A brief update on our Internet Measurements in Africa...

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Premise behind our work

• The Internet in Africa is evolving fast!
• Makes understanding the status quo difficult
• Makes decision making difficult
  • Formulating regulation
  • Shaping standards
  • Optimising deployment of new technologies

• We’ve been trying to build an integrated measurement platform in Africa (AIMO)
Not trivial I’m afraid...

So, let’s talk about what we’ve been doing
Understanding **content delivery** in Africa...

- What CDNs operate in Africa?
- What are their bottlenecks?

Understanding **network delay** in Africa...

- What is the intra-African connectivity like?
- What “communities” of well-meshed countries exist?

Understanding **net operations** in Africa...

- How do operators react to these bottlenecks
- Do operators deploy more caches in Africa?

A few final thoughts

• We did a lot of hacking to get these things to work
  • We need measurement infrastructure in Africa
  • We need data from Africa
• We need methodologies that work in Africa
• Data analysis is only one piece of the puzzle
  • We need recommendations
• This should be a community effort
International Workshop on Internet Measurements Research in Africa

- End-to-end Internet performance metrics
- Internet topology characteristics, including peering and routing
- Application-level performance, including DNS, Web, CDNs, Cloud Computing
- Physical layer performance measurements, including for TVWS, WiFi, and 3G/4G
- Detection of middleboxes, censorship, and content filtering
- Data analytics for network monitoring, traffic analysis and network
- Network topology and performance visualization
- Internet access, use, and Quality of Experience (QoE)

http://africommconference.org/2017/show/IMRA
Any Questions?