AFRINIC Report

ARIN 43,
Bridgetown,Barbados

Patrisse Deesse,
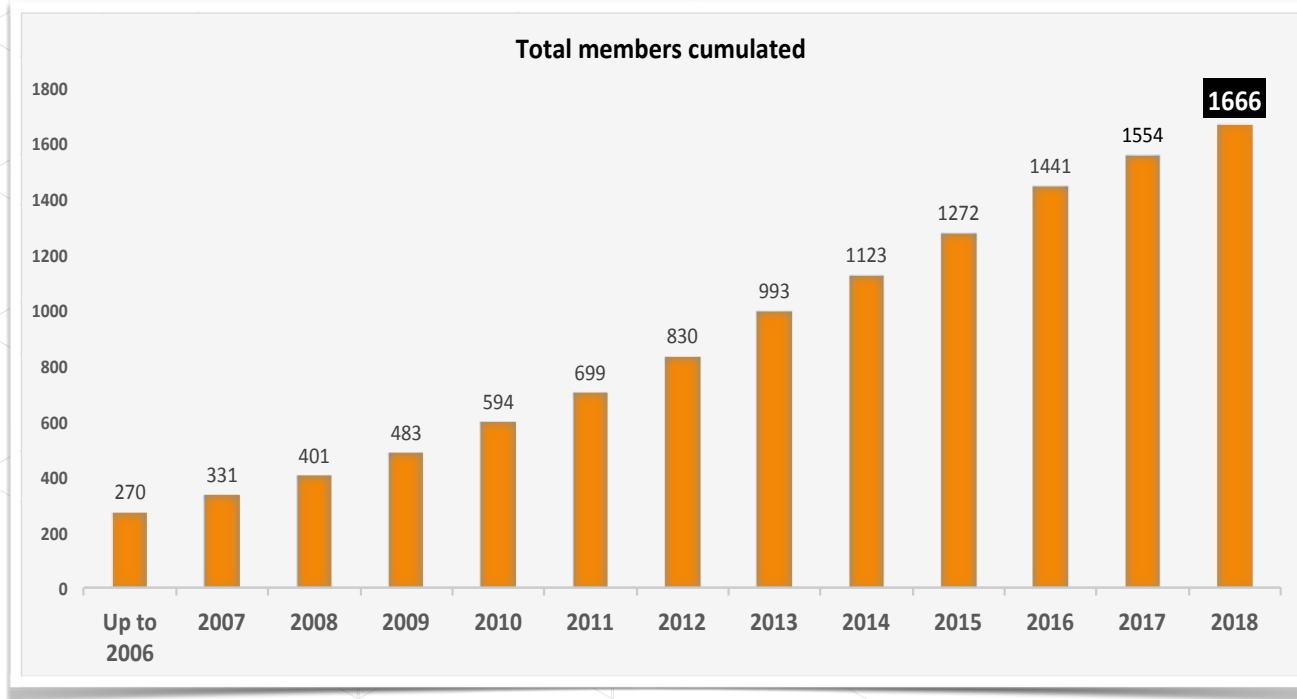**Director, Finance & Accounting , AFRINIC**

9th April 2019

Service Region

- 5th RIR created in 2005; HQ in Mauritius

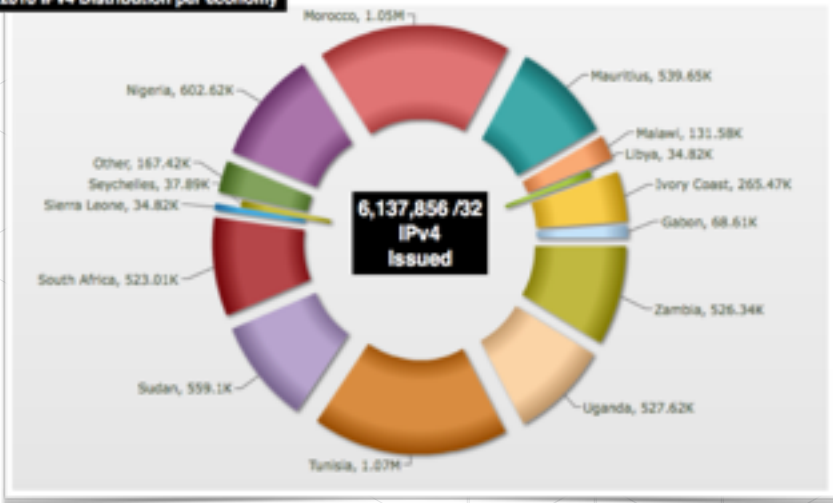- Serving 55 economies in Africa and Indian ocean
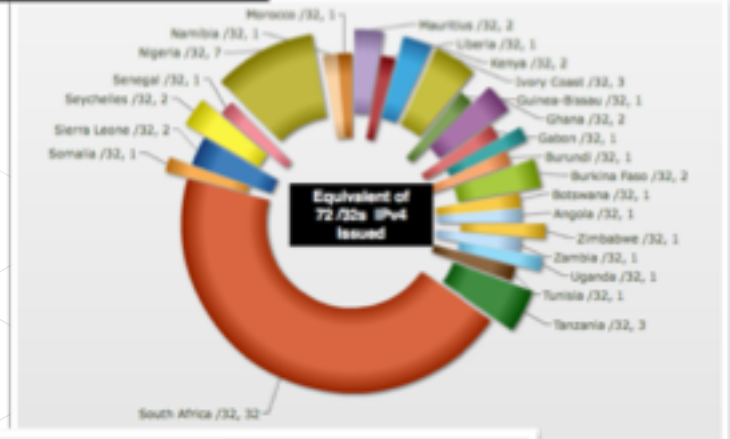
- 49 dedicated staff

