Meeting Report

Taking the African Internet to the
Next Level
Through Policy, Collaboration and Education.

HAMMAMET

AFRINIC
29

26-30 NOVEMBER
2018

ORGANISED BY

AFRINIC
The Internet Numbers Registry for Africa

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Executive Summary

AFRINIC-29 took place in Hamammet Tunisia, from 26 November to 30 November 2018. The meeting was organised by AFRINIC and generously hosted by ATI. Over 254 people from 43 countries took part in training sessions, policy development discussions, plenary sessions, and networking events. Some key highlights of the event included discussions on policies guiding Internet number resource distribution in Africa, IPv6, Internet Governance, DNS and security. We would like to extend our heartfelt thanks to the sponsors: ATI, ICANN, Internet Society, and ZACR for the most valuable support. The AFRINIC-29 agenda can be found here.

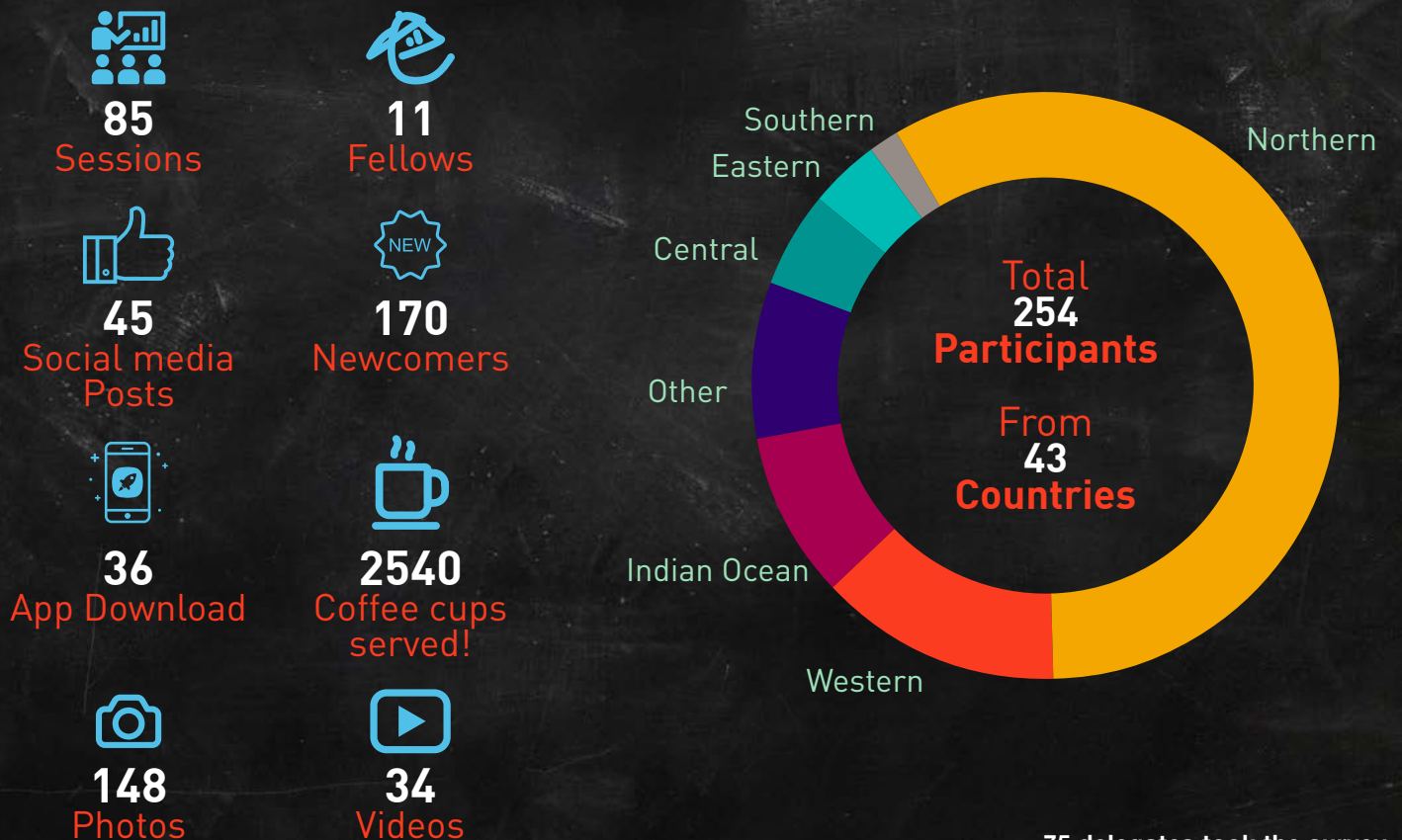Click here (https://meeting.afrinic.net/afrinic-29/agenda/programme) on the Info section to see the presentation slides.

