



Visjon2030 meeting, 2-5Nov 2019, Dodoma

Free Access to Digital Public Goods

-

the Basis for Sustainable Development and Innovation

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Our vision is

to improve **the life of **every** human
through free **access to information**
on the **Internet****

THE PRICE OF ~~ON~~ INEQUALITY

HOW TODAY'S DIVIDED SOCIETY
ENDANGERS OUR FUTURE

Empowering people for the **Innovative** Society

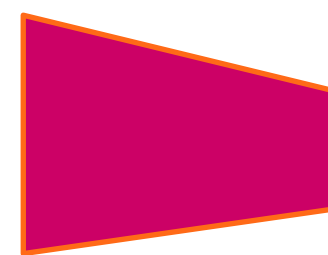
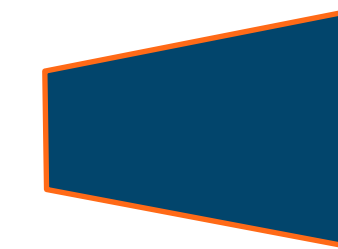
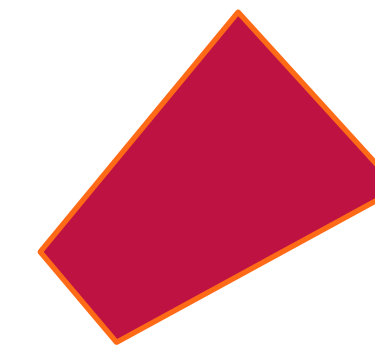
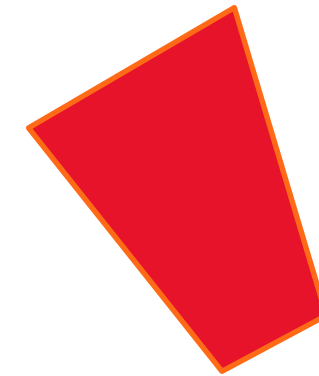
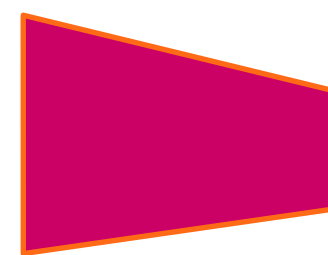
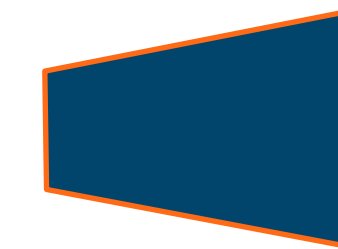
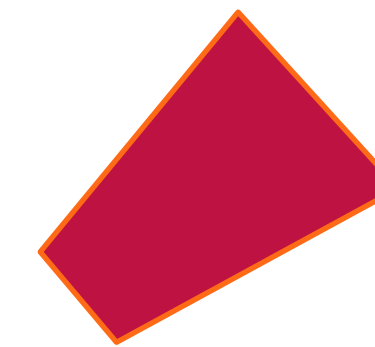
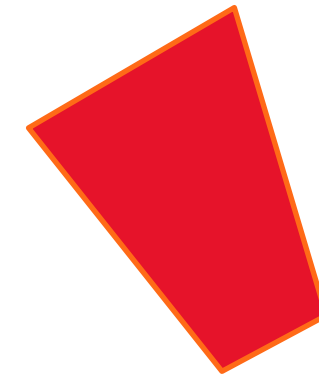
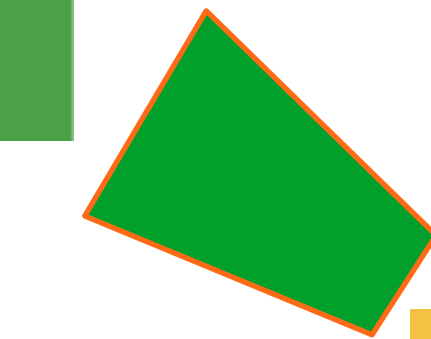
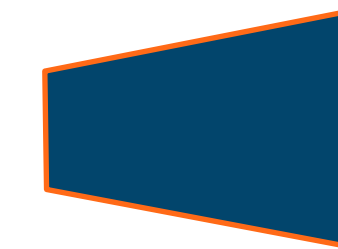
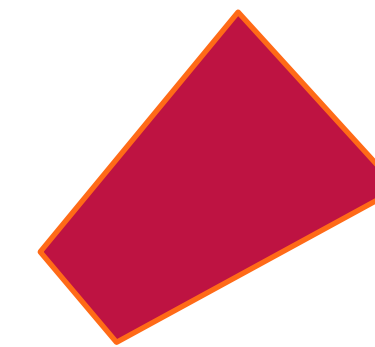
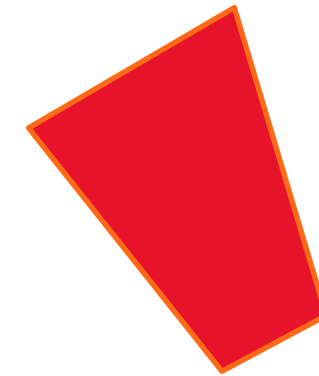
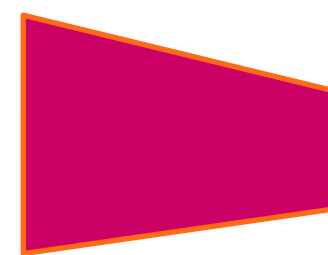