Membership

Total members cumulated

Year	Members
Up to 2006	270
2007	331
2008	401
2009	483
2010	594
2011	699
2012	830
2013	993
2014	1123
2015	1272
2016	1441
2017	1554
2018	1666

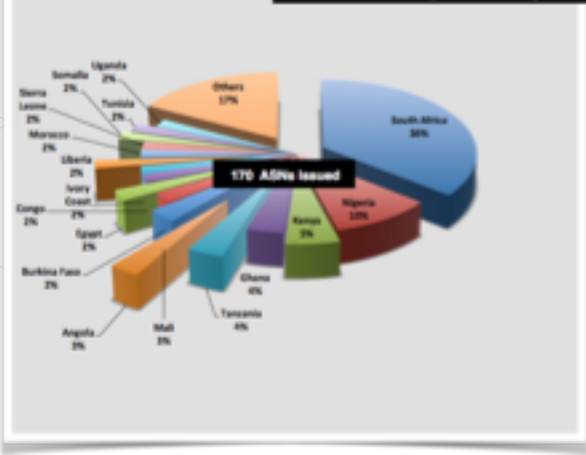158 new members in 2018

3

IP Distribution

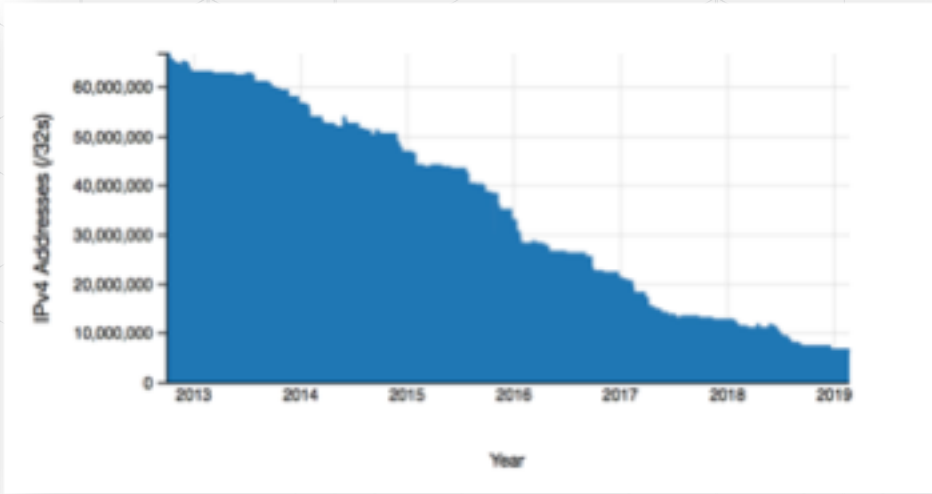2018 IPv4 Distribution per economy

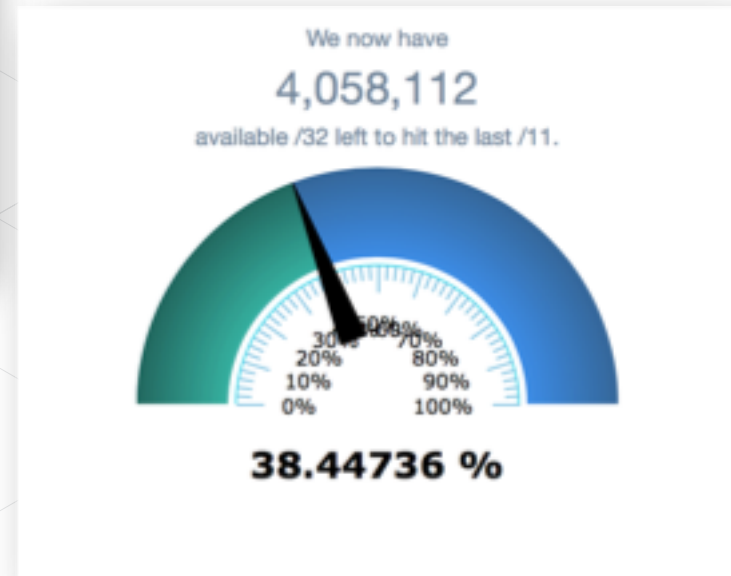

2018 IPv6 Distribution per economy

ASN Distribution per economy 2018

IPv4 Addresses Exhaustion

0.44/8 IPv4 Remaining

AFRINIC IRR & Lame Delegations

- **<u>Adoption of the AFRINIC IRR</u>**

❑ Effective September 2018, the **RIPE NCC IRR** no longer supports the creation of route(6) and **aut-num objects** that refer to **out-of-region resources**

❑ AFRINIC has removed the need for the **ASN** holder to authorise any **route** or **route6** objects in the **AFRINIC IRR**. So far 19,649 objects registered

- **<u>Lame Delegations</u>**

❑ AFRINIC has implemented the policy **Lame Delegations in the AFRINIC reverse DNS**.

