



78

ANNUAL  
GENERAL  
MEETING

ICANN



1998-2023

IANA Stewardship  
Transition



2016-2023



# Coalition for Digital Africa

# Agenda: 23 October 2023; 16:30-17:30

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- Welcome remarks: 16:30-16:45
  - Pierre Dandjinou, VP Stakeholder Engagement, Africa - ICANN
  - Adiel Akplogan, VP technical Engagement, ICANN
  - Patrick Jones, Vice President, Global Stakeholder Engagement
- Update on projects implementation by partners: 15:45-17:00
  - Brief overview of the Program (ICANN)
  - Universal Acceptance readiness in Academia - Nodumo Ndhlamini - AAU
  - IXP project - Jean Baptiste Milogo - ISOC
- Update on other projects by ICANN Org: 17:00-17:15
  - Africa DNS Study
  - DNSSEC Roadshow
  - Brief presentation of new projects under discussion (Capacity development for African Parliamentarians, Single IMRS deployment)
- Q/A: 17:15-17:30

## Special slide: 60 secondes of silence

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In Loving Memory of

**Olevie Kouami**

ICANN community member  
in AFRALO, NPOC &  
others

Passed away on 19 October 2023

# Coalition for Digital Africa

## **Coalition for Digital Africa Update**

ICANN78  
23 October 2023

# What is the Coalition for Digital Africa?

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The Coalition is an alliance of global and regional organizations united in their commitment to **expand access to the Internet** in Africa and **support the development of Africa's digital economy**.

By **working together** as a Coalition, participants will be able to achieve **greater results and impact**.

# Coalition | Areas of Focus

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- **A robust DNS Infrastructure in Africa**

Securing the stability of the Domain Name System (DNS), thereby strengthening the Internet infrastructure in Africa and enhancing its security and resiliency.

- **Meaningful Connectivity**

Fostering multilingualism and encouraging local content development in Africa.

- **Capacity Development**

Equipping Africa's workforce with the skills and knowledge necessary to participate in the multistakeholder model of Internet governance.

# Coalition | Current Participants

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- **AAU** - Association of African Universities
- **AFNIC** - Association Française pour le Nommage Internet en Coopération
- **AFNOG** - Africa Network Operators Group
- **AfricaCERT** - Africa Computer Emergency Response Team
- **AfTLD** - Africa Top Level Domain
- **ATU** - African Telecommunications Union
- **ICANN** - Internet Corporation for Assigned Names and Numbers
- **ITU** - International Telecommunication Union
- **ISOC** - Internet Society
- **LusNic** - Associação de ccTLDs de língua portuguesa
- **NSRC** - Network Startup Resource Center
- **Smart Africa Secretariat**

# Coalition Projects Outreach To Date

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## Executing Activities in 22 Countries

- Angola
- Benin
- Burkina Faso
- Botswana
- Burundi
- Comoros
- Egypt
- Eswatini
- Gambia
- Ghana
- Kenya
- Madagascar
- Malawi
- Mozambique
- Namibia
- Niger
- Nigeria
- South Africa
- Rep of Congo
- Togo
- Zambia
- Zimbabwe



# Overview of Current Projects

# ASSOCIATION OF AFRICAN UNIVERSITIES

Presentation on Universal Acceptance and EAI  
Readiness in Academic Institutions Project.

By **Ms Nodumo Dhlamini & Mr Abdul M. Sulemana**  
AAU



**ASSOCIATION OF AFRICAN UNIVERSITIES**  
**ASSOCIATION DES UNIVERSITES AFRICAINES**  
**اتحاد الجامعات الإفريقية**

The Voice of Higher Education in Africa

# About AAU

## Bi



- 421 Member Universities
- Continental Offices
- Headquarters in Accra, Ghana.

