

# African Institutions & Internet Governance (Af\*)



**AFRINIC 16**

*Serekunda, The Gambia* | 12-18 May 2012

# Af\*

- To show slides used to define Af\* at Cotonou Internet Governance meeting on december 1998 (exactly as presented)
- comments on progress after

# Emerging African Internet Institutions

Quaynor@ghana.com

15, December 1998

# African Internet institutions

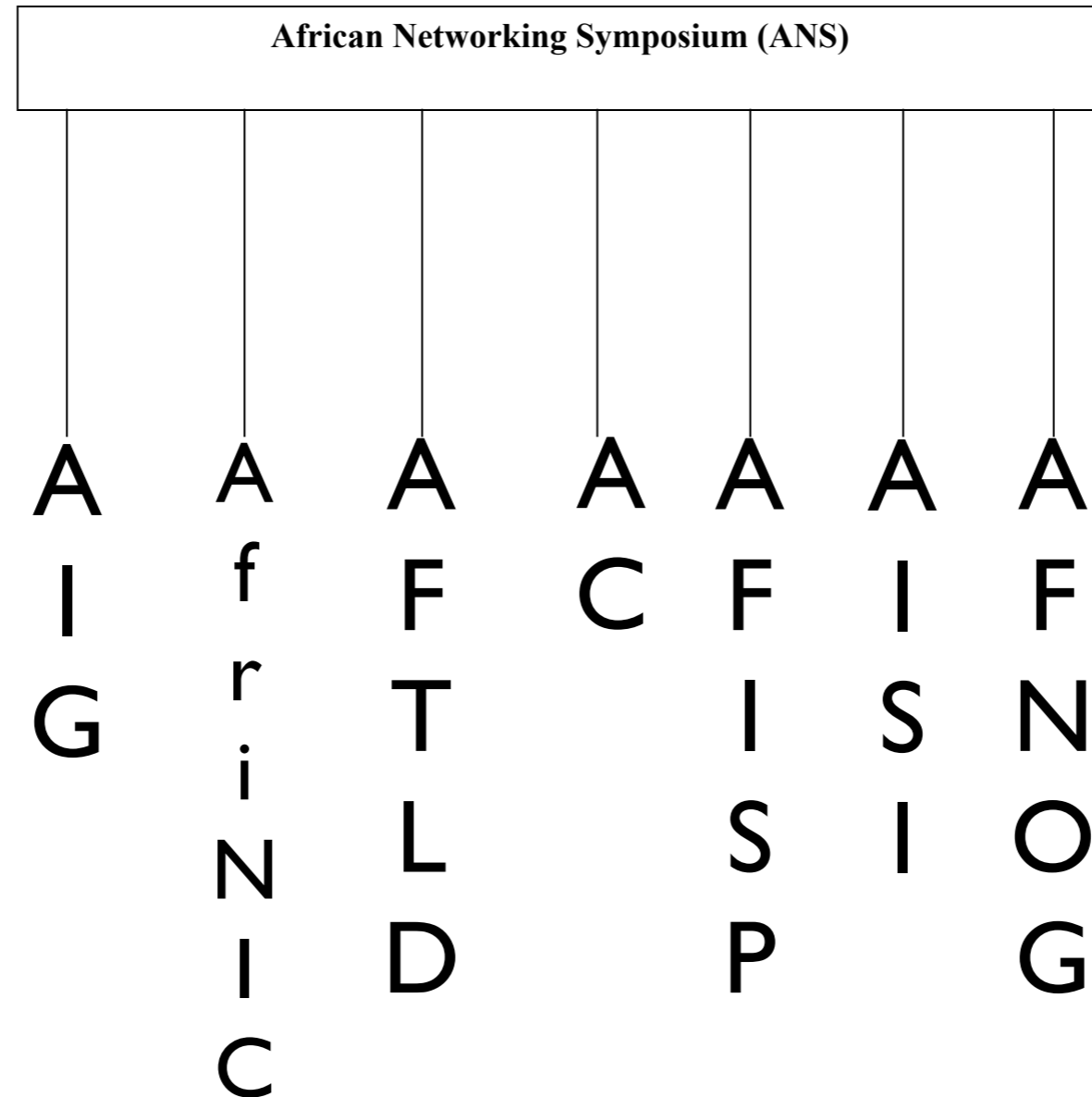
- Gets Africans focused on Building Knowledge Centers
- Creates Avenues for all Africans to Contribute
- Harnesses The African Potential
- Establishes The Lobby Channels
- Becomes Repository of Our History
- Its Our Identity

# African Networking Symposium

- Description: Meeting Forum
- Membership: African Institutions
- Funding: ISOC Conferences
- Coordinator:

Nii Quaynor <quaynor@ghana.com>

# ANS Structure



# African Internet Group - AIG

- Description: Interest Group and General
- Membership: ISOC Workshop alumni, ISOC Conference attendees
- Funding: ISOC largely (piggy-back)
- Coordinators:

Shem Ochuodo <shem@arcc.or.ke>,

Pierre Dandjinou <sdnpaf@intnet.bj>

# African Network Information Center - AfrINIC

- Description: Regional Address Registry
- Membership: Companies and ISPs
- Funding: Registry Services
- Coordinator:

Alan Barrett <apb@iafrica.com>



# African TLD Administrators -AFTLD

- Description: Regional member of wwTLD
- Membership: African ccTLD Administrators
- Funding: Domain Registrations
- Coordinator:

Nii Quaynor <quaynor@ghana.com>

# African ISOC Chapters - AC

- Description: Representatives of African ISOC Chapters
- Membership: Chapters
- Funding: membership dues
- Coordinator:

Tarek Kamel <[tkamel@idsc.gov.eg](mailto:tkamel@idsc.gov.eg)>

# African ISPs - AFISP

- Description: Internet Service Providers
- Membership: ISPs
- Funding: Membership Fees
- Coordinator:

Bessie Saidi <bessie@malawi.net>

# African Network Operators Group - AFNOG

- Description: Operators Groups
- Membership: ccTLDs, ISPs, CIXs, Operators, Companies
- Funding: Membership dues + fees
- Coordinator:

Charles Musisi <[cmusisi@uol.co.ug](mailto:cmusisi@uol.co.ug)>

# African Information Society Initiative

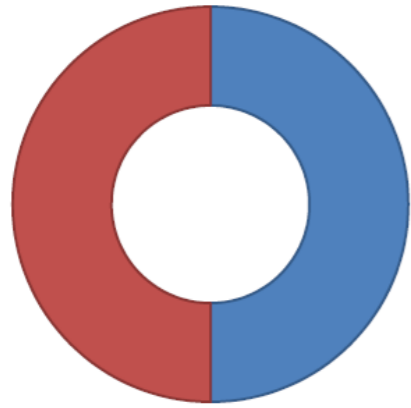
- Description: Developing Information Society
- Membership: Governments
- Funding: UN ECA
- Coordinator:

Makane Faye <[faye@un.org](mailto:faye@un.org)>

# Others

- Academic & Research
- Internet Exchange
- Commercial Groups including Content

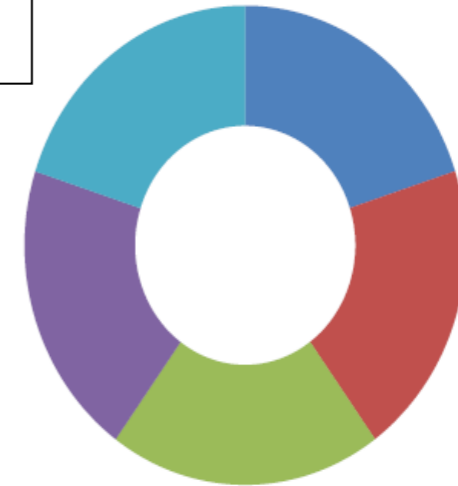
**ECO SYSTEM - 2000**



■ AC ■ AfNOG ■

**Evolution of African Internet Institution**

**ECOSYSTEM - 2003**



■ AC  
 ■ AfNOG  
 ■ AFTLD  
 ■ AFREN  
 ■ AFRISPA

**ECOSYSTEM 2012**



■ AC  
 ■ AfNOG  
 ■ AFTLD  
 ■ AFREN  
 ■ AfrISPA  
 ■ AFRINIC  
 ■ AFGWG  
 ■ AfPIF

**ECOSYSTEM 2006**



■ AC  
 ■ AfNOG  
 ■ AFTLD  
 ■ AFREN  
 ■ AFRISPA  
 ■ AFRINIC  
 ■

**ECOSYSTEM 2009**



■ AC  
 ■ AfNOG  
 ■ AFTLD  
 ■ AFREN  
 ■ AFRISPA  
 ■ AFRINIC  
 ■ AFGWG

# Comments

- \*, borrowed from Kleene \* in computer science meaning "zero or more"
- Af stands for African technical institution
- ANS --> Af\*
- AIG --> AfrICANN
- AfISP ~ = AfrISPA --> Telco, Registrars, AfricaWeb, Business



# Organization of Af\*

- Types of institution: legal entities, under umbrella, mailing lists
- Structure: direct management, coordinate, moderated
- Actions: service, train/capacity building, community building, resource management...

Section of Ecosystem	African Internet Institutions		
	Conceived in 1998	Currently Active	Emerging
<b>Numbers</b>	AfriNIC	AfriNIC	
<b>Names &amp; Content</b>	AfTLD	AfTLD	
		AfRegistrar	
		Dot Africa	
			AfWEB
<b>Research</b>		AfREN	
<b>Community &amp; Policy</b>	AIG	Af*	
	AC	AC	
		AfrICANN, AfGWG	
			AfIGF
<b>Infrastructure</b>	AFRISP	AfrISPA	
		AfPIF	
<b>Capacity Building</b>	AfNOG	AfNOG, All Af*	
<b>Security</b>		Africa CERT	
		AfGWG	
			AfPKI

