

AFRINIC WEBINAR SERIES

The AFRINIC Ecosystem: An Introduction to AFRINIC

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AFRINIC

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AGENDA

- Ecosystem
- Services
- Governance
- Internet Development Programmes



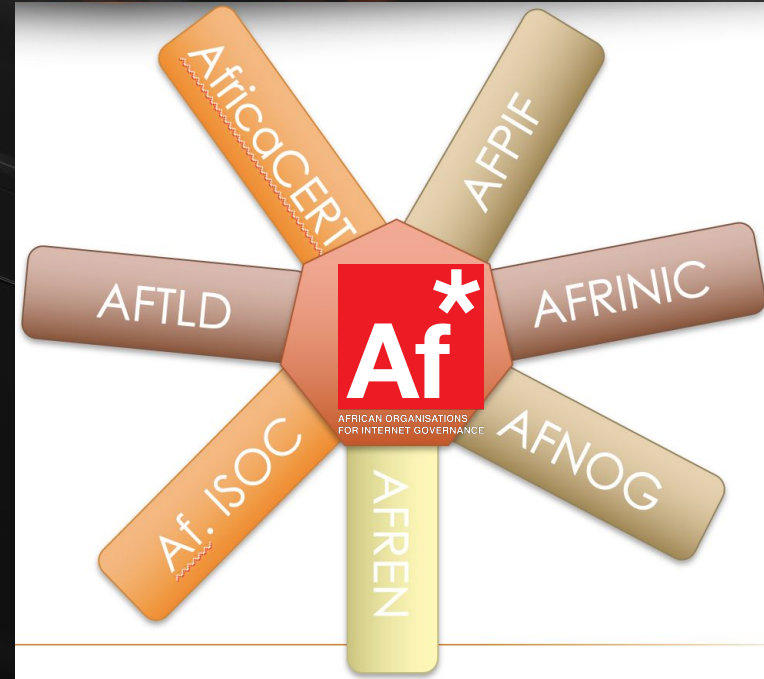
AFRINIC Ecosystem

AFRINIC stakeholders

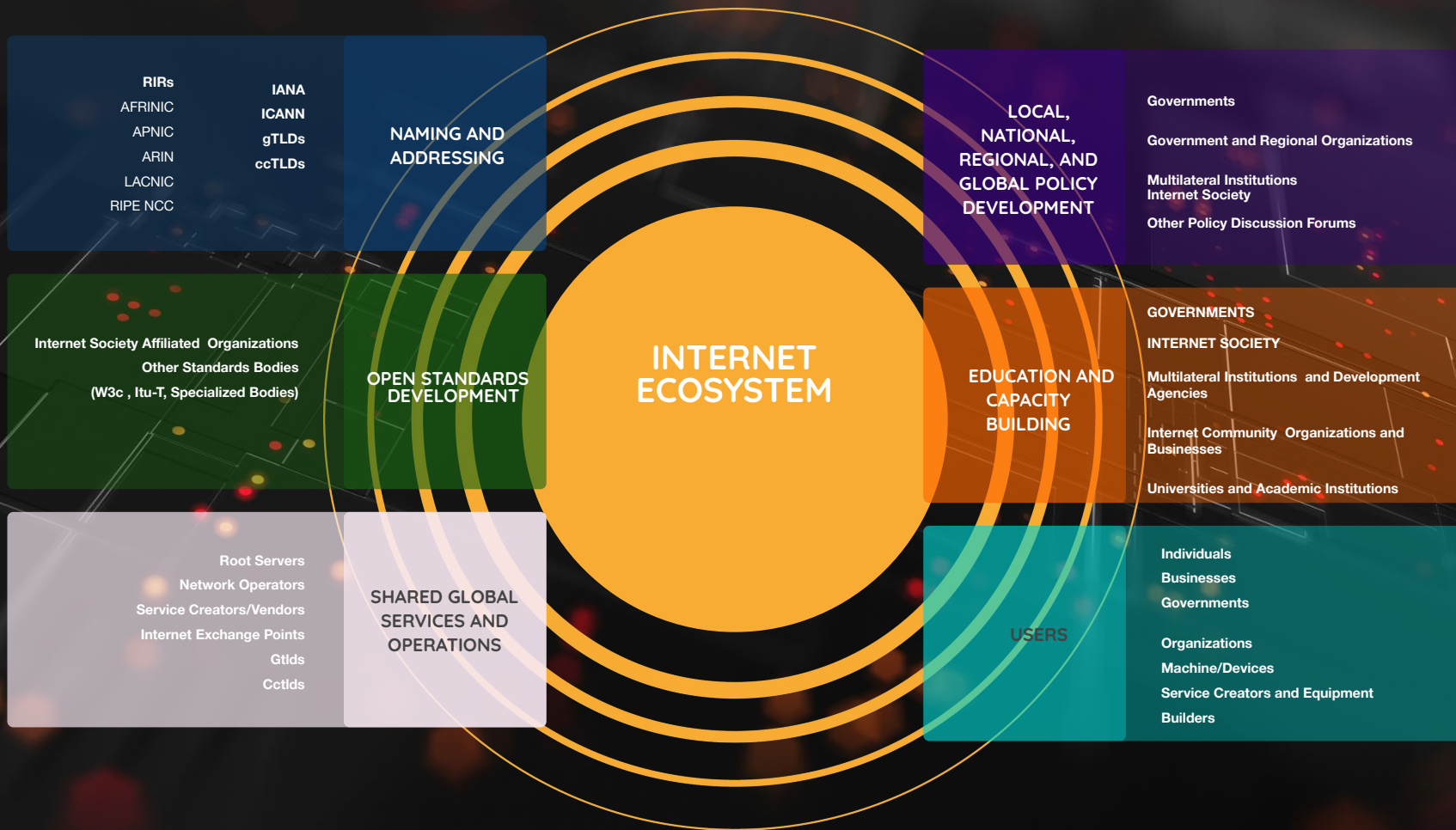