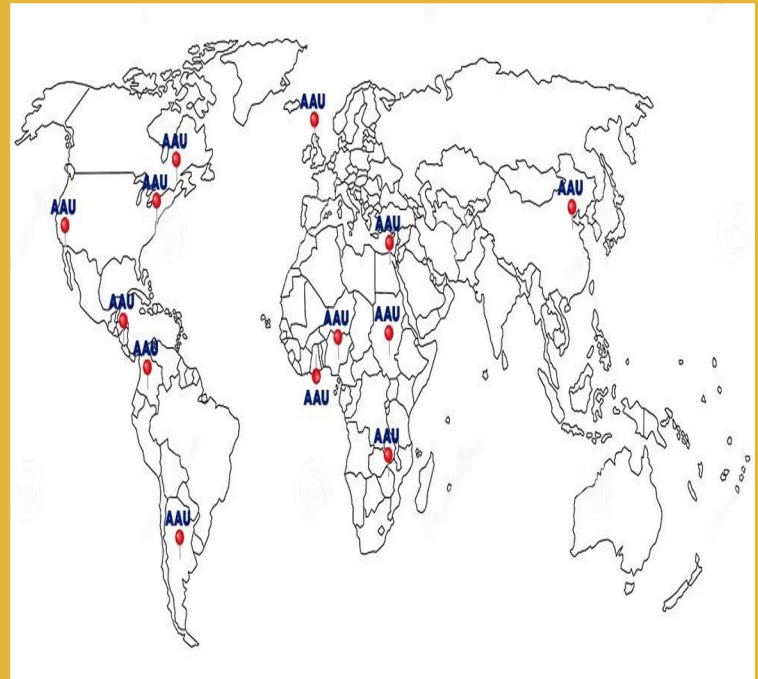
## Visio



To be the leading advocate for higher education in Africa, with the capacity to provide support for its member institutions in meeting national, continental and global needs.



## Office



# UA and EAI Readiness in Academic Institutions Project

This project aims to increase the number of higher education institutions in Africa that are UA-ready to at least 200 by June 2025.

## Objective 1

Evaluate the UA readiness of the AAU members (higher education institutions) , create a baseline and support in remediation efforts



## Objective 2

Create awareness of and develop capacity for UA within academic institutions



## Objective 3

Offer information to higher education institutions to incorporate UA and internationalized domain names into their academic curricula.



## Objective 4

Encourage higher education and research institutions to participate in the work of the (UASG)..



# Evaluating UA Readiness of AAU Member Universities

| Baseline Test                 |                                   |                                        |                                          |
|-------------------------------|-----------------------------------|----------------------------------------|------------------------------------------|
| Number of Universities<br>421 | Full Compliance                   | Email Compliance                       | Website Compliance                       |
| Compliant<br>54               | ON task                           | Partial                                | Partial                                  |
|                               | 12%                               | 20%                                    | 53%                                      |
| Pending<br>367                | 54 Universities fully compliant . | 88 Universities have Email compliance. | 227 Universities have Website Compliance |

## Creating awareness of UA, developing capacity and offering information to incorporate UA in academic curricula

2023

March

April

July

### UA Day Celebration – 28<sup>th</sup> March

- In person - 48 participants from 7 higher education institutions.
- Virtual – 153 virtual participants from 129 Universities across Africa

### Technical Workshop – 14<sup>th</sup> April

- Held in Accra, Ghana for University ICT Directors/ Systems Administrators.
- 43 Participants
- 11 Universities
- 2 Governmental Agencies

### Technical Workshop – 3<sup>rd</sup> July

- Held in Windhoek, Namibia for University ICT Directors/System Administrators
- 26 Participants
- 26 Universities
- Introduction of UA during Conference of Rectors, Vice Chancellors and Presidents of African Universities (COREVIP)

## Upcoming Activities

- ☐ Franco-Arab Technical Workshop
- ☐ Anglophone Remediation Workshop
- ☐ Franco-Arab Remediation Workshop
- ☐ Anglophone Deans / HODs of Faculty Curriculum Workshop
- ☐ Francophone Deans / HODs of Faculty Curriculum Workshop

October, 23 2023

# About Internet Exchange Points (IXPs)

Working to keep local traffic local



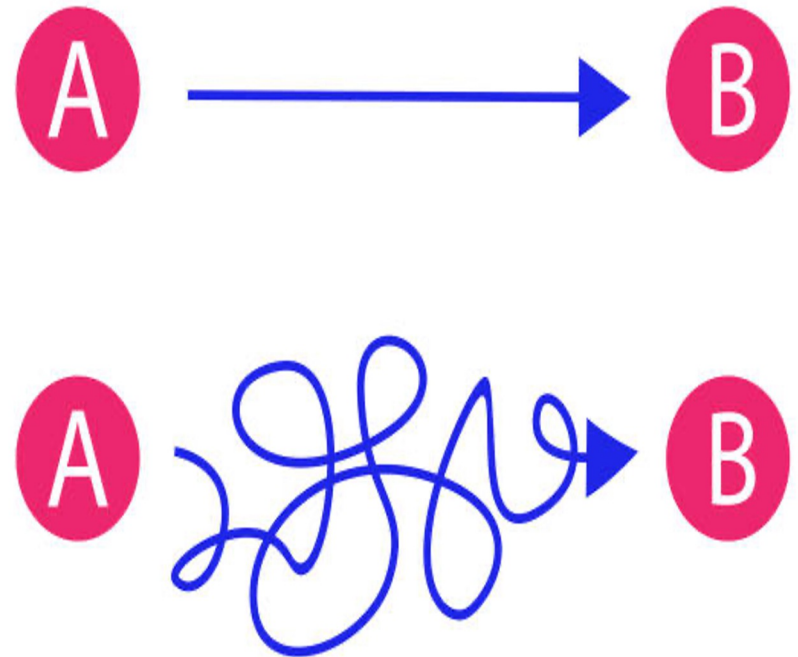
Jean Baptiste Millogo  
Director, Internet technology and Development  
[millogo@isoc.org](mailto:millogo@isoc.org)

# Internet Exchange Points

The fastest route from Point A to Point B is a straight line, but when Internet infrastructure is underdeveloped, sometimes data zigzags through faraway places. The result is that Internet access is slower and more expensive.