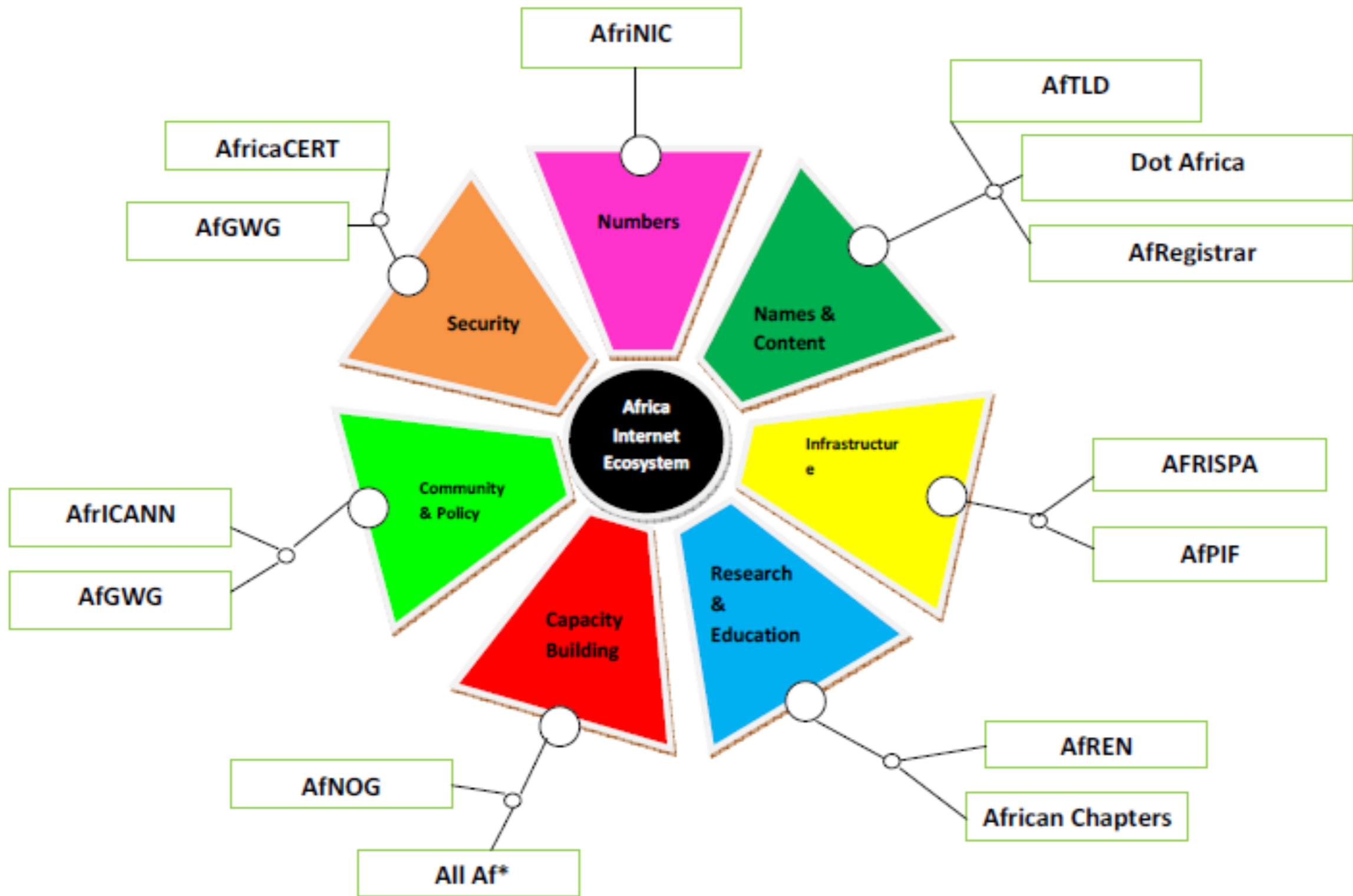
# Sample Active Af\*

AfNOG	Capacity Building, community
AfriNIC	RIR
AfTLD	Regional ccTLD organization
AfGWG	Government, cyber security
AfREN	Academic & Research network
AfPIF	IXPs, connectivity
AfricanChapters	Internet Society
AfrICANN	African ICANN
AfricaCERT	CERTs, cyber security
AfRegistrar	Regional Registrar organization

# Af\* Map

Area	Af*
Capacity	AfNOG, all Af*
IP resources	AfrinIC
Root servers	AfrinIC, AfPIF
ccTLD, .arpa	AfTLD, AfrinIC
Connectivity	AfPIF, AfrinIC
Society	African Chapters, AISI
Internet policy	AfrICANN, AfrinIC, AfGWG, AC
Security	AfricaCert, AfGWG, AfrinIC, AC
Registrar	AfRegistrar
Research	AfREN=Ubuntunet+Wacren+Asren
Content	AfricaWeb, AfRegistrar
Registry	DotAfrica Initiative

# INTERNET ECOSYSTEM & African Internet Institutions



# Final Comments

- Emerging Af\*
  - AfricaWeb, AfIGF, AfPKI,.....!
- Af\* is an African initiative; the envy of other regions; it took decades to establish; more being formed
- We have to consolidate and protect them; there may be no digital economy without these African institutions Af\*

# Thanks