Affordable Energy & Internet Lite for All

the catalysts for the goals

Showcase
“*Non discriminating access*”
project

- funded by RCN and Mfa/Norad (14.9 MNOK for 2017-2020)
- Tanzania: digital health
- Mali: energy



Energy & Internet Lite for All
Target 7.1&7.2 Target 9.C Target 16.10

United Nations: High-Level Panel on Digital Cooperation

Secretary-General's High-level Panel on Digital Cooperation



PANEL DOCUMENTS



United Nations High Level Panel on Digital Cooperation

- Melinda Gates, Jack Ma, ... Vinton Cerf, Nikolai Astrup, ...
- Jun2019 report
- Recommendations
 - ➔ Inclusiveness
 - ➔ Digital Public Goods



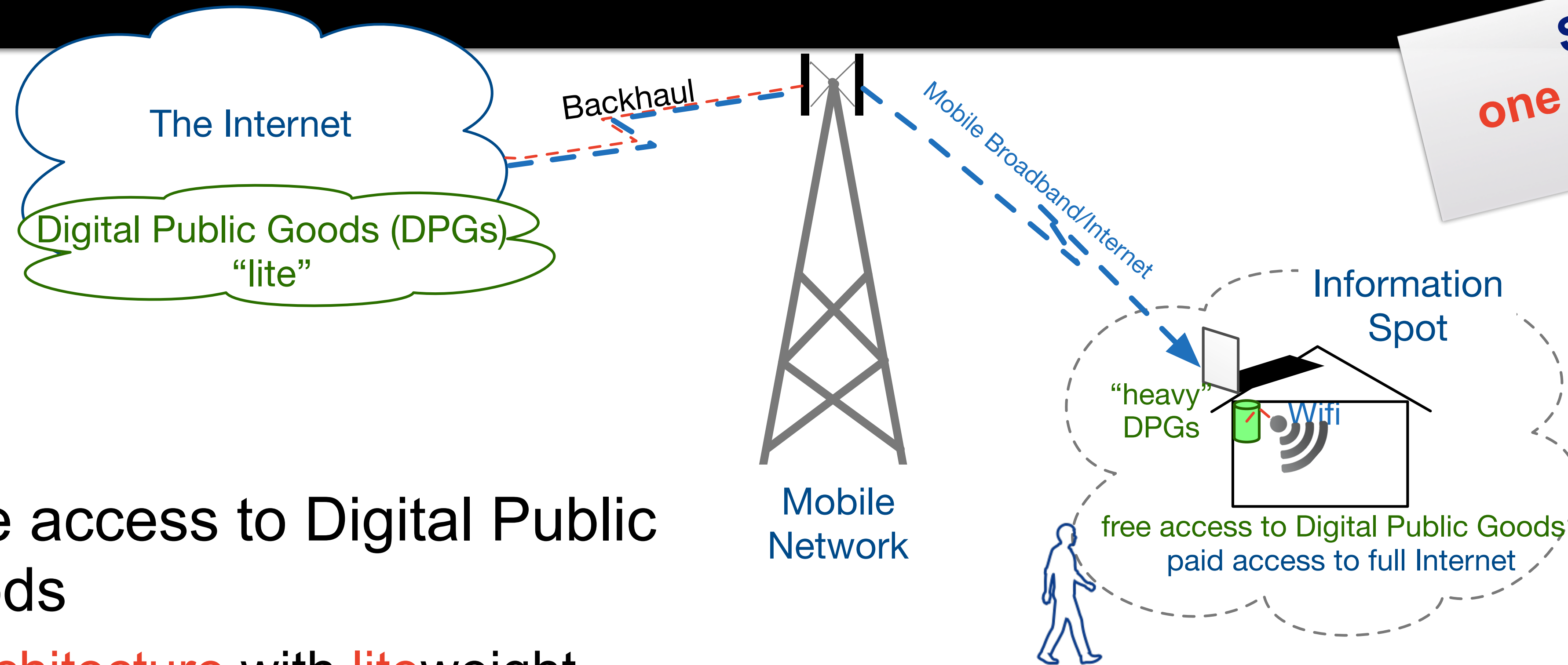
1A: We recommend that by 2030, **every adult** should have **affordable access** to digital networks, as well as **digitally-enabled** financial and **health services**, as a means to make a substantial contribution to achieving the **SDGs**...