❑ AFRINIC is still working to eliminate non-compliant **nameservers** from the **WHOIS database**

❑ Decrease in the number of lame delegations over the past months from 40,000 to 13,700 as at end of Dec 2018

42% of members using AFRINIC IRR

IPv6 Policies update

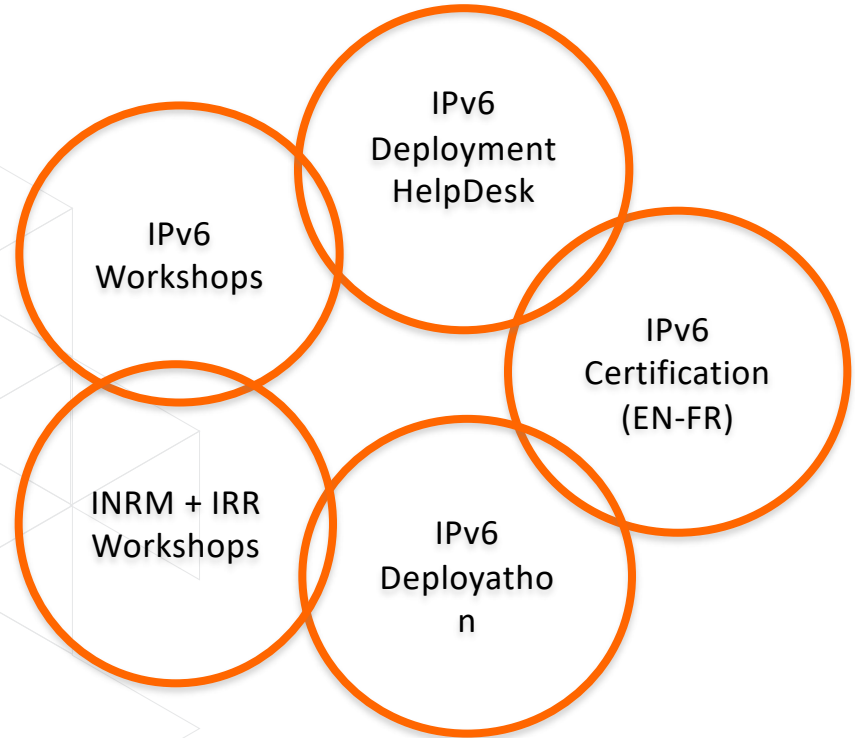| No.	Policy	Brief	Status
1	**IPv6 Policy and References Update**	Removes/corrects several inconsistencies in current **IPv6** policy text and improves on the definition for "utilization"	Implemented
2	**IPv6 PI Update**	Updates the relevant text in the **CPM** to accommodate the possibility to obtain **IPv6 PI** space even if the requesting party has no **IPv4 PI** space.	(Partly) Implemented – pending automation of some elements
3	**IPv6 Initial Allocation Update**	Ensures policy text is aligned with a wider set of possible **IPv6** deployment cases and facilitates easier justification of subsequent allocations.	Implemented
4	**Clarification on IPv6 Sub-Assignments**	Restricts the re-assignment (or sub-assigning of) **IPv6** fragments from an **IPv6** PI block.	Pending Board ratification