Af* Organisations

Af* are organisations collaboratively working for a better Internet in Africa. These organisations include the various sectors of the Internet such as: Internet Numbers, Policy, Content and Names, Research, Infrastructure, Capacity building, and Security.



Global Internet Ecosystem



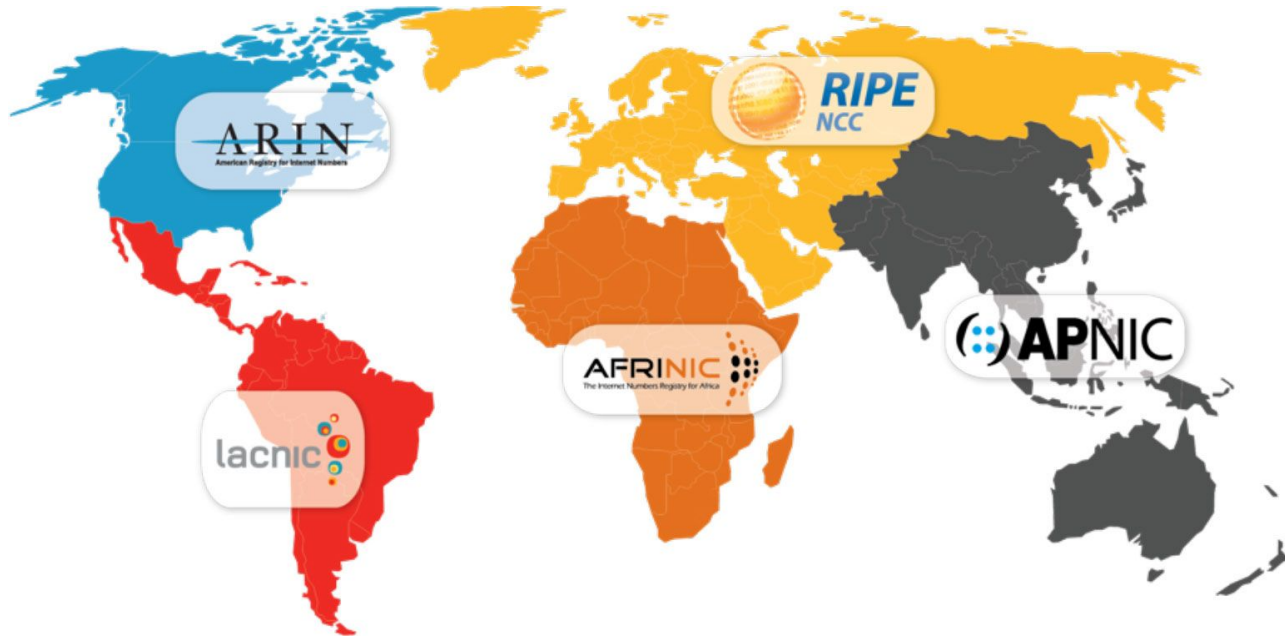
Why AFRINIC?