1B: We recommend that a broad, multi-stakeholder alliance, involving the UN, create a **platform** for **sharing digital public goods**,

1C, 1D, 2....

Free access to Digital Public Goods

Starting with
one Information Spot
per village



- Free access to Digital Public Goods

- ➔ Architecture with **lite**weight and **heavy** DPGs
- ➔ Combining affordable access (1A) and
- ➔ Digital Public Goods (1B)

- Ensure: digital inclusion
- Ensure **Network Neutrality**
 - ➔ Content type filtering

Target Group

- We bring Internet access to rural villages in African countries with **high rates of illiteracy**.
- People of all ages and genders should be able to use our solution, with a primary focus on the **young generation, especially girls and women**.
- Further stakeholders are **governmental institutions** (e.g. ministries of education, health, agriculture, rural development), **village chiefs** and other **local authorities** like



Village Platform

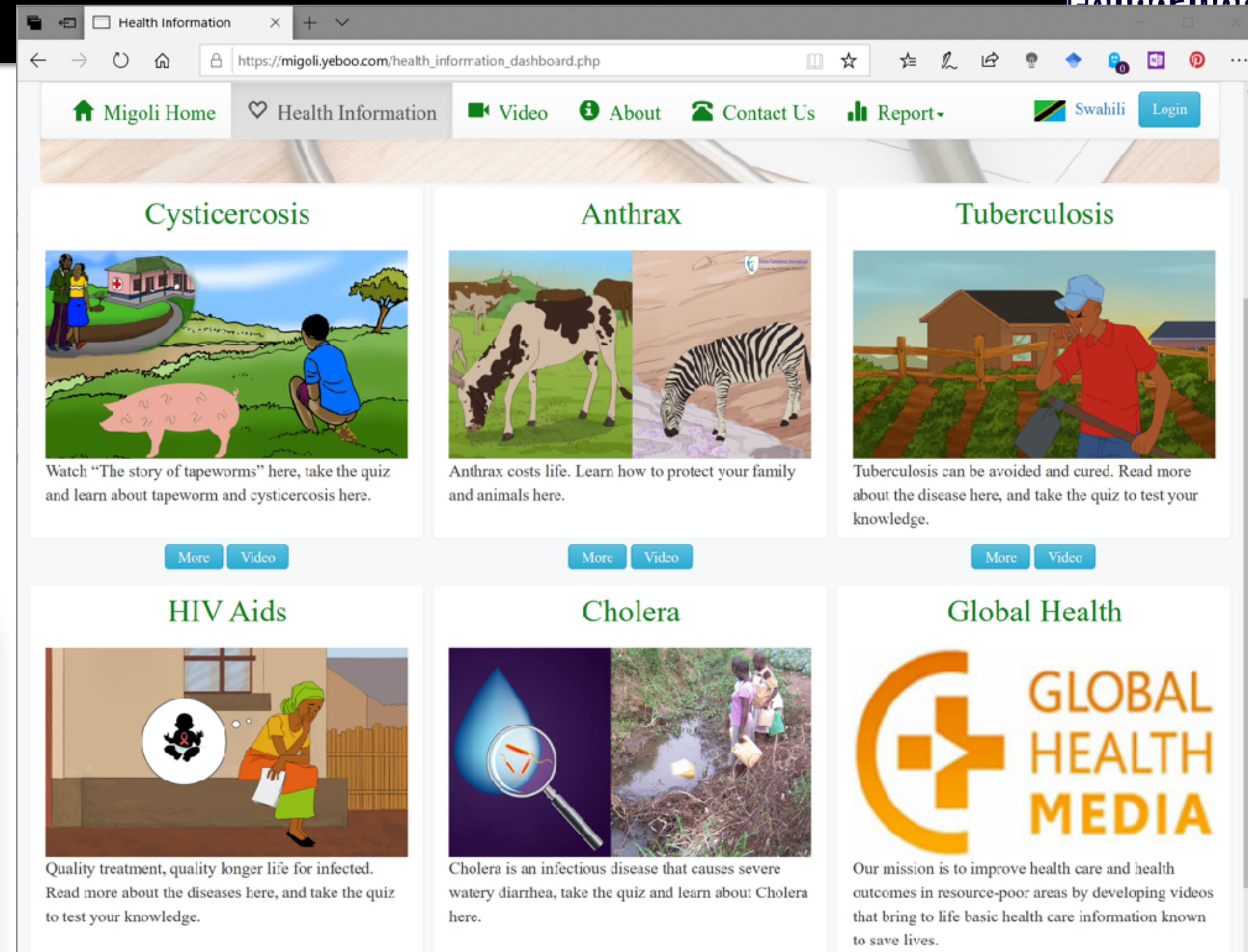
<https://Yeboo.com>



Village server
with locally stored
information on
health care etc.

The website will
contain locally stored
information on

- Health
- Entrepreneurship
- Education
- Agriculture
- Financial inclusion
(e.g. via Women
Community Centers)



Exemplary: Digital Health Information

Snapshots from website, HIV and TSCT animations developed by the DigI-team



Epuka Tegu

Kisababishi ya Tegu

Dodoso ya Tegu

Tafadhali jaza utafiti kuhusu Tegu