An Internet Exchange Point (IXP) is a physical location where Internet infrastructure companies like ISPs and CDNs connect with each other.

IXPs create shorter, more direct routes for Internet traffic, making Internet access faster, cheaper, and more reliable.



## Regional Work in Africa

We're fulfilling the IXP initiative of the Coalition for Digital Africa to build five IXPs between now and 2025.

Conceived by ICANN, the Coalition for Digital Africa is an alliance of like-minded organizations committed to building robust and secure Internet infrastructure to bring more Africans online.

Recently, we've worked in Benin and Malawi.



## Coalition for Digital Africa



# Benin

Strengthens the Benin  
Internet Exchange (BeninIX)  
through:

Improvements to technical  
infrastructure

Capacity building workshops  
on efficient internet traffic  
exchange

Comprehensive business plan  
to ensure long-term viability



# Malawi

Strengthen the Malawi ISP Association through:

Installation and commission of a second Internet Exchange Point in Lilongwe, Malawi.



# African Peering and Interconnection Forum (AFPIF)

Organized by the African IXP Association (Af-IX) and Internet Society (ISOC), AfPIF promotes the development of national and cross-border interconnection in Africa.

ISOC is working to transition this event fully to Af-IX and the African technical community by 2025.

Next event: August 2024

<https://www.afpif.org/>



# Get Help

## Training

We offer moderated online courses, face-to-face courses, and self-paced tutorials for the Internet Society community including on IXPs, routing security, and network operations.

## Funding

We fund local communities to build and level-up IXPs and to develop regional organizations and communities that support peering and interconnection.



# Join the Movement

Our goal is to understand how far your network traffic reaches when you access OTT services:

Deploy a RIPE Atlas and/or OONI probe on your network  
[pulse.internetsociety.org](https://pulse.internetsociety.org)

Participate at peering forums

Sign up for our IXP course  
[learning.internetsociety.org](https://learning.internetsociety.org)

Donate - 100% of your donation goes toward achieving an Internet for all  
[internetsociety.org/donate](https://internetsociety.org/donate)



# Thank you.

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# IMRS Infrastructure in Africa

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Increasing the security, resiliency and speed of the Internet in Africa by installing ICANN Managed Root Server (IMRS) infrastructure.

- **Progress:**

IMRS Cluster in Africa installed in Nairobi, Kenya in November 2022.

IMRS installation deployed in Cairo, Egypt in October 2023.

Upcoming: Support the adoption or replacement of IMRS instances in 10 countries in Africa.

# 2023 Africa Market DNS Study

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Conducting an in-depth study of the African DNS landscape aimed at creating a comprehensive picture of the industry.

- **Progress:**

ICANN selected PowerSoft Africa to conduct study.

Launched study in January 2023

Public Comment period targeted for December/January.

Final Report due in March 2024.

# DNSSEC Roadshows

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Increasing DNS Security Extensions (DNSSEC) adoption and deployment in 15 countries in Africa through awareness building and capacity development.

- **Project partners:** ATU and ICANN

- **Progress:**

Delivered workshops (“Deployathons”) in Botswana and Burkina Faso.

Received applications for ccTLDs to host Roadshows

Selected ccTLDs will be announced in November.



# Capacity Development for ccTLD Registries

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Enhancing the capacity of ten ccTLD registries to support the growth of the digital economy in their countries.

- **Project partners:** ICANN, ITU, AfTLD, NSRC, AFNIC

- **Progress:**

Announced project with the Partner2Connect Digital Coalition initiated by the ITU in June 2022.

Identified targeted ccTLDs:

- Angola, Benin, Burundi, Comoros, Gambia, Madagascar, Niger, Republic of Congo, Togo, and Zimbabwe

Conducted needs assessment

Capacity development activities from December 2023 - June 2024.

# Expanding TLD Performance Monitoring

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Deploying two new monitoring probe nodes for ICANN's Service Level Agreement Monitoring (SLAM) system in Africa and enhancing the SLAM probe node network.

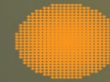
- **Progress:**

Deployed two new monitoring probe nodes in June (Lagos, Nigeria and Cairo, Egypt), in addition to the existing probe node located in Johannesburg, South Africa.

