ICANN & The Internet Ecosystem

Bob Ochieng | ICANN Day @ AIS 2017 | 27 May – 2017

Agenda

1 An introduction about ICANN

2 Africa Strategy Update, Foundation Projects and Future Plans

3 Q & A

So, What is ICANN?

The Internet Corporation for Assigned Names and Numbers (ICANN) is a global multistakeholder, private sector-led organization that manages Internet resources for the public benefit

⦿ ICANN coordinates the top-level of the Internet's system of unique identifiers via global, multistakeholder, bottom-up consensus policy processes, with the outcome of those processes implemented via the IANA Functions.

ICANN's Global Presence

Europe

North America

Asia/Australia/Pacific

Latin America/
Caribbean islands

Africa
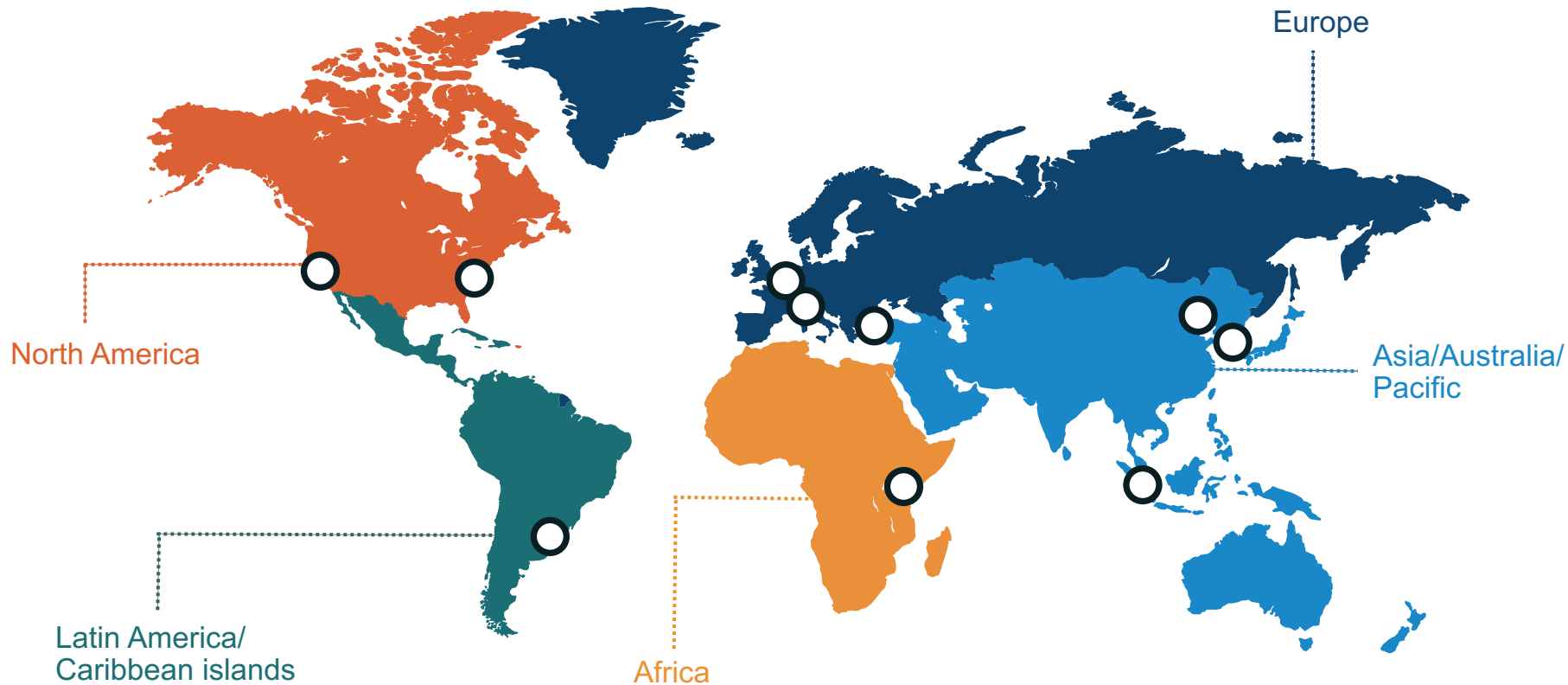
Regional Offices

Los Angeles – Headquarters
Istanbul
Montevideo
Singapore

Engagement Centers

Washington, D.C.
Geneva

Engagement Centers & Partnerships

Beijing - Engagement Center
Brussels – Engagement Center
Nairobi - Engagement Center
Seoul – Engagement Center
Cairo - Partnership Center
Asunçion – Partnership Center

What is the multistakeholder community?

