

Africa



**Telecom4Good**

**Bandwidth Aggregation Program**

Join Together, Save Together

## Bandwidth Aggregation Program

Save up to

55%

### There is strength in collaboration.

Telecom4Good's Bandwidth Aggregation Program (BAP) allows NGOs around the world to receive quality internet service at exceptional prices by leveraging the power of collaboration. The program connects NGOs working within the same area to **reduce the cost of internet services by 30-55%** for each organization. Joining the BAP is completely cost-free, exclusively for nonprofit organizations doing good.

Every aggregated megabyte of bandwidth makes a difference. In some cases, adding one additional NGO's bandwidth added to the BAP lowers the cost by an additional 15% for all participants.

Through the BAP, we negotiate with local internet service providers to ensure better quality of service and greater savings.

BAP participants also **save 75% off Cisco Meraki equipment and licenses**, exclusively through Telecom4Good. See page 17 for more information.

In the following pages, you will find a breakdown of the **East and West African countries in which the BAP has been most successful.**

*If you do not see your country listed, let us know! We are continually adding new areas of service and internet service providers to our program.*

## Table of Contents

### East Africa

Democratic Republic of Congo	4
Malawi	5
Rwanda	6
South Sudan	7
Uganda	8
Zambia	9

### West Africa

Benin	10
Burkina Faso	11
Cote d'Ivoire	12
Mali	13
Niger	14
Togo	15

<b>Price Matrix by Country</b>	16
--------------------------------	----

<b>Cisco Meraki Nonprofit Program</b>	17
---------------------------------------	----

<b>How To Start Collaborating</b>	18
-----------------------------------	----

## Democratic Republic of Congo



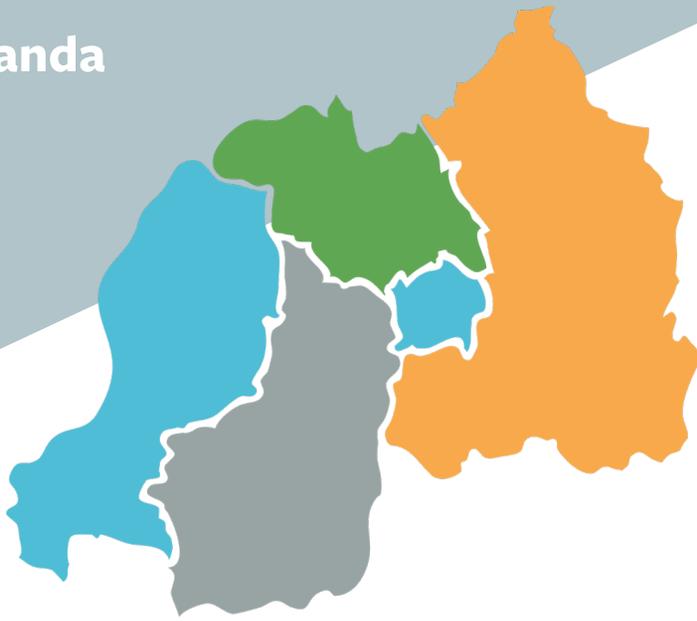
- The Democratic Republic of Congo (DRC) has a new fibre line that crosses the country to provide internet connectivity to **Lubumbashi** and **Kinshasa**.
- The infrastructure in each city has gotten significantly better with time.
- While the fibre connection is available in both cities, the higher quality solution is private wireless, which allows for greater uptime as fibre lines have network outages due to cuts.
- Microwave and VSAT are also available in the DRC.