More information about Meeting statistics can be found here. (https://meeting.afrinic.net/afrinic-29)

The session recordings are available here. (https://meeting.afrinic.net/afrinic-29/agenda/video-archive)

85 Sessions

11 Fellows

45 Social media Posts

170 Newcomers

36 App Download

2540 Coffee cups served!

148 Photos

34 Videos

Total **254** **Participants**

From **43** **Countries**

Southern
Eastern
Central
Other
Indian Ocean
Western
Northern

75 delegates took the survey

OPENING CEREMONY

Opening Ceremony

The AFRINIC-29 Meeting Opening ceremony saw AFRINIC CEO Alan Barrett giving key highlights on AFRINIC's activities. Resources allocation statistics were highlighted. Low IPv4 allocation statistics were displayed in 2018 as a result of the soft landing policy in force. Mr Barrett stated currently it is more difficult for AFRINIC members to obtain IPv4 resources from AFRINIC. Mr Barrett also shared achievements of several capacity building initiatives at AFRINIC such as the FIRE Program, IPv6 workshops and AFRINIC's fellowship program.

Alan Barrett invited delegates to participate in AFRINIC's 2018 survey open until 31 December. This survey will help AFRINIC understand the expectations and perceptions of AFRINIC's community in identifying areas of focus for future improvement at AFRINIC.

The next speaker was Mr Moez Maaref, Chief Executive Officer of the Agence Tunisienne d'Internet who hailed the message that ICTs have the potential to bring about change in Tunisian and African economies through openness and collaboration.

The Chair of the AFRINIC Board then intervened. Dr Christan Bope highlighted the favourable position of Africa's economy in terms of its anticipated growth. Mr Bope reassured the African Internet community that it is has the support of AFRINIC to help Africa reach its objectives in developing the Internet in a sustainable manner.

The final speaker and guest of honour, Mr Habib Dababi, Secretary of State for Digital Economy, Government of Tunisia, spoke on the pivotal role of AFRINIC in the global Internet ecosystem. Mr Dababi spoke on Tunisia's commitment to develop the ICT and e-commerce sectors through the promotion of start-ups.

Mr Dababi highlighted the major reforms being undertaken within the Tunisian ICT sector in infrastructure development, legal, cyber-security and digitisation of Internet services.

Presentation by Mr Yaovi Atahoun on ICANN's on-going engagement.

ICANN 5 years strategy plan

Following the Opening ceremony, ICANN presented its vision implemented through its five-year strategy plan based around five objectives that consist of ensuring the stability of the internet with the identified system, improving governance and operational excellence by improving the stakeholder model, enabling the multilingual internet and fostering innovation within the internet.

The role of ICANN in policy development through its at-large communities was highlighted in addition to domain name registration, and issues addressing fraud, and abuse. The role of the GAC and the NPOC within ICANN's constituency was also highlighted in this session.

The session was concluded by a presentation given by Mr Yaovi Atahoun from ICANN on ICANN's on-going engagement, which was launched in 2012 and revisited in 2017. The two-pronged strategy focused on awareness and capacity building initiatives through the Law Enforcement Agencies workshop series.

Various security issues associated with the use of emojis in domain names were explained during this presentation.

Ms Sofia M'rad Guerfali, Director at ANSI, addressing the delegates.

Tunisia's cybersecurity experience and framework

Ms Sofia M'rad Guerfali, Director at ANSI (Agence Nationale de la Sécurité Informatique) provided the audience with insights into Tunisia's cybersecurity framework from strategic and regulatory perspectives. The critical roles of institutions such as DASSI, ISAC, CSIRT, DEAT and tunCERT for promoting cybersecurity and online child protection related activities were heralded during this presentation.