Continuing to enhance the SLAM system probe node network by ensuring IPv4 and IPv6 transport connectivity in probe nodes within Africa

A circular logo composed of a grid of dots, with the left half in dark blue and the right half in yellow.

Coalition for  
Digital Africa

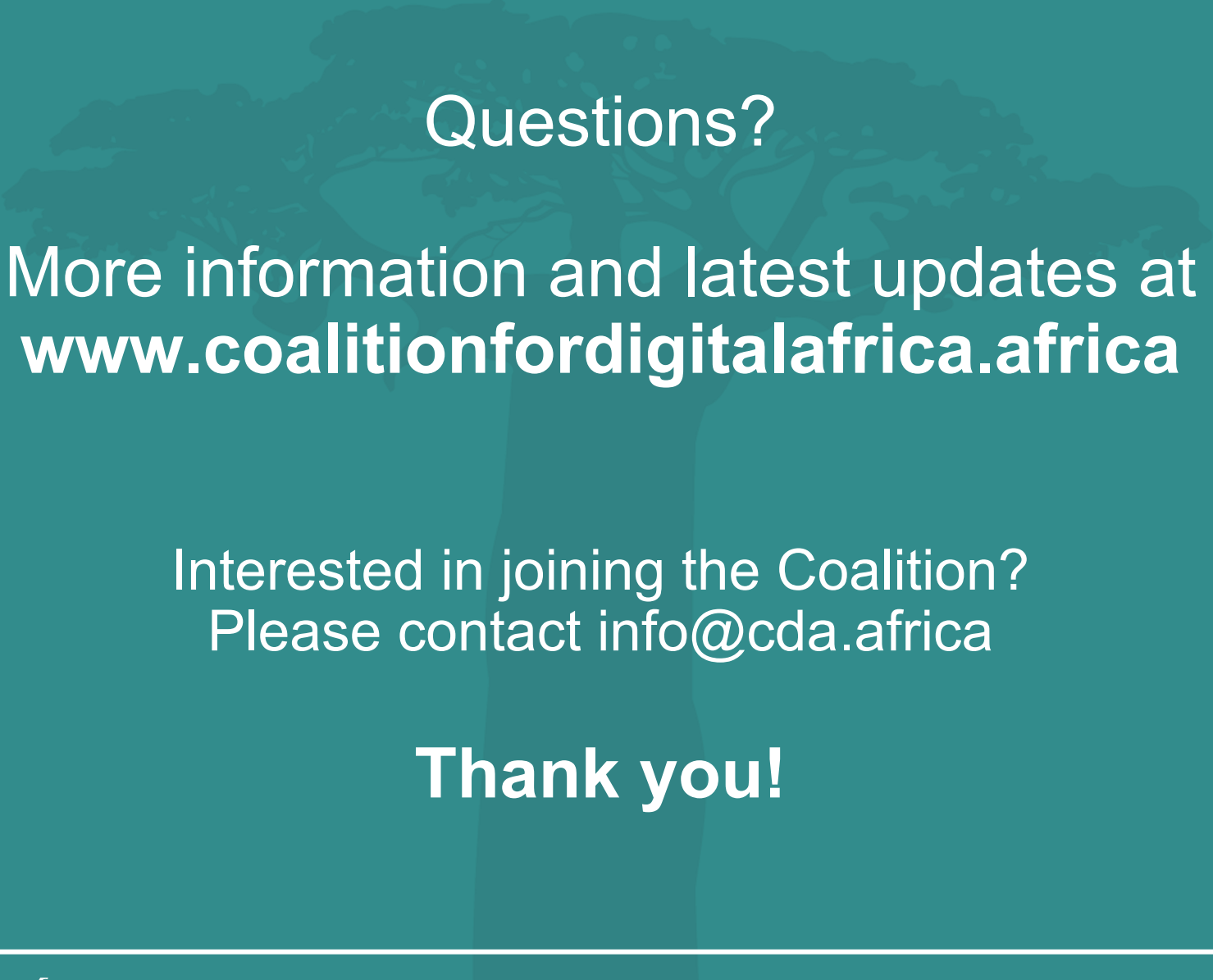


#OneWorldOneInternet

[www.coalitionfordigitalafrica.africa](http://www.coalitionfordigitalafrica.africa)

A close-up photograph of two hands shaking. The hand on the left is dark-skinned and wearing a dark blue suit sleeve. The hand on the right is light-skinned. The background is a gradient from dark blue to yellow, with faint 'Adobe Stock' watermarks.

**Join us** and  
be part of the  
**mission to**  
**drive positive**  
**change.**



# Questions?

More information and latest updates at  
**[www.coalitionfordigitalafrica.africa](http://www.coalitionfordigitalafrica.africa)**

Interested in joining the Coalition?  
Please contact [info@cda.africa](mailto:info@cda.africa)

## Thank you!