"Stakeholder" refers broadly to anyone who has an interest in the Internet

Within ICANN, stakeholders include:

Large and small businesses   **Technical community**   **Civil society**   **Governments**   **Researchers and academics**   **End users**

The multistakeholder community functions on bottom-up consensus building which, by design, is resistant to capture due to the openness, diversity and equal division of authority among participants

ICANN's private sector-led multi-stakeholder community supports the success of the Internet's DNS

Who We Are

A volunteer-based, open collection of global stakeholders, including: businesses, Internet engineers, technical experts, civil society, governments, end users and many others.

There are three supporting organizations in the ICANN community, representing: IP addresses, generic top-level domains (gTLDs), and country code top-level domains (ccTLDs). They develop policy recommendations in their respective areas. There are four advisory committees that give advice and recommendations. These are comprised of representatives of governments and international treaty organizations; representatives of root server operators; Internet security experts and Internet end users.

Works together through a bottom-up process to give advice, make policy recommendations, conducts reviews and proposes implementation solutions for common problems within ICANN's mission and scope.

WHAT?

WHO?

HOW?

Community

Members are representatives from the Community, selected by their peers. The Board is composed of 16 members and four non-voting liaisons, from different geographies and with expertise relevant to ICANN's mission.

A global organization, led by the CEO with staff members in 40 countries, the ICANN organization focuses staff & resources on: policy development support, event management, registrars & registries support, Community support, contract compliance, IANA functions, outreach and capacity building, external services for the broader community (L-Root, WHOIS, etc.), & internal staff services.

WHO?

WHO?

Provides strategic oversight for the ICANN organization, ensuring the organization acts within its mission and operates effectively, efficiently and ethically, and considers community-developed policy recommendations.

WHAT?

Board

The ICANN organization implements the Community's recommendations at the direction of the Board, under the supervision of the CEO, within ICANN's mission and scope.

Organization
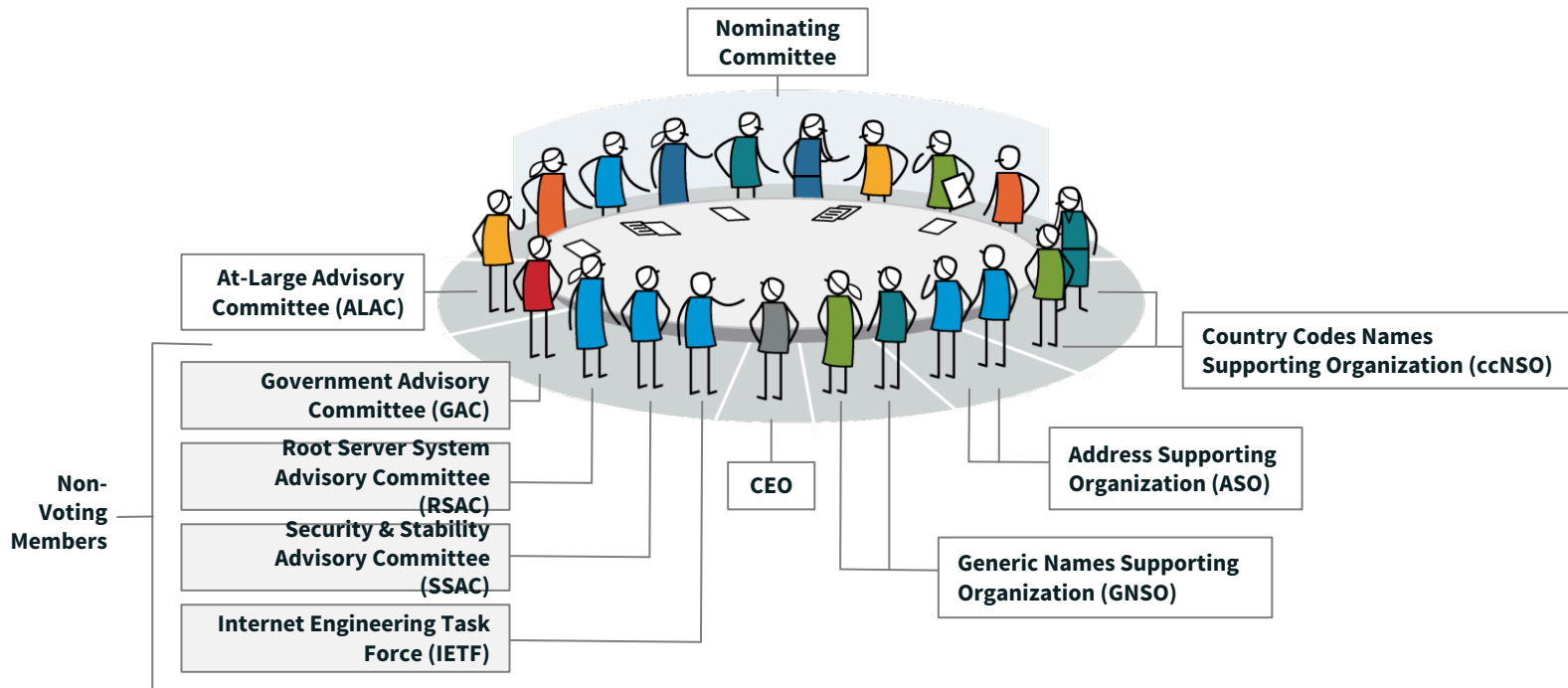
WHAT?