## Malawi

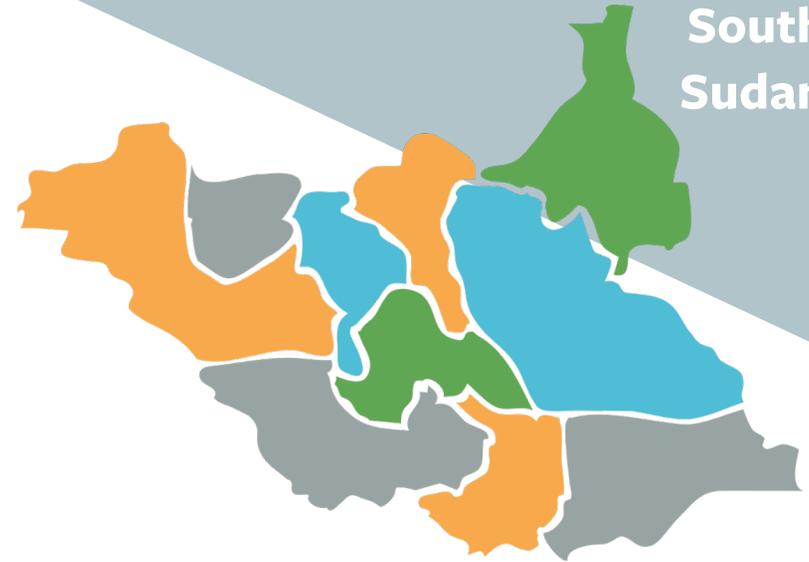


- Malawi's major cities of **Lilongwe**, **Blantyre**, and **Mzuzu** have significantly improved network quality in the past 12 months.
- **Zomba** and **Kasungu** will also be connected with Lilongwe, Blantyre, and Mzuzu over the course of this year.
- There are many network builds underway to increase the network infrastructure, which will help drive costs down in 12-24 months.
- This price reduction will be amplified through our Bandwidth Aggregation Program, which unifies multiple neighboring organizations for a stronger negotiation.
- Malawi has fibre, wireless, microwave, and VSAT connections available.

## Rwanda



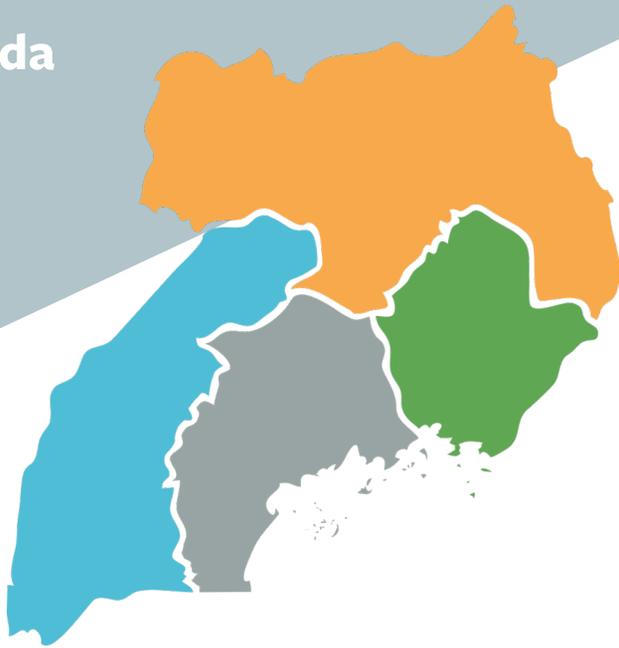
## South Sudan



- As the capital city, **Kigali** has built a sizable fibre network.
- The preferred infrastructure is still private wireless as the uptime is better than the current fibre network.
- There are areas within Kigali where fibre is too costly to install and leaves wireless or 4G the only stable solutions.
- Microwave and VSAT are also available in-country.
- Other areas in Rwanda that are building higher quality networks include **Butare, Gitarama, Ruhengeri, Gisenyi, and Byumba**.
- Many NGOs operate across the country, making Rwanda a prime location to capitalize on the Bandwidth Aggregation Program.

