

Tackling Sustainable Development Goal 9: Examining efforts by RENU to build critical national infrastructure

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By

Nebert Ashaba nashaba@renu.ac.ug Brian Masiga bmasiga@renu.ac.ug







From Brazil to Uganda: seven new projects connecting and supporting communities around the world

Outline

- A focus on SDGs.
- Kalangala Connect Project.
- The Problem At Hand.
- Internet Service Connectivity Landscape in Uganda.
- Findings, Projected Benefits and Recommendations.
- Future Work and Conclusion.

A focus on SDGs



- Focus: United Nations (UN) SDGs.
- Africa: The AfricaConnect3 team.
- SDG 9: Resilient infrastructure, inclusive and sustainable industrialization, and innovation.
- Uganda: RENU's Kalangala Connect Project connecting Kalangala islands.



Kalangala Connect Project



Project – Kalangala Connect is examined & this presentation presents findings and recommendations including;

✓ Promoting infrastructure sharing between NRENs and commercial ISPs.
✓ Adoption of technically and financially sustainable connectivity technologies.
✓ Implementation of complementary access solutions.

End Goal of this investigation: Provide valuable insights for leveraging NRENs to support global development initiatives through different projects.



Grant Funding





- Aim: Increase network resiliency in communities prone to natural disasters so that these communities are better prepared for and can withstand the effects of natural disasters on Internet connectivity.
- The Resiliency Program: A component of the Foundation's RARE (Resiliency & Responding to Emergencies) Program, which seeks to help communities enhance preparedness and build Internet resiliency when faced with adverse events such as national disasters.









RENU









Kalangala Islands



- District: Kalangala.
- Total Area: 3,514.7 sq mi.
- Islands: 84.
- Population: > 67,200 People.
- Education: 56 institutions.
- Hospitals: 20 health facilities (14 connected by RENU).
- GDP per capita: ~ \$67



Internet Service Connectivity Landscape in Uganda



• Additional 1.2 million new Internet subscriptions.

Challenges Hindering Internet Connectivity in Uganda.



- Affordability.
- Geographical Challenges.
- Quality of Service.
- Limited Digital Literacy.



Current Initiatives to Expand Connectivity

- National Information Infrastructure (NII) Project.
- Uganda Communications Universal Services Access Fund (UCUSAF).
- Kalangala Connect Project.





Projected Benefits



- Easier access to Information and Education materials.
- Enhanced Healthcare Services.
- Economic Opportunities.
- Disaster Preparedness and Response.





Recommendations





- Infrastructure Sharing.
- Adoption of technically and financially sustainable connectivity technologies.
- Use of complementary access solutions.

Future Work and Conclusion

Kalangala Connect Project; Currently at inception stage - in a phased manner.

Anticipation;

✓ Increase in FTTx deployment- but Involve users!

In a nutshell...

 Our institutions' collective digital future hinges on how well and how quickly we deliver affordable, accessible, resilient, and reliant digital connectivity.





-End-