HOW?

HOW?

In accordance with the Bylaws, the ICANN Board approves Community policy. The Board directs the ICANN organization to implement. Board members act in what they believe to be the best interests of the global community. The Board acts by resolution, with information about decisions being provided openly and transparently.

The ICANN organization is committed to accountable, transparent, inclusive and open operations and engagement, in cooperation with its partners.

ICANN

The ICANN Community At Work

ICANN Board of Directors

The ICANN Board is responsible for the oversight of the strategy and operations of ICANN, as well as consideration of policy recommendations arising out of the Supporting Organizations, including, as necessary, consideration of advice on those policy recommendations coming out of the Advisory Committees

Nominating Committee

At-Large Advisory Committee (ALAC)

Non-Voting Members

Government Advisory Committee (GAC)

Root Server System Advisory Committee (RSAC)

Security & Stability Advisory Committee (SSAC)

Internet Engineering Task Force (IETF)

CEO

Country Codes Names Supporting Organization (ccNSO)

Address Supporting Organization (ASO)

Generic Names Supporting Organization (GNSO)

For more information visit:
https://www.icann.org/resources/pages/board-of-directors-2014-03-19-en

Business

Government & Governmental Organizations

Civil Society

Domain Name Business

Internet Users

Academic

Technical

How Does the Community Develop Policy?

IDENTIFY AND SCOPE THE ISSUE

BOARD VOTES

Supporting organizations identify, initiate and create policy

Address Supporting Organization

Country Code Names Supporting Organization

Generic Names Supporting Organization

1
- Identify issue
- Issue report
- Initiate policy development process

2 DEVELOP POLICY

DRAFT POLICY RECS
- Consult with Community and produce policy
- Call for volunteers to develop policy

3
- Submit final report to Board
- Public comments by Community

POLICY RECS

4 VOTING OR REVIEW
- Board votes on final policy

5
- Implementation

FINAL POLICY

Advisory Committees can participate during the process

At-Large Advisory Committee

Security and Stability Advisory Committee

Root Server System Advisory Committee

Government Advisory Committee

ICANN

Some of What ICANN Organization Does

Domain Name System
The domain name system provides addressing for the Internet so people can find websites, send email, and other tasks. The ICANN organization also supports the stability of the DNS through its work, and also its contracts and accreditations.

Policy Development
The ICANN organization supports inclusive, open and transparent multi-stakeholder bottom-up consensus based policy development mechanisms.

L-Root
The ICANN organization hosts and supports one of the 13 L-Root infrastructures. At over 150 locations worldwide, L-Root is critical to infrastructure that helps reduce latency and improves performance of the DNS.

Support and Grow the Community
The ICANN organization engages, nurtures and supports interested stakeholders for active and meaningful participation in ICANN. ICANN connects with stakeholders through outreach and engagement, and meeting & event support.

Generic Top-Level Domains
example.com

The ICANN organization manages the domain name system's top-level domains. ICANN helps promotes competition and choice in the gTLD marketplace.

Country Code Top-Level Domains
example.br
.br is Brazils TLD
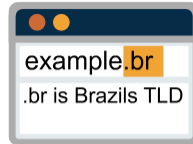
The ICANN organization delegates top-level domains identified with a country code. Management is done by national ccTLD operators.
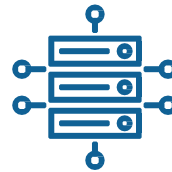
Protocol Parameters
The ICANN organization, in coordination with the Internet Engineering Task Force, manages protocol parameters by maintaining many of the codes and numbers used in Internet protocols.

Internet Protocol Addresses
IP

By serving as the central repository for IP addresses, the ICANN organization helps coordinate how IP addresses are supplied – preventing repetition and conflicts.

Root Zone Management
The ICANN organization helps manage the root zone through the IANA functions, which involves assigning the operators of top-level domains, such as .bank and .com, and maintaining the technical and administrative details.