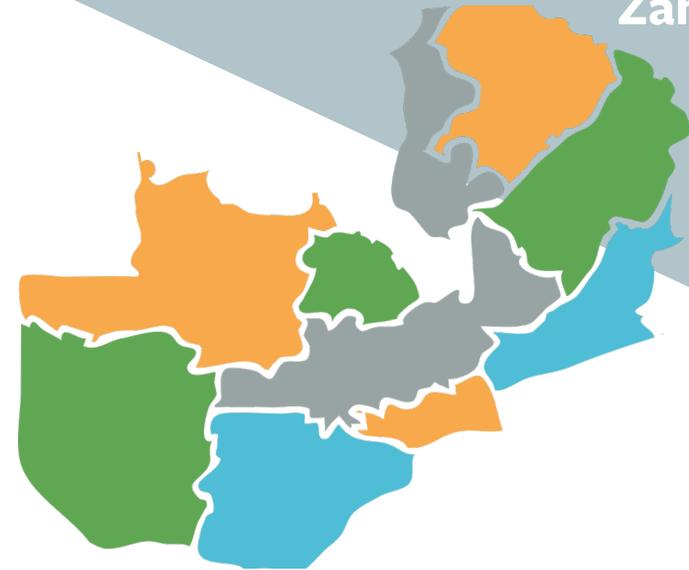
- As the largest city, **Juba** has the highest quality internet infrastructure in South Sudan.
- Fibre is now in Juba, but the quality is not as dependable as private wireless.
- Microwave and VSAT are available, but with less reliable connectivity than fibre and wireless.
- Outside of Juba to the north, **Malakal** and **Wau** have stable internet on private wireless and microwave.

## Uganda



- Uganda's very stable fibre network was built by Google, focused especially in **Kampala**.
- The strong fibre connection is available at affordable prices due to a partnership between Roke Telkom and Telecom4Good, which provides the first exclusive NGO-only pricing structure to reduce the cost as more organizations participate.
- **Gula, Lira, Mbarara, Jinja, Bwizibwera, Mbale, and Mukono** are cities that have stable and quality internet services on private wireless.
- Microwave and VSAT are also available in some parts of the country.

## Zambia



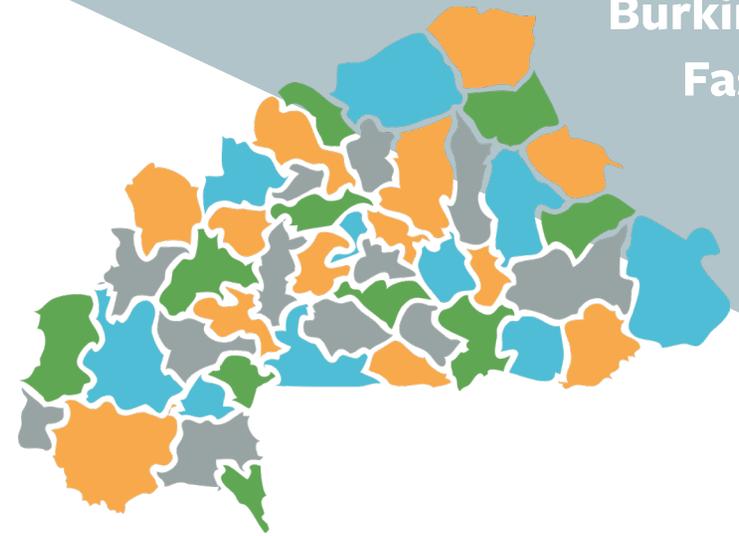
- **Lusaka's** large population is supported by a very stable fibre network city-wide.
- There has been a huge investment in fibre connections by many carriers, which has brought the cost of internet service down by 50% or more over the past three years.
- Other cities in Zambia, such as **Kitwe, Ndola, Kabwe, Chingola, Mufulira, and Luanshya**, are improving internet connectivity for fibre, wireless, microwave, and VSAT.