Jinsia yako ni ipi?

☐ A) Me

☐ B) Ke

Je, umewahi kusikia kuhusu minyoo aina ya tegu?

☐ A) Ndio

☐ B) Hapana

Je! Umewahi kusikia kuhusu minyoo ya tegu kwenye wanyama aina ya nguruwe?

☐ A) Ndiyo

☐ B) Hapana



Preliminary findings from intervention villages: Number of participants with correct answers, before and after exposure

	Before exposure	After exposure	Increase
HIV / AIDS	234 (78.5%)	274 (91.9%)	40 (13.4%)
Tuberculosis	192 (64.4%)	280 (94.1%)	88 (30.0%)
<i>Taenia solium</i> cysticercosis/taeniosis	49 (16.3%)	225 (75.3%)	176 (60.0%)

Calculated only on questions with one correct option, not multiple choice questions.
Preliminary results have not yet been adjusted for confounders (age, gender, education etc.)

Preliminary findings from intervention villages

- Increase of health knowledge after exposure in all areas
(HIV / AIDS, Tuberculosis, Taenia solium cysticercosis/taeniosis)
- Increase in all health knowledge domains
 - Prevalence
 - Transmission
 - Symptoms
 - Treatment
 - Prevention



Main impressions from fieldwork and analysis

- Participants in the intervention village appreciate the digital health messages
 - In the first follow-up, only 1 out of 280 reported that they did not like the digital health messages, and 270 out of 280 reported that they learned something from them
- The importance of culturally sensitive content
- Unbiased health messages of high quality
- In local language