IANA Functions

What Does ICANN Mean for the End User?

The Domain Name System allows you to easily navigate the Internet. ICANN monitors for compliance with contracts, including review of complaints.

Policy Development is an inclusive, open and transparent process for the Community to create effective rules for the Internet
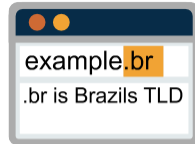
**L-Root is one of the root servers that helps keeps the DNS stable around the globe**

Supporting and Growing the Community ensures diverse participants contribute to bottom-up, multistakeholder, consensus-driven policy

example.com

Generic Top-Level Domains provide choice in the domain name space.

example.br
.br is Brazils TLD

Country Code Top-Level Domains allow countries to host their own websites
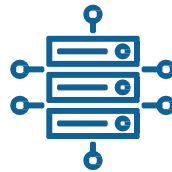
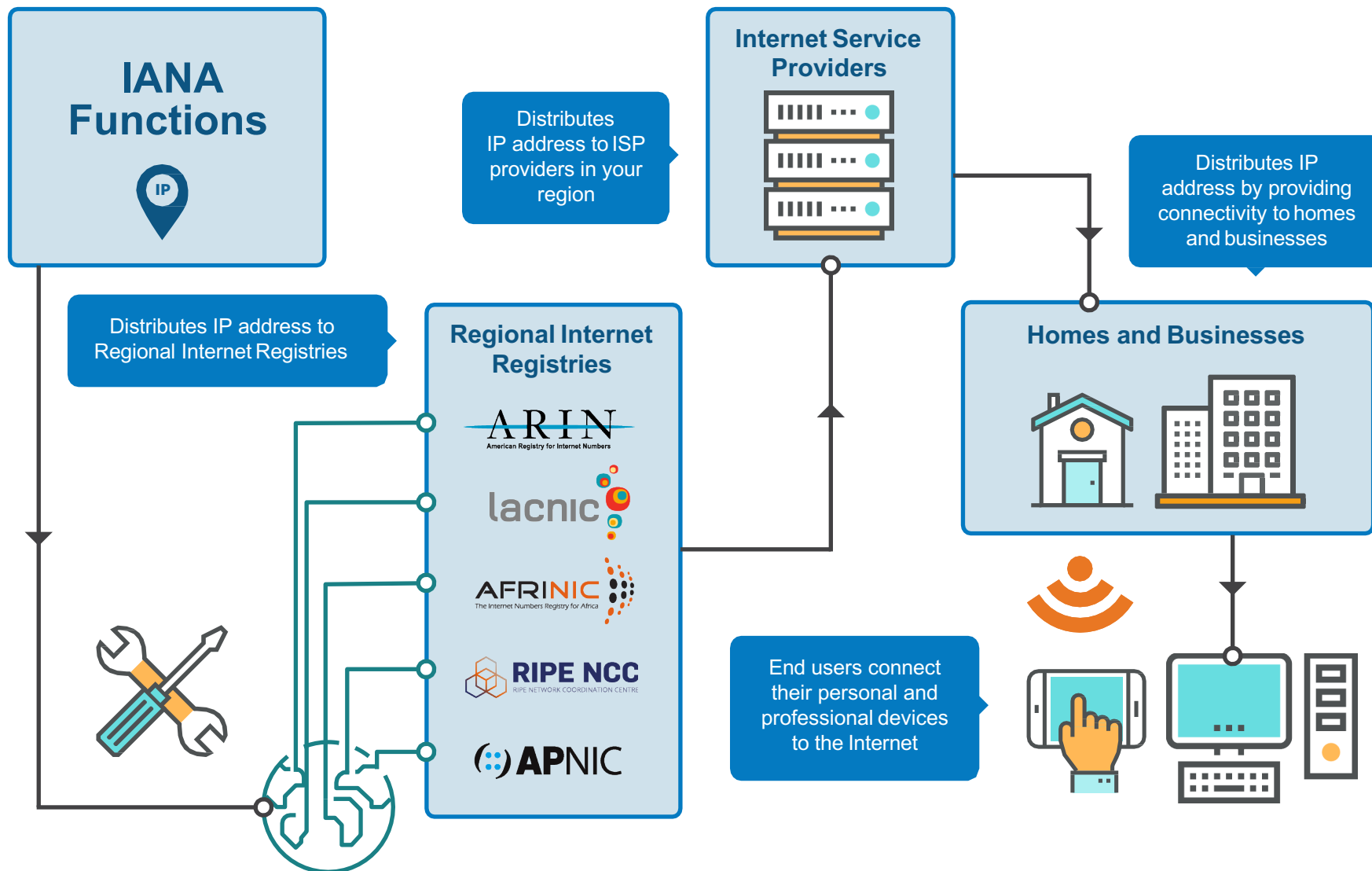**Protocol Parameters allow computers to talk to each other**