## Benin



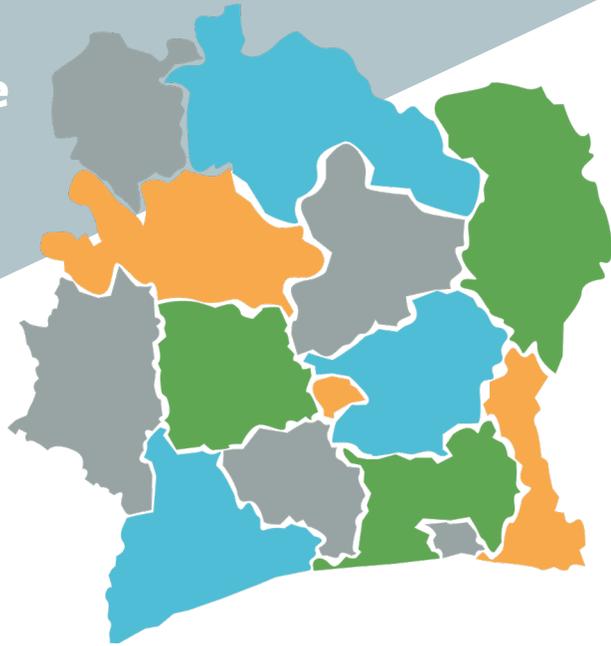
- A stable mix of fibre and private wireless service supports **Cotonou** as the largest city.
- The price of internet connectivity has come down more than 40% over the last few years.
- Other cities that have built higher quality networks through private wireless and satellite service include **Abomey-Calavi, Djougou, Porto-Novo, and Parkou.**
- Microwave and VSAT are also available in parts of Benin.

## Burkina Faso



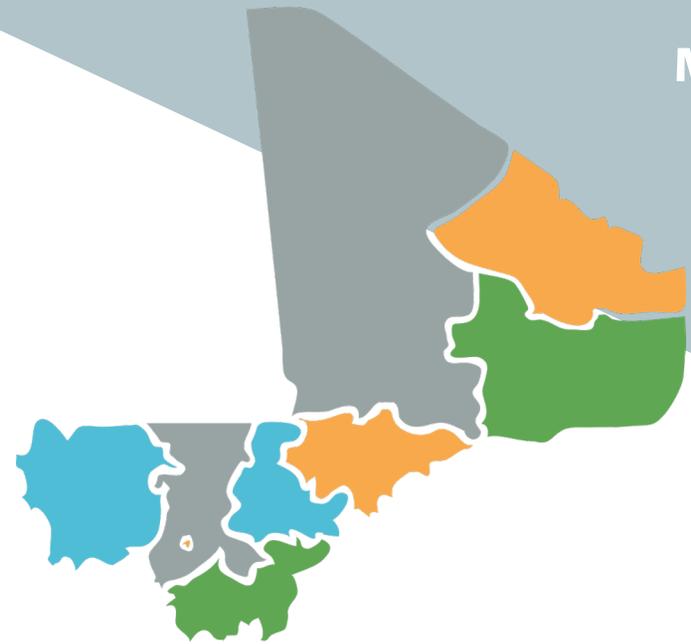
- The quality of Internet has improved greatly in **Ouagadougou**. Fibre is available, although in a limited capacity.
- Private wireless is the most stable option in the capital city.
- There are many carriers that are investing in infrastructure, and the cost of the internet continues to decrease.
- Other cities that have built higher quality networks include **Bobo-Dioulasso, Koudougou, Ouahigouya, Banfora, and Dedougou.**
- Microwave and VSAT are available in certain parts of the country.