Success story: Selela Market Place

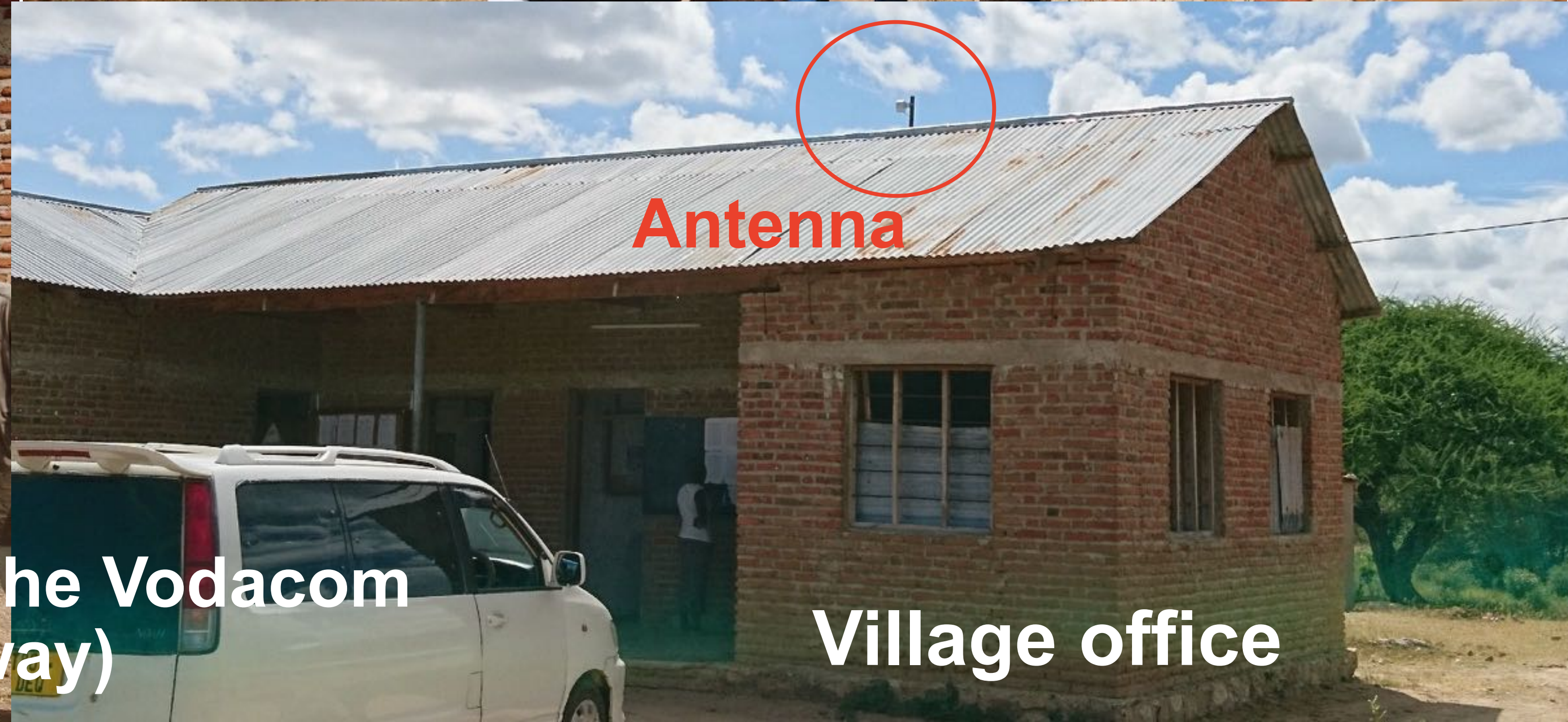


- Antenna in 6 m height
- Reaches Tigo tower > 20 km away

Izazi



Installation time: 1,5 h
catching the signal from the Vodacom
tower in Migoli (~10km away)



Antenna

Village office

Migoli (Nyerere High School)



1271 pupils, 34 full-time teachers
9 m pole (above trees) base to connect
- Migoli health station
- Migoli village office



Mbaash (Selela)



Catherine Kimambo - Connecting Kiparang'anda Village



Connecting Kiparang'anda
<https://vimeo.com/368147538>

Recommendations for EAC from East Africa Health conference (2018)



- Recommendations 1-9, digital health:
- 5. Formulation of regional and partner states policies that govern integration of the digital health initiative into health system.
- 6. Develop a platform for digital inclusion where communities have full access to information to surveillance and disease management
- 9. EA member state to promote digital health

