• 3.9B people do not currently participate in the digital world

• However, it is estimated that >90% can connect, but do not do so.

• Top reasons are:
  – Digital Literacy (How do I use it?)
  – Content/Applications (What do we do?)
  – Language (Can I understand it?)
  – Cost (Can I afford it?)

GSMA, Oct 2020
N50 CORE HYPOTHESIS

If we can provide human-enriching applications* with a good experience, at an affordable cost, people will become digitally literate, and overall participation will increase.

Sustainable adoption requires a combination of tech and non-tech approaches.

* Education | Healthcare | Agriculture | Entrepreneurship | Others as defined by local communities.
WHAT WE'RE DOING

With our ecosystem of partners, we are working on live projects and the curation of new projects to address global Digital Inclusion and community enrichment.

We are developing implementable blueprints that focus on connectivity options, applications, & sustainability. All projects will measure impact.

We are inviting partners from public, private, non-profit, and academia to join the N50 project.
Luumbo is a village located approximately two hours south of Lusaka in the Southern Province of Zambia.

Luumbo has approximately ~4,000 residents mostly Batonga decent. Most are subsistence farmers with avg annual income of ~$2K.

AMN has a tower in Luumbo (AMN). All usage is via top-up prepaid charges through MTN, and it is estimated data charges are 7-10x due to rural location and satellite backhaul.

Luumbo has a basic school with ~350 students. There is also a rural health clinic in Luumbo.

This installation will give the local school 5,000 lesson plans, 2,500 teaching videos, access to news, healthcare, agricultural information, etc.
Cloud Content is cached either at the Cell Tower or at the school microserver – multitenancy possibility.
Luumbo Primary School has 320 pupils in 5 classrooms, Spoken English in Grade 6 pupils (pre-secondary school) is equivalent to Grade 1.

Very few have access to the Internet, limiting opportunities to benefit from online educational materials.
Few students go on to the nearby secondary school.

The Opportunity:
• Provide the school with a cache of lesson plans and teaching videos
• Access to the internet for other educational materials, including news, cultural and societal information.
The local health clinic is operated by the government, administered by a District Health Officer and run by a clinical officer – a sister in-charge and nurses. They are responsible for smaller health posts in the area, run by Community Health Workers.

Munyumbwe District Hospital is 30km away – approx 1 hr by car

**The Opportunity:**
To provide health solutions to allow nurses to perform at the top of their license and reduce having to send patients to the district hospital:
- Clinical education materials
- Symptom checking and recommendations
- Remote consultation
- Clinical health forums to connect with other clinical staff
- Remote health services – e.g. mental health, peri-natal health, family care, etc.
ENGAGEMENT & SUSTAINABILITY

Engagement through Community Liaison Officer & Project Manager

• Work with community leaders and N50 partners to plan and execute the roll-out of project
• Ensure that the content delivered serves the needs of community
• Monitor Key Performance Indicators (KPIs) and Regular surveys to measure impact and success of the pilot

Sustainability through the Community

• Empower individuals to participate and contribute towards achieving the desired outcomes
• Transfer skills to the community through the training and support of community leaders and the delivery of educational content to families and businesses
• Participants will have the opportunity to earn ownership of the hardware over the lifetime of the project
N50 White Paper

Released in July 2022

http://www.n50project.org/luumbo

See insights into solutions that have enduring value for rural communities by empowering them to participate in the digital world.
N50 ROADMAP – FUTURE PROJECTS

EXPLORING NEW PROJECTS FOR DIGITAL INCLUSION

N50 and its ecosystem of partners are working to curate new projects to address global Digital Inclusion through the contribution to community enrichment project of skills, software and hard solutions, funding and local language community engagement.

We are currently working with partners to explore new projects and frameworks in North America (Indigenous People and Mexico), South America (the Amazon, Brazil and Panama), Southeast Asia (India) and much more.
LEARN MORE ABOUT THE N50 PROJECT
www.n50project.org

JOIN THE N50 TODAY!
www.n50project.org/join
THE N50 PROJECT
Digital Inclusion for the Next 50%