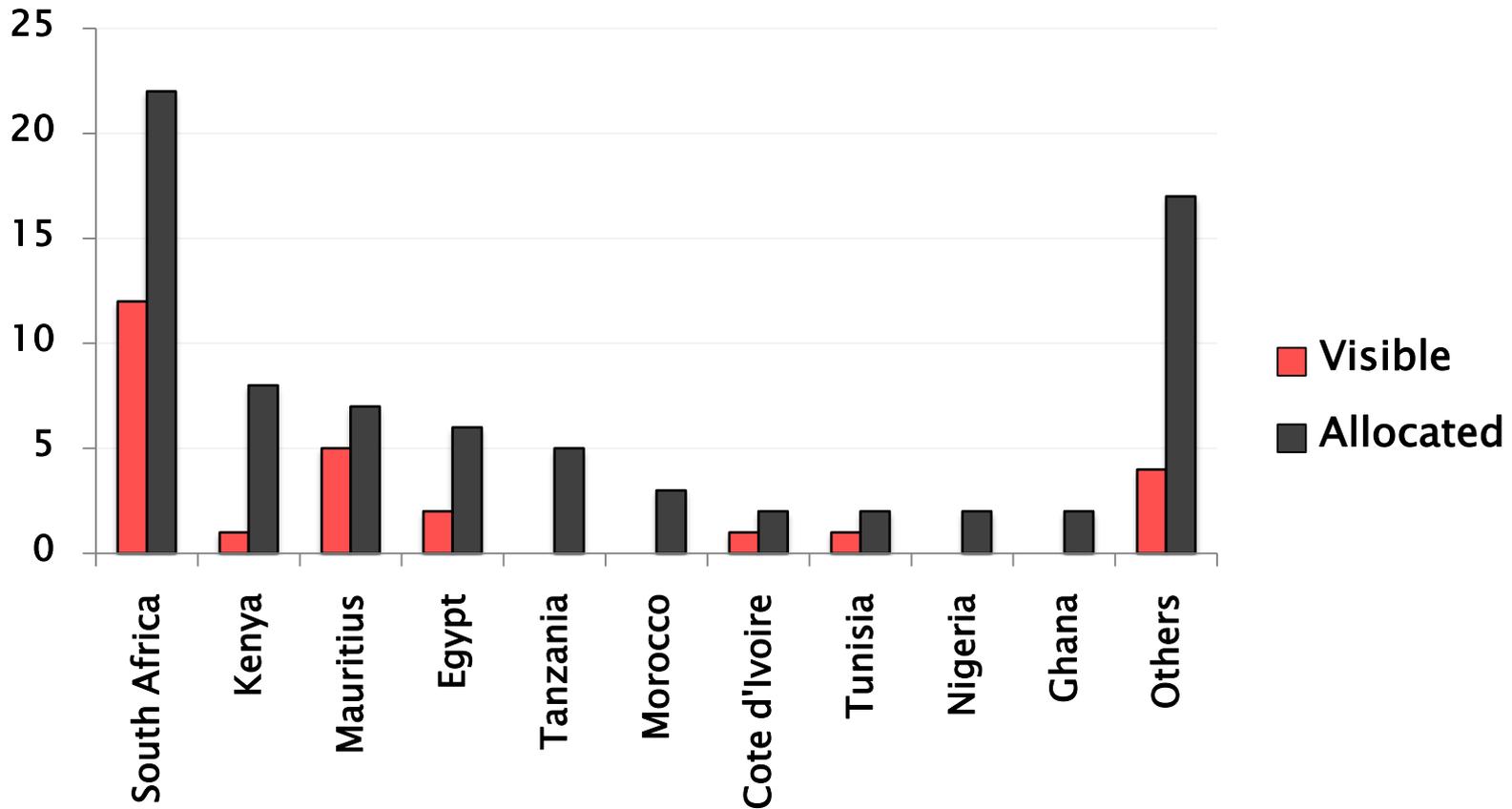
-
- ▶ **Total prefixes issued:** 72
 - ▶ **Total Visible:** 26

Africa – % routed: 34%

Other Regions:

- North America 37%
- Asia Pacific 42%
- Latin America & Caribbean 31%
- Europe 51%

IPv6



Allocated vs Routed v6 prefixes

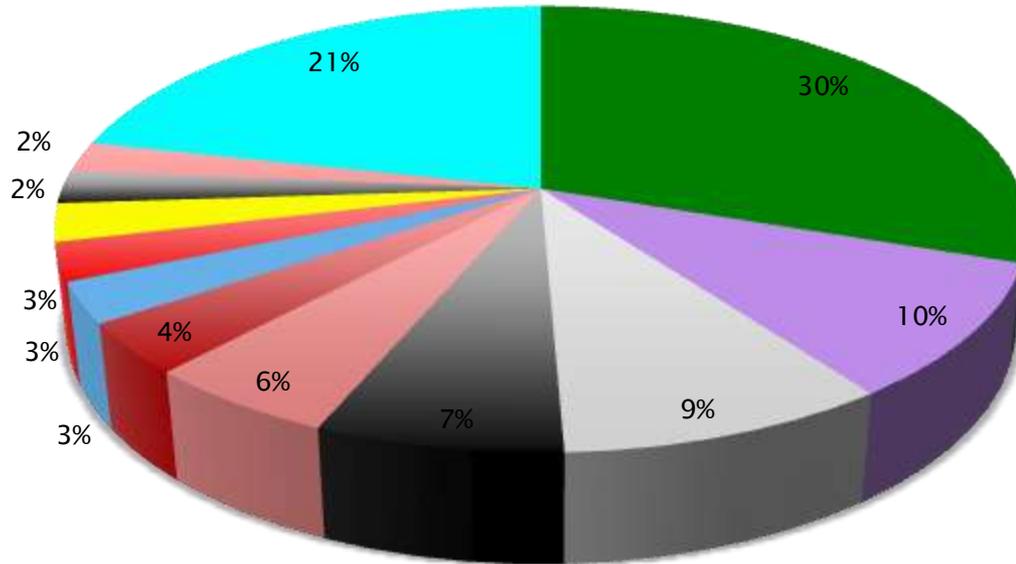
- ▶ 42 of the non-routed prefixes issued before Nov 2008
- ▶ Policy requirement:
 - “ ... should plan to announce the prefix as a single aggregated block in the inter-domain routing system within twelve months. “

ASN Numbers

- ▶ Now: Assigning either 16- or 32-bit (requester specified).
- ▶ From Jan 2010: Assign from 32-bit pool by default. (RIR can issue either 16- or 32-bit, requestor has no choice).
 - *Proposal to push this date to 2011**

- ▶ Total ASNs: 545
- ▶ 32-bit ASNs: 8 (since '07)
- ▶ 32-bit returned: 3

ASN Distribution



- ▶ One Man Dept
 - Now Hiring
- ▶ Contact us:
 - rs@afrinic.net

Thank You