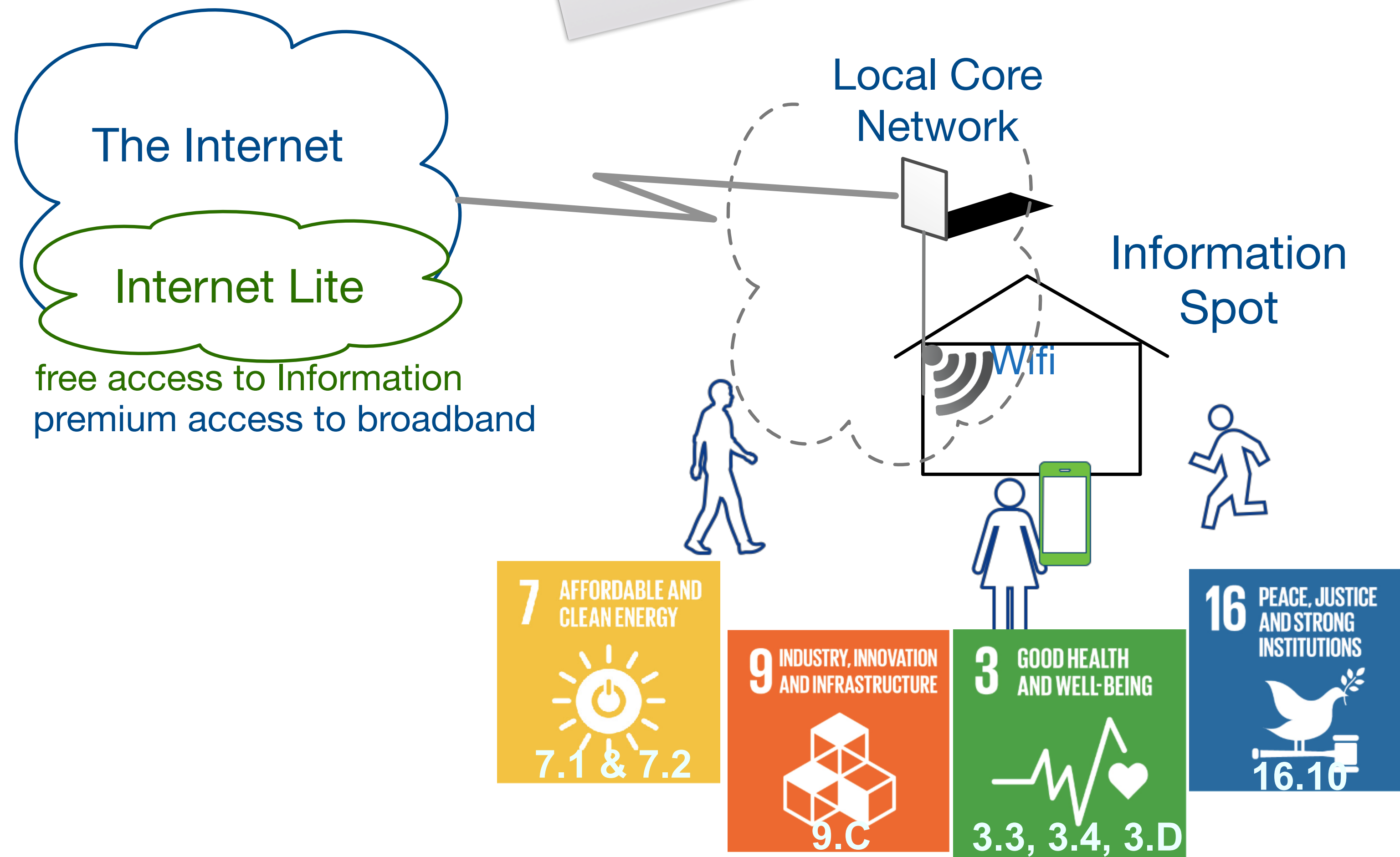


Conclusion

“Internet Lite & Affordable Energy for All”



- **Energy, Digital & Health**, the building blocks for societal empowerment
- Free Access to **Digital Public Goods**
 - ➔ Free: **text, pictures & local video**
 - ➔ Premium: **broadband** services
- Village **Information Spots**
 - ➔ Free access to Digital Public Goods
 - **Energy** usage
 - Health
 - Education
 - Entrepreneurship, e.g. Agriculture



Partners - *Hope I'll see you here ...*



FR



ES



Ministry of Health, TZ



UiO



DE



TZ



USA



UK