Moez Ben Harz from La Poste Tunisienne

La Poste Tunisienne, a platform for digital transformation

Moez Ben Harz from La Poste Tunisienne in his presentation highlighted the main services on offer at La Poste Tunisienne.

Mr Ben Harz explained the strategic vision of La Poste Tunisienne through the various digital platforms bringing innovative online services such as digipost, partnerpost and m-wallet during this presentation.

Mr Oloyede from the University of Ilorin Nigeria

Connecting the Unconnected in Africa: The Only Way Forward

Mr Oloyede from the University of Ilorin Nigeria stated that development is an essential factor directly linked to connectivity and Africa needs to develop its own model to improve its level of connectivity. Mr Oloyede shared some revealing statistics highlighting that Africa is behind the rest of the world in terms of connectivity. Mr Oloyede made a call for more organisations to work to improve connectivity in Africa and stressed on the need for more collaboration and capacity building initiatives in the region. Mr Oloyede also made a call for more community network building, better access to electricity and education in the region as potent solutions for connecting the most deprived areas of Africa.

Building registry ATI experience

This presentation by Samir Moussa from ATI explained the role of the national registry in Tunisia in charge of guiding, monitoring, and supporting the choice of domain names and providing information regarding registration procedures. The framework and various functions of the registry including providing communication relating to the national domain and the strategic focus for provision of DNS were discussed.

THD Networks

Hammadi Bedoui gave a presentation on THD Networks on behalf of Centre for Research and Telecommunication Studies (CERT), a public service provider under the Aegis of the Ministry of Communication in Tunisia. The various services and competencies on offer, as well as major achievements of this organisation were highlighted during the presentation.

Mr Wajdi Garali from the Tunisian ICT Regulatory Authority highlighting the challenges and experience of the Internet in Tunisia.

IoT impact on Internet Governance Processes

This presentation was made by two speakers from the Tunisian ICT Regulatory Authority, Hend Baklouti and Wajdi Garali who spoke on the challenges and experience of the Internet in Tunisia and introduced the concept of governance, and how IoT will impact the ICT sector and the regulator's plan in terms of regulation of telecommunications. Facts and figures of IoT devices in Tunisia were also highlighted. The presenters explained IOT as a game changer in the sector with the ICT infrastructure needing to adapt as such, and IPv6 adoption becoming more prominent with IoT, as well as security aspects of IOT were discussed during the presentation.

Mr Stephen Honlue giving a presentation on the State of IPv6 in Africa.

State of IPv6 deployment in Africa

Stephen Honlue from AFRINIC highlighted the state of IPv6 deployment in Africa through IPv6 statistics. Mr Honlue stated that IPv6 deployment is still low but more than 5000 engineers have benefited from AFRINIC's IPv6 Training Program in Africa. AFRINIC is now engaging more with organisations to accompany them with their v6 deployment. New services such as the IPv6 deployment helpdesk will now assist organisations willing to deploy v6 and accordingly and Mr Honlue made a call to the Internet community to engage with AFRINIC.

Regional CDN

Mourad Mellitti from ATI presented on the benefits of having regional content delivery networks, CDNs, in the context of big data and Internet of Things. CDNs are a series of servers that have been spread around the globe and designed to serve content.

Mr Melliti explained the Tunisian experience using regional CDNs highlighting the economic benefits for the region. Mr Melliti noted that effort is needed to curb some of the problems that are related to CDN and deployment at the regional level, be it at the level of infrastructure, protocol, or other norms such as the multicast protocols.

Nitin Mutkawoa from Orange Mauritius addressed the audience on Lessons learned from the DNSSEC root trust anchor rollover and the upcoming DNS revolution

Lessons learned from the DNSSEC root trust anchor rollover and the upcoming DNS revolution

The presentation given by Nitin Mutkawoa addressed the implementation and operational issues related to KSK rollover, DNSSEC and DNS.
The presentation also revealed the issues surrounding changes to DNS and the challenges encountered following the rollover.

Raiders of the lost ark

Jordi Palet Martinez from the IPv6 Company gave the audience an insight into the long journey of IPv6 deployment over the years. The technical challenges such as dual stacking, IPv4 exhaustion, related costs to deploy IPv6 as a deterring factor for small ISPs, and challenges for them to survive in an IPv6-only world were highlighted.