- Need for a registry to address IP number resources needs of the African continent
- Provide “proximity” service to African Local Operators and Internet Users
- Provide an environment to define Policies that are relevant to the African realities.
- Increase training and capacity building in the region on Internet IP technology and usage.
- Contribute to Internet affordability and accessibility.
- Facilitate the deployment of Internet critical infrastructures.

The RIR system before AFRINIC



The RIR system today



The background is a dark, abstract composition. It features a network of thin, glowing white lines that form a grid-like pattern, possibly representing a circuit board or a data network. Scattered throughout this grid are numerous small, glowing dots in shades of red and orange. On the right side of the image, there are several concentric, curved lines in a golden-yellow color, resembling a stylized signal or a series of orbits. The overall effect is one of high-tech, digital, or futuristic aesthetics.

AFRINIC Services

General Information



Our Vision

A secure and accessible Internet for sustainable digital growth in Africa

Our Mission

To serve the African Internet community by delivering efficient services in a global multi-stakeholder environment.

**5th
RIR**

Established in 2005;
HQ in Mauritius

Serving
55
economies

In Africa and Indian
Ocean

Operating since

2005

47

Staff

IP Resources Management

Allocation/ assignments

IPv4, IPv6 & ASN
(free IPv6 if IPv4 is already
issued and Discounts for
Universities and IPv6 only
members)

Registration of

IP resource usage
through assignments
and sub-allocation

Providing

reverse DNS domain
delegation

Support for

resource transfers

Support for

resource policies
compliance

Provision of

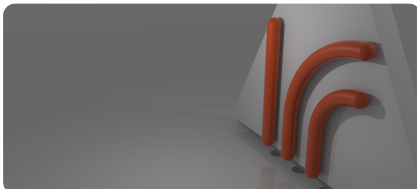
resource delegation
statistics through
<http://ftp.afrinic.net/stats/afrinic/>

Routing Security & RPKI

IRR

Internet Routing Registry

- Create Route(6) Objects, AS-SET, Route-set ...
- “route” objects ← link between ASN and IP block



RPKI

Resource Public Key Infrastructure

- Create Route Origin Authorisation (ROA)
- Revoke ROA
- Hosted Certificate Authority (CA)