IP

Internet Protocol Addresses are the numbers that identify devices

Root Zone Management keeps the DNS running smoothly

IANA Functions

How Internet Protocol (IP) Addresses are Distributed

Africa Strategy: Overarching Objectives

In Summary, the Africa Strategy seeks to achieve 2 major objectives :

Transform the DNS & Internet Industry in Africa by Facilitating capacity development and Cultivating an environment for the emergence of an Africa grown domain name industry and business.

Promote Awareness and Meaningful Participation of Africa in ICANN & the wider IG Ecosystem in partnership with other I* and Af* Organizations.

Over the last 4 years and as we begin a new season in the Post Transition ICANN, I am confident that we, working with our community, have laid a strong foundation for ICANN in Africa. We shall work to build on this work.

Africa Strategy : Background

1 Started with a 9 Member WG (ASWG) in 2012

2 The ASWG later Conceived the Africa Strategy 2012 - 2015

Implementation Started later in 2012 for by hiring key staff.

3 ICANN Africa team is led by Mr. Pierre Dandjinou as VP supported by two Managers, Bob Ochieng and Yaovi Atohoun

Foundation projects and Gains made so far...

- Improved Visibility for ICANN in the region by participating in various fora

- Africa Introduced Concept of the DNS forum and DNS Awards (5th Edition this 2017)

- Introduced Multiple communication channels with Community (Lists, webinars...)

- Held 2 Topical Workshops (Focusing on emerging issues like IP & Trademarks)

- Facilitated More L-Root copies deployment in Africa (Tanzania, Mauritius, Kenya etc...)

- Over 20 DNSSEC Roadshows (.TZ, .KE, .ZM, .SN, .ZA signed as a result)

- We held a premier Stakeholder Briefing Session in Nairobi Kenya (Oct 2016)

- Over 10 Additional African countries have joined the GAC

- Launched DNS Business Exchange Program (Sent interns to IP Mirror & Affilias)

- Over 350 Registrars / Registries from 8 Countries trained so far on DNS Marketing

- Organized Capacity Building Workshop for Africa GAC Representatives (Jan 2017)

In May 2016, We formally Launched Our Africa Engagement Office in Nairobi Kenya

1. **This is the Engagement Centre for Africa**

   - **The Office serves Entire Africa**

   - **It's also serves as ICANN's foot-hold and physical presence in Africa**

2. **It Supports our Institutional Engagement with:**

   - **Af* & I***

   - **Youth and Academia**

   - **Governments &**

   - **IGO organizations in the continent**

Looking ahead: Deepening ICANN's work in Africa

Outreach to All Stakeholders

+ Deepen our Engagement with Private Sector (Business Community)

+ Deepen Engagement with governments and possibly more GAC reps

+ Key focus on New audience in ICANN (Work with Academia)

Encouraging Participation in ICANN Programs

Encourage the African community to participate in ICANN's available programs, including online learning opportunities, CROPP, attending events in Africa, supporting the development of these programs, and encouraging new programs such as DNS Entreprenuership and ccTLD education programs.

We hope to officially launch the Africa DNS Market Study at ICANN 59

Training and Support to Stakeholders

- **We plan to keep supporting our flagship DNSSEC project with focus on signings for the countries already trained.**

- **Encourage the IDN program in Africa and focus more on Supporting DNS Entrepreneurship.**

- **We also seek to keep hosting our annual Topical Workshop program in partnership with other institutions**.

Call to Action: Get Involved and Informed

Attend an ICANN Public Meeting. Three times a year, ICANN holds free and open public meetings in different regions around the world. Visit **meetings.icann.org** to learn more.

Visit **go.icann.org/journey** to learn how you can attend an ICANN Public Meeting as part of the NextGen@ICANN or ICANN Fellowship programs.

Take a free online course at **learn.icann.org**.

Attend events in your region.

Find and participate in an ICANN community group by visiting **icann.org/community**.

Sign up for ICANN news alerts and regional newsletters.

Please Engage with us

ICANN

Thank You and Questions

Reach me at:
Email: bob.ochieng@icann.org
Website: www.icann.org

twitter.com/icann

gplus.to/icann

facebook.com/icannorg

weibo.com/ICANNorg

linkedin.com/company/icann

flickr.com/photos/icann

youtube.com/user/icannnews

slideshare.net/icannpresentations