Other Policies under discussion

No.	Policy	Brief	Status
1	**AFRINIC PDP-bis**	Proposes changes to the current **PDP**	Under discussion
2	**Internet Number Resources' Review**	Allows AFRINIC to conduct routine (or **whistle-blower triggered**) resource audits on members.	Under discussion
3	**Abuse Contact Policy Update**	Aims to solve the problem of contact information that is inaccurate for reporting abuse incidents from concerned IP address blocks	Under discussion
4	**Clarification on temporary resource usage**	Restricts issuance of number resources for temporary use to IPv6 space (when the IPv4 needs are more than /22)	Under Discussion
5	**Multihoming not required for ASN requests**	Removed the need to be multi-homed in order to qualify for an ASN	Under Discussion

Other Policies under discussion

No.	Policy	Brief	Status
6	**Inter-RIR Resources Transfer**	Provides for the transfer of number resources between AFRINIC and other RIRs	Under discussion
7	**SL Update**	Minor update to "IPv4 Soft Landing" policy that revokes Board's authority to decide how the reserved /12 shall be distributed at complete runout.	Under discussion

Capacity Building

IPv6
Deployment
HelpDesk

IPv6
Workshops

IPv6
Certification
(EN-FR)

INRM + IRR
Workshops

IPv6
Deployatho
n

Over 700 engineers and managers trained in 21 countries in Africa

Research and Innovation

- 5 RIPE Atlas anchors sponsored and deployed
- 3 Research papers published on Latency and Content hosting, including a paper at IEEE Infocom 2018
- WIDER platform (World Internet Data ExploreR) - an Internet data portal (Proof of Concept) https://wider.isoc.org.za
- 2 Internet measurements workshops, including an academic workshop at AFRICOMM

FIRE Programme
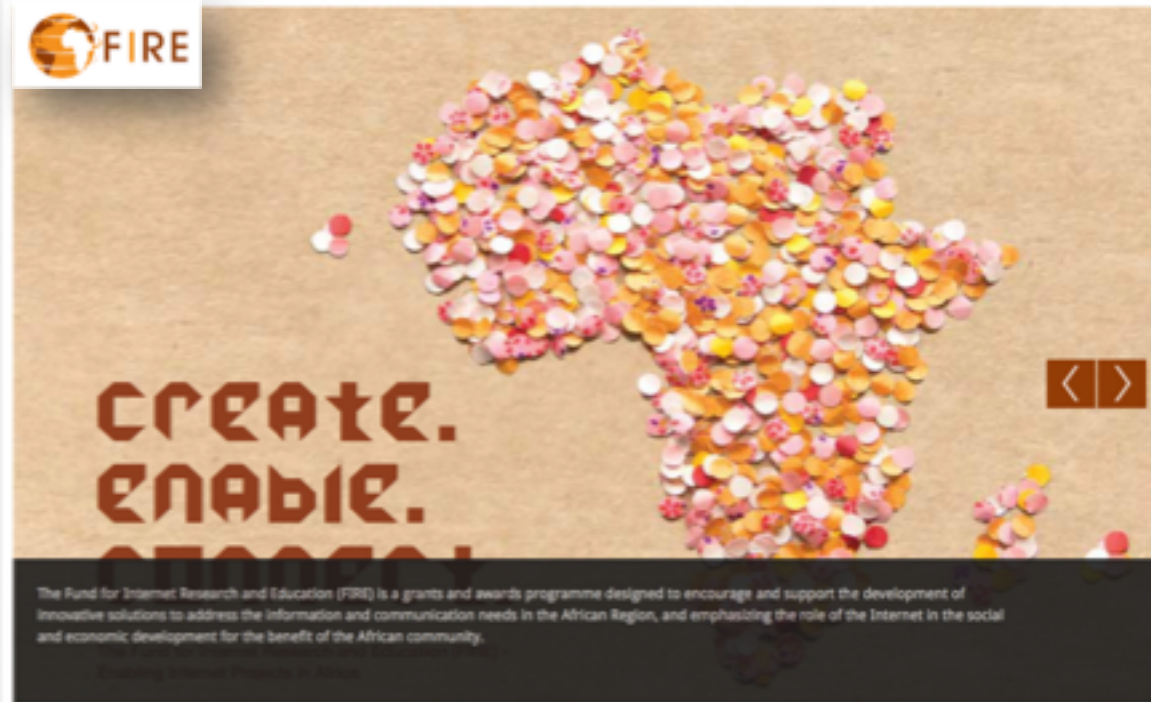
The Grants and Awards programme has supported **5** projects in 2018 for a total amount of **USD 31,500**

Thank you.

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