## Cote d'Ivoire



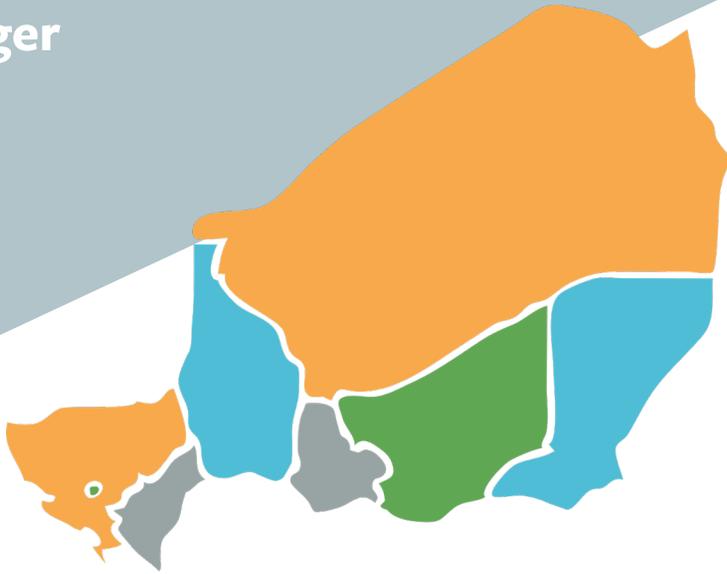
- **Abidjan** is not only the largest city, but it also has the most stable fibre and private wireless infrastructure in Cote d'Ivoire.
- Fibre networks are on the rise, and while the cost is still high at the moment, prices are declining.
- Other cities that have built higher quality networks include **Abobo, Bouake, Daloa, San-Pedro,** and **Yamoussoukro.**
- Microwave and VSAT are available in certain parts of the country.

## Mali



- Fibre infrastructure has become very stable in **Bamako.**
- The capital city also offers a mix of high-quality private wireless service providers.
- Other cities that have built higher quality networks include **Sikasso, Mopti, Koutiala,** and **Segou,** where satellite service provides the highest quality internet connection.

## Niger



- **Niamey's** most stable connectivity solution is private wireless.
- Fibre networks are being built, but the quality is not yet as reliable as NGOs need to function properly.
- Other cities that have built higher quality networks using microwave and private wireless internet solutions include **Zinder, Maradi, Agadez, Tahoua, and Dosso.**

## Togo



- **Lome** primarily uses private wireless networks as the most stable internet solution.
- Togo is planning to build fibre networks, but providers have not yet established a stable and reliable option.
- Other cities that have built higher quality networks include **Sokode, Kara, Atakpame, and Palime.**
- Wireless and satellite are the most stable internet types throughout the country.

## Price Matrix by Country

	Dedicated Internet Price Per Megabyte
<b>East Africa</b>	
Democratic Republic of Congo	\$775
Malawi	\$300
Rwanda	\$225
South Sudan	\$775
Uganda	\$120
Zambia	\$410
<b>West Africa</b>	
Benin	\$750
Burkina Faso	\$750
Cote d'Ivoire	\$625
Mali	\$1,200
Niger	\$945
Togo	\$775

## Cisco Meraki Nonprofit Program



### Offering Discounts to Maximize Impact and Minimize Spending

While any nonprofit organization that partners with Telecom4Good receives a 50% discount on Cisco Meraki equipment and licensing, Bandwidth Aggregation Program participants receive a *75% discount on Meraki technology*.

#### What is Meraki technology?

The Cisco Meraki cloud solution is used by thousands of companies to manage a large volume of devices without having to deploy additional IT staff. Our Cisco Meraki Nonprofit Program covers equipment such as access points, security appliances, switches, security cameras, and mobile device management to boost efficiency.

**-50%**

All nonprofit organizations receive a **50% discount** through Telecom4Good.

**-75%**

Nonprofit organizations participating in our BAP receive a **75% discount**.



Lower your costs, improve your efficiency, and increase your impact through the BAP. Contact us today to start collaborating!

**Is the BAP not currently available in your country or city?**  
**Let us know!**

## **We are here to help!**

### **Robert Anderson, CEO**

[Robert.Anderson@telecom4good.org](mailto:Robert.Anderson@telecom4good.org)

### **Bandwidth Aggregation Program**

[bap@telecom4good.org](mailto:bap@telecom4good.org)

### **Cisco Meraki Nonprofit Program**

[discount@telecom4good.org](mailto:discount@telecom4good.org)

---

**Telecom4Good.org**

**+1 949 274 3877**



CREATING  
NETWORKS

CREATING  
COMMUNITY

CREATING  
CHANGE

**Telecom4Good.org**