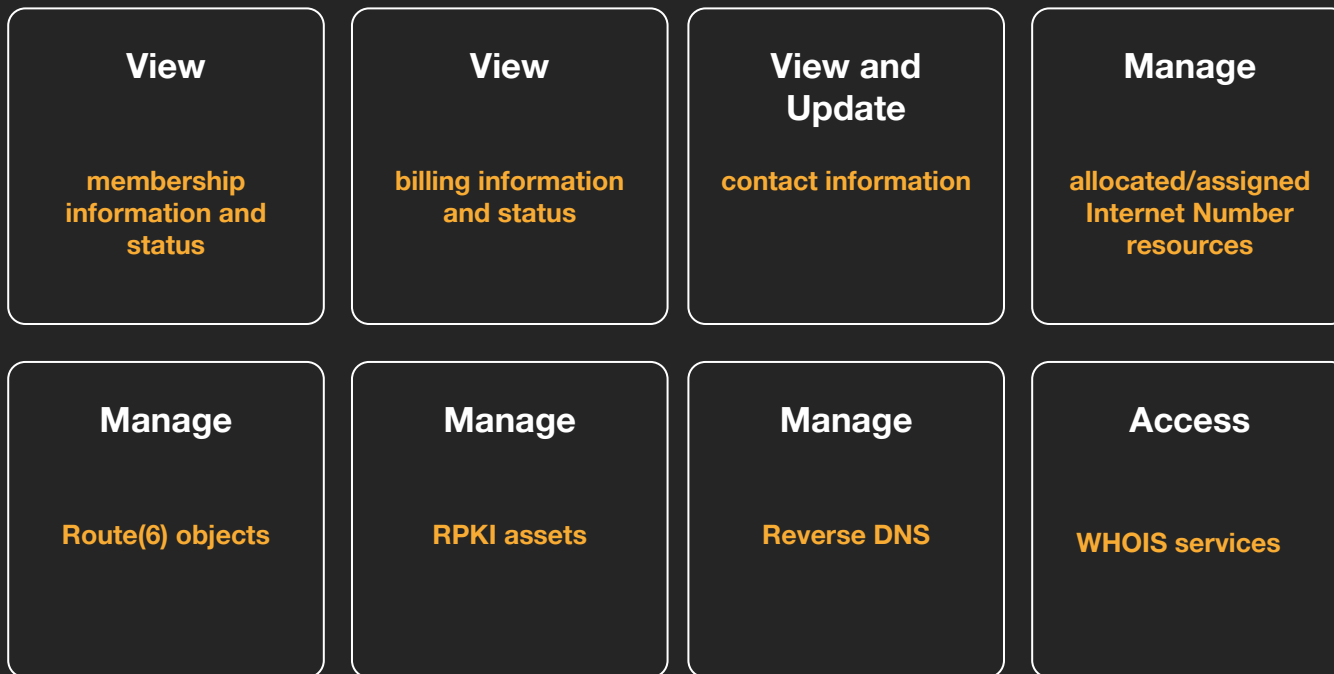
DNSSEC

Domain Name System Security Extensions

Sign Domain Name System (DNS) data using digital signatures



Member Service Tools - Member Portal - My.AFRINIC



Online IPv6 Training & Deployment

Training

Self-paced



<https://learn.afrinic.net/events>

Certify

Get international certification



<https://certi6.io/en/>

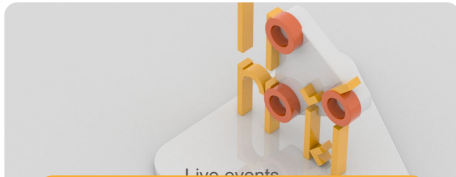
Deploy

IPv6 Deployment Helpdesk



bit.ly/6deployEN

Live-Events



<https://academy.afrinic.net/>

Deployathons

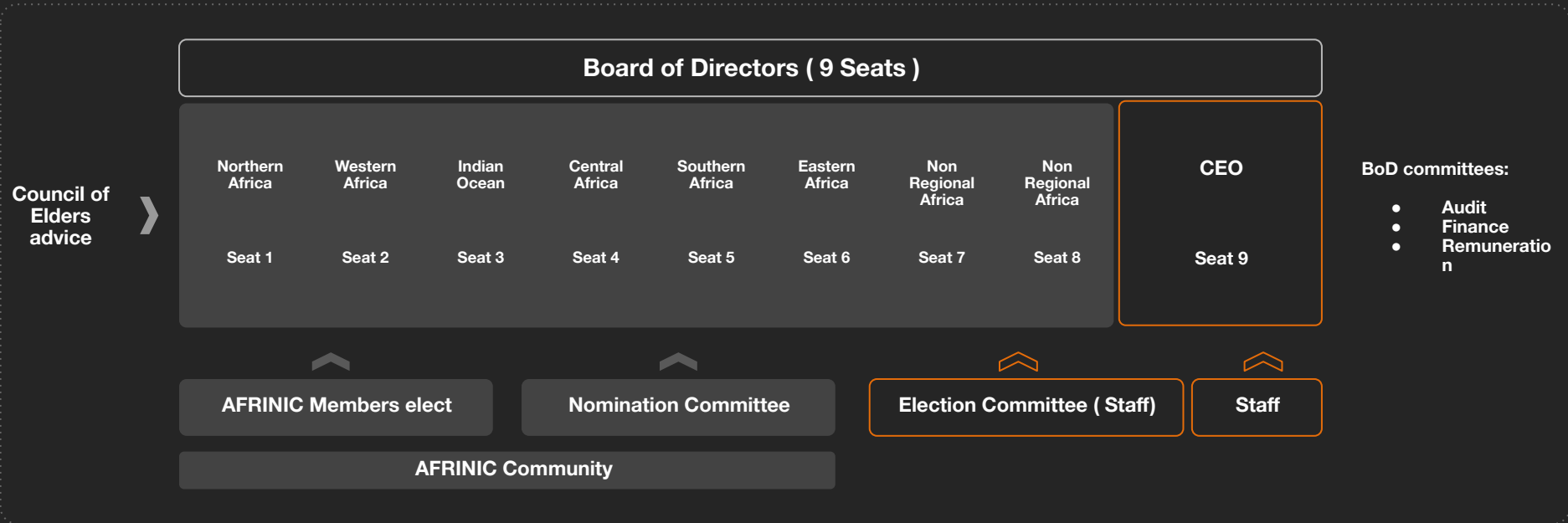


learn.afrinic.net/events



AFRINIC Governance

AFRINIC GOVERNANCE OVERVIEW



**AFRINIC
Bylaws
(Constitution)**

Governance Committee advises
the AFRINIC Board, AFRINIC Membership, and the community,
on matters of corporate governance

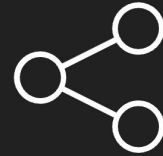
Importance of **your participation** in AFRINIC Governance



**Contribute in discussions
on Internet development
in Africa**



**Bring the African realities
to the table**



Make your voice count



**Be a speaker, share
about your achievements
or projects**



**Expand your global
networks & learn**

How you can **take part** in AFRINIC activities



Become an
**AFRINIC Community
Member**



Attend
AFRINIC Meetings



Elect members
of the BoD, Committees & Working
Groups



Contribute to discussions on the
AFRINIC Mailing list



Sponsor
AFRINIC initiatives



Partner
with AFRINIC on common projects

Why should you care **about the PDP?**

1. Influence over policy decisions: RIR members shape policies on internet number resources by proposing, commenting, and voting through the Policy Development Process

2. Transparency: The PDP is designed to be an open and transparent process, allowing members to track the progress of policy proposals and understand how decisions are made.

3. Adapting to changing technology and user needs: The PDP allows RIRs to update policies to match evolving technology and user needs, incorporating new best practices and standards.

4. Ensuring fair and equitable distribution of resources: The PDP is essential for ensuring that Internet number resources are distributed fairly and equitably among RIR members, without preference or bias.

AFRINIC Community Mailing Lists

Mailing List	Email contact
Resource Policy Discussion (RPD) List	rpd@afnic.net
Community Discussion List	community-discuss@afnic.net
AFRINIC Announce List	announce@afnic.net
Members Discuss List	member-discuss@afnic.net

How to Register to the AFRINIC Mailing Lists?

There are two ways:


Fill in the online form
which by clicking any list at:

<https://lists.afrinic.net/mailman>

By email
you can send a request to

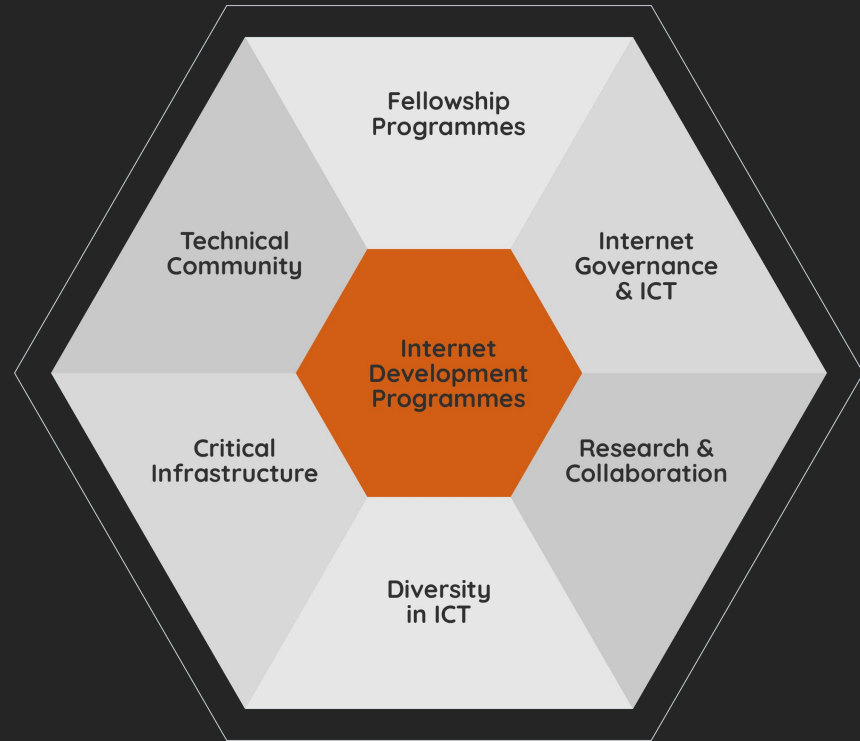
list_name-request@afrinic.net

with the word
Subscribe
as the subject



Internet Development Programmes

AFRINIC is committed to developing Africa's Internet and unlocking the region's full potential in ICT. To achieve it, AFRINIC is promoting investment in Internet development in Africa through 6 programmes you can plug into for a sustained digital development in your region and in Africa.



For more information about AFRINIC IDPs please visit <https://www.afrinic.net/participate/idp>

1.AFRINIC Fellowship Program

The AFRINIC Fellowship program creates a network of African ambassadors promoting our mission countrywide. It fosters potential leaders by offering citizens from various backgrounds the opportunity to participate in our policy meetings and initiatives. AFRINIC has granted 230 fellows from 50 African countries the opportunity to attend our meetings across the continent in the past 8 years.



2.AFRINIC Technical Community Development Program

Building technical communities is vital for advancing the Internet in Africa, as they ensure stability, security, and accessibility for all. AFRINIC partners with regional and national technical groups, including AfNOG, sdNOG, BurundiNOG, ZANOG, and more, providing resources to support their growth and skill development.



3.AFRINIC Internet Governance and ICT Initiatives Development Program

This program empowers Internet Governance African stakeholders to participate in global discussions. AFRINIC supports national and regional forums, fostering open and inclusive dialogue.

Over the past decade, AFRINIC participated in over 40 events, conducting workshops and sharing the AFRINIC Governance Model and IP distributions.



4.African Research Collaboration Program

AFRINIC partners with educational institutions to conduct technical and policy-based research in Africa, empowering network operators and end-users to make informed decisions in the unique African Internet landscape.

A collaboration with the University of Cape Town, South Africa, on the ARDA project, implemented with ISOC and AF-IX, is an example of such partnerships.



5.AFRINIC Critical Infrastructure Development Program

The AFRINIC program expands Internet infrastructure in Africa, by providing financial assistance and technical expertise for critical infrastructure like IXPs and DNS. This initiative aims to create a dependable, secure Internet for Africans and promote digital development.

We've supported Guinée-IXP, RINEX, and CIVIX and more others.



The Diversity in ICT Program

Our Diversity Program bridges the digital divide and leverages everyone's potential to access, use Internet technologies by promoting and advocating for greater diversity and inclusion in ICT development across the continent.

AFRINIC partners with AfCHIX, RIFEN, Halley Movement, among others on that matter.



What did we learn ?

- AFRINIC Internet Ecosystem
- AFRINIC Services
- AFRINIC Governance
- AFRINIC Internet Development Programmes



While AFRINIC has made progress,
there is still much work to be done,
and we count on your support for
AFRINIC to fulfill its purpose of
improving business and people's
lives in Africa through the use of
the Internet.



Questions?

Thank You For Your Support and Attention.

Should you have any question in this
regard,
please feel free to contact us

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