Cedrick Mbeyet presenting AFRINIC's technical initiatives.

AFRINIC Updates

The presentations in this session provided updates on AFRINIC's key activities on member services, capacity building initiatives, and AFRINIC's technical initiatives that help support internet development in the region, IPv6 certification program, registration services updates as well as updates on AFRINIC's research activities from the research and innovation department.

Registration Services Manager Ms Madhvi Gokool highlighted the policies in force for IPv4 allocation in the region. Statistics on AFRINIC Internet Routing Registry usage by members and resources transfers were also highlighted. Members were encouraged to take part in the AFRINIC Stakeholders Survey.

Mr Stephen Honlue from the Capacity Building Team highlighted that AFRINIC has trained over 5000 engineers and provided an insight into AFRINIC's IPv6 certification program.

Mr Amreesh Phokeer from Research and Innovation spoke on the collaboration of his team with ISOC Africa on the WIDER project, a platform for users to have access to Internet-related data, starting from Internet penetration, IPv6 penetration or market share. Mr Phokeer also shared details on other research projects, tutirals and workshops his team was involved druing the year and highlighted some of the upcoming project for 2019 such as the Internet Measurement awareness survey for assessing the current status of Internet measurement in Africa.

Public Policy Meeting

The Policy Development Working Group face-to-face meeting was held on 30th November 2018. Session co-chairs were Sami Salih and Dewole Ajao. Key highlights:

- Code of Conduct: It was noted that all discussions and engagement should adhere to the AFRINIC code of conduct, which emphasizes respect and politeness, and discourages personal attacks and other aspects in line with recognizing the differences between participants.

- Policy Development Update from other RIRs: Different policy proposals under discussion in the other regions were shared by the different RIR representatives. It was observed that several proposals on the agenda had been also presented in the other regions, especially APNIC, RIPE and LACNIC.

Policy Proposals

The following proposals were discussed, along with the respective decision on each proposal by the session co-chairs:

Proposal	Co-Chair Decision	Comments
AFRINIC Policy Development Process Bis	Needs more discussion. Back to the rpd list	
Simple Update of the PDP		Withdrawn by author
Clarification on IPv6 Sub-Assignments	Concensus; Moves to last Call	
Internet Number Resources review by AFRINIC	Needs more discussion. Back to the rpd list	
Abuse Contact Policy Update	Needs more discussion. Back to the rpd list	
Inter-RIR Resources Transfer	Needs more discussion. Back to the rpd list	
IPv4 Soft Landing BIS		Withdrawn by author
SL-Update	Needs more discussion. Back to the rpd list	

The minutes of the policy discussions are published at: https://afrinic.net/policy/development-working-group/ppm-afrinic-29

Global RIR Updates

Presentations on key achievements of the NRO, APNIC, ARIN and the ASO were discussed. Alan Barrett spoke on behalf of the NRO Chair. Pablo Hinojosa from APNIC, Sean Hopkins from ARIN and Fiona Asonga for the ASO AC also intervened during the session.

Future Relation between ICANN and the RIRs (ASO Review)

The presentation by AFRINIC staff Ernest Byaruhanga focused on the 18th recommendation of ITEMS on determining the future structure of the ASO. The various elements that require community feedback following the ASO Review were presented to the audience. Mr Byaruhanga invited the community to provide their feedback on these in the survey.

Fees Review Session

Mr Monesammy, AFRINIC Board member, presented on the new fees structure stating that the new fee structure would provide AFRINIC with an annual revenue increase of 3 – 5 %.

Open Mic session

This session allowed for delegates both onsite and remote to interact with the AFRINIC Board. Queries on gender equality within the AFRINIC community, lack of presence from the academic sector during this meeting, the new AFRINIC website, sponsorship and more were raised.

The meeting was closed with a draw for an iPad made for those delegates who filled the AFRINIC-29 Survey.

NEXT AIS'19 IN UGANDA

The next AIS will take place in Uganda in June 2019. During the closing ceremony the local host NFT Consult made a presentation on Uganda.

AFRICA INTERNET SUMMIT'19

KAMPALA - UGANDA
9 - 21 JUNE 2019

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